8th International Conference on Head and Neck Cancer

BRIDGING THE GAP:
Caring for the Head and Neck Cancer Patient

July 21 - 25, 2012
Toronto, ON, Canada

Metro Toronto Convention Centre
(South Building)

Presented by

American Head & Neck Society
1954 • 1998 • 1998

FINAL PROGRAM

Fanconi Anemia
RESEARCH FUND, INC.

This is John, a Fanconi anemia (FA) patient who died in 2011 at age 38 of complications associated with the treatment of his head and neck cancer.

Patients with FA are at a particularly high risk (hundreds- to thousands-fold) of developing specific solid tumors at unusually young ages, including head, neck, esophageal, and gynecological squamous cell carcinomas, as well as liver tumors.[1]

A strong believer in the promise of research, John's dream was to help find a cure for all patients with Fanconi anemia.

Please help us make his dream come true.

Visit www.fanconi.org to learn more about our:

- Research priorities
- Clinical guidelines for FA
- RFA for Head and Neck Carcinogenesis
- Family support services

The Fanconi Anemia Research Fund is advised by the following cancer specialists:

Joseph Califano, MD, *Johns Hopkins Medical Institutions*
Marc Coltrera, MD, *Dept. of Otolaryngology, University of Washington*
Bhuvanesh Singh, MD, *Memorial Sloan-Kettering Cancer Center*
Erich Sturgis, MD, MPH, *The University of Texas MD Anderson Cancer Center*
William N. William Jr., MD, *The University of Texas MD Anderson Cancer Center*

[1] *Fanconi Anemia: Guidelines for Diagnosis and Management, Third Edition, 2008, Fanconi Anemia Research Fund, Inc.*

8th International Conference on Head and Neck Cancer

BRIDGING THE GAP: CARING FOR THE HEAD AND NECK CANCER PATIENT

FINAL PROGRAM

July 21 - 25, 2012
Metro Toronto Convention Centre
(South Building)
Toronto, Ontario, Canada

The American Head & Neck Society (AHNS)
11300 W. Olympic Blvd., Suite 600
Los Angeles, CA 90064
Phone: (310) 437-0559
Fax: (310) 437-0585
www.ahns.info

Conference History

The 1st International Conference on Head and Neck Cancer was sponsored by the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. It was held in Baltimore, Maryland in 1984; 669 were in attendance and 310 abstracts were presented as free papers and posters.

The 2nd International Conference was held four years later in Boston, Massachusetts under the sponsorship of the American Society for Head and Neck Surgery. It grew to 414 abstracts accepted for presentation and 983 in attendance.

The 3rd International Conference on Head and Neck Cancer was held in San Francisco, California in 1992 under the sponsorship of both the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons. The conference grew to 1,501 in total attendance: the number of proffered papers and poster presentations reached 582.

The 4th International Conference was held in Toronto, Canada in 1996 where 1,664 attended from 51 countries, and 787 abstracts were accepted for presentation.

The 5th International Conference was held in San Francisco, California in 2000 where a record-breaking 2,275 attended, and 791 abstracts were accepted for presentation. This meeting was sponsored by the recently merged Head and Neck societies. The new society, the American Head and Neck Society, is the single largest society dedicated to head and neck oncology in North America.

The 6th International Conference was held in Washington, DC in 2004 with 1,720 attendees and 875 abstracts accepted for presentation.

The 7th International Conference was held once again in San Francisco, California in 2008 where 1,996 attended from 65 countries and 1,159 abstracts were accepted for presentation.

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Thank You to Our Corporate Supporters!

The American Head & Neck Society gratefully acknowledges generous unrestricted educational grants in support of the 8th International Conference on head and Neck Cancer by the following companies:

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General Information

8th International Conference on Head and Neck Cancer

Bridging the Gap: Caring for the Head and Neck Cancer Patient

July 21 - 25, 2012

Metro Toronto Convention Centre (South Building)

255 Front Street West , Toronto, ON M5V, Canada

On-site Registration Hours — 600 Level Foyer

Friday, July 20	13:00 - 18:00
Saturday, July 21	07:00 - 17:00
Sunday, July 22	06:30 - 17:30
Monday, July 23	06:30 - 17:30
Tuesday, July 24	07:00 - 17:30
Wednesday, July 25	07:00 - 12:30

Exhibit Hall Hours — Exhibit Hall F

Sunday, July 22	10:00 - 18:00
Monday, July 23	10:00 - 18:00
Tuesday, July 24	10:00 - 13:30

Speaker Ready Room Hours — 713

Friday, July 20	14:00 - 18:00
Saturday, July 21	06:00 - 17:00
Sunday, July 22	06:30 - 17:30
Monday, July 23	06:30 - 17:30
Tuesday, July 24	07:00 - 17:30
Wednesday, July 25	06:30 - 11:30

Guest Lounge Hours — 712

Sunday, July 22	09:00 - 15:00
Monday, July 23	09:00 - 15:00
Tuesday, July 24	09:00 - 15:00

AHNS acknowledges our Silver Level Donors for their support of this venue:

Medtronic Surgical Technologies
Olympus America Inc.
Synthes CMF

AHNS Foundation Lounge Hours — 710

** For current members of the Centurion Club

Saturday, July 21	07:30 - 15:30
Sunday, July 22	07:00 - 15:45
Monday, July 23	07:00 - 15:45
Tuesday, July 24	07:30 - 15:30

Official Language

The official language of the conference is English. Simultaneous translation will not be offered.

General Information

Abstracts

This program contains a complete listing of proffered papers and posters. Full abstract text can be found in a) the on-line version of the *Archives of Otolaryngology,* b) the Conference Mobile Application and c) a downloadable pdf from the AHNS website at http://www.ahns.info/meetings/index.php.

Business Center

There is a business center in the convention center outside of Exhibit Hall D on the 800 level. It will be open Monday through Friday from 08:30 to 16:30 daily. Please note, it is NOT open on either Saturday or Sunday.

Concessions

The AHNS will provide attendees with a continental breakfast each morning prior to the start of the session, excluding Saturday. A morning coffee break and an afternoon beverage break will also be provided all days of the week during the designated break times in either the 700 Foyer or the Exhibit Hall. A free attendee lunch will be available on Tuesday in Exhibit Hall F during the lunch hour. AHNS Members, please note the same lunch will be provided to you during your Business Meeting in Hall G.

There will also be a cafe open on the 700 level during the week and additional concessions in Exhibit Hall F from 11:00 to 14:00 on Sunday and Monday.

Conference Topics and Discipline Focus

The 8th International Conference on Head and Neck Cancer has been designed to address a range of multidisciplinary topics. Please use the following legend to plan which sessions you wish to attend:

Basic/Translational Research = [RESEARCH]
Guidelines/Standards = [GUIDE]
Health Services Research & Population Science = [HEALTH]
Medical Oncology = [MEDONC]
Radiation Oncology = [RADONC]
Radiology = [RAD]
Rehabilitation/Quality of Life = [REHAB/QOL]
Surgical = [SURG]

First Aid Station

A first aid station is located outside of Exhibit Hall D on the 800 level and a nurse will be staffed there as follows:

Saturday, July 21	08:00 - 18:00
Sunday, July 22	07:00 - 21:00
Monday, July 23	07:00 - 19:00
Tuesday, July 24	07:00 -17:00
Wednesday, July 25	07:00 - 13:00

General Information

Internet Access

Attendees of the conference will have access to free wi-fi internet on the 700 level of the convention center from Saturday through Wednesday.

Show Office

The Show Office is located in Room 704. Our office phone number is 416-585-3821. Messages may be left at the office for attendees.

Shuttle Service

Limited shuttle service will be provided from the conference headquarters hotel, the Westin Harbour Castle, to the South Building of the Metro Toronto Convention Centre from Friday, July 20th through Wednesday, July 25th. No shuttle service will be provided from other area hotels. Please see below for schedule to and from the Westin.

Friday, July 20	06:30 - 18:00
Saturday, July 21	08:00 - 17:30
Sunday, July 22	06:15 - 21:30
Monday, July 23	06:15 - 20:00
Tuesday, July 24	06:15 - 18:00
Wednesday, July 25	06:15 - 13:30

Conference Mobile Application

We are excited to announce the launch of our mobile app for the 8th International Conference on Head and Neck Cancer. The AHNS 2012 app serves as your all-in-one event guide by putting everything you need to know right onto your mobile device. Customize your conference experience by creating your schedule in advance. Email session notes to yourself and use AHNS 2012 as a reference tool even after the conference ends.

AHNS 2012 is currently available for free in the App Store and Android Market. Download yours today!

Scan in the code below on your iPhone, iPad or Android device using your favorite Quick Response (QR) Reader.

Android

iOS

Don't have a smart phone? You can use the website version with your computer by going to www.ahns2012.info

Educational Objectives

The conference is designed to facilitate discussion on "best practices" in the diagnosis, treatment, and rehabilitation of head and neck cancer patients throughout the world. The participation of Medical Oncologists, Radiation Oncologists, Radiologists, Pathologists, Head and Neck Surgeons, and Speech Pathologists will ensure educational interaction within and between specialties that can strengthen multidisciplinary collaborative relationships.

At the conclusion of the event, participants will be able to:

A. Discuss current therapeutic options for the head and neck cancer patient in a multidisciplinary environment, including:
   1) List the ways that induction chemotherapy and concurrent chemoradiotherapy impacts oncologic and functional outcomes of patient with advanced head and neck cancer.
   2) Compare the benefits and shortcomings of treating head and neck cancer patients with radiation delivery methods such as Intensity Modulated Radiotherapy or altered fractionation approaches.
   3) Critique the existing and potential roles of novel molecular-targeted agents in the treatment of head and neck cancer.
   4) Explain the role of functional and anatomic imaging modalities in pre-treatment staging and assessment of treatment response.
   5) Describe the changing role of the surgeon in patients treated with primarily non-surgical means.
   6) Review the impact of new breakthroughs in surgical technology including: 1) robotic surgery, 2) endoscopic approaches to the neck and thyroid gland, 3) image guided treatment of skull base neoplasms, 4) sentinel node mapping, 5) new reconstructive approaches, 6) new powered instrumentation and hemostatic devices.

B. Summarize emerging research breakthroughs that are helping us to better understand the pathogenesis of head and neck cancer that will translate into improvements in the diagnosis, prognostication, and treatment of the head and neck cancer patient, including:
   1) Novel high throughput laboratory approaches to analyze tumors and biofluids including whole genome sequencing, cDNA microrrays, array CGH, SNP arrays and integrative genomics.
   2) Animal models of head and neck cancer.
   3) The significance of human papillomavirus elements and or antibodies in tumors and biofluids.
   4) Pre-clinical evaluation of novel therapeutics.
   5) Early detection of oral premalignancy and cancer and chemopreventive approaches.
   6) The use of biomarkers in treatment selection.

C. Recognize the vital role of nurses, speech pathologists, audiologists, nutritionists, social workers, pain specialists, mental health practitioners, physical therapists, dental oncologists in achieving maximal functional outcomes and proper functional assessment and reporting of functional results of new treatments programs.

Educational Objectives

D. Describe the emerging emphasis in medicine on the quality, comparative effectiveness, and costs of health care delivery.

Attendees will be able to discuss the following:

1) The use of treatment guidelines including the NCCN treatment guidelines and adherence to treatment guidelines as a quality measure.
2) How to establish a surgical quality and performance monitoring program.
3) The impact of volume on quality of head and neck cancer care.
4) The Physician Quality Reporting Initiative (PQRI) in head and neck cancer care.
5) Incorporating quality into trainee/medical student education.
6) The burden of head and neck cancer in the developing world and the challenges facing the international community.

Continuing Medical Education Credits

The 8th International Conference on Head and Neck Cancer has been designated for continuing medical education credits. Please use the worksheet on page 12 to track the number of CME hours you attend for each activity. Nurses may submit their certificate of attendance to their state nursing board and get it qualified for credit. CMEs translate to 1 credit = 1 hour. Please use the following link to complete the on-line survey and claim form:

http://www.surveymonkey.com/s/HRJW2DG

The survey link will open on Saturday, July 21st. **Access is also available through the AHNS 2012 Mobile Application.**

AHNS Accreditation

The American Head & Neck Society (AHNS) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor Continuing Medical Education for physicians.

The AHNS designates this Live activity for a maximum of 30 *AMA PRA Category 1 Credit(s)™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Certificate of Attendance

Attendees may pick up a certificate of attendance from the Registration Desk beginning Tuesday, July 24th.

CME Worksheet

This is not your CME credit form. Please use the worksheet below to track the number of CME hours you attend for each activity.
Use the on-line link to the survey and claim form on page 11.

SATURDAY, JULY 21, 2012			
Activity	**Session Attended**	**Credits Available**	**Hours Attended**
Instructional Courses 09:00 - 10:00		1.0	
Instructional Courses 10:30 - 11:30		1.0	
Instructional Courses 13:00 - 14:00		1.0	
Instructional Courses 14:00 - 15:00		1.0	
Instructional Courses 15:30 - 16:30		1.0	
Total Credits Available for Saturday, July 21, 2012:		**5.0**	
SUNDAY, JULY 22, 2012			
Activity	**Session Attended**	**Credits Available**	**Hours Attended**
John J. Conley Lecture		0.75	
Christopher O'Brien Lecture		0.5	
Panels/Proffered Papers 10:45 - 12:15		1.5	
Lunch with the Professors or Tumor Boards 12:30 - 13:30		1.0	
Panels/Proffered Papers 13:45 - 15:15		1.5	
Panels/Proffered Papers 15:45 - 17:15		1.5	
Total Credits Available for Sunday, July 22, 2012:		**6.75**	
MONDAY, JULY 23, 2012			
Activity	**Session Attended**	**Credits Available**	**Hours Attended**
Jatin P. Shah Symposium		1.5	
AHNS Presidential Address		0.75	
Panels/Proffered Papers 10:45 - 12:15		1.5	
Lunch with the Professors or Tumor Boards 12:30 - 13:30		1.0	
Panels/Proffered Papers 13:45 - 15:15		1.5	
Panels/Proffered Papers 15:45 - 17:15		1.5	
Total Credits Available for Monday, July 23, 2012:		**7.75**	

CME Worksheet

TUESDAY, JULY 24, 2012			
Activity	**Session Attended**	**Credits Available**	**Hours Attended**
Keynote Lecture		0.75	
Keynote Lecture		0.5	
Hayes Martin Lecture		0.75	
Panels/Proffered Papers 10:30 - 12:00		1.5	
Panels/Proffered Papers 13:30 - 15:00		1.5	
Panels/Proffered Papers 15:30 - 17:00		1.5	
Total Credits Available for Tuesday, July 24, 2012:		**6.5**	
WEDNESDAY, JULY 25, 2012			
Activity	**Session Attended**	**Credits Available**	**Hours Attended**
New York Head & Neck Society Lecture		0.5	
Milton J. Dance, Jr. Lecture		0.5	
Panels/Proffered Papers 09:30 - 11:00		1.5	
Panels/Proffered Papers 11:00 - 12:30		1.5	
Total Credits Available for Wednesday, July 25, 2012:		**4.0**	
TOTAL CREDITS		**30.0**	

Commercial Bias Reporting Form

You are encouraged to …

1) Document (on this form) any concerns about commercially-biased presentations/ materials during educational sessions,
2) Make suggestions about how bias might have been avoided/ minimized, and
3) Immediately take your completed form to the AHNS staff at the Registration Desk.

Your feedback will be shared with a member of the CME Compliance Committee, who will make the faculty aware of the concerns and/or suggestions.

Commercial Bias

The AHNS CME Compliance Committee has defined "bias" as a*n existing predisposition that may interfere with objectivity in judgment. Bias may be minimized through prior declaration of any source of conflict of interest, reference to evidence-based literature and expert opinions, and/or an independent peer-review process.*

If an educational presentation certified for CME includes bias of any commercial interests*, please provide the following details:

*(*Commercial interest is defined by the ACCME as an entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.)*

Presentation:	**Commercial Bias by:**	**Promotion via:**
(eg session name, etc)	(ie faculty name, company rep)	(eg handouts, slides, what they said, actions)

Commercial Bias about:

(check all that apply)

___ Patient treatment/management recommendations were not based on strongest levels of evidence available.
___ Emphasis was placed on one drug or device versus competing therapies, and no evidence was provided to support its increased safety and/or efficacy.
___ Trade/brand names were used.
___ Trade names versus generics were used for *all* therapies discussed.
___ The activity was funded by industry and I perceived a bias toward the grantors.
___ The faculty member had a disclosure and I perceived a bias toward the companies with which he/she has relationships.
___ Other (please describe): _____

_____

_____

Suggestions for avoiding or minimizing bias:

_____

_____

_____

Extra Copies Are Available at the AHNS Desk

Please return this form to the AHNS Membership Booth or the Registration Desk, or mail it to:

AHNS CME, 11300 W. Olympic Blvd, Suite 600, Los Angeles, CA 90064

Conference Leadership

AHNS President

Carol R. Bradford, MD

Dr. Bradford assumed leadership of the Department of Otorhinolaryngology at the University of Michigan on January 1, 2009. Dr. Bradford continues to serve as the Co-Director of the Head and Neck Oncology Program and Head and Neck Cancer Destination Program. She previously served as the director of the Head and Neck Surgery Division, Associate Chair of the Department of Otolaryngology for clinical programs and education, and Residency Program Director.

She has long been a part of the U-M community. Dr. Bradford began her academic career at the University, and earned her B.S., M.S. and M.D. degrees here. Following her residency at U-M, she joined the faculty in 1992.

Dr. Bradford specializes in head and neck cancer surgery. She was the recipient of the Physician of the Year Award from Castle Connolly in 2009. She is President of the American Head and Neck Society. She also serves as the lead surgeon of an annual Head and Neck Surgery Mission Trip to Honduras.

Her translational research efforts are directed towards the study of biomarkers that predict outcome in head and neck cancer patients and the design of novel therapies to overcome resistance to treatment.

She has pursed several leadership training opportunities including the prestigious Executive Leadership in Academic Medicine Program for Women at Drexel University, the University of Michigan Healthcare Leadership Institute, and the Global Institute for Leadership Development.

Dr. Bradford is the honored recipient of several mentorship awards including the first ever "ALOT" award given for mentorship by graduating senior residents in Otolaryngology, the Jeanne Cady Solis Award for American Medical Women's Association Mentorship, and the Token of Appreciation Award by Medical Students (TAMS).

Conference Chair

Jeffrey N. Myers, MD, PhD

Dr. Jeffrey N. Myers received his medical (MD) and doctoral (PhD) degrees from the University of Pennsylvania School of Medicine, and he then completed his residency training in Otolaryngology-Head and Neck Surgery at the University of Pittsburgh. He subsequently completed fellowship training in Head and Neck Surgical Oncology at the University of Texas M.D. Anderson Cancer Center, where he has been on the faculty ever since. Dr. Myers leads a basic and translational research program and his primary research interests are in the role of p53 mutation in oral cancer progression, metastasis and response to treatment.

Dr. Myers and his wife Lisa have enjoyed 22 years of marriage and are the proud parents of three boys, Keith 20, Brett 17 and Blake 11.

Conference Leadership

Program Chair

Jonathan Irish MD MSc FRCSC FACS

Dr. Irish graduated with his M.D. degree in 1984 from the University of Toronto. He completed residency training at UCLA and at the University of Toronto. He completed his Master's of Science degree in Molecular Biology at the Institute of Medical Science at the University of Toronto in 1991 where he studied the molecular biological characteristics of head and neck cancers. He completed the American Head and Neck Society Fellowship in Head and Neck Surgical Oncology in 1991 and joined the staff of the University Health Network in 1992.

Dr. Irish is currently Chief of the Department of Surgical Oncology at the Princess Margaret Hospital/University Health Network and Mt. Sinai Hospital, Toronto, and is Professor of Otolaryngology-Head and Neck Surgery at the University of Toronto.

In 2008, Dr Irish was appointed Provincial Head of the Surgical Oncology Program at Cancer Care Ontario. He is also currently the Provincial Clinical Lead for Access to Services and Wait Times for the Province of Ontario.

Dr. Irish's clinical interest is in head and neck oncology and surgical reconstruction of the head and neck region. As the Kevin and Sandra Sullivan Chair in Surgical Oncology at the University of Toronto his research interests range from basic science studies in head and neck cancer to patient education intervention trials to outcome studies in head and neck cancers. More recently he has led a multidisciplinary program in Guided Therapeutics at UHN and is currently leading the Guided Therapeutics Core for the newly formed TECHNA Institute at the University Health Network.

Dr. Irish has over 225 peer review publications and over 25 book chapters and has over $2M in peer-review funding for his research through the NCIC and CIHR.

Conference Leadership

Proffered Papers Chair

Robert L. Ferris, MD, PhD

Robert L. Ferris, MD, PhD, FACS graduated with honors and distinction from the University of North Carolina at Chapel Hill. He completed his MD/PhD in immunology, and training in Otolaryngology/Head and Neck Surgery at Johns Hopkins, focused on head and neck oncologic surgery. Dr. Ferris then moved to the University of Pittsburgh as Assistant Professor of Otolaryngology and of Immunology.

In 2005, Dr. Ferris became Chief of the Division of Head and Neck Surgery and Director of the Fellowship in Advanced Head and Neck Oncologic Surgery. In 2006, he was promoted to Associate Professor (with Tenure), and in 2007 became Co-Leader of the Cancer Immunology Program at the University of Pittsburgh Cancer Institute (UPCI). In 2008, Dr. Ferris was named Vice-Chair for Clinical Operations of the Department of Otolaryngology, and Professor of Otolaryngology, of Radiation Oncology, and of Immunology. He was recently named Associate Director for Translational Research at the University of Pittsburgh Cancer Institute.

Dr. Ferris's NIH-funded cancer immunology laboratory studies chemokine receptor 7 (CCR7) in inflammation-associated carcinogenesis, and also investigates the immune effects responsible for the clinical activity of cetuximab, the EGFR-specific monoclonal antibody. He is also a Project Leader for the NCI Head and Neck SPORE (P50) grant, and has directed multiple NCI-funded, investigator-initiated, phase I and phase II prospective clinical trials testing dendritic cell (DC) and monoclonal antibody based immunotherapy in head and neck cancer patients.

Dr. Ferris serves as Co-Chair of the AHNS Research Committee and of the Eastern Cooperative Oncology Group (ECOG) Head and Neck Committee, where he is leading the design of prospective, randomized transoral surgical trials. He serves as a permanent member of the NIH Cancer Biomarkers study section, on the Editorial Boards of the *Journal of Clinical Oncology* and *Clinical Cancer Research,* as Section Editor for head and neck diseases for *Cancer,* and Associate Editor for *Head and Neck and Oral Oncology.* In 2008 he was inducted into the American Society for Clinical Investigation (ASCI). Dr. Ferris has published over 125 peer-reviewed scientific and clinical/translational manuscripts, co-authored numerous book chapters and co-edited two books. His career is devoted to establishing immunotherapy as a standard modality for cancer therapy with other clinicians and scientists in our field.

He is married to Laura K. Ferris, MD, PhD, Assistant Professor of Dermatology at UPMC, with whom he has three children, Rachel, Anna and Adam.

Poster Chair

Eben L. Rosenthal, MD

Eben L. Rosenthal, M.D., is currently the holder of the John S. Odess Professor and Division Director of Otolaryngology/Head and Neck Surgery at the University of Alabama at Birmingham, in Birmingham, Alabama.

Rosenthal received his medical degree from the University of Michigan Medical School, where he also completed an internship in general surgery and a residency in otolaryngology. After completing a fellowship in facial and plastic and reconstructive surgery at Oregon Health Sciences University, Rosenthal joined the Division of Otolaryngology at UAB.

Rosenthal is certified by the American Board of Otolaryngology and is a Diplomate of the American Board of Facial Plastic and Reconstructive Surgery. He works with the head and neck oncology team to treat patients suffering from cancer of the head and neck region. He specializes in the surgical reconstruction of head and neck defects using local, regional and microvacular free flap techniques.

He is actively investigating methods to image cancer in the operating room so that surgeons can 'see' microscopic islands of cancer during surgery. His laboratory also focuses tumor stromal interaction and the role of targeted therapy in head and neck cancer.

CEL•SCI
Empowering Immune Defenses

Booth 1414

Trial Description:

The IT-MATTERS - Phase III pivotal study is a randomized, controlled, multi-center, open label study of Multikine® (Leukocyte Interleukin, Injection)* that is being conducted by CEL-SCI in individuals who have advanced primary squamous cell carcinoma of the oral cavity or soft palate, and who have not previously been treated for their disease. The study will compare the results obtained in subjects treated with Multikine plus standard of care (SOC) (surgery followed by radiotherapy or surgery followed by concurrent chemo-radiotherapy, for subjects determined to be "high risk" at surgery) versus those treated with SOC only.

The primary goal of the study is to establish that the administration of Multikine investigational immuno-therapy prior to SOC will result in increased overall survival of the Multikine treated subjects as compared to subjects receiving only SOC. Multikine is given BEFORE any other cancer therapy so as to stimulate the subject's immune system to fight the cancer before it may be weakened by surgery, radiation and chemotherapy.

CEL-SCI's *"IT-MATTERS"* PHASE III GLOBAL STUDY IS SEEKING ADDITIONAL INVESTIGATORS

[A PIVOTAL GLOBAL PHASE III CLINICAL TRIAL IN PREVIOUSLY UNTREATED ADVANCED PRIMARY HEAD & NECK CANCER]

IT-MATTERS = Immuno-Therapy Multikine Anti-Tumor Treatments

** Multikine is the trademark that CEL-SCI has registered for this investigational therapy, and this proprietary name is subject to FDA review in connection with our future anticipated regulatory submission for approval.*

More information about the trial: Visit us at booth 1414

To learn more about this study and how you may participate in it as a clinical investigator: call CEL-SCI Corporation at 1-703-506-9460 (USA), visit www.cel-sci.com or www.clinicaltrials.gov (NCT # NCT01265)

Conference Leadership

Fundraising Chair

Bert W. O'Malley, Jr., MD

Bert W. O'Malley, Jr., M.D. is the Gabriel Tucker Professor and Chairman of the Department of Otorhinolaryngology – Head and Neck Surgery. He is the Director of the Head and Neck Cancer Research Program, Co-Director of the Center for Head and Neck Cancer and Co-Director of the Center for Cranial Base Surgery, with joint appointments in the Departments of Neurosurgery, Radiation Oncology, and the Abramson Cancer Center.

Dr. O'Malley received his medical degree from the University of Texas Southwestern at Dallas. He completed two years of general surgery residency at the University of Texas Southwestern and Parkland Memorial Hospital and then a residency in Otolaryngology – Head and Neck Surgery at Baylor College of Medicine. Dr. O'Malley completed a fellowship in head and neck oncology and cranial base surgery at the University of Pittsburgh. He began his academic faculty career at the Johns Hopkins University in 1995 where he rose to Associate Professor and Director of Gene and Molecular Therapy in the Department of Otolaryngology-Head & Neck Surgery.

Subsequent to his tenure at Hopkins and prior to coming to Penn, Dr. O'Malley served as Professor and Chairman of the Division of Otolaryngology – Head and Neck Surgery at the University of Maryland School of Medicine from 1999 to 2003 where he also held the position of Associate Director of the Greenebaum Cancer Center.

Dr. O'Malley brings clinical expertise in the area of skull base tumor surgery, head and neck and thyroid cancer and endoscopic sinus surgery. His clinical research focuses on the development of novel technologies such as image-guided surgery and robotic surgery. Dr. O'Malley co-founded the first human robotics head and neck and skull base program in the world and is co-principal investigator of the first IRB approved human clinical trial for robotic surgery in our specialty. He is actively developing novel robotic surgical procedures (TORS) and instrumentation to advance the use of this technology in all aspects of Otolaryngology - Head and Neck Surgery. He was instrumental in the achievement of USFDA approval in December 2009 for TORS (TransOral Robotic Surgery).

Dr. O'Malley does not currently hold NIH funding, but has served as P.I. on three NIH ROIs and an R29 (FIRST) award as well as numerous industry and foundation grants in addition to numerous roles as a Co-Investigator. He is presently conducting laboratory research in the area of gene and molecular therapy, investigating both viral and non-viral based gene therapies for the treatment of head and neck cancer. He is pioneering the use of molecular therapies to enhance the anti-tumor effects of chemotherapy and radiation while reducing the known toxicities of these treatments. In addition, he is investigating novel molecular markers that predict lymph node metastases for oral cancer.

Board certified in Otolaryngology – Head & Neck Surgery, Dr. O'Malley is a Fellow of the American College of Surgeons and the International College of Surgeons. Dr. O'Malley is a member of numerous professional societies, including the American Academy of Otolaryngology – HNS, the American Head & Neck Society, the Triological Society, the American Laryngologic Society, the American BrochoEsophagology Society, the American Rhinologic Society, the Society of University Otolaryngologists, The John Morgan Society, the Philadelphia College of Physicians, and the Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum (CORLAS). He is a founding member of the Cell Transplant Society and Charter member of the Society of Robotic Surgery.

Dr. O'Malley is Editor-in-Chief of the *Journal for Oto-Rhino-Laryngology, Head and Neck Surgery* and Editor of the textbook *"Atlas of Skull Base Surgery."* He is also Co-Author and Co-Editor of the recently published text *"TransOral Robotic Surgery (TORS)."*

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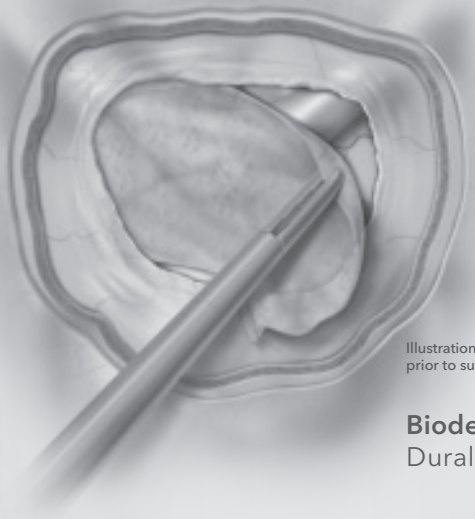

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Keynote Lectures & Symposiums

Hayes Martin Lecture

Gregory T. Wolf, MD

Gregory Wolf, M.D., F.A.C.S., is Chair Emeritus of the Department of Otolaryngology – Head and Neck Surgery at the University of Michigan Medical Center in Ann Arbor, MI. He obtained his undergraduate education at the University of Notre Dame and his medical degree at the University of Michigan School of Medicine. He subsequently completed two-year general surgical training at Georgetown University followed by residency in otolaryngology at the State University of New York. After residency, he became a fellow in the Tumor Immunology Section in the Division of Cancer Treatment at the National Cancer Institute in Bethesda, MD. In 1980, he joined the faculty in the University of Michigan.

Department of Otolaryngology–Head and Neck Surgery, where he has spent his entire career. He has acted in multiple capacities during his tenure at the University of Michigan, including being Director of the Head and Neck Surgery Division, ACGME Residency Director, Director of the Head and Neck Oncology Fellowship Training Program and Director of the Head and Neck Oncology Program for the University of Michigan Comprehensive Cancer Center. He became Professor in 1989 and eventually Chair of the Department of Otolaryngology-Head and Neck Surgery in 1992. He served in that role for 17 years training an outstanding cadre of residents and fellows. He has served on numerous institutional committees including two terms as a Director of the Faculty Group Practice and has served as Councilor for the Advisory Council of the NIDCD, NIH. Dr. Wolf was principal investigator for numerous research efforts and clinical trials in the treatment of head and neck cancers, including the landmark national Veteran's Affairs Cooperative Study for organ preservation in advanced laryngeal cancer which created a revolutionary change in the management of these cancers. He has authored over 200 original research articles and book chapters, edited two textbooks and has been an invited speaker at countless regional, national, and international symposiums. He was Past-President of the American Head and Neck Society (2007-2008). He is the recipient of numerous awards including the Presidential Citation from the American Head and Neck Society in 2002, the Triological Society Vice-Presidential Citation in 2006, The Albert C. Muse Prize for Excellence in Otolaryngolgy 2009, and the Honor Award from the American Academy of Otolaryngology-Head and Neck Surgery in 1988, as well as multiple citations in Best Doctors in America and Who's Who in the World. Dr. Wolf has dedicated his life to the care of patients and has been one of the most influential physician scientists in head and neck cancer surgery.

Past Hayes Martin Lecturers

Randal S. Weber, MD (2011)
Adel El-Naggar, MD (2010)
Charles W. Cummings, MD (2009)
Waun Ki Hong, MD (2008)
Jesus E. Medina, MD (2007)
Keith S. Heller, MD (2006)
Richard K. Reznick, MD, MEd (2005)
Christopher J. O'Brien, MD (2004)
Michael Johns, MD (2003)
Eugene Myers, MD (2002)
William Wei, MS (2001)
Robert M. Byers, MD (2000)
Jean-Louis H. LeFebvre, MD (1999)
Jatin P. Shah, MD (1998)
Blake Cady, MD (1997)
Joseph N. Attie, MD (1996)
Helmuth Goepfert, MD (1995)
John G. Batsakis, MD (1994)
Ronald H. Spiro, MD (1993)
John M. Lore, MD (1992)
Ian Thomas Jackson, MD (1991)
Alando J. Ballantyne, MD (1990)
George A. Sisson, MD (1989)
M.J. Jurkiewicz, MD (1988)
Elliot W. Strong, MD (1987)
Donald P. Shedd, MD (1986)
Alfred S. Ketcham, MD (1985)
William A. Maddox, MD (1984)
John J. Conley, MD (1983)
Milton Edgerton, MD (1982)
Richard H. Jesse, MD (1981)
Condict Moore, MD (1980)
Edward F. Scanlon, MD (1979)
Harvey W. Baker, MD (1978)
Harry W. Southwick, MD (1977)
Edgar L. Frazell, MD (1976)
Charles C. Harrold, MD (1975)
Arthur G. James, MD (1974)
Oliver H. Beahrs, MD (1973)
William S. MacComb, MD (1972)

Keynote Lectures & Symposiums

Hayes Martin Biography

Hayes Martin

Hayes Martin was born in Dayton, a small town in north central Iowa. He attended the University of Iowa at Iowa Falls before being accepted to the medical school in 1913 on the same campus, finishing 4 years later in a class of 20.

World War I began in April 1917 while Hayes was in his final year of medical school. Many of his classmates at the medical school were in the Army ROTC units; however, Dr. Martin opted for the Navy, which he joined on the day America entered the war. He traveled to Europe on the USS Arkansas and was assigned to his permanent duty station at the U.S. Navy Air Station, La Trinite Sur Mer, France – a small seaside village on the southern coast of Brittany. The purpose of this base was antisubmarine warfare using blimps and kite balloons. Dr. Martin was made commanding officer of the air station for a brief period of time when the line officer in charge had become ill; it was a unique position for a medical officer in the Navy to take command during wartime.

After the war, Dr. Martin returned to the U.S and sought out an internship at the old Poly Clinic Hospital in New York City, which was temporarily made into a Veteran's Administration hospital. Part of his internship was spent at Bellevue in the fourth surgical division, where he felt he would have the best possible training in general surgery. The chief of the second division was John A. Hartwell, MD, the distinguished surgeon memorialized by the Fellow's Room in the library of the New York Academy of Medicine. Dr. Hartwell suggested that Dr. Martin go to Memorial Hospital to learn about cancer.

Dr. Martin received an internship at Memorial in the summer of 1922 and stayed on as a resident until 1923. He then had two years at the second surgical service at Bellevue, where he operated to his heart's content and got the surgical education he so strongly desired. Once he finished his residency, Dr. Martin returned to Memorial where he joined as clinical assistant surgeon on the staff.

Dr. Martin made the use of aspiration biopsy on all solid tumors popular throughout Memorial. Now, this procedure is done throughout the world. Dr. Martin co-authored the first report on the subject published in the Annals of Surgery. Numerous other articles followed, including Dr. Martin's two most famous publications, "Cancer of the Head and Neck," published in two issues of the Journal of the American Medical Association in 1948, and "Neck Dissection," appearing in Cancer in 1951. These two papers were so extensively requested that the American Cancer Society made reprints by the thousands available to those who requested them as many as 20 years after publication. Dr. Martin's bibliography encompasses more than 160 articles.

In 1934, Dr. Martin was appointed Chief of the Head and Neck Service at Memorial Hospital. It wasn't until 1940 that surgery began to take over as the treatment of choice for the majority of cancers of the head and neck. In that year, the beginnings of improved anesthesia permitted advances in surgery. Later, during World War II, antibiotics became available and surgery began to dominate much of head and neck cancer management. Dr. Martin wrote extensively on many subjects, most within the realm of head and neck surgery. His ideal was to be the complete head and neck surgeon and he treated a wide variety of head and neck abnormalities. His book, Surgery of the Head and Neck Tumors, was published in 1957.

Dr. Martin retired from active practice in 1957 at the age of 65. He performed his last operation at Memorial Hospital, assisted by Dr. Elliot Strong, in October 1959, but continued to see patients in his office until he passed away in 1977.

Keynote Lectures & Symposiums

John J. Conley Lecture

Julie A. Freischlag, MD

Dr. Freischlag is The William Stewart Halsted Professor, Chair of the Department of Surgery and Surgeon-in-Chief at The Johns Hopkins Hospital in Baltimore, Maryland. She came to Johns Hopkins in 2003, from the University of California in Los Angeles, where she was Chief of the Vascular Surgery Division and Director of the Gonda (Goldschmied) Vascular Center. Dr. Freischlag completed her surgical residency and post residency Vascular Fellowship at UCLA.

Before Dr. Freischlag returned to work at UCLA, she was a Professor of Surgery at the Medical College of Wisconsin where she was also the Vice Chair of the Vascular Surgery Section and Chief of Surgery at Zablocki VA Medical Center.

Past John J. Conley Lecturers

Benjamin S. Carson, Sr., MD (2011)
Robert L. Comis, MD (2010)
James D. Smith, MD (2009)
Carolyn Dresler, MD (2008)
Kenneth I. Shine, MD (2007)
John Stone, MD, MACP (2006)
James F. Battey Jr., MD (2005)
David C. Leach, MD (2004)
Jonathan D. Moreno, MD (2003)
Rabbi David Saperstein (2002)
Edward Hughes, MD (2001)

John J. Conley Biography

Although he looked and sounded like an English nobleman, Dr. John Conley was born in Carnegie, Pennsylvania, a small steel mill town just outside of Pittsburgh. He graduated from the University of Pittsburgh and later its school of medicine. He interned at Mercy Hospital in Pittsburgh. During that year, the nuns who ran the hospital suggested that Dr. Conley take a residency in cardiology and come back to Mercy as their cardiologist.

He went to Kings County Hospital in Brooklyn, a very busy city hospital with a huge patient population. Shortly after he began his training, he had an arrhythmia diagnosed as paroxysmal atrial tachycardia. Little was known about this benign condition at that time. Dr. Conley was told that cardiology was too stressful and that he should go into an easier, less-stressful field with better working hours, like ENT. He did an otolaryngology residency at Kings County Hospital. This was followed by four years of military service during World War II, which included experience in otolaryngology and plastic and reconstructive and maxillofacial surgery in the U.S. Army Medical Corps, both in this country and in the South Pacific theater. Exposure to the construction of war wounds would prove invaluable to him later on in applying these principles to reconstruction following ablative head and neck surgery.

Dr. Conley returned to New York City after the war. He became an assistant and then an associate of Dr. George T. Pack, a technically superb general oncologic surgeon at Memorial Hospital who taught Dr. Conley major ablative surgery of the head and neck. They worked day and night catching up with the backlog of surgery that was neglected during the war years. The combination of his training in otolaryngology, the exposure to ablative surgery, and the World War II experience in reconstructive surgery set the stage for Dr. Conley to evolve his unique approach to head and neck surgery.

Ironically, despite the admonition of the cardiologists about hard work, Dr. Conley did a prodigious amount of major head and neck reconstructive surgery. This proved to be more than ample to provide training to many fellows. His commitment to education is further attested to by the position he held for many years as Clinical Professor of Otolaryngology at the College of Physicians and Surgeons at Columbia University. He loved his appointment at Columbia and particularly his involvement in teaching the residents.

Dr. Conley's vast surgical experience, together with active research interests, led to the authorship of almost 300 contributions to the scientific literature, and eight

books. As a result of his productivity and rhetorical eloquence, he was very much in demand as a speaker in this country and abroad. He gave many prestigious eponymous lectures in our field and received many awards for his work, including the Philip H. Hench Award as the Distinguished Alumnus of the University of Pittsburgh School of Medicine, and the DeRoaldes and Newcomb Awards of the American Laryngological Association.

Dr. Conley's contributions to the scientific literature, many technical innovations and surgical experience placed him in the position to receive many honors and important leadership positions, such as President of the American Academy of Otolaryngology and Ophthalmology, member of the Board of Governors of the American College of Surgeons, founding member of the Society of Head and Neck Surgeons, and founding member and first President of the American Society for Head and Neck Surgery. During those years, Dr. Conley used, to the great benefit of us all, his wisdom and diplomacy in carrying out such high-level responsibilities.

Christopher O'Brien Lecture

John F. Thompson, MBBS, BSc (Med), MD, FRACS, FACS

John Thompson is the Executive Director and Research Director of Melanoma Institute Australia, one of the world's largest melanoma treatment and research centres. He is the author of over 500 peer-reviewed scientific articles in the medical literature, as well as numerous book chapters, review articles and monographs. His principal current research interests are in the fields of lymphatic mapping and sentinel node biopsy for melanoma, and regional chemotherapy techniques for limb tumours which cannot be treated surgically.

Christopher O'Brien, MD Biography

Professor O'Brien led a life unparalleled by many. He graduated in medicine from the University of Sydney in 1976 and then completed his residency and surgical training at Royal Prince Alfred Hospital. He decided to specialize in head and neck surgery and undertook clinical fellowships in head and neck surgery and oncology at the Royal Marsden Hospital, in England and at the University of Alabama, USA, returning to Australia in 1987 to join the staff of RPAH as a consultant head and neck surgeon. There he contributed to the expansion of the clinical service, making it one of the largest in the country, and also established a comprehensive head and neck database. That database is the largest in Australasia and one of the largest in the world.

He also established a basic research program and an international clinical fellowship program under the umbrella of the Sydney Head and Neck Cancer Institute, which he founded in 2002.

Professor O'Brien had two postgraduate degrees from the University of Sydney – a Masters of Surgery for his basic research in microvascular surgery and a Doctorate in Medicine for his work on the management of metastatic cancer in the neck.

He was the author of over one hundred scientific papers and 17 book chapters and he has been honoured with invitations to many countries and institutions as a visiting professor and guest lecturer, including invitations to give numerous prestigious named lectures: the Hayes Martin Lecture in Washington in 2004, the Eugene Myers International Lecture in Los Angeles 2005, the inaugural Jatin P Shah Lecture in Prague 2006 and the Semon Lecture in London 2008. He was also made an Honorary Fellow of the Royal College of Surgeons of England in recognition of his contribution to the training of young British surgeons. His published works contributed significantly to our understanding of the patterns of metastatic spread of cutaneous malignancies and their management.

In 1998, Professor O'Brien founded the Australian and New Zealand Head and Neck Society, a multidisciplinary society comprising of surgeons of all disciplines, radiation and medical oncologists and allied health professionals. He was

President in 2004. He served on Council of the AHNS from 2005-2008. He was a founding member of the International Federation of Head and Neck Oncologic Societies, and served on its council throughout his active career.

In 2003 Professor O'Brien became Director of the Sydney Cancer Centre, based at Royal Prince Alfred Hospital and the University of Sydney, while maintaining all of his clinical, teaching and research responsibilities. He has developed a proposal to transform the Sydney Cancer Centre into a $250 million world-class comprehensive cancer centre, supported by the Government and philanthropic funds raised by him. This dedicated Head and Neck Cancer centre will be called, "Life House – The Chris O'Brien Cancer Centre".

Professor O'Brien was diagnosed with glioblastoma multiforme in 2006 and although his initial treatment was successful, after a valiant and courageous battle, he passed away on June 4, 2009.

Professor O'Brien was widely known to the people of Australia for his many appearances on the award winning reality TV program RPA. He was made a Member the Order of Australia (AM) for his services to medicine, on Australia Day in 2005. He was to receive the highest civilian Honor, AO, (Officer of the Order of Australia), from the Prime Minister of Australia, on the Queen's Birth Day celebrations, in the first week of June, but unfortunately, he passed away, only hours before the ceremony. This Honor was bestowed upon him posthumously, and was received by Mrs. Gail O'Brien.

His book entitled *Never Say Die* depicted his personal battle with cancer and also served as an inspiration to those suffering from all forms of cancer.

In 2008, AHNS established the Professor Chris O'Brien Fund, which in part, sponsors the AHNS/ANZHNS Chris O'Brien Travelling Fellowship Award, an award to encourage international exchange of information concerning surgical science, practice, and education and to establish professional and academic collaborations and friendships. The first recipient of this award is Professor Carsten Palme and the second recipient is Sandro Porceddu, MD. The International Federation of Head and Neck Oncologic Societies established "The Chris O'Brien Symposium" at its quadrennial congress, the first of which was presented in Seoul, Korea, during the 4th World Congress of IFHNOS.

Professor O'Brien, fondly called by his family and friends "Dr. Gorgeous" is survived by his wonderful wife, Gail, and their three children, Adam, Juliette and James, who dearly loved him.

If you would like to make a donation to the AHNS Chris O'Brien Fund, please go to http://www.ahns.info/foundation/pledge.php.

Milton J. Dance, Jr. Lecture

Fu-Chan Wei, MD

Dr. Fu-Chan Wei received his medical degree from Kaohsiung Medical College in 1972, and completed his plastic surgery training in 1978. Subsequently, he had two years fellowship in microsurgery and hand surgery at the University of Toronto, and the University of Louisville.

Dr. Wei became the chairman of the Department of Plastic and Reconstructive Surgery in 1994, the vice superintendents in 1997 at Chang Gung Memorial Hospital, and Chancellor of the College of Medicine in 2003 at Chang Gung University. During his tenure as the chief of the Department of Plastic and Reconstructive Surgery, through his efforts in leading and coordination, his institution developed into the world leading microsurgical center renowned for extensive number of cases with an unattested level of quality in head and neck, facial palsy, brachial plexus, upper and lower extremity, and breast reconstructions.

Dr. Wei developed many ground-breaking concepts, techniques, and innovations which have revolutionized cancer and trauma patient care, and laid the scientific foundation for this medical discipline with major contributions in toe-to-hand transplantation for traumatic digital amputation, fibula osteoseptocutaneous flap for long bone and mandibular reconstruction, and perforator flap and free style flap for coverage reconstruction of the entire body.

Professor Wei has published more than 400 peer-reviewed journal articles, 69 chapters in textbooks and has edited a total of 10 books in English. His most recent volume on "Flap and Reconstructive Surgery" published by Saunders in 2009 is regarded as the best textbook in reconstruction surgery today and has been translated into Spanish in 2011. He served as the chief editor for *Journal of Microsurgery* for 6 years and is a member of the editorial board for nine professional journals. In 2011, he has also been appointed as the international associate editor of *Plastic and Reconstructive Surgery Journal.*

Professor Wei has been invited to give a total of 517 special lectures at various international meetings and medical centers, including 50 keynote speech and served as a faculty member for 70 instructional courses. He has been invited as a visiting professor internationally for over 58 times, including Harvard, Stanford, Johns Hopkins, U. Pennsylvania, Duke, Mayo Clinic, U. Chicago, Northwestern and UCLA. He has been bestowed as"Doctor Honoris Causa" by Gregore T. Popa University of Medicine and Pharmacy, Isai, Romania in 2010.

Dr. Wei has won numerous awards both internationally and domestically including the Founder's Lecture at American Society Reconstructive Microsurgery in 1996, the first Tord Skoog Lecture at Scandinavian Society of Plastic Surgery in 2000, the Maniliac Lecture at American Society of Plastic Surgery in 2001, HJ Buncke Lecture Award (whose degree of significance and honor in microsurgery is analogous to that of Nobel Prize). He was selected as one of the 20 most important innovators in plastic surgery's 400 years of history by the American Society of Plastic Surgery with the citation: "accomplishments have left an indelible impact on the specialty" and "legend's work serves patients for generations".

Professor Wei has trained 95 fellows and mentored 798 visiting surgeons from 64 countries, many of whom have returned to their respective countries to hold leadership positions.

Dr. Wei is an active member of 12 medical societies and also honorary member of Canadian (2002) and American Society of Plastic Surgery (2010). He has been the president of several medical societies including the Plastic and Reconstructive Surgery Association, the Hand Surgery Society of the Republic of China, and the International Microsurgical Society (1998-2000). He was the president of the World Society for Reconstructive Microsurgery (2001-2003). He also served the International Federation of Societies for Plastic Surgery (IPRAS) as a deputy secretary general (2007-2011).

Milton J. Dance, Jr. Biography

Through the Provision of Greater Awareness and Medical Resources, Milton "Laddie" and Jeanne shared their dream – that other cancer patients and their loved ones would see their future as an opportunity for hope and peace of mind.

In 2003, an estimated 1.3 million people in the U.S. will be given the devastating news that they have some type of cancer. About 5% of them will be told that it is cancer of the head or neck, one of the most devastating types of cancer because its effects are the most visible and even audible. Thanks to Milton J. 'Laddie' Dance and his wife, Jeanne Vance, fewer and fewer of these individuals will face this news without hope.

While today there are many sources of support groups to aid cancer patients in their search for further education, alternative therapies, hope and comfort, over 20 years ago, when Laddie and his wife, Jeanne, discovered that he had throat cancer, there seemed to be little support available. "Back then, you went to the doctor, obtained the diagnosis, had your surgery or therapy and that was about it," explains Ms. Vance. "It seemed so cold. We felt so alone, with no recourse, no support, no hope. But we accepted it. You didn't ask any questions, you just did what you were told. The realm of our understanding of the scope of the disease, how to deal with it, and the course it could take was so limited back then. We needed more."

By nature, Laddie was a mover, a shaker and even a bit of a rabble-rouser at times, many would say. For a man who traveled in the circles of high society, politics and influential people, he was very well grounded — an enigma, several have called him. But that's what made him unique. That's what made him Laddie. He couldn't

stop moving. Nothing seemed to stop or dampen his spirit and certainly not a bout with cancer, or so it seemed. Cancer has this way about it, eating away at your heart and gnawing at your soul, unless of course, you do something about it. And that's what Ms. Vance and Laddie did.

When Laddie was first diagnosed with cancer, he didn't know just how lucky he would eventually be. He didn't know that after two separate cancer occurrences, he would be completely 'cancer-free' for the next 27 years. So, while publicly he donned his high spirit and zest for life, privately he and his wife experienced the same fearful thoughts, sadness, anger and self-doubt that many cancer patients and their families do. "No one should endure these feelings alone without understanding and a helping hand," emphasizes Ms. Vance. It was these very same feelings of loneliness and helplessness that motivated Ms. Vance to take action in laying the groundwork for the future Milton J. Dance Jr. Head and Neck Rehabilitation Center.

After lengthy discussions with their lawyer, Lee Thomas, a noted GBMC otolaryngologist, Alvin Wenger, MD, and his head and neck surgeon, Robert Chambers, MD, an endowment was formed to fund a head and neck rehabilitation and cancer clinic. The main purpose of the endowment was to fund a center that would help educate and rehabilitate head and neck cancer patients while improving their quality of care and service. The Center still does this 23 years later.

Now directed by John R. Saunders, MD, the Milton J. Dance Jr. Head and Neck Rehabilitation Center Director, the Center has grown to serve an average of 100 cancer patients a year with a staff of 12 full- and part-time dedicated healthcare specialists. Their integrated and comprehensive approach to educate, rehabilitate and serve patients includes a core team and ancillary professionals. The core team consists of a medical director, surgeon, nurse, social worker and speech and language pathologists who provide introductory and primary care. Additionally, satellite staff utilize the expertise of respiratory and physical therapists, nutritionists, vocational rehabilitation and psychiatric services. "We're with you for life," says Linda Clarke, RN, MS, CORLN, Head and Neck Rehabilitation nurse and 20-year veteran of the Center. "We work hard to combine as many disciplines as possible — surgical, medical, and radiation oncology, dentistry, speech-language pathology, nursing, social work and much more to offer complete services to our patients." While some of the needs of head and neck cancer patients are similar to those of other disabled individuals, there are many unique problems, which call for a different approach.

According to John Saunders, MD, Center Director, "Our team of specialists at the Center work closely together to provide the highest level of coordinated services for the best possible outcome. Once their needs are identified, patients are dealt with more expeditiously through an integrated and coordinated team approach. This results in a more comprehensive rehabilitation program which includes the family, and is also timely, sensitive, customized and complementary to the patients needs."

Jeanne Vance's and Laddie Dance's dream for cancer patients to see their future as an opportunity for hope and peace of mind is realized every day by the patients at the Milton J. Dance Jr. Head and Neck Rehabilitation Center. It achieved what they set out to do: alleviate fear of the word 'cancer' as well as the disease itself.

People say you'll live a lot longer if you think positive, have fun and laugh more. This was so true of Laddie Dance who lived a full and prosperous 76 years. Last November, Laddie died of a heart attack at his home in Manalapan, Florida, and is truly missed by his family, friends, and many Baltimoreans. However, his philanthropy and personal outreach to cancer victims and their families will live on forever.

A prominent race horse auctioneer and co-owner of 2000 champion older horse, Lemon Drop Kid, Laddie Dance saw life and the world as an opportunity…time that

shouldn't be wasted on feeling sorry for oneself. "This was frequently evidenced by the spirit in his voice when he called an auction and the gleam in his eye when he saw a great horse, beautiful women or fantastic business opportunity," remarks his wife Jeanne.

Laddie Dance frequently shared his vitality for life with cancer patients he met at annual head and neck rehabilitation conferences held by the Dance Center. He liked to share stories and anecdotes of his life experiences rather than dwell on things that were beyond his control. Laddie's life and philanthropy were of particular significance to Andy Szulinski, a former radio announcer for WFBR and the first patient treated at the Center. "We accidentally met on a plane coming back from the West Coast, says Mr. Szulinski." "You know how it is. When you have surgical scars, you tend to spot the same kind of scars on other people. The plane landed, Laddie came up to me and we started talking. He made me feel like I was the most important guy on earth…like somebody cared and that I wasn't alone. You'll never find a guy with a more positive attitude. He is not a quitter."

When asked if he felt his 'accidental' meeting with Laddie was a coincidence or fate, Mr. Szulinski profoundly replied, "I don't think that there are any coincidences in life. Everything happens for a reason. Coincidence is a term that people use when they fail to believe that there is a higher power." "Meeting Laddie was the icing on the cake," Mr. Szulinski adds. "It completed the circle for me. I had met someone who helped me recover from surgery. I was gratified and humbled through his generosity, which directly affected my recuperation process. I was particularly grateful that all of the recuperative therapies were intertwined. Knowing that I was going to have the kind of support provided to me by the Center made a huge difference to me, because there isn't a lonelier feeling on earth than finding out you have cancer. The whole caring atmosphere was like getting a package beautifully gift-wrapped. You felt like you weren't alone. The feeling you get from the Center is extremely positive, a feeling like … we are going to beat this thing and you are going to live a normal life."

Others who knew Laddie also remember his confident and assertive attitude. "Laddie always had a remarkable presence and spirit about him. He was opinionated and firm about his beliefs. When he took a stand, he never backed down. A real man's man, he was," says Lee Thomas, Laddie's long-time friend and lawyer. "It seemed like Laddie knew everybody, thousands of people. He was well-known and thought of throughout the Baltimore-Washington region and up and down the East Coast as a racing horse expert and top-notch auctioneer."

Laddie knew horse breeds and lines better than some people know their own relatives. He was good at it because he did his homework. A 45-year employee of Fasig-Tipton, he loved and knew the art of auctioneering inside out. Auctioneering came to him naturally though, probably because his father, Milton J. Dance, Sr. was also a veteran of the profession.

Laddie had the good fortune of not having to worry about money, but he was in no way an elitist. "You'd be just as likely to see him chatting with those who cleaned the stable as the owner of the track," says Mr. Thomas. "Nor was he political. He was very clear about what he liked, and how he felt, and he didn't mince words. You always knew where you stood with him and that is probably what made him so special. What you saw, is what you got." What Baltimore's healthcare community received was the benefit of the Dance endowment's great philanthropy as well as decisive thoughts on the purpose and value offered through a head and neck rehabilitation center for cancer victims.

For this, the Greater Baltimore Medical Center is very grateful and would like to sincerely thank Ms. Vance and Laddie Dance for their philanthropy and outreach to cancer patients. We look forward to serving more cancer patients and helping them to survive and cope through stronger and better medical/social services, advanced technology, research, education and cancer maintenance programs.

Keynote Lectures & Symposiums

New York Head & Neck Society Lecture

Tak Wah Mak, PhD

Tak W. Mak is the Director of the Campbell Family Institute for Breast Cancer Research at the Princess Margaret Hospital, and a University Professor in the Departments of Medical Biophysics and Immunology at the University of Toronto. Dr. Mak's research interests center on immune cell recognition/regulation, molecular mechanisms underlying the survival and death of normal or malignant cells, as well as the role of inflammation in the progression of autoimmune disease and cancer. In addition, Dr. Mak has devoted a large portion of his research to investigating the pathogenesis of cancer. In particular, he is interested in mechanisms of metabolic transformation in order to identify potential targets for novel cancer therapeutics. He is best known as the lead scientist of the group that first cloned the genes of the human T cell antigen receptor, a discovery that provided essential insights into the molecular basis of cellular immunity. Dr. Mak's many accomplishments have been recognized by the scientific community through numerous prestigious awards and honours.

Keynote Lecture

Brent C. James, MD, M.Stat

Brent James is known internationally for his work in clinical quality improvement, patient safety, and the infrastructure that underlies successful improvement efforts, such as culture change, data systems, payment methods, and management roles.

He is a member of the National Academy of Science's Institute of Medicine (and participated in many of that organization's seminal works on quality and patient safety); He holds faculty appointments at the University of Utah School of Medicine (Family Medicine and Biomedical Informatics), Harvard School of Public Health (Health Policy and Management), and the University of Sydney, Australia, School of Public Health. He is the Chief Quality Officer, and Executive Director, Institute for Health Care Delivery Research at Intermountain Healthcare, based in Salt Lake City, Utah. (Intermountain is an integrated system of 23 hospitals, almost 150 clinics, a 700+ member physician group, and an HMO/PPO insurance plan jointly responsible for more than 500,000 covered lives serving patients in Utah, Idaho, and, at a tertiary level, seven surrounding States).

Through the Intermountain Advanced Training Program in Clinical Practice Improvement (ATP), he has trained more than 3500 senior physician, nursing, and administrative executives, drawn from around the world, in clinical management methods, with proven improvement results (and more than 30 "daughter" training programs in 6 countries).

Before coming to Intermountain, he was an Assistant Professor in the Department of Biostatistics at the Harvard School of Public Health, providing statistical support for the Eastern Cooperative Oncology Group (ECOG); and staffed the American College of Surgeons' Commission on Cancer.

He holds Bachelor of Science degrees in Computer Science (Electrical Engineering) and Medical Biology; an M.D. degree (with residency training in general surgery and oncology); and a Master of Statistics degree. He serves on several non-profit boards of trustees, dedicated to clinical improvement.

Keynote Lectures & Symposiums

Keynote Lecture

Harald zur Hausen, MD, DSc

Harald zur Hausen was born on March 11, 1936 in Gelsenkirchen-Buer, Germany. He studied Medicine at the Universities of Bonn, Hamburg and Düsseldorf and received his M.D. in 1960. After his internship he worked as postdoc at the Institute of Microbiology in Düsseldorf, subsequently in the Virus Laboratories of the Children's Hospital in Philadelphia where he was later appointed as Assistant Professor. After a period of 3 years as a senior scientist at the Institute of Virology of the University of Würzburg, he was appointed in 1972 as Chairman and Professor of Virology at the University of Erlangen-Nürnberg. In 1977 he moved to a similar position to the University of Freiburg. From 1983 until 2003 he was appointed as Scientific Director of the Deutsches Krebsforschungszentrum (German Cancer Research Center) in Heidelberg. He retired from this position in 2003.

He received a number of national and international awards, among them the Robert-Koch-Price, the Charles S. Mott Price of the General Motors Cancer Research Foundaton, the Federation of the European Cancer Societies Clinical Research Award, the Paul-Ehrlich-Ludwig Darmstätter-Price, the Jung-Price, Hamburg, the Charles Rudolphe Brupbacher Price, Zürich, the Prince Mahidol Award, Bangkok, the Raymond Bourgine Award, Paris, the Coley-Award, New York, the Life Science Achievement Award of the American Association for Cancer Research, San Diego, the German Special Order of Merit with Star, the Tsungming Tu Award and the Nobel-Prize for Medicine, 2008. He received 19 honorary MD amd Ph.D. doctorates from the Universities of Chicago, USA, Umeå, Sweden, Prague, Czech Republic, Salford, UK, Helsinki, Finland, Erlangen-Nürnberg and Würzburg, both Germany, Ferrara, Italy, Buenos Aires, Argentine, Madrid, Spain, Melbourne, Australia, Salerno, Italy, Los Angeles, USA, Madrid, Spain, Jerusalem, Israel, Besançon, France, Hangzhou, China and Valdivia, Chile, Ljubljana, Slovenia.

He is an elected member of various academies (e.g. German National Academy LEOPOLDINA, Heidelberg Academy of Sciences, Polish Academy of Sciences, Venezuela National Academy of Medicine, American Philosophical Society, Institute of Medicine of the National Academy of Sciences (USA), Foreign member of the US National Academy of Sciences) and research organizations (EMBO, HUGO), and became an Honorary Member of a number of biomedical scientific societies. A large number of Special Lectures and Visiting Professorships, Memberships in Editorial Boards and active involvements in the organization of international meetings complement his curriculum.

From January 2000 – December 2009 zur Hausen was Editor-in-Chief of the International Journal of Cancer , and from 2006 until 2010 he was member of the Board of Directors of the International Union against Cancer (UICC). From 2003 until 2010 he was vice-president of the German National Academy for Natural Sciences and Medicine LEOPOLDINA in Halle. Since 2006 he is member of the Scientific Council of the National Science Tansfer and Development Agency in Bangkok, Thailand.

Keynote Lectures & Symposiums

Jatin P. Shah Symposium & Biography

Professor Jatin P. Shah graduated from the Medical College of MS University in Baroda, India, and received his training in Surgical Oncology and Head and Neck Surgery at Memorial Sloan Kettering Cancer Center. He is Professor of Surgery, at the Weil Medical College of Cornell University, and Chief of the Head and Neck Service, Leader of the Head and Neck Disease Management Team, and holds The Elliott W. Strong Chair in Head and Neck Oncology at Memorial Sloan-Kettering Cancer Center in New York City.

Dr. Shah is a national and international leader in the field of head and neck surgery, having served as President of The New York Cancer Society, The New York Head and Neck Society, The Society of Head and Neck Surgeons, The North American Skull Base Society and the International Academy of Oral Oncology. He is Founder of The International Federation of Head and Neck Oncologic Societies, in 1986. He currently serves as Chairman of the AJCC task force on Head and Neck. He was Chairman of the Joint Council for advanced training in head and neck oncologic surgery in the USA. He was also Chairman of the 4th International Conference on Head and Neck Cancer in Toronto in 1996. He has served in varying capacities for The American Board of Surgery, and the American College of Surgeons.

Professor Shah has been the recipient of numerous awards from various parts of the world, and is the recipient of honorary fellowships from The Royal College of Surgeons of Edinburgh, London and Australia. He holds Honorary PhD, degrees from the Catholic University of Louvain, in Belgium and the University of Athens, in Greece. He is recipient of the Blokhin Gold medal, the highest Honor in Oncology in Russia. He has been elected as an honorary member of several head and neck societies in Europe, Asia, Australia, Africa and Latin America. He has been continuously listed in the "Best Doctors in America" directories for several years. He serves on the Editorial and Review Boards of 18 scientific journals and has published over 300 peerreviewed articles, 50 book chapters and 7 books. His textbook of Head and Neck Surgery and Oncology won First Prize from The British Medical Association and The Royal Society of Medicine and was awarded the George Davey Howells Prize from the University of London, for the best published book in otolaryngology in the preceding five years.

He is a much sought after speaker who has delivered over 1,000 scientific presentations including, 59 eponymous lectures and keynote addresses, and visiting professorships in the United States, Canada, United Kingdom, Scotland, Sweden, Belgium, Germany, Italy, Spain, Poland, Russia, Croatia, Turkey, Egypt, South Africa, India, China, Korea, Japan, Hong Kong, Taiwan, Singapore, Phillipines, Australia, Argentina, Brazil, Chile, Peru, Equador, Venezula, Panama, and Mexico.

In recognition of his outstanding contributions, and World Leadership in Head and Neck Surgery, Memorial Sloan Kettering Cancer Center, has established The "Jatin Shah Chair in Head and Neck Surgery and Oncology", The International Federation of Head and Neck Oncologic Societies has established "The Jatin Shah Lecture", at its world congresses, and the American Head and Neck Society has established the "Jatin Shah Symposium" at its annual meeting.

Guests of Honor

President's Guest of Honor

Charles J. Krause, MD

Dr. Krause was recruited to the University of Michigan 35 years ago to be Chairman of the Department of Otolaryngology – Head and Neck Surgery at the University of Michigan. During almost two decades as Chair, he represented our specialty with distinction. He also served the University of Michigan as Chief of Clinical Affairs, Senior Associate Dean, and Senior Associate Hospital Director.

Always the calm and thoughtful visionary, Dr. Krause served as President of several national organizations in our specialty, leaving a strong legacy of leadership. As head of the exam committee and president of the American Board of Otolaryngology, he worked tirelessly to assure the validity of the exam process, seeking input from practitioners in both academic and private practice. And as Treasurer and President of the American Academy of Otolaryngology – Head and Neck Surgery, the building at One Prince Street in Alexandria, Virginia, was purchased to be the "home" of our discipline. Early in his career at Michigan he took the helm of the American Society of Head and Neck Surgery. Determined that otolaryngologists and general surgeons work together, he was instrumental in the creation of the joint American Head and Neck Society.

Bringing people together is an underlying theme of his career, and nowhere was this clearer than in his service to the American Academy of Facial Plastic and Reconstructive Surgery. His colleague, Eugene Tardy, M.D. recalls, "Chuck Krause's blend of excellence, forbearance, equanimity, and common decency helped set the stage for the rapid growth of facial plastic surgery in otolaryngology at a time full of threats and challenges from competing and overlapping surgical fields." One of the first truly academic facial plastic surgeons, he pioneered microvascular surgery courses for otolaryngologists to teach academic surgeons so they could train their own residents and staff.

His dedication to building a structure and a culture of effective mentorship and excellence in surgical training defined a department and contributed to the strength of our entire specialty.

From AHNS President, Dr. Carol Bradford: "Chuck is certainly one of the reasons I chose Otolaryngology and head and neck surgical oncology for my professional career. He is one of my most important role models. He is an extraordinary leader. He was a talented surgeon. He was beloved by his patients. He was adored by his trainees. In my career, I have strived to emulate 'Chuck' in every aspect: in how he cared for patients, how he led the Department of Otolaryngology at the University of Michigan, and how he inspired his trainees. He used to say, 'You just gotta be good enough.' What this meant was that you needed to do whatever you could to provide the very best care for your patients. The bar was set high."

Guests of Honor

Conference Chair's Guest of Honor

Eugene N. Myers, MD

Eugene N. Myers, MD, FACS, FRCS Edin (Hon) is Distinguished Professor and Emeritus Chair in the Department of Otolaryngology at the University of Pittsburgh School of Medicine. He is a graduate of the University of Pennsylvania and Temple University School of Medicine. His residency at Massachusetts Eye and Ear Infirmary – Harvard Medical School was followed by a Fellowship in Head and Neck Surgery with Dr. John Conley in New York.

Dr. Myers became Chairman of the Department of Otolaryngology, University of Pittsburgh School of Medicine in 1972, a position he held for 33 years. He is a specialist in head and neck cancer surgery. He is active in patient care and teaching. He has published hundreds of articles, book chapters, and many books on this subject. He is a past President of the American Board of Otolaryngology, the American Academy of Otolaryngology-Head and Neck Surgery, the American Head and Neck Society, and the American Laryngological Association.

Dr. Myers has devoted a large part of his career to international activities. He was President of the Pan American Association of Otolaryngology – Head and Neck Surgery in 1991, Honorary President of the Israeli Section on Head and Neck Oncology from 1991 – 1998, Honorary President of the Balkan Society of Otorhinolaryngology Head and Neck Surgery from 2010, and is Visiting Professor of the University of Alexandria, Egypt. He is now the American Academy of Otolaryngology – Head and Neck Surgery Regional Advisor to the Balkan Society of Otorhinolaryngology – Head and Neck Surgery.

He was Chairman of the ad hoc committee on Head and Neck Cancer of the International Federation of Oto-Rhino-Laryngological Societies (IFOS) from 2003 - 2009. Dr. Myers is an Honorary Member of 20 national Otolaryngology societies, and is an Honorary Fellow of the Royal College of Surgeons of Edinburgh and the Royal Society of Medicine in London. He is or has been a member of the Editorial Board of 14 international Journals.

Dr. Myers is listed in the Marquis *Who's Who in America,* the Castle Connolly *America's Top Doctors for Cancer, Who's Who in Science and Engineering,* and *Who's Who in Medicine and Healthcare.* Dr. Myers was the recipient of the Grand Gold Medal of the Comenius University in Bratislava, Slovakia. At the XIX ENT World Congress IFOS 2009 in San Paolo, Brazil, Dr. Myers was awarded a Gold Medal for his contributions to International Otolaryngology. He has been a Faculty Honoree many times at the University of Pittsburgh Honors Convocation. Dr. Myers is the Director of the International Visiting Scholars Program in the Department of Otolaryngology which hosts 50-75 physicians, residents, fellows, and students from overseas as observers or researchers in our Department.

Distinguished Service Award

Ashok R. Shaha, MD

Dr. Shaha is an attending surgeon and Professor of Surgery at Memorial Sloan-Kettering Cancer Center and holds Jatin P. Shah Chair in Head and Neck Surgery. He completed his surgical training in India with fellowship at Tata Memorial Hospital, Bombay. After arrival in the United States in 1975, Dr. Shaha did his surgical oncology fellowship at Memorial, and subsequently completed his surgical residency at Downstate Medical Center. He did his head and neck fellowship at Memorial hospital in 1981 and joined the Department of Surgery at Downstate Medical Center in 1982 as an Attending Surgeon, rising to the rank of Professor of Surgery in 1992. During this period, he was chief of Head and Neck Surgery, and also acting Chief at Brooklyn VA Medical Center from 1987 to 1989.

He subsequently returned to Memorial hospital as an attending surgeon in 1993. Dr. Shaha secured several gold medals during his post-graduate training, and was awarded the Golden Apple Teaching Award at Downstate Medical Center. The other awards include faculty member of AOA, outstanding teacher award at Memorial Sloan-Kettering Center in 1996, and distinguished service award by American Academy of Otolaryngology. Dr. Shaha has traveled extensively around the world as a Visiting Professor and guest lecturer. He has been past President of New York Head and Neck Society, New York Cancer Society, New York Surgical Society, Brooklyn Surgical Society, and American Society for Surgeons of Indian Origin. He was co-President of the newly founded American Head and Neck Society in 1998-1999. He has been on the editorial board of several international head and neck journals and was program chairman for the 5th International Head and Neck Oncology meeting in San Francisco in 2000 and served as Conference Chairman for the 6th International Head and Neck Meeting in 2004.

He was elected President of the American Association of Endocrine Surgeons from 2011-12. Recently, he was also elected to the American Surgical Association. He has published approximately 585 papers of which 435 are peer-reviewed (Pub-Med and Scopus).

His CV includes 140 abstracts, 63 posters and 45 scientific exhibits. He also has published extensively in the field of thyroid cancer.

Dr. Shaha has dedicated his professional career to the training of medical students and residents and developed a preceptorship program at Cornell. He has been Chairman of Advance Training Council for Head and Neck Oncology, fellowship in the United States for the past 10 years.

Distinguished Service Awards

Jatin P. Shah, MD 1989
Stephan Ariyan, MD 1990
Ashok R. Shaha, MD 1991
Elliot W. Strong, MD 1995
John J. Coleman, III MD 1999
David L. Larson, MD 1999
Harold J. Wanebo, MD 1999
Jonas T. Johnson, MD 2001
Helmuth Goepfert, MD 2003
Marc D. Coltrera, MD 2004
Wayne Koch, MD 2005
John A. Ridge, MD, PhD 2006
Ernest A. Weymuller, Jr., MD 2007
Helmuth Goepfert, MD 2008
Keith S. Heller, MD 2009
Mark K. Wax, MD 2010

Special Recognition Awards

Paul B. Chyetien, MD 1984
John M. Lore, Jr., MD 1985
William S. MacComb, MD 1986
Calvin T. Klopp, MD 1987
Edgar L. Fazell, MD 1988
Harvey W. Baker, MD 1989
Vahram Y. Bakamjian, MD 1991
Jean-Louis Lefevbre, MD 1995

Presidential Citations

Tamara H. Miller, R.N.

Tamara Miller RN BSN has served as the head and neck oncology nurse coordinator in the Department of Otolaryngology at the University of Michigan Hospital and Health Systems for the past 17 years. Prior to this role she served as the discharge planner for Otolaryngology inpatients where she began her University of Michigan career in 1987. She graduated from the University of Michigan School of Nursing with a Bachelor's degree in 1985. Ms. Miller is a member of the Society of Otolaryngology Head and Nurses and the Michigan Nurses Association. What she loves most about her job is the opportunity to help make a difference in patients' lives. In addition to coordinating the care and management of the head and neck cancer patients, she has actively been involved in patient research.

Teresa H. Lyden, M.A., CCC-SLP

Teresa H. Lyden, M.A., CCC-SLP is the lead Head and Neck Oncology Speech Language Pathologist for the Departments of Otolaryngology and Speech Language Pathology at the University of Michigan Health System. Both her undergraduate and graduate degrees in Speech Pathology were completed at Michigan State University. She is an active member of the Michigan Speech-Language-Hearing Association (MSHA) and the American Speech-Language-Hearing Association (ASHA). In addition, she is recognized as a certified instructor of alaryngeal communication through the International Association of Laryngectomees (IAL). Ms. Lyden's areas of expertise include the evaluation and treatment of communication and swallowing disorders in the head and neck cancer population. She is active in funded and non-funded clinical research which has resulted in authorship of peer reviewed book chapters and articles. In addition, she has presented at the local, state and national levels on topics relative to communication and swallowing disorders in Head and Neck Oncology. She began her career at the University of Michigan in 1997.

Suresh K. Mukherji, MD, FACR

Dr. Suresh K. Mukherji is a Professor of Radiology, Otolaryngology Head Neck Surgery and Radiation Oncology at the University of Michigan where he is also the Division Director of Neuroradiology and Head & Neck Radiology. In addition, Dr. Mukherji is a Professor of Periodontics and Oral Medicine in the University of Michigan School of Dentistry. Dr. Mukherji received his M. D. degree from Georgetown University. He completed his radiology residency at the Brigham and Women's Hospital, Harvard Medical School in Boston, MA. He was a Neuroradiology Fellow, with emphasis on head and neck imaging, at the University of Florida in Gainesville, Florida. Dr. Mukherji is a recognized authority in Head & Neck and Neuroradiology. He has been an active contributor to the neuroradiology literature and has authored over 300 scientific manuscripts, 60 book chapters and 12 textbooks.

Dr. Mukherji's primary interest has been focused on investigating emerging metabolic and physiologic imaging techniques to evaluate head and neck cancer and to differentiate recurrent tumors from post-therapeutic changes in previously treated patients. These technologies include imaging with fluorodeoxyglucose analogues imaged with prototype Single Photon Emission Computed Tomography, Gamma Cameras, standard PET, and CT-PET. Other metabolic and physiologic imaging techniques, which Dr. Mukherji has investigated, include Thallium-201, magnetic resonance spectroscopy, CT perfusion and CT spectral imaging.

From AHNS President, Dr. Carol Bradford: "Suresh is a brilliant and talented neuroradiologist who is a key and valued member of the head and neck oncology program at the University of Michigan and an active participant in our head and neck oncology tumor board. With his statement: "Just draw a line down the middle" he taught me and many other otolaryngologists how to accurately interpret imaging studies. More than once, he has identified unknown primary sites on radiologic studies, or told me exactly where I ought to perform the biopsy to find the primary. He has also counseled the head and neck surgeon that a particular tumor is 'sneaky big.' Importantly, he has informed us when tumors extended beyond the usual limits of the head and neck surgical arena."

Presidential Citations

Timothy M. Johnson, MD, FAAD

Dr. Johnson is the Lewis and Lillian Becker Professor at the University of Michigan. He graduated from the University of Texas at Houston Medical School in 1984, followed by residency in Dermatology at the same institution. He completed a 2-year fellowship in Cutaneous Surgery and Oncology at the University of Michigan and University of Oregon. He was appointed in Dermatology at the University of Michigan in 1990, with joint appointments in the Departments of Otolaryngology and Surgery. In 2003, he was promoted to full Professor. He was appointed by the Dean and Regents to Endowed professorship status as the William B. Taylor Collegiate Professor 1999-2005, followed by the Lewis and Lillian Becker Professor 2005-present. Since 1990, he has served as Director, Cutaneous Surgery and Oncology Program; and Director, Multidisciplinary Melanoma and Cutaneous Oncology Programs, University of Michigan Comprehensive Cancer Center.

Dr. Johnson is a benchmark for clinical care. He received the Dean's Award for Clinical Specialist of the year and is listed in *Best Doctors, America's Top Doctors for Cancer, Guide to America's Top Physicians, America's Top Doctors, Guide to Top Doctors,* and *Metro Detroit's Best Doctors.* He served as President of the Association of Academic Dermatologic Surgeons, President of the Michigan Dermatological Society, Inaugural Director of the University of Michigan Global Destination Medicine Program, and served on the board of directors and executive committees of several national and international organizations that impact medicine. He served as Chair of the American Academy of Dermatology Melanoma and Skin Cancer Committee; the American Joint Committee on Cancer Staging; and was a founding member of the National Comprehensive Cancer Network Guideline Committees.

Dr. Johnson's commitment to education is distinguished with key involvement in curriculum and course development, mentorship, and an immense number of invited national and international honorary keynote lectures. His students span the gamut from high school students, medical students, residents from several disciplines, fellows, multidisciplinary community physicians, and academic colleagues. Dr. Johnson served on the editorial board of several scholarly journals including Associate Editor for the *Journal of the American Academy of Dermatology,* and has authored well over 200 full publications. His publication portfolio represents authoritative seminal work with impact, scholarship and influence on the practice of medicine. In addition to mainstream dermatology, surgery, and oncology journals, his publications occur in top impact journals such as *Nature, Nature Medicine, Journal of Clinical Oncology, Cancer Research, Nature Cell Biology,* and *JAMA.*

Dr. Johnson has served as PI on several clinical trials and numerous scientific/scholarly research activities. His clinical research is focused on skin cancer epidemiology, therapy, and biology, particularly in melanoma. He established robust tissue banks in both non-melanoma and melanoma skin cancer, with a linkable prospective comprehensive clinical database. Systematic rigorous study of complete and large prospective datasets and collaboration with numerous scientists investigating molecular, genetic, and biochemical disease processes has resulted in a high quality and quantity of clinical research that continues to facilitate advancement of knowledge in his field.

Presidential Citations

Francis P. Worden, MD

Francis P Worden, MD, RPh is a medical oncologist and Associate Professor of Medicine at the Comprehensive Cancer Center of the University of Michigan, where he is also the director the fellowship program for the division of hematology and oncology. Dr Worden is involved with new treatment strategies for organ preservation in patients with locally advanced head and neck cancers as well as clinical studies for patients with metastatic head and neck and thyroid malignancies. His areas of clinical focus are phase II/III studies, novel targeted therapies, and biomarkers. Dr Worden earned his bachelor's degree in pharmacy from Purdue University, his medical degree from Indiana University. He completed his residency in Internal Medicine and Pediatrics at the Detroit Medical Center and Children's Hospital of Michigan and completed his hematology/oncology fellowship from the University of Michigan.

Congratulations to the AHNS Research Award Winners!

– AHNS Alando J. Ballantyne Research Pilot Grant –

Neerav Goyal, MD

Pennsylvania State University College of Medicine;

"Determining the Association Between Radon Levels and Thyroid Cancer"

– AHNS Pilot Grant –

Daria Gaykalova, MD

Johns Hopkins University;

"Transcription Factor Signature of Head and Neck Squamous Cell Carcinoma"

– AHNS Pilot Grant –

John Frederick, MD

The University of Alabama at Birmingham;

"Anti-CD147 Inhibits EGFR Signaling in Cutaneous Squamous Cell Carcinoma"

– AHNS/AAO-HNSF Young Investigator Combined Award –

Allen Ho, MD

Memorial Sloan-Kettering Cancer Center;

"Mutational Characterization of Adenoid Cystic Carcinoma"

Research and Best Paper Awards

Alando J. Ballantyne Resident Research Pilot Grant

Alando J. Ballantyne, MD

Alando J. Ballantyne, M.D., a giving teacher, dedicated surgeon, and a devoted husband and father, is memorialized by the Alando J. Ballantyne Resident Research Pilot Grant. This award, in the amount of $10,000, is for the best grant application by a resident.

Alando, known simply as Jay, grew up in a loving Mormon home that taught him the values of family, excellence, integrity and hard work. Jay graduated Phi Beta Kappa from the University of Arizona and was then awarded a scholarship to Columbia Medical School. During World War II, Jay served as an army captain and medical doctor and had the good fortune to meet his wife, Maria, in San Antonio. In 1947, Dr. Ballantyne became the first resident at the new M.D. Anderson Hospital in Houston. After his year-long residency, he went for further training at the Mayo Clinic in Rochester, Minnesota. He returned to the Anderson staff in 1952, where he quickly advanced from Assistant Surgeon in the Head and Neck Service to Associate Surgeon, and then from 1974 until his retirement in 1994, held the title of Surgeon and Professor of Surgery in the Department of Head and Neck Surgery as well as the title of Ashbel Smith Professor.

Dr. Ballantyne is credited as the first surgeon in the United States to pioneer modified radical neck dissection. His contributions to his subspecialty, the result of an undying curiosity and uncanny powers of observations, have been published in numerous scientific papers and book chapters. Jay lectured at local, national, and international forums and loved his travels. He held memberships in many distinguished medical and surgical societies and served as President and Hayes Martin Lecturer of the Society of Head and Neck Surgeons and President of the Texas Surgical Society.

To honor the contributions of this world-renowned surgeon, the Cynthia and George Mitchell Foundation established the Alando J. Ballantyne Distinguished Chair in Head and Neck Surgery at the University of Texas M.D. Anderson Cancer Center.

Dr. Ballantyne's contributions to the subspecialty of Head and Neck cancer surgery have been the result of an undying curiosity and uncanny powers of observation. He was the father of conservative surgery, removing the cancer while preserving the function. He had a relentless desire to eradicate his patients' disease, yet was able to balance this fervor with a desire to maintain quality of life for all his patients.

Always an advocate of reconstruction and preservation of cosmesis as well as function, those fortunate enough to have worked with him and been taught by him are forever indebted to his wisdom, surgical expertise, and devotion to his patients. He was beloved by his patients, admired by his peers and idolized by his family.

The Alando J. Ballantyne Resident Research Pilot Grant is funded by the generous contributions of members of the Ballantyne family, including Dr. Gilchrist L. Jackson, a respected member of the American Head and Neck Society.

Research and Best Paper Awards

Christopher O'Brien Traveling Fellowship Award

Sandro V. Porceddu, MD

The American Head and Neck Society in partnership with the Australia New Zealand Head and Neck Society is excited to share that the 2012 Chris O'Brien Traveling Fellowship Award is being extended to Dr. Sandro Porceddu of Queensland, Australia. Dr. Porceddu brings several years of experience in radiation oncology and a long list of accomplishments. As part of his fellowship Dr. Porceddu will be traveling to the US and we very much anticipate his visit and the shared learning experience to come.

Dr. Porceddu, currently Senior Staff Specialist in radiation oncology at Princess Alexandra Hospital in Brisbane, Queensland, Australia, and Associate Professor at University of Queensland School of Medicine, is originally fromMelbourne,Australia. He achieved his Bachelor of Medicine and Surgery with Honors at Monash University in Melbourne and then pursued his Doctorate of Medicine at the University of Queensland in Brisbane. Dr. Porceddu is also the incoming President of the Clinical Oncology Society of Australia.

Both serving on and chairing several committees, panels and trials, Dr. Porceddu exemplifies the mission of the AHNS Foundation by truly pushing the boundaries on head and neck cancer research and we congratulate him on this additional accomplishment, the Chris O'Brien Traveling Fellowship Award.

Robert Maxwell Byers Biography

Robert Maxwell Byers

The Robert Maxwell Byers Award, in the amount of $1000, is for the best clinical or basic science research paper submitted for presentation at the annual meeting of the American Head and Society.

Robert Maxwell Byers, M.D. was born in Union Hospital, Baltimore, Maryland on September 24, 1937. He grew up on the Eastern Shore of Maryland in the small town of Elkton. Very active in the varsity sports of baseball, basketball and track during his high school years, he continued his athletic participation at Duke University along with his pre-med studies. He entered the University of Maryland Medical School in Baltimore in 1959. where he excelled in his medical studies and received membership in AOA and the Rush Honor Medical Society. The highlight of his sophomore year was his 1961 marriage to Marcia Davis, a high school sweetheart. During his junior year, he was commissioned an Ensign in the United States Naval Reserve and later rose to the rank of Captain in 1986.

In 1963, Dr. Byers begin his general surgical residency with Dr. Robert Buxton at the University Hospital in Baltimore. Five years later, as a fully trained general surgeon, he went to the Republic of Vietnam with the 1st Marine Division where he received a unit commendation medal and a combat action ribbon. On return to the United States, he spent a year at Quonset Point, Rhode Island Naval Hospital as Chief of Surgery. In 1969, he was certified by the American Board of Surgery. After discharge from the Navy in 1970, Dr. Byers and his family moved to Houston, Texas where he began a fellowship in Surgical Oncology at the University of Texas M.D. Anderson Cancer Center under the guidance of Drs. R. Lee Clark, Richard Martin, Ed White, William MacComb, Richard Jesse and Alando J. Ballantyne. This move proved to be a decisive event, as he never left. His career in Head and Neck Surgical Oncology was born, nurtured, and matured during the 31 years of his academic/clinical practice at the University of Texas M.D. Anderson Cancer Center.

During his tenure at M.D. Anderson Cancer Center he rose through the ranks from Assistant Professor in 1972 to Associate Professor in 1976 and, finally, Professor and Surgeon in 1981.

In 1998, he was honored with the Distinguished Alando J. Ballantyne Chair of Head and Neck Surgery. He is the author or co-author of over 200 published papers, book chapter and monographs. He has given invited lectures all over the world. Most recently (1999), he was selected to give the Hayes Martin Memorial Lecture at the 5th International Conference on Head and Neck Cancer. He has been President

Research and Best Paper Awards

of the American Radium Society and President of the Society of Head and Neck Surgeons both in 1995 – 1996. His research interests and his expertise have been focused on cancer of the oral cavity, head and neck cancer in young people and treatment of the neck involved with metastatic cancer with a particular interest in various neck dissections. Dr. Byers is a member of many prestigious societies, of which the Southern Surgical Association, the Texas Surgical Society, the American College of Surgeons and the Society of Surgical Oncologists are but a few. He is a peer reviewer for many medical journals and on the Editorial Board of three. During his 31 years at the University of Texas M.D. Anderson Cancer Center, he has participated in the surgical education of over 300 residents and fellows, many of who have gone on to become prominent members of the specialty. The youth community of Houston has benefited from his coaching expertise in baseball and basketball while he has indulged in the hobbies of hunting, travel, and collecting toy soldiers.

Congratulations to our Best Paper Award Winners for the 8th International Conference on Head and Neck Cancer!

– Robert Maxwell Byers Award –

Arun Sharma, MD, MS

University of Washington, Seattle, WA;
VA Puget Sound Health Care System, Seattle, WA;
Fred Hutchinson Cancer Research Center, Seattle, WA;

"The Effect of Hospital Volume and Designated Cancer Center Status on Treatment and Survival in Patients with Advanced Head and Neck Cancer"

– Best Resident Clinical Paper –

Jessica H. Maxwell, MD, MPH

University of Pittsburgh;

"Extracapsular Spread is Not Associated with Worse Survival in p16-Positive Oropharyngeal Cancer Patients"

– Best Resident Basic Science Paper –

Nicholas Deep, MD

University of Alabama at Birmingham;

"Preclinical Assessment of Intraoperative Imaging of Microscopic Head and Neck Cancer Using Panitumumab"

– Best Prevention & Early Detection Paper: 1st Place –

Daofa Tian, PhD

Dept. of Otolaryngology, the First Affiliated Hospital,
TCM University of Hunan, China;

"Identification on the Targeting Organ and accompanied AP-1 Signaling Pathway characteristics in the Mucosal Epithelia of LMP1-mtp53 Transgenic Mice with Precancerous Lesion"

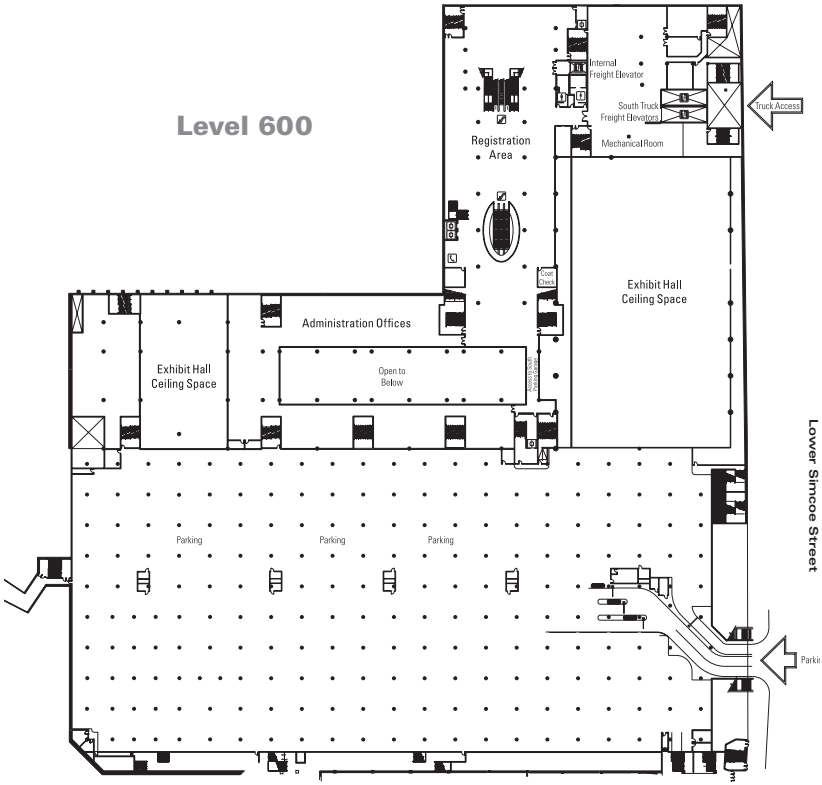
- Best Prevention & Early Detection Paper: 2nd Place –

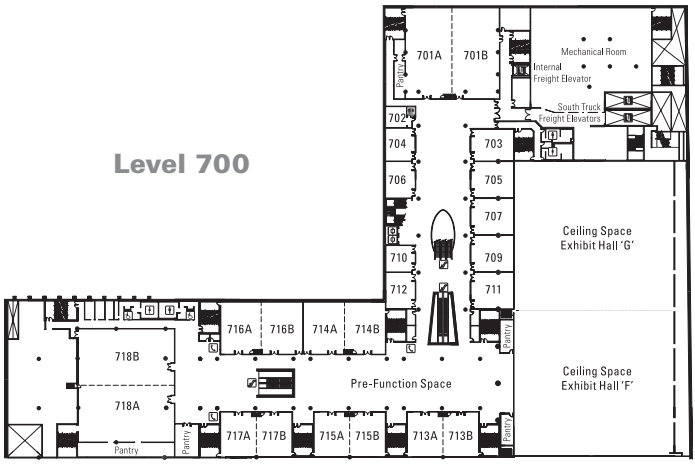
Ying Luo, PhD

Lab of Molecular Genetics of Aging & Tumor, Faculty of Life Science and Technology & Faculty of Environmental Science and Engineering, Kunming University of Science & Technology, Kunming, China;

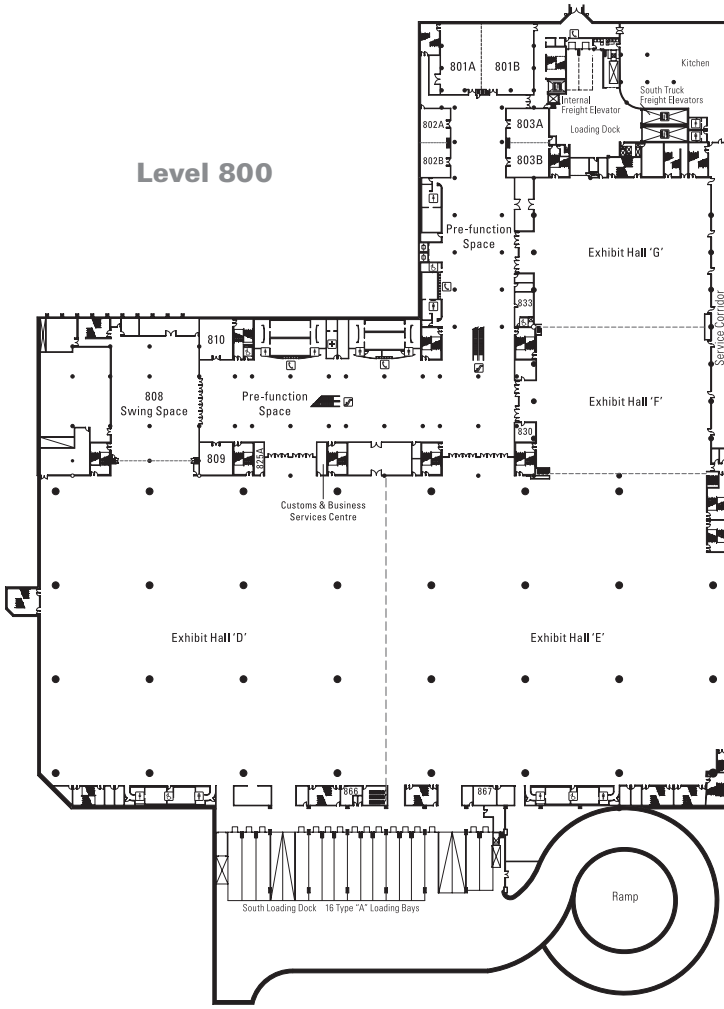
"The Gain of Function of p53 Mutant p53N236S in Promoting Tumorigenesis by Crosstalking with H-RasV12"

Metro Toronto Convention Centre Floorplans





Metro Toronto Convention Centre Floorplans



Schedule at a Glance

Saturday-at-a-Glance

TIME	EVENT	LOCATION
08:00 - 12:30	**ACS Exported Ultrasound Course - Thyroid/ Parathyroid: Didactic Session**	709
09:00 - 10:00	**INSTRUCTIONAL COURSES #1**	
	Assessment of Treatment Response After Chemoradiotherapy	701A
	Identifying and Treating Tobacco Abuse in Cancer Patients	715
	The Management of Dysphagia in the Head and Neck Cancer Patient	701B
	New Technologies and Developments in Head and Neck Reconstruction	718A
	Parathyroid Disease	718B
	Salivary Endoscopy: Applications and Outcomes	716
	Update on ATA/NCCN Guidelines for Thyroid Cancer	714
	Working with National Databases	717
10:00 - 10:30	**MORNING COFFEE BREAK**	700 FOYER
10:30 - 11:30	**INSTRUCTIONAL COURSES #2**	
	Biomarkers and Signature Therapeutics: Integrating into Clinical Practice	717
	Cutaneous Melanoma of the Head and Neck: The State-of-the-Art	718B
	Epidemiology, Biology and Detection of HPV in Head and Neck Cancer	715
	Integration of Quality Improvement and Safety Monitoring into Surgical Practice	714
	Management of Pre-Malignant Lesions of the Head and Neck	701A
	New Developments and Innovative Approaches in Speech and Swallowing Rehabilitation	701B
	Robotic Surgery for Oropharyngeal and Laryngeal Cancer	716
	State-of-the-Art in Mandibular and Maxillary Reconstruction	718A
13:00 - 16:30	**ACS Exported Ultrasound Course - Thyroid/ Parathyroid: Hands-on Skill Session**	801
13:00 - 14:00	**INSTRUCTIONAL COURSES #3**	
	Current Use of HPV Status in the Clinic and Future Directions in HPV Research	715
	Head and Neck Survivorship Programs: Considerations and Challenges	701B
	Immunology/Immunotherapy in Head and Neck Cancer	717
	Maintenance of Certification: A Lifelong Learning and Practice Improvement Program for Head and Neck Surgeons	714
	New Developments in Systemic Therapy	701A
	State-of-the-Art in Pharyngoesophageal and Tracheal Reconstruction	718A
	Thyroid Cancer: Early and Advanced	718B
	Transoral Laser Surgery for the Pharynx and Larynx	716

Schedule at a Glance

Saturday (continued)

TIME	EVENT	LOCATION
14:00 - 15:00	**INSTRUCTIONAL COURSES #4**	
	Earlier Integration of Palliative Care into the Management of the Patient with Recurrent or Advanced Head and Neck Cancer	714
	Imaging: Current Guidelines and Standards and Future Developments	701A
	Management of Salivary Gland Malignancy	715
	Non-Melanoma Skin Cancer: Medical Therapies, Surgery and Reconstruction	718B
	Practical Use of Patient Reported Outcomes in Day-to-Day Clinical Care	701B
	Robotic Thyroidectomy	716
	Setting Up and Running Multicenter Randomized Trials	717
	Skull Base Surgery: Open and Endoscopic Approaches (2-hour course)	718A
15:00 - 15:30	**AFTERNOON BEVERAGE BREAK**	700 FOYER
15:30 - 16:30	**INSTRUCTIONAL COURSES #5**	
	Current Measures of Swallowing Function: What Are They? What Do They Mean?	701B
	Doing Research: Setting up a Clinical and Translational Research Program	717
	Management of the Facial Nerve in Parotid Malignancy: Oncologic and Reconstructive Principles	715
	Minimally Invasive Videoassisted Parathyroidectomy and Thyroidectomy	718B
	New Developments in IMRT and Proton Beam Therapy: Improving Outcomes and Decreasing Toxicity	701A
	Robotic Surgery in Oropharyngeal Cancer	714
	Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls	716

Sunday-at-a-Glance

TIME	EVENT	LOCATION
08:00 - 09:00	**WELCOME AND OPENING CEREMONIES**	Exhibit Hall G
09:00 - 09:45	**JOHN J. CONLEY LECTURE: Clinical and Personal Comparative Effectiveness**	Exhibit Hall G
09:45 - 10:15	**CHRISTOPHER O'BRIEN LECTURE: Lymphatic Drainage from Cutaneous Malignancies of the Head and Neck: New Insights with Important Implications for Management**	Exhibit Hall G
10:00 - 16:00	**EXHIBIT HALL OPEN AND POSTER VIEWING**	Exhibit Halls E&F
10:15 - 10:45	**MORNING COFFEE BREAK**	Exhibit Hall F
10:45 - 12:15	**PANELS OR PROFFERED PAPERS**	
	Panel: Epigenetics in Head and Neck Cancer	701A
	Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Evaluation	718B
	Panel: Sinonasal and Skull Base Surgery: Pushing the Frontiers	718A
	Proffered Papers: Best of Clinical I	701B
	Proffered Papers: Robotics I	714
	Proffered Papers: Thyroid/Parathyroid I	716
	Proffered Papers: Outcomes	801

Schedule at a Glance

Sunday (continued)

TIME	EVENT	LOCATION
	LUNCH WITH THE PROFESSORS	
	Behavioral Risk Factors for Head and Neck Cancer	705
	Extent of Surgery in Thyroid Cancer	707
	NCCN Guidelines	709
12:30 - 13:30	**Skull Base Imaging for the Endoscopic Surgeon**	711
	Thyroid and Parathyroid Imaging	715A
	Tumor Board: Melanoma	715B
	Tumor Board: Nasopharyngeal Carcinoma	717A
	Tumor Board: Oral Cavity	717B
	PANELS OR PROFFERED PAPERS	
	Panel: Assessment of the Neck-Sentinel Node Lymphiscintigraphy and Ultrasound	718B
	Panel: Parathyroid Surgery	718A
13:45 - 15:15	**Panel: Swallowing and Rehabilitation of the Head and Neck Cancer Patient**	701A
	Proffered Papers: Best of Basic Science	701B
	Proffered Papers: Robotics II	714
	Proffered Papers: Systemic Therapy/Metastasis	716
	Proffered Papers: Nasopharynx	801
15:15 - 15:45	**AFTERNOON BEVERAGE BREAK**	Exhibit Hall F
	PANELS OR PROFFERED PAPERS	
	Panel: Head and Neck Cancer Care: Challenges in the Developing World	701A
	Panel: Imaging and Head and Neck Cancer: Assessment after Treatment	718A
15:45 - 17:15	**Panel: Salivary Gland Malignancy**	718B
	Proffered Papers: Oropharynx I	701B
	Proffered Papers: Larynx/Hypopharynx	714
	Proffered Papers: Tumor Immunology/Virology	716
	Proffered Papers: Reconstruction I	801
17:30 - 18:30	**POSTER PREVIEW SESSION WITH GRADING**	Exhibit Hall E
18:30 - 20:30	**INTERNATIONAL WELCOME RECEPTION**	Exhibit Hall F

Monday-at-a-Glance

TIME	EVENT	LOCATION
06:15 - 08:00	**INTUITIVE SURGICAL EDUCATIONAL SYMPOSIUM: "The Role of da Vinci TORS in the Multi-Disciplinary Treatment of Head & Neck Cancer"**	718A
07:30 - 09:00	**JATIN P. SHAH SYMPOSIUM ON CLINICAL CONTROVERSIES IN HEAD AND NECK CANCER: PAPILLARY THYROID CANCER**	Exhibit Hall G
09:00 - 09:30	**AHNS AWARDS CEREMONY**	Exhibit Hall G
09:30 - 10:15	**AHNS PRESIDENTIAL ADDRESS & HONORS: The Care of the Head and Neck Cancer Patient is a Team Sport**	Exhibit Hall G
10:00 - 16:00	**EXHIBIT HALL OPEN AND POSTER VIEWING**	Exhibit Halls E&F
10:15 - 10:45	**MORNING COFFEE BREAK**	Exhibit Hall F
	PANELS OR PROFFERED PAPERS	
	Panel: The Current Management of Melanoma: A Multi-Disciplinary Approach	718A
	Panel: The Evolving Role of Induction Chemotherapy	718B
10:45 - 12:15	**Panel: Therapy for Refractory Thyroid Cancer**	701A
	Proffered Papers: Basic Science	701B
	Proffered Papers: New Therapeutic Targets I	714
	Proffered Papers: Oropharynx II	716
	Proffered Papers: Skull Base	801

Schedule at a Glance

Monday (continued)

TIME	EVENT	LOCATION
12:30 - 13:30	**LUNCH WITH THE PROFESSORS**	801
	Employing Targeted Therapies in a Clinical Setting	703
	The Epidemiology of Head and Neck Cancer	705
	Functional Imaging	707
	Management of Combined Modality Toxicities	709
	NCCN Guidelines and Medical Oncology Therapeutics	711
	Putting the Personal Back in Personalized Cancer Therapy: A Physician's Experience as a Head and Neck Cancer Patient	715A
	Reducing Morbidity in Endoscopic Skull Base Procedures	715B
	Tumor Board: Pharynx/Larynx	717A
	Tumor Board: Thyroid Neoplasms	717B
13:45 - 15:15	**PANELS OR PROFFERED PAPERS**	
	Panel: Concurrent Chemoradiotherapy: Controversies Regarding Drug Choice and Radiation Technique	718B
	Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications	718A
	Panel: Targeted Therapies in Head and Neck Cancer	701A
	Proffered Papers: Sentinel Node/N0 Neck	701B
	Proffered Papers: Genomics I	714
	Proffered Papers: Risk Factors/Cancer	716
	Proffered Papers: Salivary Gland	801
15:15 - 15:45	**AFTERNOON BEVERAGE BREAK**	Exhibit Hall F
15:45 - 17:15	**PANELS OR PROFFERED PAPERS**	
	Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS	718A
	Panel: Quality Improvement in Head and Neck Cancer Care	701A
	Panel: Systemic Therapy for Rare Head and Neck Cancers	718B
	Proffered Papers: Reconstruction II	701B
	Proffered Papers: Basic Science: Animal Models	714
	Proffered Papers: Cancer Screening/Detection	716
	Proffered Papers: Potpourri	801
17:30 - 19:00	**POSTER SESSION WITH WINE AND CHEESE**	Exhibit Hall E

Tuesday-at-a-Glance

TIME	EVENT	LOCATION
08:00 - 08:45	**KEYNOTE LECTURE: Prevention of Cancers Caused by Infections**	Exhibit Hall G
08:45 - 09:15	**KEYNOTE LECTURE: Health Care in the New World: Quality as a Core Business Strategy**	Exhibit Hall G
09:15 - 10:00	**HAYES MARTIN LECTURE: Surgical Margins in the Genomic Era**	Exhibit Hall G
10:00 10:30	**MORNING COFFEE BREAK**	Exhibit Hall F
10:00 - 13:30	**EXHIBIT HALL OPEN AND POSTER VIEWING**	Exhibit Halls E&F
10:30 - 12:00	**PANELS OR PROFFERED PAPERS**	
	Panel: Current Management of Oral Cavity Cancer	718A
	Panel: Nasopharyngeal Cancer	718B
	Panel: New Approaches in Radiation Therapy	701A
	Proffered Papers: Oropharynx/HPV	717
	Proffered Papers: Cancer Stem Cells/Microenvironment	714
	Proffered Papers: Epidemiology	716
	Proffered Papers: Best of Clinical II	701B

Schedule at a Glance

Tuesday (continued)

TIME	EVENT	LOCATION
12:15 - 13:15	**AHNS Business Meeting for Members**	Exhibit Hall G
12:15 - 13:15	**Free Attendee Lunch**	Exhibit Hall F
13:30 - 15:00	**PANELS OR PROFFERED PAPERS**	
	Panel: Management of Oropharyngeal Cancer	718A
	Panel: Special Topics in Radiation Therapy	718B
	Panel: Targeted Therapeutics and Translational Research	701A
	Proffered Papers: Functional Imaging	714
	Proffered Papers: Oral Cavity I	716
	Proffered Papers: Thyroid	701B
	Proffered Papers: Basic Science-Invasion/Metastasis	717
15:00 - 15:30	**AFTERNOON BEVERAGE BREAK**	700 Foyer
15:30 - 17:00	**PANELS OR PROFFERED PAPERS**	
	Panel: Adjuvant Radiation Therapy After Surgery	718B
	Panel: Challenges in Head and Neck Reconstruction: Now and the Future	701A
	Panel: Current Challenges in the Management of Pharynx and Larynx Cancer	718A
	Proffered Papers: Radiotherapy	701B
	Proffered Papers: Oral Cavity II	714
	Proffered Papers: Quality/Outcomes	716
	Proffered Papers: New Therapeutic Targets II	717
19:00 - 21:00	**AHNS PRESIDENTS RECEPTION**	Hockey Hall of Fame

Wednesday-at-a-Glance

TIME	EVENT	LOCATION
07:45 - 08:00	**CLOSING COMMENTS**	Exhibit Hall G
08:00 - 08:30	**NEW YORK HEAD & NECK SOCIETY LECTURE: Cancer Metabolism Back to the Future**	Exhibit Hall G
08:30 - 09:00	**MILTON J. DANCE, JR. LECTURE: Optimizing Functional and Esthetic Results of Segmental Mandibular Defect**	Exhibit Hall G
09:00 - 09:30	**MORNING COFFEE BREAK**	700 Foyer
09:30 - 11:00	**PANELS OR PROFFERED PAPERS**	
	Panel: Head and Neck Cancer Genomics: Implications for Therapy	701A
	Panel: Management of the Neck: New and Emerging Issues	718A
	Panel: The Science of HPV	718B
	Proffered Papers: Thyroid/Parathyroid II	701B
	Proffered Papers: Larynx	714
	Proffered Papers: Reconstruction III	716
	Proffered Papers: Imaging	717
11:00 - 12:30	**PANELS OR PROFFERED PAPERS**	
	Panel: Immunotherapeutic Strategies for Head and Neck Cancer	718B
	Panel: Management of the Head and Neck Surgical Career	701A
	Panel: Robotics in Head and Neck Cancer Surgery	718A
	Proffered Papers: Outcomes/Quality of Life	714
	Proffered Papers: Epigenetics	716
	Proffered Papers: Genomics II	717
	Proffered Papers: Oral Cavity III	701B

DIDACTIC SESSION: 709
HANDS-ON SKILL SESSION: 801

08:00 - 16:30

ACS Exported Ultrasound Course – Thyroid/Parathyroid

Course Chairs: Robert Sofferman, MD & David J. Terris, MD

Physics and Principles of Head/Neck Ultrasound

After completion of this block, the surgeon should be able to:

- Select appropriate equipment for the head/neck ultrasound;
- Summarize general physics and principles of head/neck ultrasound;
- Adjust ultrasound settings for head/neck ultrasound.

Scanning Techniques and Normal Head/Neck Ultrasound Anatomy

After completion of this block, the surgeon should be able to:

- Describe the indications and goals for diagnostic head/neck ultrasound;
- Describe the various positions of the patient, the examiner, and the ultrasound equipment for optimal performance of a diagnostic head/neck ultrasound;
- Demonstrate the technique for performance of a diagnostic head/neck ultrasound;
- Recognize the normal sonographic anatomy of the head/neck.

Head/Neck Ultrasound Interpretation

After completion of this block, the surgeon should be able to:

- List and define the characteristics used to classify sonographically detected head/neck lesions as pathologic and/or benign versus malignant;
- Identify ultrasonographically detectable pathologies of the head/neck;
- Categorize head/neck masses according to their sonographically detected characteristics.

Interventional Head/Neck Ultrasound

After completion of this block, the surgeon should be able to:

- Describe the equipment required for performing interventional head/neck ultrasound procedures;
- Describe the various positions of the patient used to perform interventional head/neck ultrasound procedures;
- Describe the indications for ultrasound-guided FNA biopsy of head/neck lesions;

- Describe the risks of interventional head/neck ultrasound procedures and measures to help avoid those risks;
- Demonstrate satisfactory performance of an ultrasound-guided FNA biopsy using a phantom model;
- Describe the procedure so that a patient can be fully informed about the risk and alternatives.

08:00 - 12:30 Didactic Session

08:00 - 08:10	**Introduction –**	**David J. Terris, MD**
08:10 - 08:40	**Anatomy and Comparative Ultrasound –**	**David L. Steward, MD**
08:40 - 09:30	**Physics and Principles of Ultrasound –**	**Brendan C. Stack, Jr., MD**
09:30 - 10:45	**Interpretation Thyroid and Parathyroid Ultrasound –**	**Robert A. Sofferman, MD**
10:45 - 11:00	**Coffee Break**	
11:00 - 11:45	**Interventional Ultrasound –**	**Lisa A. Orloff, MD**
11:45 - 12:15	**Interpretation General Head and Neck Ultrasound –**	**Robert A. Sofferman, MD**
12:00 - 13:00	**Box Lunch**	
12:15 - 12:30	**Hurdles in Development of Office-Based Ultrasound –**	**Lisa A. Orloff, MD**

13:00 - 16:30 Hands-On Skill Session

Faculty: Kevin T. Brumund, MD, Salvatore M. Caruana, MD, Jeremy L. Freeman, MD, David P. Goldstein, MD, Kevin M. Higgins, MD, Robert J. Hekkenberg, MD, Marc J. Levine, MD, Lisa A. Orloff, MD, Gregory W. Randolph, MD, Maisie L. Shindo, MD, Michael C. Singer, MD, Robert A. Sofferman, MD Brendan C. Stack, Jr., MD, David L. Steward, MD, David J. Terris, MD and Ian Witterick, MD

ACCREDITATION

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AMA CREDIT DESIGNATION

The American College of Surgeons designates this live activity for a maximum of *7 AMA PRA Category 1 Credits™.*

Physicians should claim only the credit commensurate with the extent of their participation in the activity.

[SURG]

The American College of Surgeons acknowledges contributions in-kind in support of this session from
GE Healthcare
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09:00 - 10:00

Instructional Courses #1

701A Assessment of Treatment Response After Chemoradiotherapy

Instructors: Douglas B. Chepeha, MD and John Waldron, MD

This course will review the principles of response assessment following radiation and chemotherapy. A review of the role of tools for the assessment of treatment response will be presented. A discussion of differences in response assessment based on primary site and neck pre/post treatment risk factors.

At the conclusion of this session, participants will be able to:

1. Understand the principles of response assessment post radiation or chemotherapy;
2. Be aware of approaches to response assessment;
3. Understand the potential impact of pre/post treatment prognostic indicators on response assessment;
4. Appreciate the differences in response assessment for different primary sites in the head and neck cancer patient.

[RADONC]

715 Identifying and Treating Tobacco Abuse in Cancer Patients

Instructors: Maher A. Karam-Hage, MD

This session will review the basic neurobiology of nicotine dependence, discuss treatment alternatives, including those that can be implemented in an oncology practice and review expected treatment outcomes in a comprehensive tobacco treatment program.

At the conclusion of this session, participants will be able to:

1. Understand the basic neurobiology of nicotine dependence;
2. Understand the best practices related to smoking cessation counseling and pharmacotherapy;
3. Understand the importance of detecting and addressing alcohol abuse comorbidity in smoking cessation.

[REHAB/QOL]

701B The Management of Dysphagia in the Head and Neck Cancer Patient

Instructors: Giselle D. Carnaby-Mann, PhD and Susan E. Langmore, PhD, CCC-SLP

This session will address novel preventative and rehabilitation approaches to dysphagia intervention over the trajectory of Head neck cancer survivorship.

At the conclusion of this session, participants will be able to:

1. Describe the trajectory of swallowing deficits resulting from HNC treatment and identify optimum times to intervene;

2. Describe the role of exercise based interventions in preventing dysphagia from HNC and relative benefit to patients;
3. Gain insight into benefits of active intervention forms for post treatment swallowing rehabilitation and barriers to compliance.

[REHAB/QOL]

718A New Technologies and Developments in Head and Neck Reconstruction

Instructors: R. Bryan Bell, MD and Neal D. Futran, MD

As modern reconstructive methods for head and neck defects have become more reliable, refinements focus on our ability to maximally restore speech swallowing and cosmesis. The objective of this course is to identify and describe new methods and tools developed to enhance and optimize these outcomes.

At the conclusion of this session, participants will be able to:

1. Describe current methods of head and neck reconstruction;
2. Identify new technologies to enhance patient outcomes and aid in surgical technique;
3. Identify those patients which would benefit from new technologies versus conventional technologies;
4. Understand the surgical technique involve with each technology and development.

[SURG]

718B Parathyroid Disease

Instructors: Lorne E. Rotstein, MD and Ashok R. Shaha, MD

This instruction course will discuss the issues related to medial evaluation and surgical management of hyperparathyroidism. It will also focus on localization studies, intraoperative decision making, quick PTH and long term follow-up. The course will be interactive with the audience, with ample time for discussion.

At the conclusion of this session, participants will be able to:

1. Determine appropriate evaluation of hyperparathyroidism;
2. Understand the best preoperative localization of hyperparathyroidism;
3. Understand the role of intraoperative PTH and radio guided surgery;
4. Understand the treatment approaches to re-explorative parathyroidectomy;
5. Understand the best management of parathyroid carcinoma.

[SURG]

716 Salivary Endoscopy: Applications and Outcomes

Instructors: David W. Eisele, MD and M. Boyd Gillespie, MD

The participant will gain insight into the indications and techniques for salivary endoscopy, as well as an understanding of the salivary disorders most likely to benefit from the procedure.

At the conclusion of this session, participants will be able to:

1. Describe the role of salivary endoscopy in the management of benign salivary disorders;
2. Recognize salivary disorders that may benefit from treatment with salivary endoscopy;
3. Gain insight with regard to the tools and training required to start a salivary endoscopy practice.

[SURG]

AHNS acknowledges generous educational grants in support of this course from Karl Storz Endoscopy-America.

714 Update on ATA/NCCN Guidelines for Thyroid Cancer

Instructors: John A. Ridge, MD, PhD and David L. Steward, MD

The presenters will update the audience on recent thyroid cancer guidelines from the American Thyroid Association (ATA) and National Comprehensive Cancer Network (NCCN). Discussion will include illustrative cases.

At the conclusion of this session, participants will be able to:

1. Describe ATA thyroid cancer guidelines relevant to the head and neck surgeon;
2. Describe NCCN thyroid cancer guidelines relevant to the head and neck surgeon;
3. Describe indications for neck dissection in papillary thyroid cancer;
4. Describe strategies to reduce morbidity of neck dissection for thyroid cancer.

[GUIDE]

717 Working with National Databases

Instructors: Amy Y. Chen, MD and Louise Davies, MD

Learn which national databases are available and to answer questions of interest to head & neck surgeons. We will cover pros and cons of various databases for answering specific hypothesis-driven questions, and review how to access these resources.

At the conclusion of this session, participants will be able to:

1. Identify the major cancer data sources available in the U.S.;
2. Understand the strengths and weaknesses of the data sources;
3. Craft potential research questions which might be posed using the databases.

[HEALTH]

10:00 - 10:30 **Morning Coffee Break** 700 FOYER

10:30 - 11:30 **Instructional Courses #2 –**

717 Biomarkers and Signature Therapeutics: Integrating into Clinical Practice

Instructors: Lisa Licitra, MD and Fei-Fei Liu, MD

This session will present and discuss the state of the art of biomarkers in head and neck cancer. This will include biomarkers that can be used to predict treatment outcome with conventional chemo and radiation but also new targeted agents. It will also discuss the problems related to their use in prospective studies.

At the conclusion of this session, participants will be able to:

1. Describe relevant prognostic and predictive biomarkers;
2. Recognize the barriers of their use in prospective studies;
3. Have a flavor of future research in this field.

[RESEARCH]

718B Cutaneous Melanoma of the Head and Neck: The State-of-the-Art

Instructors: Carol R. Bradford, MD and Jesus E. Medina, MD

Twenty percent of all melanomas originate in the head and neck region, and the incidence of this neoplasm continues to increase. This session will offer a comprehensive discussion of current issues in epidemiology and prevention; diagnosis, staging, and prognostic factors; management of the N0 neck, sentinel node biopsy, management of the N+ neck and the role of postoperative radiation and adjuvant systemic therapy.

At the conclusion of this session, participants will be able to:

1. Understand current issues in the epidemiology of melanoma and apply them to educate patients about prevention;
2. Conduct a proper diagnostic evaluation, staging, and assessment of prognostic factors in patients with melanomas of the head and neck;
3. Make evidence based recommendation to melanoma patients regarding the management of the N0 neck, the N positive neck, as well as about the role of postoperative radiation and adjuvant systemic therapy.

[SURG]

715 Epidemiology, Biology and Detection of HPV in Head and Neck Cancer

Instructors: Sara I. Pai, MD, PhD and William H. Westra, MD

The incidence of HPV-related head and neck cancers continue to rise. This session will discuss the prevalence rates of HPV infection in males, discuss advances in our understanding of the biology of HPV infection within the tonsils, review controversies in the diagnostic testing of

HPV in head and neck cancer, as well as discuss the role of vaccines in managing HPV-related diseases.

At the conclusion of this session, participants will be able to:

1. Discuss the prognostic impact of tumor HPV status;
2. List the various ways to detect HPV DNA in clinical samples;
3. Understand the environment within the tonsils and base of tongue which facilitates HPV infection and tumor growth;
4. List the differences between prophylactic and therapeutic vaccines.

[RESEARCH]

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714 Integration of Quality Improvement and Safety Monitoring into Surgical Practice

Instructors: Amy C. Hessel, MD and Randal S. Weber, MD

This session is designed to discuss the origins of the quality and safety in the current era of medicine; and discuss its role in a busy surgical practice. The content will include a discussion on the design and institution of quality improvement projects which can be used to streamline care, improve efficiency and reduce errors and waste.

At the conclusion of this session, participants will be able to:

1. Understand of the origin of the quality and safety movement in medicine;
2. Identify quality improvement projects as a form of rapid turnover process management that will optimize care and reduce waste;
3. Understand how to quality and safety projects and be used to monitor performance at an institutional, departmental and individual level.

[GUIDE]

701A Management of Pre-Malignant Lesions of the Head and Neck

Instructors: William M. Lydiatt, MD and Karen T. Pitman, MD

This course will present an overview of pre-malignant lesions of the head and neck from etiology to management and prevention.

At the conclusion of the session, participants will be able to:

1. Define 3 methods to assess mucosal lesions of the head and neck with malignant potential;
2. Develop treatment strategies for a variety of pre-malignant lesions of the head and neck;
3. Explain 4 technologies or methods to enhance clinical examination of pre-malignant lesions of the head and neck.

[SURG]

701B New Developments and Innovative Approaches in Speech and Swallowing Rehabilitation

Instructors: Cathy L. Lazarus, PhD, Bonnie Martin-Harris, PhD and Timothy M. McCulloch, MD

This instructional course will highlight current clinical research with innovative approaches to predicting patterns of impairment, identifying physiologic targets for treatment, and measuring the effects of treatment methods. Novel approaches to determine the underlying mechanisms of functional impairment and receptivity to treatment will be presented.

At the conclusion of this session, participants will be able to:

1. Identify the physiologic mechanisms that underlie impaired speech and swallowing function following head and neck cancer treatment;
2. Discuss the clinical relevance and current evidence for predictive models of speech and swallowing recovery;
3. List new technologies used in evaluation and treatment planning.

[REHAB/QOL]

716 Robotic Surgery for Oropharyngeal and Laryngeal Cancer

Instructors: Tamer Abdel-Halim Ghanem, MD, PhD and J. Scott Magnuson, MD

This is an interactive, case-based course to describe basic as well as advanced topics related to TORS for oropharyngal and supraglottic SCCA. Indication, techniques, outcomes, and complications of TORS will be described.

At the conclusion of this session, participants will be able to:

1. List standard indications for TORS;
2. Describe advantages and limitations of TORS;
3. Become familiar with TORS techniques for resection of oropharyngeal and supraglottic cancers.

[SURG]

718A State-of-the-Art in Mandibular and Maxillary Reconstruction

Instructors: Ralph W. Gilbert, MD and Theodoros N. Teknos, MD

Reconstruction of the mandible and maxilla continues to be an area of challenge and opportunity for head and neck reconstructive surgeons. This course will review the current options and controversies in maxillary and mandibular reconstruction through a case based interactive format.

At the conclusion of this session, participants will be able to:

1. Describe the current indications and options in maxillary reconstruction;
2. Describe the classification systems of maxillary defects;

3. Describe the current options for mandibular reconstruction;
4. Describe the current options for condylar reconstruction in an extended mandibular resection.

[SURG]

13:00 - 14:00

Instructional Courses #3

715 Current Use of HPV Status in the Clinic and Future Directions in HPV Research

Instructors: Robert I. Haddad, MD and Harry Quon, MD

Review HPV related Oropharynx cancer, incidence, epidemiology and current and future directions in management. Review currently ongoing clinical trials in HPV related Oropharynx cancer.

At the conclusion of this session, participants will be able to:

1. Recognize HPV related Head and Neck Cancer and be able to contrast it with HPV unrelated head and neck cancer;
2. Diagnose HPV related Oropharynx Cancer;
3. Understand management implications related to the management of HPV-associated oropharynx cancer.

[RESEARCH]

701B Head and Neck Survivorship Programs: Considerations and Challenges

Instructors: Maurene McQuestion, RN and G. Jolie Ringash, MD

Survivorship programs have frequently evolved around common cancers such as breast cancer. Applying survivorship concepts to the head and neck cancer population requires recognition of different demographic, socioeconomic, and treatment-related issues in our patients. We will share our experience of researching survivorship in the head and neck cancer field, and the first steps we have taken in establishing a formal head and neck cancer survivorship program at the Princess Margaret Hospital.

At the conclusion of this session, participants will be able to:

1. Understand definitions and concepts of cancer survivorship;
2. Outline special needs, considerations and barriers in head and neck cancer patients;
3. Discuss possible models for delivery of survivorship care.

[REHAB/QOL]

717 Immunology/Immunotherapy in Head and Neck Cancer

Instructors: Thomas K. Hoffmann, MD and John H. Lee, PhD

Since the introduction of anti-EGFR antibodies the potential of immunotherapy in HNSCC became visible.

Basics of immunology, immunotherapeutical approaches and current trials will be presented and evaluated in order to allow the development of various approaches in translational research.

At the conclusion of this session, participants will be able to:

1. Understand the basics in immunology and immune suppression in HNSCC;
2. Describe the current immunotherapeutical approaches and trials;
3. Develop new approaches in translational research;
4. Cooperate with interested individuals in the audience.

[RESEARCH]

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714 Maintenance of Certification: A Lifelong Learning and Practice Improvement Program for Head and Neck Surgeons

Instructor: Robert H. Miller, MD

Maintenance of Certification is an ABMS program designed to improve patient care through lifelong learning, physician knowledge self-assessment, and practice assessment and improvement. The basis for and the processes that constitute MOC will be reviewed as well as new components that are being introduced in 2012.

At the conclusion of this session, participants will be able to:

1. Understand the need for and theory behind MOC;
2. Understand the MOC process;
3. Understand how MOC will contribute to improved patient care.

[GUIDE]

701A New Developments in Systemic Therapy

Instructors: A. Dimitrios Colevas, MD and Merrill S. Kies, MD

We will update the audience on the present state of clinical trials for patients with SCCHN. The integration of conventional as well as investigational agents into treatment plans will be discussed. We also will consider the spectrum of early and promising phase 1 and 2 studies.

At the conclusion of this session, participants will be able to:

1. Understand the outcome of recent pivotal trials conducted with new systemic agents and how to apply these outcomes to clinical practice;
2. Understand the scientific rationale for the clinical development of a series of promising new investigational agents;
3. Describe the clinical trials underway with these new agents;
4. Describe how, on an ongoing basis, to determine the status of trials, eligibility criteria, and how to enroll patients on appropriate studies.

[MEDONC]

718A State-of-the-Art in Pharyngoesophageal and Tracheal Reconstruction

Instructors: Isaac A. Bohannon, MD, Pierre R. Delaere, MD, PhD and Eben L. Rosenthal, MD

This course will review 1) the various techniques to close the pharynx after laryngectomy or laryngopharyngectomy including the various flaps that are commonly used for this purpose, 2) discuss the indications and techniques for tracheal reconstruction.

At the conclusion of this session, participants will be able to:

1. List several flap reconstruction options for the reconstruction of laryngectomy and pharyngolaryngectomy defects;
2. Describe indications for use of free, regional, or local flaps for reconstruction of pharyngeal and laryngectomy defects;
3. Describe indications for use of free flaps for reconstruction of tracheal defects;
4. Provide a practical approach to the reconstruction of acquired airway wall defects.

[SURG]

718B Thyroid Cancer: Early and Advanced

Instructors: Gregory W. Randolph, MD and Alfred A. Simental, MD

We will attempt to describe preoperative assessment, pre-surgical considerations, surgical approach, and post-operative management and surveillance. This will be followed by a few case presentations and welcome discussion from the audience.

At the conclusion of this session, participants will be able to:

1. Understand the reasons for preoperative assessment of thyroid cancers;
2. Describe standard treatment for thyroid malignancy;
3. Understand and describe types of adjuvant therapy and their indications for treatment of patients with thyroid cancer;
4. Describe methods of surveillance and their proper implementation.

[SURG]

716 Transoral Laser Surgery for the Pharynx and Larynx

Instructors: Michael L. Hinni, MD and Carsten E. Palme, MD

Most primary cancers of the pharynx and larynx can be removed by a transoral laser approach. Pulling from robust experiences and using case examples, the authors will demonstrate instrumentation, technique, pearls for exposure as well as the functional and oncologic outcomes that can be realized by embracing this concept.

At the conclusion of this session, participants will be able to:

1. Identify which patients may be eligible for transoral laser surgery;
2. Describe advantages and technique of margin mapping;
3. Describe functional improvements that can be realized following transoral surgery.

[SURG]

AHNS acknowledges a generous educational grant in support of this course from Karl Storz Endoscopy-America.

14:00 - 15:00

INSTRUCTIONAL COURSES #4

714 Earlier Integration of Palliative Care into the Management of the Patient with Recurrent or Advanced Head and Neck Cancer

Instructors: Eduardo Bruera, MD and Gary M. Rodin, MD

We will describe the potential advantage and the strategy to improve the integration between head and neck oncologists and supportive/palliative care groups.

At the conclusion of this session, participants will be able to:

1. Recognize clinical situations where early Palliative Care referral is useful;
2. Assess physical and emotional distress in patients;
3. Develop skills for interacting with Palliative Care Team;
4. Understand physical and psychosocial palliative interventions in this population.

[REHAB/QOL]

701A Imaging: Current Guidelines and Standards and Future Developments

Instructors: Yoshimi Anzai, MD and Nafi Aygun, MD

Rapid technological improvements and addition of new imaging tools make it necessary to update the imaging standards frequently. We will describe the current ACR (American college of Radiology) guidelines for imaging of the head and neck cancer for different anatomic sites. We will also discuss new imaging methods on the horizon that can potentially impact on diagnosis and treatment of head and neck cancer.

At the conclusion of this session, participants will be able to:

1. Discuss the advantages and disadvantages of MRI, CT and PET in diagnosis of head and neck cancer in different neck subsites;
2. Describe the advantages and disadvantages of MRI, CT and PET in evaluation of treatment response in head and neck cancer;
3. Recognize pitfalls of conventional imaging and develop a plan to implement new imaging methods in their practices.

[RAD]

715 Management of Salivary Gland Malignancy

Instructors: Dennis H. Kraus, MD and Nitin A. Pagedar, MD

Participants will be exposed to epidemiology, work-up, surgical consideration and adjuvant therapy as it relates to salivary gland malignancy. Upon completion of the course they should be conversant in the controversies regarding neoplastic processes of the salivary glands.

At the conclusion of this session, participants will be able to:

1. Cite the incidence of salivary gland malignancy and salivary gland neoplasms;
2. Identify appropriate preoperative work-up of patients with suspected salivary gland neoplasm;
3. Elucidate surgical considerations as it relates to the primary tumor, the facial nerve, the neck and appropriate reconstruction;
4. Describe the potential adjuvant therapy as it relates electron, neutron and proton radiation.

[SURG]

718B Non-Melanoma Skin Cancer: Medical Therapies, Surgery and Reconstruction

Instructors: Gideon Bachar, MD and Richard J. Wong, MD

Non-melanoma skin cancer (NMSC) is the most common malignancy worldwide. Accurate diagnosis and appropriate management of NMSC is often delayed, contributing to advanced disease at presentation and worse outcomes. Optimal outcomes for advanced NMSC are dependent on a multidisciplinary approach with the active participation of various medical specialists. This instructional course will highlight controversies and pitfalls in the management of advanced skin cancer, nodal metastases from skin cancer, ablative and reconstructive surgical techniques, and multimodality treatment. Case report discussions are included to help implement the acquired knowledge. The course is relevant to both residents and specialists working in the field of otolaryngology, maxillofacial surgery, plastic surgery, dermatology and fellows in training for head and neck oncology and surgery. This presentation will focus on recent advances in the diagnosis and treatment of head and neck skin cancer.

At the conclusion of this session, participants will be able to:

1. To highlight the difference in the biological behavior and management of various skin cancers (SCC vs. BCC vs. MERKEL vs. adnexal);
2. To describe the extent of surgical resection and importance of margin status;
3. To report on the role for sentinel node mapping for non-melanoma skin cancers;
4. To describe the challenges and management of advanced non-melanoma skin cancer- (i.e. – large nasal lesions requiring rhinectomy and periorbital lesions invading the orbit);

5. To elaborate on the management of nodal metastases for aggressive non-melanoma skin cancers, and to describe the roles of elective vs. therapeutic nodal dissections;
6. To understand the value of radiation therapy and chemoradiation therapy in the management of selected advanced non-melanoma skin cancers;
7. To describe a practical reconstruction ladder for various sites in the head and neck region.

[SURG]

701B Practical Use of Patient Reported Outcomes in Day-to-Day Clinical Care

Instructors: David P. Goldstein, MD and Barbara A. Murphy, MD

This program will discuss the concept of screening including the pre-requisites for a good screening tool. The use of screening tools for assessment of symptoms or medical complications will be discussed. Theoretical benefits to screening for symptoms in the head and neck cancer population will be discussed. The current literature regarding screening for symptoms in the head and neck cancers population will be reviewed. Gaps in the literature will be identified. New directions for research studies will be defined.

At the conclusion of this session, participants will be able to:

1. Define the concept of screening and how it may apply to symptoms and functional deficits;
2. To discuss the theoretical benefit of symptom screening in head and neck cancer patients;
3. To understand the state of the science with regards to symptom screening in head and neck cancer patients;
4. To understand the gaps in our knowledge and steps that must be taken to address these gaps.

[REHAB/QOL]

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716 Robotic Thyroidectomy

Instructors: Yoon Woo Koh, MD and Ralph P. Tufano, MD

In this session, we introduce the basic concepts and surgical techniques of robotic thyroidectomy and robot-assisted neck dissection.

At the conclusion of this session, participants will be able to:

1. Make the transaxillary incision, place the self-retractor, and secure the working space;
2. See and learn how to identify the recurrent laryngeal nerve and the parathyroid glands and secure those structures;
3. The contralateral thyroidectomy via a single axillary approach will be taught;
4. Understand the surgical anatomy and the feasibility of our surgical technique to hide the external scar of neck;
5. Dissection using the robotic system via a tarnsaxillary approach or transaxillary and retroauricular (TARA) approach.

[SURG]

717 Setting Up and Running Multicenter Randomized Trials

Instructors: Barbara A. Burtness, MD and John A. Ridge, MD, PhD

Randomized trials represent an important standard in defining new or improved ways to provide care. This session will consider the design and conduct of randomized trials in head and neck cancer.

At the conclusion of this session, participants will be able to:

1. Identify barriers to the design and execution of clinical trials;
2. Understand the trial-development process and benefits from entering patients on research protocols;
3. Identify pitfalls in clinical trial development.

[RESEARCH]

718A Skull Base Surgery: Open and Endoscopic Approaches (2-hour course)

Instructors: Derrick T. Lin, MD, Pierro Nicolai, MD, Carl H. Snyderman, MD and Ian J. Witterick, MD

This instruction course will focus on the surgical management of sinonasal cancers using open and endoscopic skull base approaches. The current state of knowledge and best practices for specific tumor types will be addressed.

At the conclusion of this session, participants will be able to:

1. Recall the indications and limitations of open and endoscopic skull base approaches;
2. Develop a treatment algorithm for specific sinonasal malignancies;
3. Describe the surgical steps of open and endoscopic approaches to the skull base;
4. Describe reconstructive methods for anterior skull base defects.

[SURG]

AHNS acknowledges generous educational grants in support of this course from Karl Storz Endoscopy-America.

15:00 - 15:30 **Afternoon Beverage Break** 700 FOYER

15:30 - 16:30

Instructional Courses #5

701B Current Measures of Swallowing Function: What Are They? What Do They Mean?

Instructors: Andrew Hope, MD and Rosemary Martino, MSc, PhD

By way of literature review and patient examples, this session will address the various effects of surgical, radiation and chemotherapy treatments on dysphagia and how these effects can be measured.

At the conclusion of this session, participants will be able to:

1. Describe the effect on swallowing, both acute and chronic, following treatments such as surgery, radiation, or chemotherapy;
2. Discuss how the effects on swallowing can be prevented or at least reduced by modifying these cancer treatments;
3. Identify methods by which to measure the effects on swallowing using clinically feasible and psychometrically sound tools.

[REHAB/QOL]

717 Doing Research: Setting up a Clinical and Translational Research Program

Instructors: James W. Rocco, MD, PhD and Uttam K. Sinha, MD

Presenters will discuss the fundamental philosophy of conducting research in an academic setting that will impact the quality of patient care. Design and development of a fundable program will be described.

At the conclusion of this session, participants will be able to:

1. Assess the advantages of creating a multidisciplinary team approach to conduct clinical and translational research which will ultimately improve patient care;
2. Learn how to establish a successful research program in their clinical practice;
3. Identify the funding sources (federal, foundations and philanthropy) for development of a successful translational research program;
4. Learn strategic planning of peer recognition.

[RESEARCH]

715 Management of the Facial Nerve in Parotid Malignancy: Oncologic and Reconstructive Principles

Instructors: Hisham Mehanna, PhD and John Yoo, MD

The facial nerve is among the most important considerations in parotid surgery. This 1 hour course will provide participants with a comprehensive approach to the management of the facial nerve in parotid surgery. Topics will include preoperative evaluation, intra-operative surgical techniques and oncologic decision-making. The second half of the course will include a systematic

approach to reconstructive surgery; from traditional methods to novel approaches such as innervated free tissue transfers. Patient videos will augment the case-based format of this session and audience participation will be encouraged.

At the conclusion of this session, participants will be able to:

1. Understand the oncologic principles of parotid gland malignancies in order to enhance pre-operative and intra-operative decision-making;
2. Understand intraoperative techniques for facial nerve identification and preservation;
3. Understand the indications/contraindications of facial nerve resection;
4. Understand the complete spectrum of surgical options from immediate facial nerve repair to secondary reconstruction of the paralyzed.

[SURG]

718B Minimally Invasive Videoassisted Parathyroidectomy and Thyroidectomy

Instructors: Quan-Yang Duh, MD and Maisie L. Shindo, MD

To provide an overview of techniques and outcomes of videoassisted minimally invasive thyroidectomy and parathyroidectomy.

At the conclusion of this session, participants will be able to:

1. Understand basic techniques of minimally invasive videoassisted parathyroidectomy and thyroidectomy;
2. Become familiar with patient selection and contraindications;
3. Familiar with limitations, risks and complications of these procedures.

[SURG]

701A New Developments in IMRT and Proton Beam Therapy: Improving Outcomes and Decreasing Toxicity

Instructors: Steven J. Frank, MD and Sue S. Yom, MD, PhD

This course will cover new technological developments in head and neck radiation therapy including advances in the use and implementation of image guided radiation therapy and proton beam therapy.

At the conclusion of this session, participants will be able to:

1. Discuss the current state of cone beam CT development;
2. Incorporate IGRT into head and neck radiation therapy planning and delivery;
3. Understand the capability and applications of proton beam radiation therapy for head and neck malignancies;
4. Discuss potential improvements in quality of life and outcomes using IGRT and proton beam therapy.

[RADONC]

714 Robotic Surgery in Oropharyngeal Cancer

Instructors: Floyd "Chris" Holsinger, MD and Eric J. Moore, MD

Since transoral robotic head and neck surgery was approved by the FDA in 2009 for the treatment of T1-2 cancers of the oropharynx, there has been rapid dissemination of the technique. However, questions remain about patient selection, exposure and surgical anatomy, as well as post-operative management. With didactic materials, interactive case presentation and multimedia including video, we comprehensively review Robotic Surgery for Oropharyngeal Cancer.

At the conclusion of this session, participants will be able to:

1. Describe the role of transoral robotic head and neck surgery within the multidisciplinary paradigm of treatment for oropharyngeal cancer;
2. Describe the approach for transoral lateral oropharyngectomy, with attention to vascular anatomy, in order to minimize intra-operative and post-operative hemorrhage
3. Discuss patient selection for optimal post-operative functional and oncologic outcomes after robotic surgery for oropharyngeal cancer;
4. Discuss the management of the neck after transoral robotic head and neck surgery for oropharyngeal cancer.

[SURG]

716 Sentinel Lymph Node Biopsy: Indications, Technique and Pitfalls

Instructors: Francisco J. Civantos, MD and Sandro J. Stoeckli, MD

Sentinel Node Biopsy in early oral cancer has developed to a valuable alternative to elective neck dissection. For intermediate thickness melanoma the technique is accepted as standard of care. In this course the indications, current available technology and long-term results of major studies will be presented and discussed.

At the conclusion of this session, participants will be able to:

1. Understand the concept of sentinel node biopsy for oral cancer and melanoma;
2. Establish the technology at his/her department;
3. Select patients for the procedure;
4. Perform the procedures safely.

[SURG]

Scientific Session

Sunday, July 22, 2012

GENERAL SESSION

EXHIBIT HALL G

08:00 - 09:00 **Welcome and Opening Ceremonies**

President's Guest of Honor:
Charles J. Krause, MD
Conference Chair's Guest of Honor:
Eugene N. Myers, MD
Invocation by Rabbi Harvey Meirovich

09:00 - 09:45 **John J. Conley Lecture**

"Clinical and Personal Comparative Effectiveness"

Julie A. Freischlag, MD

The William Stewart Halsted Professor;
Chair, Department of Surgery; Surgeon-in-Chief,
The Johns Hopkins Hospital, Baltimore, Maryland

Introduction by Carol R. Bradford, MD, AHNS President

At the conclusion of this lecture, participants will be able to:

1. Understand the definitions of clinical effectiveness and efficacy;
2. Demonstrate the use of both in determining care for patients using abdominal aortic aneurysms as an example;
3. Understand the risk of burnout and depression and their causes as a surgeon and how to prevent them.

09:45 - 10:15 **Christoper O'Brien Lecture**

"Lymphatic Drainage from Cutaneous Malignancies of the Head and Neck: New Insights with Important Implications for Management"

John F. Thompson, MBBS, BSc (Med), MD, FRACS, FACS

Professor of Surgery (Melanoma and Surgical Oncology), University of Sydney and Head of Department, Melanoma and Surgical Oncology, Royal Prince Alfred Hospital, Camperdown, Australia

Introduction by Randal S. Weber, MD

At the conclusion of this lecture, participants will be able to:

1. Identify patients with cutaneous head and neck malignancies likely to benefit from pre-operative lymphoscintigraphy (with or without sentinel node biopsy);
2. Plan surgery and/or radiotherapy for individual patients on the basis of lymphatic mapping, to reduce nodal recurrence rates;
3. Use knowledge of the common and less common lymphatic drainage pathways to guide clinical and ultrasound follow up examination of node fields in patients who have not had pre-operative lymphoscintigraphy.

10:00 - 16:00 **Exhibit Hall Open** EXHIBIT HALL F

10:15 - 10:45 **Morning Coffee Break** EXHIBIT HALL F

10:45 - 12:15

Panels and Proffered Papers

701A Panel: Epigenetics in Head and Neck Cancer

Panel Moderator: Wayne M. Koch, MD

Panel presentation of recent advances in the appreciation and understanding of contributions of epigenetic alteration in the pathogenesis of head and neck cancer with particular focus on current clinical questions such as the difference between HPV related and unrelated HNSCC.

10:45	**A Genome Wide View of Aberrant DNA Methylation in HNSCC**	Thomas J. Belbin, PhD
11:00	**Integrating Epigenomic Data with Whole Genome Analysis**	Joseph A. Califano, III, MD
11:15	**DNA Methylation Landscapes in HPV Positive and Negative HNSCC**	Maria J. Worsham, MD
11:30	**Exploring Epigenetic Aspects of HPV+ve versus HPV-ve HNSCC**	Richard J. Shaw, MD
11:45	**Clinical Applications of Methylation Analysis in HNSCC**	Wayne M. Koch, MD
11:55	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Discuss the contribution of epigenomic alterations to the spectrum of alterations underlying HNSCC;
2. Compare the relative degree of promoter hypermethylation alterations in HPV and non-HPV related HNSCC;
3. Propose potential epigenomic targets for HNSCC treatment strategies;
4. Assess the potential clinical utility of methylation testing for management of HNSCC.

[RESEARCH]

718B Panel: Imaging and Head and Neck Cancer: Pretreatment Assessment and Evaluation

Panel Moderators: Val J. Lowe, MD and Brendan C. Stack, Jr., MD

This session will review the "state-of-the-art" concepts in pre-treatment imaging evaluation of head and neck cancer patients. An anatomy based approach to primary disease will be utilized.

10:45	**Introduction to Pre-Treatment Imaging for Head and Neck Cancer**	Brendan C. Stack, Jr., MD
10:50	**Oropharyngeal and Oral Cavity Cancer**	Lawrence E. Ginsberg, MD
11:05	**Laryngeal and Hypopharyngeal Cancer**	Hilda E. Stambuk, MD
11:20	**Sinonasal and Skull Base Cancer**	Laurie A. Loevner, MD
11:35	**Imaging to Appropriately Evaluate and Manage the Cervical Lymphatics**	Val J. Lowe, MD

At the conclusion of this session, participants will be able to:

1. Understand available imaging modalities to diagnose and stage head and neck cancer in its various anatomic sub sites and utilize them appropriately;
2. Understand the potential for imaging modalities to customize therapy to the individual patient;

3. Understand the potential for advanced imaging technology to accurately detect small volume disease which may help reduce treatment failures;
4. Understand that advanced imaging technology may help limit larger treatment volumes that have been done for prophylaxis or unknown primaries in the past.

[RAD]

718A Panel: Sinonasal and Skull Base Surgery: Pushing the Frontiers

Panel Moderators: Roberto L. Carrau, MD and Pierro Nicolai, MD

The panelists will address technical and technological advances and their impact on surgical training and education, as well as treatment planning and execution, in reference to malignancies affecting the skull base.

10:45	**New Technologies**	Allan D. Vescan, MD
11:00	**Techniques and Pitfalls: Cancer of the Sino-Nasal Tract**	Carl H. Snyderman, MD
11:15	**Techniques and Pitfalls: Malignancies of the Petro-Clival Junction**	Ziv Gil, MD, PhD
11:30	**Biological Profile of Different Lesions and Their Impact on Treatment Selection**	Ehab Y. Hanna, MD
11:45	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Recognize technological advances as adjuncts to learning and surgery
2. Anticipate and recognize the risks associated with skull base surgery for sinonasal malignancies
3. Anticipate and recognize the risks associated with skull base surgery for malignancies of the clivus, petroclival and craniocervical junctions
4. Recognize different pathological intricacies and how they affect the choice of treatment and outcomes.

[SURG]

701B Proffered Papers: Best of Clinical I

Moderators: Dale H. Brown, MD, Gary L. Clayman, MD and Kwang Hyun Kim, MD

10:45	**S001: Advanced Digital Planning for Head & Neck Reconstruction**; KA Andi, FDSRCS, FRCS, FHEAPgCert, MedEd, T Coward, MPhil, PhD, JP Jeannon, FRCS, M McGurk, MD, FDSRCS, FRCS; Guy's and St Thomas' NHS Foundation Trust
10:53	**S002: The Scapular and Latissimus Dorsi Free Flaps: The Real Workhorses for Complex Head and Neck Reconstruction**; Caroline A Banks, Eric J Lentsch, Terry A Day, Judith M Skoner; Medical University of South Carolina, Department of Otolaryngology - Head & Neck Surgery
11:01	**S003: IMRT Increases Medicare Cost in Head and Neck Cancer Patients: A SEER-Based Study**; Ali Razfar, MD, Jagmeet Mundi, MD, Tristan Grogan, MS, David Elashoff, PhD, Elliot Abemayor, MD, PhD, Maie St. John, MD, PhD; UCLA Department of Head and Neck Surgery
11:09	Discussion

11:15 **S004: Transaxillary Thyroidectomy: A Comparative Series of Robotic vs. Endoscopic**; Kimberley Kiong, MBBS, Hin Ngan Tay, MBBS, MRCSEdin, MMedORL, FAMSORL, Hiang Khoon Tan, MBBS, FRCSEd, FAMS, PhD, Chung Fai Jeremy Ng, MBBS, MMedSurg; Singapore General Hospital, National Cancer Centre Singapore

11:23 **S005: PTH as a Predictor of Post-Thyroidectomy Hypocalcemia: A Contribution to the Standardization of the Test**; Alejandro Castro, MD, Laura Del Rio, MD, Ricardo Bernaldez, MD, Antonio Del Palacio, MD, Cristina Alvarez-Escola, MD, Beatriz Lecumberri, MD, Alberto Fernandez-Martinez, MD, Javier Gavilan, MD; La Paz University Hospital

11:31 **S006: Functional Swallowing Outcomes Following Trans Oral Robotic Surgery Treatment or Chemoradiation Therapy in Patients with Oropharynx, Hypopharynx Cancer**; Yogesh More, MD, T Tsue, MD, FACS, D Girod, MD, FACS, C Lominska, MD, P Neupane, MD, J Harbison, MD, K Sykes, MPH, Carson Williams, MS, Yelizaveta Shnayder, MD, FACS; Kansas University Medical Center, Kansas, US

11:39 Discussion

11:45 **S007: Prospective Study of Venous Thromboembolism in Head and Neck Cancer Patients after Surgery: Interim Analysis**; Daniel Clayburgh, MD, PhD, Will Stott, BS, Teresa Kochanowski, ANPC, Renee Park, MD, Kara Detwiller, MD, Paul Flint, MD, Joshua Schindler, MD, Peter Andersen, MD, Mark Wax, MD, Neil Gross, MD; Oregon Health and Science University

11:53 **S008: Nomogram for Prediction of Prognosis in Patients with Oral Cavity Squamous Cell Carcinoma**; Pablo H Montero, MD, Changhong Yu, MS, Purvi D Patel, MD, Frank L Palmer, BA, Ian Ganly, MD, PhD, Jatin P Shah, MD, Michael W Kattan, PhD, Snehal G Patel, MD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center

12:01 **S009: Patterns of Nodal Metastasis and Prognosis in Oropharyngeal Squamous Cell Carcinoma**; Matthew E Spector, MD, K Kelly Gallagher, MD, Emily Bellile, MS, Steven B Chinn, MD, MPH, Mohannad Ibrahim, MD, Serena Byrd, MD, Eric J Chanowski, MD, Heather M Walline, MS, Jeffrey S Moyer, MD, Mark E Prince, MD, Gregory T Wolf, MD, Carol R Bradford, MD, Jonathan B McHugh, MD, Kitrina Cordell, DDS, MS, Thomas E Carey, PhD, Francis P Worden, MD, Avraham Eisbruch, MD, Douglas B Chepeha, MD, MSPH; University of Michigan

12:09 Discussion

714 Proffered Papers: Robotics I

Moderators: Eun Chang Choi, MD, PhD, J. Scott Magnuson, MD and Enver Ozer, MD

10:45 **S010: Primary Transoral Surgery Versus Primary Chemoradiotherapy for Advanced Stage Squamous Cell Carcinoma of the Head and Neck**; Baran D Sumer, MD, FACS, Varun Goyal, MD, Larry L Myers, MD, FACS, John M Truelson, MD, FACS, Lucien Nedzi, MD, John Yordy, MD, Randall Hughes, MD; UT Southwestern Medical Center

10:53 **S011: Salvage Surgery for Recurrent Cancers of the Oropharynx: How Does TORS Compare to Standard Open Surgical Approaches?**; Hilliary White, MD, Samuel Ford, BS, Benjamin Bush, BS, F Christopher Holsinger, MD, Eric Moore, MD, Tamer Ghamen, MD, William Carroll, MD, J Scott Magnuson, MD; University of Alabama at Birmingham, MD Anderson Cancer Center, Mayo Clinic-Rochester, Henry Ford Hospital

11:01 **S012: Development and Growth of Transoral Robotic Surgery Within a Large Academic Robotic Surgery Program**; Kiran Kakarala, MD, Lynda Jayjohn, RN, Matthew O Old, MD, Amit Agrawal, MD, Ricardo L Carrau, MD, Theodoros N Teknos, MD, Enver Ozer, MD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University Medical Center

11:09 Discussion

11:15 **S013: A New Paradigm for the Diagnosis and Management of Unknown Primary Tumors of the Head and Neck: A Role for Transoral Robotic Surgery**; Vikas Mehta, MD, Paul Johnson, BS, Andrew Tassler, MD, Robert L Ferris, MD, PhD, Seungwon Kim, MD, Melonie Nance, MD, Jonas T Johnson, MD, Umamaheswar Duvvuri, MD, PhD; University of Pittsburgh Medical Center, Department of Otolaryngology/Head and Neck Surgery, Pittsburgh, PA, USA

11:23 **S014: Transoral Robotic Surgery for Smokers**; Chaz L Stucken, MD, John R de Almeida, MD, MSc, Charles C Tong, MS, Eric M Genden, MD, FACS; Mount Sinai School of Medicine

11:31 **S015: Influence of Treatment Duration on Locoregional Control for Locally Advanced Head and Neck Squamous Cell Carcinomas (LA-HNSCC) Treated with Transoral Robotic Surgery (TORS) and Postoperative Radiation (PORT)**; John N Lukens, MD, Alexander Lin, MD, Gregory S Weinstein, MD, Kelly M Malloy, MD, Bert W O'Malley Jr., MD, Kathleen T Montone, MD, Roger B Cohen, MD, Harry Quon, MD; University of Pennsylvania

11:39 Discussion

11:45 **S016: Transoral Robotic Surgery: Simultaneous vs. Staged Neck Dissection**; Joshua D Waltonen, MD, Christopher A Sullivan, MD, J. Dale Browne, MD; Wake Forest University, Winston-Salem NC, USA

11:53 **S017: Learning Curve for TORS: A Four-Year Analysis**; Hilliary White, MD, Jeffrey Magnuson, MD, William Carroll, MD, John Frederick, BS, Terence Zimmermann, MPH; University of Alabama at Birmingham

12:01 **S018: Clinical Outcomes of Transoral Robotic Supraglottic Laryngectomy**; Enver Ozer, MD, Bianca Alvarez, Kiran Kakarala, MD, Teodoros N Teknos, MD, Ricardo L Carrau; The Ohio State University

12:09 Discussion

AHNS acknowledges a generous educational grant in support of this session from Intuitive Surgical

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716 Proffered Papers: Thyroid/Parathyroid I

Moderators: Edmund A. Pribitkin, MD, Robert L. Witt, MD and Seiichi Yoshimoto, MD

10:45 **S019: A Predictive Model for Recurrence in Medullary Thyroid Cancer**; Allen S Ho, MD, Changhong Yu, MS, Arnbjorn Toset, MD, Frank L Palmer, BA, Jatin P Shah, MD, Snehal Patel, MD, Mike W Kattan, PhD, R. Michael Tuttle, MD, Ian Ganly, MD, PhD; Memorial Sloan-Kettering Cancer Center

10:53 **S020: A New Stochastic Approach to the Analysis of the Rapid Intraoperative Parathyroid Hormone**; Eitan Prisman, MD, Eliezer Z Prisman, PhD, Teresa R Kroeker, MD, Jeremy L Freeman, MD, FRCP; University of Toronto, York University

11:01 **S021: Hypoparathyroidism after Central Lymph Node Dissection in Thyroidectomy: A Randomized Controlled Trial - Preliminary Results**; Peter T Dziegielewski, MD, Vincent Biron, MD, PhD, Robert Hart, MD, FRCSC, Elaine Fung, MD, Hadi Seikaly, MD, FRCSC, Daniel A O'Connell, MD, FRCSC, Jeffrey R Harris, MD, FRCSC; University of Alberta, Dalhousie University

11:09 Discussion

11:15 **S022: National Trends in Thyroid Surgery: The Effect of Surgeon and Hospital Volume on Outcomes**; Myriam Loyo, MD, Christine G Gourin, MD, MPH; Johns Hopkins Medical Institutions

11:23 **S023: Is Sentinel Lymph Node Biopsy the Best Method to Stage N0 Neck in Thyroid Cancer?**; Jose H Steck, MD, Helio Vitelli, MD, Erivelto M Volpi, MD, Marco A Kulcsar, MD, Evandro Vasconcelos, MD, Antonio Bertelli, MD; Mario Gatti Hospital - Campinas - Brazil

11:31 **S024: Hypothyroidism after Thyroid Lobectomy: Incidence and Risk Factors**; Renan B Lira, MD, Aline R Oliveira Viana, MD, Genival B Carvalho, MD, João Gonçalves Filho, MD, PhD, Luiz P Kowalski, MD, PhD; Hospital AC Camargo

11:39 Discussion

11:45 **S025: Factors Influencing Morbidity after Surgical Management of Malignant Thyroid Disease;** Yogesh More, MD, Y Shnayder, MD, FACS, D Girod, MD, FACS, K Sykes, MPH, Michael Carlisle, MD, Brian Chalmers, Codyjo Kraemer, T Tsue, MD, FACS; Kansas University Medical Center, Kansas, US

11:53 **S026: Extent of Lymph Node Dissection and Number of Lymph Node Metastases Affects Survival in Patients with Papillary Thyroid Cancer**; Lukasz Czerwonka, MD; Wright State University

12:01 **S027: Short-Term Objective and Subjective Swallowing Evaluation in Patients Submitted to Thyroid Surgery**; Neyller P Montoni, SLP, Paula L Silveira, MD, Elisabete Carrara-de-Angelis, SLP, PhD, Luiz P Kowalski, MD, PhD, Jose G Vartanian, MD, PhD; A.C. Camargo Hospital, Sao Paulo, Brazil

12:09 Discussion

801 Proffered Papers: Outcomes

Moderators: Christine G. Gourin, MD, Adam Macieiewski, MD and Ernest A. Weymuller, Jr., MD

10:45 **S028: The Effect of UES Dilation and Dysphagia Treatment on Patients with Head and Neck Cancer**; Uttam Sinha, MD, Brenda Capobres Villegas, MS, CCCSLP, Laishyang (Melody) OuYoung, MS, CCCSLP, Yihe Zu, MD, PhD; University of Southern California

10:53 **S029: Chemotherapy-Associated Adverse Events in the Treatment of Head and Neck Cancer: Updated Systematic Review**; Jonathan George, MD, MPH, Steven Wang, MD, Bevan Yueh, MD, MPH; University of California - San Francisco, University of Minnesota - Twin Cities

11:01 **S030: Single Institution Experience of Acute Toxicities in Patients Treated with Radical Intensity Modulated Radiotherapy (IMRT) for Head and Neck Cancers Using the Monte Carlo Calculation Algorithm**; Andriana Michaelidou, MRCP, Tina McCloskey, BSc, Rachael Donnelly, BSc, Lucy Yates, MRCP, Dave Convery, PhD, Rebecca Lynn, BSc, Debbie James, MSc, Nicole Milesi, BSc, Rubina Begum, BSc, Karim Hussain, FRCS, Jean-Pierre Jeannon, FRCS, Andrew Lyons, FRCS, Mark McGurk, FRCS, Richard Oakley, FRCS, Ricard Simo, FRCS, Mary Lei, FRCR, Teresa Guerrero Urbano, PhD; Guys & St Thomas's NHS Foundation Trust, London, United Kingdom

11:09 Discussion

11:15 **S031: Evaluating the Safety of Harmonic Scalpel around the External Branch of Superior Laryngeal Nerve; Prospective Randomized Trial**; Jeong Hwan Moon(1), MD, Myung-Eun Nam(2), MD, Ki Nam Park(2), MD, Dohun Kim(2), MD, Young-Ik Son(2), MD, PhD; (1) Department of Otorhinolaryngology-Head & Neck Surgery, Dankook University Medical College, Cheonan, Korea and (2)Department of Otorhinolaryngology-Head & Neck Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Korea

11:23 **S032: Long-Term Functional and Oncologic Outcomes after Sequential Chemoradiotherapy for Advanced Squamous Cell Carcinoma of the Head and Neck**; Katherine A Hutcheson, PhD, Jan S Lewin, PhD, F. Christopher Holsinger, MD, Denise A Barringer, MS, Ganene D Steinhaus, BSN, Asher Lisec, BS, Heather Y Lin, PhD, Sandra M Villalobos, MS, Adam S Garden, MD, Vassiliki Papadimitrakopoulou, MD, Merrill S Kies, MD; The University of Texas MD Anderson Cancer Center

11:31 **S033: Preventive Rehabilitation in Advanced Chemo-Radiated H&N Cancer Patients; 2-year Results and Dose-Effect Relationships**; Lisette van der Molen, PhD, SLP, MA van Rossum, PhD, LE Smeele, PhD, MD, CR Rasch, PhD, MD, FJ Hilgers, PhD, MD; The Netherlands Cancer Institute - Antoni van Leeuwenhoek Hospital

11:39 Discussion

11:45 **S034: A Novel Morbidity Prediction Score for Head and Neck Oncosurgery**; Nebu George, MSDNB, Mary Thomas, MD, Paul Sebastian, MS; Regional Cancer Centre, Thiruvananthapuram, Kerala, India

11:53 **S035: Functional Outcomes after Treatment of Advanced Laryngeal Cancer: Organ Preservation vs. Laryngectomy**; Michael Gousseau, Candace Myers, Pascal Lambert, MSc, Paul D Kerr, MD; University of Manitoba, CancerCare Manitoba

12:01 **S036: Promoting Head and Neck Cancer Screening in Disparities Populations Through Community Outreach Partnerships**; Elba C Diaz-Toro, DMD, MSD, MPH; Puerto Rico Comprehensive Cancer Center-UPR

12:09 Discussion

12:30 - 13:30 **Lunch with the Professors** $ Additional fees apply

705 Behavioral Risk Factors for Head and Neck Cancer

Speakers: Gypsyamber D'Souza, PhD

Discussion of behaviors associated with HPV-related and HPV-unrelated head and neck cancer. Review of what is known about oral HPV transmission.

At the conclusion of this session, participants will be able to:

1. Understand behaviors associated with oral HPV transmission;
2. Practice how to discuss these behavioral risk factors with patients and their families;
3. Make HPV-HNC less stigmatized and increase patient-provider comfort discussing sexual behavior.

[HEALTH]

707 Extent of Surgery in Thyroid Cancer

Speakers: Jeremy L. Freeman, MD, Stephen F. Hall, MD, MSc and Ashok R. Shaha, MD

Case-based session illustrating various scenarios where a decision was made as to the extent of surgery – a brief intro of epidemiology by Dr. Hall.

At the conclusion of this session, participants will be able to:

1. Decide on the extent of surgery for small lesions;
2. Decide on the extent of surgery for large lesions;
3. Decide on extent of surgery for invasive lesions;
4. Decide on extent of surgery for medullary cancer.

[SURG]

709 NCCN Guidelines

Speakers: Amy Y. Chen, MD and John A. Ridge, MD, PhD

This lunch session is designed to review current NCCN guidelines pertaining to oral cavity, oropharynx and laryngeal cancer. Background information regarding the development of the guidelines by the NCCN will also be discussed. Effective use of the guidelines in a clinical practice will be introduced.

At the conclusion of this session, participants will be able to:

1. Outline appropriate evidence based treatment guidelines for oral cavity, oropharyngeal and laryngeal cancers;
2. Know the limitations of these guidelines.

[GUIDE]

711 Skull Base Imaging for the Endoscopic Surgeon

Speakers: Hugh D. Curtin, MD and Michael E. Kupferman, MD

The session will cover optimal approaches to imaging relating to the landmarks of interest for endoscopic surgery. Emphasis is placed on visualizing certain key structures as an indicator of the adequacy of the imaging examination.

At the conclusion of the session, participants will be able to:

1. Identify the lamina papyracea, medial orbital fat pad, foramen rotundum and other key anatomic structures important to analysis of skull base images;
2. Explain the limitations of imaging with or without fat suppression, describing the advantages of each;
3. Identify the margin of a tumor relative to an obstructed sinus using understanding of the protein curves as seen with MRI;
4. Confidently identify an adequate scan of the skull base.

[RAD]

715A Thyroid and Parathyroid Imaging

Speakers: Ara A. Chalian, MD and Laurie A. Loevner, MD

This session will review state-of-the-art issues revolving around imaging in the setting of thyroid and parathyroid disease. It will include preoperative ultrasound; indications for CT, MRI and nuclear imaging; as well as intra-operative ultrasound in thyroid disease.

At the conclusion of this session, participants will be able to:

1. Identify criteria for FNA of newly diagnosed thyroid nodules;
2. Apply appropriate imaging arsenal for evaluating primary hyperparathyroidism;
3. Understand the role of imaging in the evaluation of patients with rising thyroglobulin and normal clinical examination;
4. Understand the role of intraoperative ultrasound in the setting of thyroid cancer.

[RAD]

715B Tumor Board: Melanoma

Chair: Sandro V. Porceddu, MD

Speakers: Martin Cortsen, MD, Lindell R. Gentry, MD, Jonathan C. Irish, MD, Anthony Joshua, MD and Somasundaram Subramanian, MD

This tumor board will emphasize the multidisciplinary approach to the treatment of head and neck melanoma. The tumour board will present cases that demonstrate an

evidence-based approach augmented with expert opinion to illustrate issues on management of the head and neck melanoma patient including: investigations, staging, extent of margins, indications for sentinel node biopsy, systemic therapy options and indications for adjuvant radiation therapy.

At the conclusion of this session, participants will be able to:

1. Understand the staging investigations and clinical assessment for a patient with a head and neck melanoma;
2. Understand the recommendations on margins for local disease management;
3. Understand the indications for sentinel lymph node biopsy in head and neck melanoma;
4. Understand the indications for adjuvant systemic therapy and targeted therapy;
5. Understand the indications and efficacy for adjuvant radiation therapy.

[SURG]

717A Tumor Board: Nasopharyngeal Carcinoma

Chair: Tommy Kwok-Seng Loh, MD

Speakers: Xueyu (Eric) Chen, MD, Anne W.M. Lee, MD, Sue S. Yom, MD, PhD and Jimmy Yu Wai Chan, MD

This tumor board will consist of several case presentations with the aim of describing decisions about workup, staging, treatment, management, and retreatment of NPC.

At the conclusion of this session, participants will be able to:

1. Understand the workup and staging of NPC;
2. Apply a decision making process to difficult NPC cases;
3. Implement changes in practice based on advances in treatment of NPC.

[RADONC]

717B Tumor Board: Oral Cavity

Chair: Danny J. Enepekides, MD

Speakers: Adam S. Garden, MD, Lawrence E. Ginsberg, MD, Bhuvanesh Singh, MD, PhD, Brian N. Nussenbaum, MD and William H. Westra, MD

The educational objective of this session is to provide head and neck practitioners with up-to-date clinically relevant information about making guideline-based treatment decisions for patients with oral cavity cancers. This will be done using a case-based format in the style of a multidisciplinary tumor board with including cases that incorporate basic concepts and controversial topics.

At the conclusion of this session, participants will be able to:

1. Describe NCCN Guidelines for management of oral cavity cancer;
2. Discuss underlying principles for making treatment decisions in oral cancer patients;

3. Understand current and future approaches to oral cavity reconstruction;
4. Recognize the emerging role of using quality care metrics in this patient population.

[SURG]

13:45 - 15:15 **Panels and Proffered Papers**

718B Panel: Assessment of the Neck-Sentinel Node Lymphiscintigraphy and Ultrasound

Panel Moderator: Ara A. Chalian, MD

The role/ use of ultrasound and lymphoscintigraphy will be discussed in the management of oral cavity mucosal cancer, cutaneous malignancy, for state of the art staging and therapeutics. The evidence base and current evidence based guidelines and technical pearls will be discussed by the interdisciplinary panel of surgeons and radiologist.

13:45	**Introduction: Imaging/Controversies for the Assessment of the Neck - Sentinel Lymph Nodes in Mucosal and Cutaneous Malignancy**	Ara A. Chalian, MD
13:53	**Applications of Sentinel Lymph Node Lymphoscintigraphy in Mucosal Disease**	Francisco J. Civantos, MD
14:13	**Applications of Sentinel Lymph Node Lymphoscinitgraphy in Cutaneous Disease**	Carol R. Bradford, MD
14:33	**Ultrasound and Nodal Assessement in Cutaneous and Mucosal Malignancy**	Beth S. Edeiken-Monroe MD
14:53	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Describe the research and evidence base regarding use of lymphoscintigraphy and ultrasound in the management of oral cavity malignancy;
2. Describe the research and evidence base regarding the use of lymphoscintigraphy in the management of cutaneous malignancy;
3. Have a strategy for the technical aspects for performing lymphoscintigraphy and sentinel lymph node biopsy for patients with cutaneous malignancy;
4. Describe and effectively utilize/ order ultrasound and cross-sectional Imaging for cervical node assessment for cutaneous and mucosal malignancies.

[RAD]

718A Panel: Parathyroid Surgery

Panel Moderators: Keith S. Heller, MD and Ashok R. Shaha, MD

This panel will review the current standards for the preoperative evaluation as well as surgical options for the treatment of hyperparathyroidism. Differences in presentation and treatment of hyperparathyroidism outside of North America, as well as unusual problems in parathyroid surgery will also be discussed.

13:45	**Preoperative Parathyroid Imaging**	Lisa A. Orloff, MD
14:00	**The Choice of Surgical Procedure for Hyperparathyroidism and the Role of Intraoperative PTH Measurement**	Brendan C. Stack, Jr., MD

14:15	**Differences in the Presentation and Treatment of Hyperparathyroidism Around the World**	Fernando L. Dias, MD, PhD
14:25	**Unusual Parathyroid Problems**	Dennis H. Kraus, MD
14:37	**Case Presentations and Discussion**	

At the conclusion of this session, participants will be able to:

1. Determine appropriate preoperative imaging prior to parathyroidectomy;
2. Determine the appropriate operation for hyperparathyroidism in various clinical conditions and the role of intraoperative PTH measurement in minimizing surgical failures;
3. Understand differences in presentation and management of hyperparathyroidism in different countries and parts of the world;
4. Manage unusual parathyroid tumors with which they have no personal familiarity.

[SURG]

701A Panel: Swallowing and Rehabilitation of the Head and Neck Cancer Patient

Panel Moderators: Jan S. Lewin, MD and Bevan Yueh, MD

These panelists bring unique but diverse oncologic expertise regarding innovative surgical alternatives, exercise physiology outcomes, patient perception, performance measurement, and symptom management to standard methods for swallowing rehabilitation in patients with head and neck cancer. The intent of this session will be to offer updates to contemporary understanding and clinical practice to improve swallowing function in head and neck cancer survivors.

13:45	**Introduction**	Jan S. Lewin, MD and Bevan Yueh, MD
13:55	**Innovative Techniques for Swallowing Preservation and Rehabilitation in Treated Head and Neck Cancer Patients**	Timothy M. McCulloch, MD
14:10	**Patient Perception versus Physiology in the Evaluation and Management of Cancer-Related Swallowing Disorders**	Rosemary Martino, MSc, PhD
14:25	**The Role of Neuromuscular Electrical Stimulation for Swallowing Recovery in Head and Neck Cancer Survivors**	Giselle D. Carnaby-Mann, PhD
14:40	**Quality of Life and Symptom Management Related to Swallowing Function in Patients with Head and Neck Cancer**	Barbara A. Murphy, MD
14:55	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Participants with become familiar with important medical, surgical, and behavioral pretreatment information that is important in preserving swallowing function in patient treated for head and neck cancer;
2. Participants will gain new understanding regarding current research findings and clinical techniques for preservation of swallowing function in treated head and neck cancer patients;
3. Participants will be able to identify key factors that predispose patients to long-term swallowing dysfunction after treatment for head and neck cancer;

4. Participants will understand current findings between swallowing exercise and adherence, and post treatment swallowing outcomes and perception.

[REHAB/QOL]

701B Proffered Papers: Best of Basic Science

Moderators: Wendell G. Yarbrough, MD and Christian Simon, MD, PhD

13:45 **S037: PD-1:PD-L1(B7-H1) Pathway in Adaptive Resistance: A Novel Mechanism for Tumor Immune Escape in HPV-Related Head and Neck Cancers**; Sofia Lyford-Pike, MD, Shiwen Peng, MD, PhD, Janis M Taube, MD, William H Westra, MD, Belinda Akpeng, BS, Tullia C Bruno, PhD, Jeremy Richmon, MD, Hao Wang, MD, Lieping Chen, MD, PhD, Charles G Drake, MD, PhD, Suzanne L Topalian, MD, Drew M Pardoll, MD, PhD, Sara I Pai, MD, PhD; Johns Hopkins University School of Medicine, Yale University School of Medicine

13:53 **S038: Feasibility of Concomitant Radio- and Fluorescence Guided Sentinel Lymph Node Biopsy in Oral Cancer Using a Hybrid Tracer**; Nynke S van den Berg, MSc, Oscar R Brouwer, MD, W Martin C Klop, MD, PhD, Alfons J M Balm, MD, PhD, Michiel W M van den Brekel, MD, PhD, Renato Valdés Olmos, MD, PhD, Fijs W B van Leeuwen, PhD; Netherlands Cancer Institute/Antoni van Leeuwenhoek Hospital and Leiden University Medical Hospital, The Netherlands

14:01 **S039: A Novel Larynx Carcinogenesis Animal Model**; Emiro Caicedo-Granados, MD, Beverly R Wuertz, BA, Arthur R Galbraith, BS, Donna E Hartle, BS, Lee Wattenberg, MD, Suzanne Keel, MD, Frank G Ondrey, MD, PhD; University of Minnesota

14:09 Discussion

14:15 **S040: Head and Neck Squamous Cell Carcinoma Cancer Stem Cells: Tumorigenesis and Metastasis in an Orthotopic Mouse Model**; Steven B Chinn, MD, MPH, John H Owen, MS, Emily Light, MS, Thomas E Carey, PhD, Mark E Prince, MD; University of Michigan Department of Otolaryngology - Head and Neck Surgery

14:23 **S041: Drug Resistance Signatures of Tumor-Initiating Cells in Head and Neck Squamous Cell Carcinoma (HNSCC)**; Sindhu V G, MSC, Simple Mohanta, MSc, Gangotri Sidappa, MSc, Debashish Das, PhD, Wesley Hicks Jr, Vishal Gupta, Amritha Suresh, PhD, Moni A Kuriakose, MD, FRCS, Head and Neck Oncology; Mazumdar Shaw Cancer Centre, Narayana Hrudayalaya, Bangalore; Roswell Park Cancer Institute, NY; Stem Cell Research Lab, Narayana Nethralayala, Bangalore

14:31 **S042: TNF-Alpha Alters Genome-Wide c-REL, DeltaNp63, and TAp73 Binding to Regulate Inflammatory and Malignant Transcriptional Programs in Human Head and Neck Cancer**; A Mattox, H Lu, H Si, X Yang, J Coupar, M Jung, Y Bian, C Van Waes, Z Chen; Clinical Genomics Unit and Tumor Biology Section, NIDCD, NIH

14:39 Discussion

14:45 **S043: Tumor Biology on Molecular Level Identified by Raman Spectroscopy**; FLJ Cals, MD, TC Bakker Schut, MSC, PhD, S Koljenovic, MD, PhD, JA Hardillo, MD, PhD, GJ Puppels, MSC, PhD, RJ Baatenburg de Jong, MD, PhD Prof; Erasmus-University Medical Center Rotterdam

14:53 **S044: Functional Genomics Approach to Discover Novel Survival Kinases in Metastatic HNSCC**; Michael C Kao, Russell Moser, Chang Xu, PhD, Luisa Angelica Lerma, MD, James Annis, Carla Grandori, MD, PhD, Christopher J Kemp, PhD, Eduardo Mendez, MD; Divisions of Clinical Research and Human Biology, Fred Hutchinson Cancer Research Center; Department of Otolaryngology, University of Washington and Quellos High Throughput Screening Core, University of Washington

15:01 **S045: DCUN1D1/SCCRO Levels Predict Neddylation and Ubiquitination in Hurthle Cell Carcinoma**; Huan Huan Sun, MD, Viola B Weeda, MD, Claire Bommeljé, MD, Bhuvanesh Singh, MD, PhD, Memorial Sloan-Kettering Cancer Center

15:09 Discussion

714 Proffered Papers: Robotics II

Moderators: Tamer Abdel-Halim Ghanem, Min Sik Kim, MD, PhD and Eric J. Moore, MD

13:45 **S046: Use of Cephalometry in Predicting Favorable Operative Exposure in Transoral Robotic Surgery for Base of Tongue Lesions**; Adam L Baker, MD, Matthew C Miller, MD, Adam Luginbuhl, MD, Curry Joseph, MD, David Cognetti, MD; Thomas Jefferson University Hospital, University of Rochester Medical Center

13:53 **S047: Robot-Assisted Supraomohyoid Neck Dissection via a Modified Facelift or Retroauricular Approach in Squamous Cell Carcinoma of Oral Cavity: A Comparative Study with Conventional Technique**; Yoon Woo Koh, MD, PhD, Hyoung Shin Lee, MD, Won Shik Kim, MD, So Yoon Lee, MD, Hyun Jun Hong, MD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

14:01 **S048: Pathologic Evaluation of Margin Status in 30 Patients Treated with TransOral Robotic Surgery Alone for Oropharyngeal Cancer**; Kathleen T Montone, MD, Gregory S Weinstein, MD, Harry Quon, MD, Jason G Newman, MD, Ara Chalian, MD, Kelly Malloy, MD, Alexander Lin, MD, Roger Cohen, MD, Arati Desai, MD, Bert W O'Malley, Jr, MD, Virginia A LiVolsi, MD; Hospital of the University of Pennsylvania

14:09 Discussion

14:15 **S049: Transoral Robotic Examination of the Micro Vascular Anatomy of the Head and Neck**; Neerav Goyal, MD, MPH, David Goldenberg, MD, FACS; Penn State Milton S. Hershey Medical Center

14:23 **S050: Dual Console Robotic Assisted Surgery for the Treatment of Mediastinal Parathyroid Adenoma; A Preliminary Report**; JM Chan, MD, U Duvvuri, MD, PhD, B Weksler, MD, University of Pittsburgh Dept. of Otolaryngology-Head and Neck Surgery; University of Pittsburgh Dept. of Cardiothoracic Surgery

14:31 **S051: Single-Incision Robot Assisted Transaxillary Thyroid Surgery: Surgical Technique and Learning Curve**; Pier Guido Ciabatti, MD, Giulia Burali, MD, Luca D'Ascanio, MD; Department of Otolaryngology - Head & Neck Surgery, San Donato Civil Hospital, Arezzo, Italy; Department of Otolaryngology - Head & Neck Surgery, Città di Castello Civil Hospital, Italy

14:39 Discussion

14:45 **S052: 3-Dimensional Transoral Anatomy of the Tonsillar Fossa and Lateral Pharyngeal Wall Using the Da-Vinci Si Robotic System-Anatomical Dissection with Radiographic and Clinical Correlation**; Chwee Ming Lim, Vikas Mehta, Carlos Pinheiro, Raymond Chai, James Jabber, Umamaheswar Duvvuri; University of Pittsburgh Medical Centre

14:53 **S053: A Comparative North American Experience of Robotic Thyroidectomy in a Papillary Thyroid Cancer Population**; Salem I Noureldine, MD, Nicole Jackson, MS, Lu Yao, MD, MPH, Paul Friedlander, MD, FACS, Ralph Tufano, MD, Emad Kandil, MD, FACS; Tulane University School of Medicine

15:01 **S054: Transoral Robotic Surgery for Selected T3 or T4 Oropharyngeal Squamous Cell Carcinomas**; Bert W O'Malley, Jr MD, Harry Quon, MD, Alexander Lin, MD, Peter Ahn, MD, Roger Cohen, MD, Arati Desai, MD, Kelly Malloy, MD, Ara Chalian, MD, Jason Newman, MD, Christopher Rassekh, MD, Gregory S Weinstein, MD; The University of Pennsylvania and Johns Hopkins

15:09 Discussion

AHNS acknowledges a generous educational grant in support of this session from Intuitive Surgical

716 Proffered Papers: Systemic Therapy/Metastasis

Moderators: Julie Bauman, MD, Ezra E. Cohen, MD and Jill Gilbert, MD

13:45 **S055: Concurrent Chemoradiation with Weekly Cisplatin, Docetaxel and Gefitinib - A Study To Assess Feasibility, Toxicity and Immediate Response**; Prasad Eswaran, MBBS, DMRT, MD, Azmi S Kumaravelu, MBBS; Dept. of Radiation Oncology, Apollo Speciality Hospital, Madurai, Tamilnadu, India, 625014

13:53 **S056: A Prospective, Randomized, Controlled Double-Blind Examination of EVICEL™ Fibrin Sealant Use in Thyroidectomy to Decrease Duration of Drain Placement and Healthcare Costs**; Wasef K Muzaffar, BS, Ryan Reddy, MD, Marion B Gillespie, MD, Shaun A Nguyen, MD, Eric J Lentsch, MD, Joshua D Hornig, MD; Medical University of South Carolina

14:01 **S057: Interim Analysis of a Phase III Randomized Trial of Surgery followed by Conventional Radiotherapy (5 fr/Wk) (Arm A) vs. Concurrent Chemoradiotherapy (Arm B) vs. Accelerated Radiotherapy (6fr/Wk) (Arm C) in High Risk, Locally Advanced, Stage III and IV, Res**; Sarbani GhoshLaskar, MD, Devendra Chaukar, MS, Jai Prakash Agarwal, MD, Pankaj Chaturvedi, MS, Prathamesh Pai, MS, Ashwini Budrukkar, MD, Tejpal Gupta, MD, Vedang Murthy, MD, Mandar Deshpande, MS, Kumar Prabhash, MD, Anil D'Cruz, MS; Tata Memorial Hospital, Mumbai, India

14:09 Discussion

14:15 **S058: Novel Therapeutic Benefit of Proton Pump Inhibitors and Histamine 2 Blockers on Overall Survival in Patients with Head and Neck Squamous Carcinoma**; Silvana Papagerakis, MD, PhD, Emily Bellile, MS, Sara Selman, Katherine Balaskas, Maria Pliakas, Lisa Peterson, MS, David A Hanauer, MD, Sonia Duffy, PhD RN, Gregory Wolf, MD, Head Neck Cancer SPORE P50 CA097248; University of Michigan Ann Arbor

14:23 **S059: Is There a Role of Pre-Operative Chemoradiotherapy for Advanced Hypopharyngeal Cancer?**; Torahiko Nakashima, MD, Satoshi Toh, MD, Hideki Shiratsuchi, MD, Ryuji Yasumatsu, MD, Katsumasa Nakamura, MD, Shizuo Komune, MD; Graduate School of Medical Sciences, Kyushu University

14:31 **S060: The Clinical Relevance of Swallow Studies in Patients Undergoing Chemo-Irradiation for Head and Neck Cancer**; Klaudia U Hunter, MD, Oliver E Lee, Matthew Schipper, Teresa Lyden, MA, Marc J Haxer, MA, Felix Y Feng, MD, Mark E Prince, MD, Carol R Bradford, MD, Gregory T Wolf, MD, Scott A Mclean, MD, PhD, Jeffery S Moyer, MD, Douglas B Chepeha, MD, MPH, Avraham Eisbruch, MD; University of Michigan

14:39 Discussion

14:45 **S061: Efficacy of Induction Gemcitabine Cisplatin Chemotherapy Followed by Chemoradiation in Advanced Head and Neck Cancer**; Hassan Iqbal, BDS, Arif Jamshed, FRCR, Raza Hussain, FDSRCS, Tahir Mehmood, MBBS, Tabinda Sadaf, MRCP, Kamran Saeed, MBBS; Shaukat Khanum Memorial Cancer Hospital and Research Centre

14:53 **S062: p16 Status Predicts Response to Low Dose Fractionated Radiation as a Chemopotentiator of Neoadjuvant Chemotherapy for Locally Advanced Squamous Cell Carcinoma of the Head and Neck**; Natalie L Silver, MS, MD, Susanne Arnold, MD, John F Gleason, MD, Mahesh Kudrimoti, MD, Yolanda Brill, MD, Emily M Van Meter, PhD, TJ Gal, MPH, MD, Joseph Valentino, MD; University of Kentucky, Lexington KY

15:01 **S063: Statistical Model for Prediction of Hearing Loss in Patients: Receiving Cisplatin Chemotherapy**; Andrew Johnson, BS, David R Friedland, MD, PhD, Stuart Wong, MD, Christina Runge, PhD; Medical College of Wisconsin

15:09 Discussion

801 Proffered Papers: Nasopharynx

Moderators: Seiji Kishimoto, MD, Tommy Kwok-Seng Loh, MD and Minh T. Truong, MD

13:45 **S064: Long Term Outcomes of Salvage Surgery for Recurrent Nasopharyngeal Carcinoma**; Lishia Ng, MBBS, MMed, Kwok S Loh, FRCS; Dept Otolaryngology Head & Neck Surgery, National University Health System, Singapore

13:53 **S065: Critical Appraisal of Maxillary Swing Approach for Nasopharyngeal Carcinoma**; Jimmy Yu Wai Chan, MBBS, MS, MRCS, FCSHK, FHKAM, William Ignace Wei, MBBS, MS, FRCS, FACS; University of Hong Kong

14:01 **S066: Cytolytic Virus Activation Therapy for Epstein-Barr Virus Driven Nasopharyngeal Carcinoma**; M.A. Wildeman, MD, A.E. Greijer, PhD, I.B. Tan, MD, PhD professor, A.D.R. Huitema, PhD, J.M. Middeldorp, PhD professor, J.P. de Boer, MD, PhD; The Netherlands Cancer Institute/ Antoni van Leeuwenhoek Hospital; VU University Medical Centre; Academic Medical Center (AMC); Slotervaart Hospital/The Netherlands Cancer Institute

14:09 Discussion

14:15 **S067: Radiotherapy for Juvenile Nasopharyngeal Angiofibroma**; Robert J Amdur, MD, Anamaria R Yeung, MD, Bridget M Fitzgerald, MSW, Anthony Mancuso, MD, John W Werning, MD, William M Mendenhall, MD; University of Florida

14:23 **S068: Results of a Long-Term Screening Program for Nasopharyngeal Carcinoma**; Lishia Ng, MBBS, MMed, Boon-Cher Goh, MD, Jay Lu, MD, Kwok S Loh, FRCS; Dept Otolaryngology Head & Neck Surgery, National University Health System, Singapore

14:31 **S069: Long Term Outcomes of Nasopharyngeal Carcinoma Patients with Parapharyngeal Extension: Analysis of a Cohort of 295 Patients**; Lishia S Ng, MBBS, MRCS, MMED, Kwok Loh, FRCS, Boon-Cher Goh, FRCP, Jay Lu, MD; National University Health System

14:39 Discussion

14:45 **S070: Neck Nodes: The Significance of Nodal Mapping on Treatment Outcomes**; Robert I Smee, MBBS, FRANZCR, Kathryn Broadley, Katie De-Loyde, MSc, Janet R Williams, RN; Department of Radiation Oncology, The Prince of Wales Cancer Centre, Level 2, High St, Randwick, New South Wales, Australia

14:53 **S071: Impact of Disphagia on Quality of Life of Patients with Squamos Cell Carcinoma of the Head and Neck (SCCHN) after Chemoradiotherapy**; Gabriela Brotzman, Raúl E Giglio, MD, A Cerezo, David Pereira, MD, Pedro Saco, MD, Roque Adan, MD, Santiago Zund, MD; Instituto de Oncología Ángel H. Roffo, Universidad de Buenos Aires, Argentina

15:01 **S072: Reirradiation in Head and Neck Squamous Cell Carcinoma; Prognostic Indicators, Oncologic and Functional Outcomes**; Mauricio A Moreno, MD, Steven McKee, Jose Penagaricano, MD, Emre Vural, MD; University of Arkansas for Medical Sciences

15:09 Discussion

15:15 - 15:45 **Afternoon Beverage Break** EXHIBIT HALL F

15:45 - 17:15 **Panels and Proffered Papers**

701A Panel: Head and Neck Cancer Care: Challenges in the Developing World

Panel Moderators: Mary Gospodarowicz, MD and James L. Netterville, MD

Our goal is to explore the needs of head and neck patients and those that deliver care to them in medically underserved regions of the world. We will study how we can impact that care by exploring the positive and negative outcomes of current efforts to improve care.

15:45	**Head and Neck Cancer Care in Brazil**	Andre L. Carvalho, MD, PhD
16:05	**Challenges to Delivering Head and Neck Cancer Care in India**	Anil K. D'Cruz, MD
16:25	**Head and Neck Cancer Care Delivery: The Egyptian Perspective**	Ayman A. Amin, MD
16:45	**Caring for the Head and Neck Cancer Patient in South Africa**	Johannes J. Fagan, MD
17:05	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Discuss the similarities in difference in risk factors for developing head and neck cancer between developed and developing nations;
2. Describe the differing spectrum of diagnoses and stage at presentation of head and neck cancer patients between developed and developing nations;
3. Identify the challenges to accessing quality head and neck cancer care in developing nations;
4. Understand the role that health care professionals from developed nations can play in approving the delivery of head and neck cancer care in the developing world.

[GUIDE]

718A Panel: Imaging and Head and Neck Cancer: Assessment after Treatment

Panel Moderator: Barton F. Branstetter, IV, MD

Several imaging modalities are available for the evaluation of patients who have been treated for head and neck cancer. Newer modalities such as PET/CT are coming into common practice, but details regarding timing of exams and the interplay of radiology and physical examination are not fully worked out. This panel session will examine the controversies surrounding post-treatment assessment.

15:45	**Efficacy and Surveillance**	Hugh D. Curtin, MD
16:05	**Complications and Pitfalls**	Lawrence E. Ginsberg, MD
16:25	**Clinical Assessment after Chemoradiation**	John Waldron, MD
16:45	**Assessing Response to Therapy with PET: The Brazil Experience**	Luiz P. Kowalski, MD, PhD
17:05	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Propose a post-treatment surveillance protocol that utilizes best modalities;
2. Discuss cost effectiveness of different surveillance scheme for head and neck cancer recurrence;
3. List several different modalities for surveillance and discuss their relative benefits.

[RAD]

718B Panel: Salivary Gland Malignancy

Panel Moderators: Patrick J. Gullane, MD and Snehal G. Patel, MD

This session will address the current radiologic and cytologic techniques to establish a diagnosis in the evaluation and management of Salivary Gland Cancers. The extent of local surgery, techniques to preserve the facial nerve, & methods to reconstruct the nerve when sacrificed will be addressed. In addition the management of overlying soft tissue defects will be reviewed and the indications for elective neck dissection in the N0 patient in low malignancies and the extent of neck dissection in patients with high grade malignancies will be addressed. Finally the role of adjuvant therapy in select settings of high grade cancers, advanced lesions where there is concern re adequacy of excision will be summarized.

15:45	**Introduction**	Patrick J. Gullane, MD and Snehal G. Patel, MD
16:00	**Diagnostic Evaluation and Surgical Management of Local Disease**	Patrick K. Ha, MD
16:12	**Surgical Management of Regional Disease, N0 and N+ Neck Disease**	Tadhg O'Dwyer, MD
16:24	**Surgical Techniques of the Facial Nerve Repair Including Reconstruction of Overlying Soft Tissue Defects**	Jeffrey R. Harris, MD
16:36	**Adjuvant Therapy to Include Radiation, and Chemotherapy**	Louis B. Harrison, MD
16:48	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand the Current and emerging trends in the treatment of Salivary gland Malignancies;
2. To be knowledgeable of the diagnostic approaches including the role of FNA;
3. To be aware of the extent of Surgical resection-when to preserve and when to sacrifice the facial nerve;
4. Understand the appropriate extent of neck dissection for the No and N+ neck;
5. Better understand the techniques in facial nerve reconstruction;
6. Understand the indications for adjuvant therapy.

[SURG]

701B Proffered Papers: Oropharynx I

Moderators: Fernando L. Dias, MD, Andreas Dietz, MD and Yves Jaquet, MD

15:45 **S073: Association between HPV/EBV Co-Infection and Oropharyngeal Cancer**; Ru Jiang, PhD MD, Oleksandr Ekshyyan, PhD, Tara Moore-Medlin, BS, Xiaohua Rong, BS, Cheryl Clark, PhD, Xin Gu, MD, Sean Nathan, Rona Scott, PhD, Lindsey Hutt-Fletcher, PhD, Cherie-Ann O Nathan, MD; Department of Otolaryngology/Head and Neck Surgery, Department of Microbiology and the Feist-Weiller Cancer Center, LSU Health Sciences Center, Shreveport, Louisiana

15:53 **S074: Smoking May Not Influence Prognosis in HPV-16 Mediated Oropharyngeal Squamous Cell Carcinoma**; Richard J Shaw, Andrew Schache, Terry Jones, Janet Risk, Max Robinson, Lakis Liloglou; University of Liverpool

16:01 **S075: Improved Survival with HPV among African Americans with Oropharyngeal Cancer**; Maria J Worsham, PhD, Josena K Stephen, MD, Kang M Chen, MD, Meredith Mahan, MS, Shaleta Havard, BS, George Divine, PhD; Henry Ford Health System

16:09 Discussion

16:15 **S076: Frequency, Clinical Presentation and Outcomes in High Risk Head and Neck Squamous Cell Carcinomas with PIK3CA/AKT Mutations**; Sean M McBride, MD, Stephen M Rothenberg, MD, PhD, William C Faquin, MD, PhD, Leif W Ellisen, MD, PhD, Annie W Chan, MD, John R Clark, MD, Lori W Wirth, MD; Massachusetts General Hospital, Harvard Medical School

16:23 **S077: Functional Outcome of Total Glossectomy with Supraglotic Laryngectomy for Advanced Oropharyngeal Cancer**; Rafael De Cicco, MD, Erica E Fukuyama, MD, Paulo J Valentim, MD, José Francisco Góis Filho, MD; Instituto do Câncer Dr. Arnaldo Vieira de Carvalho

16:31 **S078: Impact of Multidisciplinary Care Team on Survival of Oropharynx Cancers**; Amanda J Tschetter, MD, Laurie C Gromer, CNP, William C Spanos, MD, Susan E Puumala, PhD, John H Lee, MD; Sanford ENT - Head and Neck Cancer Clinic/USD Medical Center

16:39 Discussion

16:45 **S079: A Multi-Institutional Transoral Robotic Surgery (TORS) for Oropharyngeal Cancer Outcomes Study**; John R de Almeida, MD, MSc, Chris Holsinger, MD, Umamaheswar Duvvuri, MD, PhD, Scott Magnuson, MD, Brett A Miles, MD, DDS, Eric Moore, MD, Andrew Sikora, MD, PhD, Richard Smith, MD, Chaz Stucken, MD, Marita S Teng, MD, Nathaniel L Villanueva, Hilliary White, MD, Eric M Genden, MD; Mount Sinai Medical Center, Mayo Clinic, MD Anderson Cancer Center, Montefiore Medical Center, University of Alabama Birmingham, University of Pittsburgh Medical Center

16:53 **S080: Significant Invasion of the Pharyngeal Constrictor Muscle in Early Tonsil Cancer to Predict Regional Metastasis and Loco-Regional Recurrence**; Jun-Ook Park, Youn-Soo Lee, Inn-Chul Nam, Young-Hoon Joo, Kwang-Jae Cho, Min-Sik Kim; Catholic University of Korea

17:01 **S081: Retrospective Review of Oropharynx Cancer: Prognostic Factors and Failure Patterns**; Trevor Hackman, MD, Brian Thorp, Chris Lam, BS, Carol Shores, MD, Mark Weissler, MD, Bhishamjit Chera, MD, Adam Zanation, MD; UNC Hospital

17:09 Discussion

AHNS acknowledges a generous educational grant in support of this session from Intuitive Surgical

714 Proffered Papers: Larynx/Hypopharynx

Moderators: Gady Har-El, MD, Jacob Kligerman, MD and Andew J. McWhorter, MD

15:45 **S082: Functional Outcomes After Transoral Laser Surgery (TLS) as Treatment for Intermediate Stage Glottic Cancer**; Giorgio Peretti, MD, Francesca Del Bon, MD, Cesare Piazza, MD, Stefano Mangili, MD, Diego Barbieri, MD, Paola Grazioli, MD, Piero Nicolai, MD; Department of Otorhinolaryngology – Head and Neck Surgery, University of Brescia, Italy

15:53 **S083: Organ Preservation for Advanced Larynx Carcinoma. This Therapeutic Option Is the Best in Patients Without Strictc Follow-Up of the Clinical Trials?**; Ivan Agra, MD, PhD, Lucas Silva, MD, Renata D'Andrada, MD, Gilney Porto, MD, Lise Barreto, MD, Ana Clara Telles, MD; Hospital Aristides Maltez Head Neck Service

16:01 **S084: In the Era of Organ Preservation, What is the Role of cT3 Laryngeal Surgery?**; Genival B Carvalho MD, Joao G Filho PhD, Samuel P Lima MD, Laura Mannarini MD, Andre L Carvalho PhD, Ansarin Mohssen PhD, Fausto Chiesa PhD, Luiz P Kowalski PhD, Hospital AC Camargo, São Paulo, Brazil; Hospital de Câncer de Barretos, Barretos, Brazil; Istituto Europeo di Oncologia, Milan, Italy

16:09 Discussion

16:15 **S085: Complications of Total Laryngectomy in the Era of Changing Treatment Paradigms: Incidence and Predisposing Factors**; Jiahui Ng, Chwee-Ming Lim, MBBS, MMed, Luke K Tan, FRCS, Kwok S Loh, FRCS; Dept Otolaryngology Head & Neck Surgery, National University Health System, Singapore

16:23 **S086: Relationship between Paraglottic Space Invasion and Cervical Lymph Node Metastasis in Patients Undergoing Supracricoid Partial Laryngectomy**; Inn-Chul Nam, Jun-Ook Park, Kwang-Jae Cho, Min-Sik Kim, Byung-Joon Chun; The Catholic University of Korea

16:31 **S087: Primary Total Laryngectomy versus Organ Preservation for T3 Laryngeal Cancer: A Population-Based Survival Analysis**; Peter T Dziegielewski, MD, Daniel A O'Connell, MD, FRCSC, Jeffrey R Harris, MD, FRCSC, Max Klein, MD, Chris Fung, MD, Prabhjyot Singh, MD, Alex Mlynarek, MD, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta

16:39 Discussion

16:45 **S088: Prognostic Value of Metabolic Tumor Volume by [18F]-FDG PET/CT in Advanced-Stage Squamous Cell Carcinoma of the Larynx and Hypopharynx**; Gi Cheol Park, MD, Myung Joo Shim, MD, Jong-Lyel Roh, MD, PhD, Jae Seung Kim, MD, PhD, Seung-Ho Choi, MD, PhD, Soon Yuhl Nam, MD, PhD, Sang Yoon Kim, MD, PhD; Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine

16:53 **S089: Advanced Laryngeal Cancer Treated with Surgery and Postoperative Radiotherapy; 7 Year Follow-Up Group**; Bostjan Lanisnik, MD MSc, Bogdan Cizmarevic, MD, PhD; University Medical Center Maribor, Slovenia

17:01 **S090: Does the Number of Lymph Nodes Impact Survival of Advanced Laryngeal Cancer Patients Submitted to Total Laryngectomy?**; André Leonardo Costa, MSc, DDS, MD, Izabella Costa Santos, MD, PhD, Fernando L. Dias, MD, PhD, Roberto A. Lima, MD, PhD, Roberto A Arcuri, MD, PhD, Jose Claudio Casali-da-Rocha, MD, PhD; Brazilian National Cancer Institute - INCA - Rio de Janeiro - Brazil

17:09 Discussion

716 Proffered Papers: Tumor Immunology/Virology

Moderators: Thomas E. Carey, PhD, David S. Goldenberg, MD and Walter Lee, MD

15:45 **S091: Poly I:C, A TLR 3 Ligand Mediates Immune Mediated Enhanced Cytotoxicity via NK Cells in Cetuximab Mediated ADCC in Head and Neck Cancer**; Chwee Ming Lim, Ryan Stephenson, Robert L Ferris; University of Pittsburgh Medical Center

15:53 **S092: HMGB1 is Overexpressed in Tumor Cells and Promotes Activity of Regulatory T Cells in Patients with Head and Neck Cancer**; Stephan Lang, MD, Clarissa A Wild, MSc, Ramin Lotfi, MD, Xiang Gu, MD, Sven Brandau, PhD, Thomas K Hoffmann, MD, Christoph Bergmann, MD; Department of Otorhinolaryngology, University of Duisburg - Essen, Germany

16:01 **S093: Adenosine Deaminase Activity in Regulatory T Cells (Treg) and CD4+ T Effector Cells in Patients with Head and Neck Cancer**; Magis Mandapathil, MD, Edwin K Jackson, PhD, Miroslaw J Szczepanski, MD, Elisier Gorelik, PhD, Jonas T Johnson, MD, Stephan Lang, MD, Theresa L Whiteside, PhD; University of Pittsburgh Cancer Institutes, Department of Otolaryngology, University of Duisburg-Essen/ Germany

16:09 Discussion

16:15 **S094: Soluble Anti-PD-1 Antibody Enhances the Anti-Tumor Effects of the CRTE7 DNA Vaccine in Mice**; David F Smith, MD, PhD, Shiwen Peng, MD, PhD, Belinda Akpeng, BS, Suzanne Topalian, MD, Drew Pardoll, MD, PhD, Sara I Pai, MD, PhD; Department of Otolaryngology - Head and Neck Surgery, The Johns Hopkins School of Medicine

16:23 **S095: Radiation-Induced Loss of Cell Surface CD47 Enhances Immune-Mediated Clearance of HPV+ Cancer**; Daniel W Vermeer, BS, William C Spanos, MD, Paola D Vermeer, PhD, Kimberly M Lee, BS, John H Lee, MD; Sanford ENT - Head and Neck Cancer Clinic/USD Medical Center

16:31 **S096: Association between Serum Nitrite Levels and Tumor Stage, HPV Serology, and p16 Status in Patients with Locoregionally-Advanced Head and Neck Cancer**; Nathaniel L. Villanueva, BS, Amelia K Clark, Ilyse Acosta, Padmini Jayaraman, Robert Ferris, MD, PhD, Andrew Sikora, MD, PhD; Mount Sinai, University of Pittsburgh

16:39 Discussion

16:45 **S097: The Fanconi Anemia Pathway Limits Squamous Cell Carcinoma Phenotypes and HPV Replication**; Elizabeth Hoskins, Richard Morreale, PhD, Stephen Werner, Jennifer Higginbotham, Darron Brown, MD, Laimonis Laimins, PhD, Paul Lambert, PhD, Maura Gillison, MD, PhD, Gerard Nuovo, MD, Kathryn Wikenheiser-Brokamp, MD, PhD, David Witte, MD, Mi-Ok Kim, PhD, Stella Davies, MBBS, PhD, MRCP, Parinda Mehta, MD, Melinda Butsch Kovacic, MPH, PhD, Susanne Wells, PhD; Cincinnati Children's Hospital Medical Center, OH, Indiana University School of Medicine, IN, Northwestern University, IL, University of Wisconsin, WI, Ohio State University, OH

16:53 **S098: Human Papillomavirus Type 16 Integration Events Often Occur in Tumor Genes in Oropharyngeal Squamous Cell Carcinomas**; Christian U Huebbers, PhD, Nadine C Olthof, Jutta Kolligs, Frans C Ramaekers, PhD, Simon F Preuss, MD, Uta Drebber, MD, Bernd Kremer, MD, Ernst J Speel, PhD, Jens P Klussmann, MD; Department of Otorhinolaryngology, Head and Neck Surgery, University of Giessen, Giessen, Germany

17:01 **S099: Oncolytic Vaccinia Therapy of Salivary Gland Carcinoma**; Natalya Chernichenko, Gary Linkov, Pingdong Li, Richard L Bakst, Chun-Hao Chen, Shuangba He, Yong A Yu, Nanhai G Chen, Aladar A Szalay, Yuman Fong, Richard J Wong; Memorial Sloan Kettering Cancer Center

17:09 Discussion

801 Proffered Papers: Reconstruction I

Moderators: Kristi Chang, MD, Douglas A. Girod, MD, Daniel W. Nuss, MD and Christopher H. Rassekh, MD

15:45 **S100: Factors Leading to Orocutaneous Fistula Formation and Management in Oropharyngeal Reconstruction after Free Tissue Reconstruction**; Alexander T Nguyen, MD, Jesse C Selber, MD, Peirong Yu, MD; University of Texas MD Anderson Cancer Center

15:53 **S101: Long-Term Outcomes and Complications of the Osteocutaneous Radial Forearm Free Flap for Mandibular Reconstruction: A 10-Year Review**; Jill M Arganbright, MD, Doug Girod, MD, Terance Tsue, MD, Kevin Sykes, MPH, Lisa Shnayder, MD; Kansas University Medical Center

16:01 **S102: Outcomes in Head and Neck Reconstruction by Surgical Site and Donor Site**; JW Frederick, BS, L Sweeny, MD, WR Carroll, MD, GE Peters, MD, JS Magnuson, MD, EL Rosenthal, MD; The University of Alabama at Birmingham

16:09 Discussion

16:15 **S103: Prospective Evaluation of the Effectiveness of Vacuum Assisted Closure in the Management of the Fibula Free Flap Donor Site**; Michael W Ho, MRCS, MFDS, DOHNS, Simon N Rogers, MD, FDSRCS, FRCS, James S Brown, MD, FDSRCS, FRCS, Fazilet Bekiroglu, FDSRCS, FRCS, Richard J Shaw, MD, FRCS, FDSRCPS; Aintree University Hospital, Edge Hill University, University of Liverpool

16:23 **S104: A Mobile Handheld Augmented Reality Prototype for Image-Guided Head and Neck Surgery: Pre-Clinical Pilot Study for Metabolic and Anatomical Imaging Overlay**; Stephan K Haerle, MD, Harley Chan, PhD, Michael J Daly, Msc, Mark A Cachia, Jinzi Zheng, PhD, Ralph W Gilbert, MD, David P Goldstein, MD, Jonathan C Irish, MD; Dept. of Otolaryngology-Head and Neck Surgery, Princess Margaret Hospital, University Health Network, Toronto

16:31 **S105: Virtual Surgical Planning in Composite Maxillofacial Reconstruction Requiring Multiple Simultaneous Free Flaps**; Ryan Winters, MD, Adam Saad, MD, Rizwan Aslam, DO MS, Hugo St. Hilaire, DDS, MD; Tulane University, Louisiana State University - New Orleans

16:39 Discussion

16:45 **S106: Early Clinical Factors Associated with Long-Term Impaired Dysphagia-Specific Quality of Life after Free-Flap Reconstruction of Oral Cavity and Oropharyngeal Defects**; Soroush Zaghi, MD, Doug Sidell, MD, Keith Blackwell, MD, Vishad Nabili, MD; Division of Head and Neck Surgery, David Geffen School of Medicine at UCLA, University of California, Los Angeles, Los Angeles, CA

16:53 **S107: Non-Osseointegrated Dental Rehabilitation in Patients Undergoing Fibula Free Flap Reconstruction of the Mandible**; Mark W El-Deiry, MD, Terry Kelley, DMD, Christopher Tann, BS; Emory University School of Medicine, Moffitt Cancer Center, University of South Florida College of Medicine

17:01 **S108: An Aternative Pharyngeal Interposition Graft For Reduction of Morbidity following Salvage Total Laryngectomy**; Rizwan Aslam, DO MS, Ernest Chiu, MD, Paul Friedlander, MD; Tulane University School of Medicine

17:09 Discussion

17:30 - 18:30 **Poster Preview Session with Grading** EXHIBIT HALL E

Join our poster authors for a special one hour "preview" session. Posters will be graded during this time by members of the Program Committee. Posters of distinction to be revealed during Monday evening's Poster Reception.

18:30 - 20:30 **International Welcome Reception** EXHIBIT HALL F

Join us in the Exhibit Hall as we welcome you to the 8th International Conference on Head and Neck Cancer. Sponsored by our exhibitors, this event will feature cocktails and light hors d'oeuvres. This event is free to all scientific session attendees and registered accompanying persons.

At 7:00 pm, please visit Intuitive Surgical in booth 1205 for a special presentation, and an opportunity to view Hi Definition 3 Dimensional da Vinci TORS clinical videos and experience da Vinci Si technology hands on!

Scientific Session

Monday, July 23, 2012

GENERAL SESSION

EXHIBIT HALL G

06:15 - 08:00 **Satellite Symposium**

718A Intuitive Surgical Educational Symposium: "The Role of da Vinci TORS in the Multi-Disciplinary Treatment of Head & Neck Cancer"

Speakers: Bert O'Malley, MD
Hospital of the University of Pennsylvania
J. Scott Magnuson, MD
University of Alabama School of Medicine
Harry Quon, MD
Johns Hopkins University
Gregory S. Weinstein, MD
Hospital of the University of Pennsylvania

Join us for a discussion with some of the world's top da Vinci TORS experts to learn more about integrating da Vinci into the multi-modality treatment paradigm for your patients

This is a non-CME activity presented and supported by Intuitive Surgical.

Registration is FREE for all 8th International Conference attendees.

07:30 - 09:00 **Jatin P. Shah Symposium on Clinical Controversies in Head and Neck Cancer**

"Papillary Thyroid Cancer"

Panel Moderator: Jeremy L. Freeman, MD

An interactive panel on the clinical controversies in the management of head and neck cancer (papillary thyroid cancer).

Panelists: Douglas B. Evans, MD, Bryan P. McIver, PhD, Gregory W. Randolph, MD and Lorne E. Rotstein, MD

At the conclusion of this session, participants will be able to:

1. Apply guidelines to decide to perform central dissection;
2. Understand when and how to perform nerve monitoring;
3. Decide when investigations are appropriate for the lateral neck;
4. When to administer RAI.

09:00 - 09:30 **AHNS Awards Ceremony**

Presented by:

D. Gregory Farwell, MD – Awards Committee Chair
Cherie Ann Nathan – Research Committee Chair
Robert L. Ferris, MD, PhD – Research Committee Co-Chair
Wendell G. Yarbrough, MD – Research Committee Co-Chair

09:30 - 10:15 **AHNS Presidential Address & Honors**

"The Care of the Head and Neck Cancer Patient is a Team Sport"

Carol R. Bradford, MD

Professor & Chair of Otolaryngology and Co-Director, Head and Neck Oncology Program, University of Michigan Health System, Ann Arbor, MI

Introduction by Mark K. Wax, MD, AHNS President-Elect

At the conclusion of this lecture, participants will be able to:

1. Provide improved patient-centered care based upon knowledge of how to create cooperative, collaborative, and high-functioning interdisciplinary teams;
2. Understand strategies to develop novel clinical trials to test innovation in head and neck cancer care that can create the evidence basis for the future care of the head and neck cancer patient;
3. Provide optimal personalized care for each head and neck cancer patient by considering the patient, the biology of the tumor, and the best evidence in a multidisciplinary team-based fashion.

AHNS acknowledges generous educational grants in support of this course from our Platinum Level Donor: Pfizer

Distinguished Service Award
Ashok R. Shaha, MD

Presidential Citations
Timothy M. Johnson, MD
Teresa Lyden, M.A., CCC-SLP
Tamara H. Miller, R.N.
Suresh K. Mukherji, MD
Francis P. Worden, MD

10:00 - 16:00 **Exhibit Hall Open And Poster Viewing** EXHIBIT HALLS E&F

10:15 - 10:45 **Morning Coffee Break** EXHIBIT HALL F

10:45 - 12:15 **Panels and Proffered Papers**

718A Panel: The Current Management of Melanoma: A Multi-Disciplinary Approach

Panel Moderator: Elliot Abemayor, MD, PhD

This session will review the current state-of- the-art regarding optimal use of surgical treatment, radiation and systemic therapy in head and neck melanoma. The utility of each of each of these will be reviewed with updated recommendations given for management.

10:45	**Surgical Treatment**	Carol R. Bradford, MD
11:05	**Management of Regional Disease**	Larry L. Myers, Jr., MD
11:25	**Systemic and Targeted Therapies**	Anthony Joshua, MD
11:45	**Indications for Radiation Treatment**	Sandro V. Porceddu, MD
12:05	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Optimally choose the most appropriate pretreatment workup for patients with melanoma and design the most effective surgical treatment options including appropriate use of surgical margins and sentinel node biopsies;

2. Utilize the most appropriate and efficacious radiation therapy techniques and schedules;
3. Appropriately integrate systemic therapies for localized and metastatic melanoma of the head and neck

[SURG]

718B Panel: The Evolving Role of Induction Chemotherapy

Panel Moderator: David J. Adelstein, MD

This session will review the existing and recent evidence about the role of induction chemotherapy in the management of squamous cell head and neck cancer. The current use of induction in larynx preservation and as a predictive marker will be presented. The potential value of newer, less well tested induction chemotherapy regimens will be discussed.

10:45	**What Have We Learned from the Randomized Trials?**	David J. Adelstein, MD
11:05	**Standard and Non-Standard Induction Regimens**	William N. William, Jr., MD
11:25	**Induction Chemotherapy as an Organ Preservation Strategy**	Lisa Licitra, MD
11:45	**Induction Therapy as a Predictive Marker**	Frank P. Worden, MD
12:05	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand the evidence supporting the use of induction chemotherapy in the management of squamous cell head and neck cancer;
2. Define the optimal induction regimens and address the potential of newer, less tested induction schedules;
3. Consider the role of induction chemotherapy in larynx preservation strategies;
4. Interpret the predictive value of induction chemotherapy and the resultant treatment implications.

[MEDONC]

701A Panel: Therapy for Refractory Thyroid Cancer

Panel Moderators: Jan L. Kasperbauer, MD

Refractory thyroid cancer presents a myriad of challenges for the physician and patient. This panel will explore the surgical management of advanced local and regional refractory thyroid cancer as well as the indications for external beam radiation therapy in this patient population. The opportunity to improve outcomes via traditional chemotherapy and the expanding number of molecularly targeted options and immunotherapy will be discussed.

10:45	**Introduction: The Spectrum of Refractory Thyroid Cancer**	Jan L. Kasperbauer, MD
10:50	**Surgical Management for Advanced Local Disease: Maximizing Outcomes while Minimizing Morbidity**	Dennis H. Kraus, MD
11:05	**Advanced Regional Disease: Establishing the Limits of Surgical Resection**	Miljenko Bura, MD, PhD
11:20	**External Beam Radiation: Indications and Outcomes in Local, Regional, and Distant Disease**	James Brierley, MD

11:35 **Systemic Therapy: Trials, Tribulations, and Successes** — Shereen Ezzat, MD

11:50 **Case Presentations** — Jan L. Kasperbauer, MD

12:00 **Audience Questions**

At the conclusion of this session, participants will be able to:

1. Provide patients with refractory thyroid cancer a complete menu of options for disease management;
2. Integrate the options of surgery, external beam irradiation, and systemic therapy;
3. Generate meaningful improvement in quality of life for patients with refractory thryoid cancer;
4. Detect thyroid cancers with refractory characteristics.

[SURG]

701B Proffered Papers: Basic Science

Moderators: Umamaheswar Duvvuri, MD PhD, Stephen Y. Lai, MD, PhD and Pedro Michaluart, Jr., MD

10:45 **S109: Kinome Profiling Identifies Novel Therapeutic Targets in p53-mutant, Metastatic Head and Neck Squamous Cell Carcinoma**; Luisa Angelica Lerma, MD, Joshua C Anderson, PhD, Chang Xu, PhD, Michael Kao, Kyoung-Hee Kim, MS, James Annis, Timothy D Rohrbach, Carla Grandori, MD, PhD, Christopher D Willey, MD, PhD, Eduardo Méndez, MD, MPH; 1. Fred Hutchinson Cancer Research Center, Seattle, WA. 2. University of Washington, Seattle, WA. 3. University of Alabama at Birmingham, Birmingham, AL

10:53 **S110: A Modular Polymer Platform for the Delivery of Cytokines is Effective in the Treatment of Head and Neck Squamous Cell Carcinoma (HNSCC)**; Yuan Lin, Arnold Suwarnasarn, Jie Luo, David Elashoff, Steven Dubinett, Ben Wu, Maie St John; University of California, Los Angeles

11:01 **S111: MicroRNA let-7 Suppresses Nasopharyngeal Carcinoma Cells Proliferation Through Downregulating c-Myc Expression**; Jimmy Yu Wai Chan, MBBS, MS MRCS, FCSHK, FHKAM, William Ignace Wei, MBBS, MS, FRCS, FACS; University of Hong Kong

11:09 Discussion

11:15 **S112: Gx-051, MSC-Based IL-12M Gene Vaccine, Leads to Enhance Radiation-Induced Apoptosis of Squamous Cell Carcinoma of the Head and Neck (HNSCC)**; Jiyoung Yeo, Kwang-Jae Cho, Young-chul Sung, Young-Hoon Joo, Jun-Ook Park, Inn-chul Nam, Min-Sik Kim, Jae Cho Kwang; Postech-Catholic Biomedical Engineering Institute, The Catholic University of Korea, Pohang University of Science & Technology

11:23 **S113: RASSF1a Promoter Hypermethylation in Adenoid Cystic Carcinoma**; Justin A Bishop, MD, Marietta L Tan, MD, Chunbo Shao, PhD, Ami R Vikani, William H Westra, MD, Patrick K Ha, MD; The Johns Hopkins Hospital

11:31 **S114: CD271 is a Pro-Tumorigenic Marker in Head and Neck Squamous Cell Carcinoma**; Oihana Murillo, PhD, June Ho Shin, PhD, Richard Oakley, MD, James Tysome, MD, James Lewis, MD, Frank Chen, BS, Ravi Uppaluri, MD, PhD, Michael Kaplan, MD, John B Sunwoo, MD; Stanford University

11:39 Discussion

11:45 **S115: Carnosol, a Constituent of Zyflamend, Inhibits Aryl Hydrocarbon Receptor-Mediated Activation of CYP1A1 and CYP1B1 Transcription and Mutagenesis**; Arash Mohebati, MD, Joseph B Guttenplan, PhD, Amit Kochhar, MD, Kotha Subbaramaiah, PhD, Andrew J Dannenberg, MD; Memorial Sloan-Kettering Cancer Center, New York University Dental College, Weill Cornell Cancer Center

11:53 **S116: Snail1 Regulates MMP-Dependent Invasive Activities through Cancer Cell EMT Programs in Head and Neck Cancer Cells**; Ichiro Ota, MD, PhD, Katsunari Yane, MD, PhD, Takashi Masui, MD, Noritomo Okamoto, MD, PhD, Jong-In Yook, PhD, Hiroshi Hosoi, MD, PhD, Stephen J Weiss, MD; Dept of Otolaryngology, Nara Medical University, Japan

12:01 **S117: CD200 is Associated with Cancerstem-Cell Features and Therapy Resistance in HPV+ Tonsil Squamous Cell Carcinoma**; Yuh-S. Jung, MD, PhD, Paola Vermeer, PhD, Dan Vermeer, BS, John H. Lee, MD; Head and Neck Oncology Center, National Cancer Center, Goyang, Korea, Sanford Cancer Research Center, University of South Dakota, Sioux Falls, SD

12:09 Discussion

714 Proffered Papers: New Therapeutic Targets I

Moderators: Adam S. Garden, MD, Ken-Ichi Nibu, MD and John B. Sunwoo, MD

10:45 **S118: Lipid-Based Nanoparticle Delivery of Pre-miR-107 Inhibits the Tumorigenicity of Head and Neck Squamous Cell Carcinoma**; Longzhu Piao, PhD, Manchao Zhang, PhD, Jharna Datta, PhD, Xiujie Xie, PhD, Tizhi Su, PhD, Hong Li, PhD, Theodoros Teknos, MD, Quintin Pan, PhD; The Ohio State University Medical Center

10:53 **S119: Flexible Targeting of Diverse ErbB Dimers to Treat Patients with Squamous Cell Carcinoma of Head and Neck, Following Loco-Regional Recurrence**; Jean-Pierre Jeannon, MD, FRCS, John Maher, MD, PhD, Sjoukje Van Der Stegen, BSC, Leticia Bosshard-Carter, BSC, May Van Schalkwyk, BSC, Sophie Burbridge, MD, PhD, James Spicer, MD, PhD, Ana Parente Pereira, BSC, Teresa GuerreroUrbano, MD, PhD, FRCR, David Davies, MD; Guy's & St Thomas' NHS Hospital & King's Healthcare Partners

11:01 **S120: Novel Therapeutic Chemovirotherapy for HNSCC with EGFR-Targeted and CD/UPRT-Armed Oncolytic Measles Virus**; Karim Zaoui, MD, Sascha Bossow, PhD, Christian Grossardt, Mathias F Leber, Christoph Springfeld, MD, PhD, Christof von Kalle, MD, Peter K Plinkert, MD, Guy Ungerechts, MD, PhD; Department of Otorhinolaryngology, Head&Neck Surgery, University Hospital Heidelberg, Heidelberg, Germany; Department of Translational Oncology, National Center for Tumor Diseases, German Cancer Research Center (DKFZ), Heidelberg

11:09 Discussion

11:15 **S121: p300/CH1 Reactivates p53 to Inhibit the Tumorigenicity of HPV-Positive Head and Neck Squamous Cell Carcinoma**; Xiujie Xie, PhD, Longzhu Piao, PhD, Theodoros Teknos, MD, Quintin Pan, PhD; The Ohio State University Medical Center

11:23 **S122: TP53 Mutational Status Stratified by Evolutionary Gradient and Structure Model is a Predictive Biomarker of Resistance to Platinum Based Chemotherapy in Head and Neck Squamous Cell Carcinoma which Can be Overcome with Docetaxel**; David M Neskey, MD, Abdullah A Osman, PhD, Panagiotis Katsonis, PhD, Ameeta Patel, BS, Carlos Caulin, PhD, Olivier Lichtarge, MD, PhD, Jeffrey N Myers, MD, PhD; MD Anderson Cancer Center

11:31 **S123: Telomerase-Specific Oncolytic Adenovirus Exerts Antitumor Effects on Radiation-Resistant Platinum-Refractory Head and Neck Squamous Cell Carcinoma Cells**; Hideaki Takahashi, MD, Hiroshi Hyakusoku, MD, Masahiro Takahashi, MD, PhD, Goshi Nishimura, MD, PhD, Takahide Taguchi, MD, PhD, Hideki Matsuda, MD, PhD, Yasuo Urata, Daisuke Sano, MD, PhD; Yokohama City University Graduate School of Medicine

11:39 Discussion

11:45 **S124: The Novel Compound Minnelide Induces Head and Neck Squamous Carcinoma Cell Death and Targets HPV-E6 Oncoprotein in Vitro and in Vivo**; Emiro Caicedo-Granados, MD, Caitlin Clements-Green, BS, Veena Sangwan, PhD, Ashok Saluja, PhD; University of Minnesota

11:53 **S125: The Unfolded Protein Response (UPR) Chaperone GRP78, as a Therapeutic Target in Squamous Cell Carcinoma of the Head and Neck (SCCHN)**; Mohammed Afeef Aslam, Mr, Nikolina Vlatkovic, Dr, Michael Wall, Dr, Jon Sheard, Dr, Joseph Backer, Dr, Mark T Boyd, Dr, Terence M Jones, Professor; Liverpool CR-UK Centre, University of Liverpool, 200 London Road, Liverpool L3 9TA, UK, Aintree University Hospitals NHS Foundation Trust, Lower Lane, Liverpool, L9 7AL, UK

12:01 **S126: Novel Gene Therapy for Head & Neck Squamous Cell Carcinoma - Sendai Virus Mediated FUSE Binding Protein Interacting Repressor (FIR) Therapy**; Nobuaki Tanaka, MD, Koji Araki, MD, PhD, Daisuke Mizokami, MD, Hiroshi Suzuki, MD, Taku Yamashita, MD, PhD, Masayuki Tomifuji, MD, PhD, Yasuji Ueda2), PhD, Makoto Inoue2), PhD, Mamoru Hasegawa, PhD, Kazuyuki Matsushita3), MD, PhD, Fumio Nomura3), MD, PhD, Hideaki Shimada, MD, PhD, Akihiro Shiotani, MD, PhD; 1) Dept. of Otolaryngology-Head & Neck Surgery, National Defense Medical College, Japan 2) DNAVEC Corporation, Japan 3) Dept. of Molecular Diagnosis, Chiba University, Japan 4) Dept. of Surgery, Toho University, Japan

12:09 Discussion

716 Proffered Papers: Oropharynx II

Moderators: Apostolos Christopoulos, MD, Se-Heon Kim, MD and Alexander D. Rapidis MD, PhD

10:45 **S127: Towards Evaluation of the Role of Ex-Vivo Models in Transoral Robotic Surgery (TORS) Training for Otolaryngology**; Martin Curry, DO, Anand Malpani, BTech, Ray Blanco, MD, Patrick Ha, MD, Joseph Califano, MD, Rajesh Kumar, PhD, Jeremy Richmon, MD; Johns Hopkins University

10:53 **S128: The Impact of Retropharyngeal Adenopathy in Oropharyngeal Cancer**; AS Garden, MD, GB Gunn, MD, WH Morrison, MD, EM Sturgis, MD, MPH, DI Rosenthal, MD; University of Texas M.D.Anderson Cancer Center

11:01 **S129: Transoral Robotic Surgery and Transoral Laser Microsurgery for Advanced Stage Oropharyngeal Squamous Cell Cancer**; Baran D Sumer, MD, FACS, Varun Goyal, MD, John M Truelson, MD, FACS, Larry L Myers, MD, FACS; UT Southwestern Medical Center

11:09 Discussion

11:15 **S130: Basaloid Squamous Cell Carcinoma of the Head and Neck: Location Means Everything**; Valerie A Smith, MD, Eric J Lentsch, MD; Department of Otolaryngology – Head and Neck Surgery, Medical University of South Carolina

11:23 **S131: Postradiation Neck Dissection in Patients with Oropharyngeal Squamous Cell Carcinoma Stratified by p16 Status and Its Future Use as Selection Criteria for Neck Dissection**; Kunal S Jain, MD, Erika Doxtader, MD, Jack Hsu, MD; State University of New York Upstate Medical University

11:31 **S132: Transoral Robotic Retropharyngeal Lymph Node Dissection**; Babak Givi, MD, Will Stott, BS, Teresa Kochanowski, NP, Neil D Gross, MD; Oregon Health Sciences University

11:39 Discussion

11:45 **S133: Radiologic Extracapsular Spread Alone is Not Predictive of Survival in Oropharyngeal Squamous Cell Carcinoma**; Matthew E Spector, MD, Steven B Chinn, MD, MPH, Emily Bellile, MS, K Kelly Gallagher, MD, Mohannad Ibrahim, MD, Serena Byrd, MD, Eric J Chanowski, MD, Heather M Walline, MS, Jeffrey S Moyer, MD, Mark E Prince, MD, Gregory T Wolf, MD, Carol R Bradford, MD, Jonathan B McHugh, MD, Kitrina Cordell, DDS MS, Thomas E Carey, PhD, Francis P Worden, MD, Avraham Eisbruch, MD, Douglas B Chepeha, MD, MSPH; University of Michigan

11:53 **S134: Current Practices Attitudes Toward HPV Education and Vaccination Among Head and Neck Surgeons**; Kelly M Malloy, MD, Stacey M Ellender, PhD, David Goldenberg, MD, Robert W Dolan, MD; The Perelman School of Medicine at the University of Pennsylvania, The Lahey Clinic Medical Center, Penn State Hershey- The Milton S. Hershey Medical Center, and the Education Committee of the American Head and Neck Society

12:01 **S135: Does Sub-Site Effect Clinical Outcome in the Treatment of Advanced Stage Oropharyngeal Carcinoma**; Vishal Gupta, MD, Krishnakumar K Thankkapan, MD, Anurag Singh, MD, Hassan Arshad, MD, Vijayvel Jayaprakash, PhD, Daniel L Stoler, PhD, Yujie Zhao, MD, Moni Kuriakose, MD, Wesley L Hicks, Jr., MD; Roswell Park Cancer Institute, Buffalo, NY 14263 USA/Narayana Hrudayalaya Hospital, Bengaluru, India, 560 099

12:09 Discussion

801 Proffered Papers: Skull Base

Moderators: Dan M. Fliss, MD, Derrick T. Lin, MD and Adam Zanation, MD

10:45 **S136: Computer Planning and Intraoperative Navigation for Surgery of the Midface and Skull Base**; Michael R Markiewicz, DDS, MPH, MD, Tuan Bui, DDS, MD, Eric J Dierks, DMD, MD, Joshua Lubek, MD, DDS, Katie Weimer, MS, Savannah Gelesko, DDS, R. Bryan Bell, MD, DDS; Oral, Head and Neck Cancer Program, Providence Cancer Center; Oregon Health and Science University; Legacy Emanuel Medical Center; Portland, OR and the University of Maryland, Baltimore, MD

10:53 **S137: Localized Intraoperative Virtual Endoscopy (LIVE) in Sinus and Skull Base Patients**; Stephan K Haerle, MD, Michael J Daly, Msc, Harley Chan, PhD, Allan Vescan, MD, Ian Witterick, MD, Ben Dixon, MD, Jonathan C Irish, MD; Dept. of Otolaryngology-Head and Neck Surgery, Princess Margaret Hospital, Mount Sinai Hospital, University Health Network, Toronto

11:01 **S138: Multimodality Therapy Optimizes Outcomes in Esthesioneuroblastoma**; Thomas J Ow, MD, MS, Ehab Y Hanna, MD, Dianna B Roberts, PhD, Nicholas B Levine, MD, Adel K El-Naggar, MD, PhD, David I Rosenthal, MD, Franco DeMonte, MD, Michael E Kupferman, MD; University of Texas MD Anderson Cancer Center

11:09 Discussion

11:15 **S139: Facial Artery Myomucosal (FAMM) Flap in the Reconstruction of the Skull Base Defects: A Cadaveric Study**; Liyue Xie, MD, Sami Pierre Moubayed, MD, Akram Rahal, MD, FRCSC, François Lavigne, MD, FRCSC, Tareck Ayad, MD, FRCSC; Université de Montréal

11:23 **S140: Craniofacial Resection for T4 Maxillary Sinus Cancer**; Yasushi Fujimoto, MD, Naoki NIshio, MD, Masazumi Fujii, MD, Yuzuru Kamei, MD, Toshiro Yagi, Kiyoshi Saito, MD, Masakatsu Takahashi, MD, Takashi Maruo, MD, Mariko Hiramatsu, MD, Tsutomu Nakashima, MD; Nagoya University Hospital

11:31 **S141: Immunohistochemical Staining Patterns of Chondrosarcomas and Chordomas of the Clivus**; Courtney B Shires, MD, Virginia A Livolsi, MD, Christopher H Rassekh, MD, Laurie A Loevner, MD, Kathleen Montone, MD, Michael S Grady, MD, Bert W O'Malley, Jr., MD; University of Pennsylvania Department of Otorhinolaryngology-Head & Neck Surgery

11:39 Discussion

11:45 **S142: Surgery and Chemoradiotherapy for Cancer of the Ear**; K Nibu, S Hasegawa; E Kohmura, Kobe University Graduate School of Medicine

11:53 **S143: Treatment and Survival in Squamous Cell Carcinoma of the Temporal Bone 1965-2011**; Mitchell R Gore, MD, PhD, Adam M Zanation, MD; University of North Carolina at Chapel Hill

12:01 **S144: Rhabdomyosarcoma of the Skull Base: Prognostic Factors and Treatment Outcomes**; Christopher Thompson, MD, Brandon Kim, BS, Tristan Grogan, MS, Chi Lai, MD, David Elashoff, PhD, Maie St. John, MD, PhD, Marilene Wang, MD; University of California Los Angeles Medical Center

12:09 Discussion

12:30 - 13:30 **Lunch with the Professors** $ Additional fees apply

703 Employing Targeted Therapies in a Clinical Setting

Speakers: Barbara A. Burtness, MD and David Raben, MD

This session will review the current state-of- the-art regarding the emerging role of administering biologically based therapies alone or with chemotherapy and/or radiation. Emphasis will be placed on critical pathways and potential targets that drive growth, especially in HPV/P16 negative cancers presented. Attendees will hear a discussion of targeted agents that have been successfully integrated into clinical management, and what the new drugs going into clinical trials are for 2012.

At the conclusion of this session, participants will be able to:

1. Understand the current and past clinical trials that have been performed with agents against epidermal growth factor inhibitors in locally advanced and advanced HNSCC;
2. Understand the emerging biology in regards to additional pathways driving HNSCC including Akt/PI3K, mTOR, PARP and cMET.

[MEDONC]

705 The Epidemiology of Head and Neck Cancer

Speakers: Mia Hashibe, PhD and Alice J. Sigurdson, PhD

We will discuss the epidemiology of head and neck and thyroid cancers in terms of recent changing trends, new risk factors and genetic susceptibility.

At the conclusion of this session, participants will be able to:

1. Understand what epidemiology is;
2. Understand changing trends for head and neck/thyroid cancers;
3. Understand the lifestyle and genetic risk factors contributing to head and neck/thyroid cancer risk.

[HEALTH]

707 Functional Imaging

Speakers: Laurie A. Loevner, MD

We will review advanced MRI techniques including diffusion weighted imaging and perfusion imaging (dynamic contrast enhanced MRI and CT perfusion) as well as PET in the assessment of patients with head and neck cancer. Accepted applications as well as potential roles of these functional imaging modalities in the preoperative and postoperative settings will be addressed. The physiologic properties that these imaging techniques assess will be discussed.

At the conclusion of this session, participants will be able to:

1. Discuss the strengths and limitations of functional imaging tests in the assessment of head and neck cancer patients;
2. Discuss the complimentary roles that conventional and advanced functional imaging techniques play in the evaluation of head and neck cancer;
3. Discuss the physiology and pathophysiology that these functional techniques interrogate;
4. Discuss potential applications of these techniques in assessing treatment response to chemotherapy and irradiation.

[RAD]

709 Management of Combined Modality Toxicities

Speakers: Kevin M. Higgins, MD and Bevan Yueh, MD

This session is geared towards a frank discussion on some of the fey late-term toxicities facing the advanced head and neck cancer patient in the organ-preservation protocol era: 1) xerostomia, 2) soft-tissue fibrosis and lymphedema, and 3) dysphagia and pharyngo esophageal stenosis. This session will outline the incidence and extent of the problem, the profound quality of life impact facing the head and neck cancer patient, elaborate on some novel treatment strategies to tackle these vexing toxicities and present and forum for collaborative discussion and the role for multi-centre collaborative quality of life and novel therapeutic outcomes research.

At the conclusion of this session, participants will be able to:

1. Understand the incidence / impact / prevention / treatment strategies involving xerostomia amongst the head and neck cancer population;
2. Understand the incidence / impact / prevention / treatment strategies involving soft-tissue fibrosis and lympdema amongst the head and neck population;
3. Understand the incidence / impact / prevention / treatment strategies involving dysphagia and pharygoesophageal stenosis amongst the head and neck population.

[REHAB/QOL]

711 NCCN Guidelines and Medical Oncology Therapeutics

Speakers: Robert I. Haddad, MD and David G. Pfister, MD

This session will briefly review the methods used to develop and update the NCCN practice guidelines. A case-based approach will then be used to illustrate how the NCCN head and neck cancer practice guidelines can facilitate the management and medical decision making for 2 common clinical scenarios in which medical oncology therapeutics figure prominently with regard to treatment options (eg, treatment of patients with advanced oropharynx cancer; adjuvant postoperative therapy in patients with resected disease and poor risk pathologic features).

At the conclusion of this session, participants will be able to:

1. Understand the methods used to develop and update the NCCN practice guidelines;
2. Apply the NCCN head and neck practice guidelines to facilitate the management and medical decision making for patients with advanced oropharynx cancer or resected disease with poor risk pathologic features;
3. Increase the likelihood that all treatment options are considered in patients with the discussed scenarios, and that treatment is guided by the best available evidence.

[MEDONC]

715A Putting the Personal Back in Personalized Cancer Therapy: A Physician's Experience as a Head and Neck Cancer Patient

Speakers: Itzhak Brook, MD

Describe the patient perspectives of being diagnosed, treated and live with head and neck cancer and its consequences such as becoming a laryngectomee. Physician's and other health care provider's attitude toward head and neck patients, as seen by their patient.

At the conclusion of this session, participants will be able to:

1. Better understand the patient's perspectives of being diagnosed, treated and live with head and neck cancer and its consequences;
2. Be aware of the deficiencies that are common in H&N cancer patient care;
3. Understand the importance of better communication between health care providers to improve care and prevent medical errors;
4. Appreciate the importance of the psychological well-being of the patient.

[GUIDE]

715B Reducing Morbidity in Endoscopic Skull Base Procedures

Speakers: Benedict Panizza, MD and C. Arturo Solares, MD

The session will discuss opportunities to reduce complications when performing endoscopic skull base surgery through better understanding of the endoscopic anatomy and the limitations of the procedure. The difficulties with learning and implementing endoscopic surgery techniques will be discussed in detail and recommendations will be made in regards to how to carry this out in a safe an effective manner.

At the conclusion of this session, participants will be able to:

1. Describe the key anatomic landmarks in endoscopic skull base surgery;
2. Describe the recommended step-wise approach to implementing and endoscopic skull base practice.

[SURG]

717A Tumor Board: Pharynx/Larynx

Chair: John Kim, MD

Speakers: Jay O. Boyle, MD, Pankaj Chaturvedi, MD Arlene A. Forastiere, MD, Bayardo Ordonez-Perez, MD and Hadi Seikaly, MD

The lunch will feature oropharynx cancer case presentations of by each of the faculty and a round table discussion of management options in a tumor board-like format. Attendees may participate actively with questions comments or cases of their own.

At the conclusion of this session, participants will be able to:

1. Understand the factors in treatment selection for oropharynx cancer;
2. Know the impact of HPV and smoking on decision making prognosis of oropharynx cancer;
3. Appreciate the evolving roll of robotic surgery in oropharynx cancers;
4. Understand the indications for radiation or chemoradiation as primary modalities for oropharynx cancer.

[SURG]

717B Tumor Board: Thyroid Neoplasms

Chair: Anna Sawka, MD, PhD

Speakers: Claudio Cernea, MD, Raphael Feinmesser, MD, Jeremy L. Freeman, MD and Adel K. El-Naggar, MD

The dramatic increase in incidence of thyroid neoplasms has led to numerous clinical challenges and has required multidisciplinary patient management. This activity is designed to provide in depth consideration of clinical scenarios related to detection and surgical management of thyroid cancer, both differentiated and aggressive/poorly differentiated. Illustrative case scenarios will be used as focal points to allow surgeon and endocrinology input regarding extent of surgery, role and dose of postoperative radioiodine therapy, and techniques for accurate and cost-efficient surveillance.

At the conclusion of this session, participants will be able to:

1. Understand the available techniques, sensitivity and specificity of techniques for evaluating the thyroid nodule, including ultrasound, fine needle biopsy cytology, and thyroid nuclear imaging/PET scans;
2. Describe the criteria for selecting patients for thyroid lobectomy, for total thyroidectomy, and for central and lateral nodal resection;
3. Compare the efficacy data for radioactive iodine use in thyroid cancer, including dose and use of dosimetry, in the setting of thyroid hormone withdrawal or thyrogen administration.

[SURG]

13:45 - 15:15 **PANELS AND PROFFERED PAPERS**

718B Panel: Concurrent Chemoradiotherapy: Controversies Regarding Drug Choice and Radiation Technique

Panel Moderator: David J. Adelstein, MD

This session will review the current state-of- the-art regarding the optimal use of concurrent radiation and systemic therapy. The use, dose, scheduling and integration of cytotoxic agents and cetuximab will be presented, and the advantages and disadvantages of current radiation treatment options discussed.

13:45	**Which Platin, How Much and How Often?**	David J. Adelstein, MD
14:05	**There Must Be Other Cytotoxics**	Jill Gilbert, MD
14:25	**Conventional, Accelerated, Hyperfractonated or Modulated?**	David M. Brizel, MD
14:45	**After 0522 – Is There Still a Role for Chemoradiotherapy and Cetuximab?**	David I. Rosenthal, MD
15:05	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Optimally choose the most appropriate cytotoxic agent(s), doses and schedules for concurrent chemoradiotherapy;
2. Utilize the most appropriate and efficacious radiation therapy technique and schedule;
3. Appropriately integrate cetuximab into current chemoradiotherapy regimens.

[MEDONC]

718A Panel: HPV: Epidemiology, Behavior, Prevention and Clinical Implications

Panel Moderator: Erich M. Sturgis, MD

This panel will review the impact of the epidemic of HPV-associated oropharyngeal cancer. The current epidemiology of HPV-associated oropharyngeal cancer, the behaviors/risk factors associated with this disease, role of HPV vaccination in disease prevention, and the implications of HPV on clinical outcomes as well as present/future trial design will all be presented.

13:45	**Epidemiology of and Behavioral Risk Factors for HPV Related Cancers**	Gypsyamber D'Souza, PhD
14:05	**Clinical Implications of HPV among Head and Neck Cancer Patients**	Erich M. Sturgis, MD
14:25	**Available and Developing Clinical Trials for HPV-Associated Oropharyngeal Cancer**	Andy M. Trotti, III, MD
14:45	**HPV Preventive Vaccination and Potential Immunotherapy for HPV Related Cancers**	Robert L. Ferris MD, PhD
15:05	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Discuss openly behaviors associated with the risk of HPV-associated oropharyngeal cancer or oral HPV infection;
2. Make treatment choices for patients with HPV-associated oropharyngeal cancer, which may be more or less aggressive based upon a better understanding of the other prognostic factors among such patients;

3. Provide to parents the accurate current recommendations for HPV vaccination in children;
4. Provide basic recommendations for clinical trial options available to patients with HPV-associated oropharyngeal cancer.

[HEALTH]

701A Panel: Targeted Therapies in Head and Neck Cancer

Panel Moderator: Ezra E. Cohen, MD

This session will describe new developments in targeted therapy in head and neck cancer. The session will cover newly identified targets for therapy, novel agents being developed, and clinical trials that are underway.

13:45	**EGFR Therapeutics**	Ezra E. Cohen, MD
14:03	**Resistance to EGFR Therapy**	Amanda Psyrri, MD, PhD
14:21	**New Options and Novel Pathways**	Antonio Jimeno, MD, PhD
14:39	**Targeting the Apoptotic Pathway**	Jacques Nör, DDS, PhD
14:57	**Discussion**	

1. Summarize current standard use of EGFR targeted agents in the context of HNSCC;
2. Discuss how signaling through other transmembrane receptors can confer resistance to EGFR-targeting agents;
3. Discuss critical effectors downstream of EGFR, including PLC-γ, PI3K. PTEN, RAS and the STAT proteins, as factors in resistance to EGFR inhibition and as targets for therapeutic intervention;
4. Understand the state-of-the-science in the field of BH3-mimetic therapy in head and neck cancer;
5. Understand the effects of BH3-mimetics drugs in head and neck tumor angiogenesis;
6. Understand the rationale for a metronomic regimen of BH3-mimetics drugs in head and neck cancer;
7. Review new genetic-driven targets;
8. Review new non genetic-driven targets;
9. Review novel combinations with upfront chemoradiation.

[MEDONC]

701B Proffered Papers: Sentinel Node/N0 Neck

Moderators: Karen T. Pitman, MD, Brendan C. Stack, Jr., MD and Michiel W. M. van den Brekel, MD, PhD

13:45 **S145: Staging Sentinel Node Biopsy in Early Oral Cancer: A Single Institution Experience with Long-Term Follow Up**; Jennifer Frustino, Thom Loree, Vijayvel Jayaprakash, Vishal Gupta, Saurin Popat, Maureen Sullivan, Hassan Arshad, Mark Burke, Nestor Rigual; Roswell Park Cancer Institute, Erie County Medical Center

13:53 **S146: Use of a Novel Receptor-Targeted (CD206) Radiotracer, 99mTc-Tilmanocept, and SPECT/CT for Sentinel Lymph Node (SLN) Mapping in Head and Neck Squamous Cell Carcinoma (SCCa): Initial Report of Institutional Experience in an Ongoing Phase 3 Study**; Anna Marcinow, MD, Nathan Hall, MD, PhD, Theodoros Teknos, MD, Matthew Old, MD, Amit Agrawal, MD; Ohio State University

14:01 **S147: Thin Serial Step Sectioning of Sentinel Lymph Node Biopsy is Not Necessary to Accurately Stage the Neck in Oral Squamous Cell Carcinoma**; R. Bryan Bell, MD, DDS, Michael R Markiewicz, DDS, MD, Eric J Dierks, MD, DMD, Anne Rader, MD, Oral, Head and Neck Cancer Program; Providence Cancer Center, Legacy Emanuel Medical Center, Oregon Health and Science University

14:09 Discussion

14:15 **S148: Diagnostic Value of Sentinel Lymph Node Biopsy in Head and Neck Cancer: A Meta-Analysis**; Christopher Thompson, MD, Tristan Grogan, MS, Georges Lawson, MD, David Elashoff, PhD, Maie St. John, MD, PhD, Abie Mendelsohn, MD; University of California Los Angeles Medical Center

14:23 **S149: Does Elective Neck Dissection in T1-T2 Oral Tongue and Floor of the Mouth Squamous Cell Carcinoma Influence Recurrence and Survival?**; Natalie Kelner, MSc, DDS, Jose Guilherme Vartanian, PhD, MD, Clovis Pinto, PhD, MD, Joao Goncalves, PhD, MD, Claudia Coutinho Camillo, PhD, Luiz Paulo Kowalski, PhD, MD; A.C.Camargo Hospital

14:31 **S150: 99m-Tc-Tilmanocept-Identified Sentinel Lymph Nodes Relative to the Pathological Status of Non-Sentinel Lymph Nodes in an Elective Neck Dissection in Cutaneous and Intraoral Head and Neck Squamous Cell Carcinoma: A Single Institutional Experience**; Stephen Y Lai, MD, PhD, Michelle D Williams, MD, Beth A Chasen, MD, Carol M Lewis, MD, MPH, Amy C Hessel, MD, Ann M Gillenwater, MD, Eric M Rohren, MD, PhD, Jeffrey N Myers, MD, PhD, Randal S Weber, MD; University of Texas M.D. Anderson Cancer Center

14:39 Discussion

14:45 **S151: Recurrence of Head and Neck Cutaneous Melanoma After Negative Sentinel Lymph Node Biopsy**; Melinda Davis-Malesevich, MD, Ryan Goepfert, MD, Dianna Roberts, PhD, Jeffrey N Myers, MD, PhD, Michael E Kupferman, MD; MD Anderson Cancer Center, UT Houston, Baylor College of Medicine

14:53 **S152: Near-Infrared Fluorescence Sentinel Lymph Node Mapping in Head and Neck Cancer Patients**; S Keereweer, MD, JR Van der Vorst, MD, BE Schaafsma, MD, JC Jansen, MD, PhD, LA Van der Velden, MD, PhD, AP Langeveld, MD, PhD, JDF Kerrebijn, MD, PhD, CWGM Lowik, PhD, JV Frangioni, MD, PhD, CJ.Van de Velde, MD, PhD, AL Vahrmeijer, MD, PhD; Erasmus Medical Center, Leiden University Medical Center, Beth Israel Deaconess Medical Center

15:01 **S153: Sentinel Lymph Node Biopsy in Merkel Cell Carcinoma of the Head and Neck**; Sean Donovan, MD, Clark Otley, MD, Daniel Price, MD, Sanjay Bagaria, MD, Aleksander Sekulic, MD, PhD, Richard Joseph, MD; Mayo Clinic - Florida, Mayo Clinic - Rochester, Mayo Clinic - Arizona

15:09 Discussion

714 Proffered Papers: Genomics I

Moderators: Georgia Zhou Chen, PhD, J. Silvio Gutkind, PhD and Eduardo Méndez, MD

13:45 **S154: A Four-Gene Predictor of Local Recurrence in Oral Squamous Cell Carcinoma**; Rashmi S Goswami, MD, Patricia P Reis, PhD, Yali Xuan, Bayardo Perez-Ordonez, MD, Melania Pintilie, MSc, Natalie N Galloni, MD, Nilva K Cervigne, PhD, Giles C Warner, MD, Antti A Makitie, MD, Colleen Simpson, RN, David Goldstein, MD, Dale Brown, MD, Ralph Gilbert, MD, Patrick Gullane, MD, Jonathan Irish, MD, Igor Jurisica, PhD, Suzanne Kamel-Reid, PhD; University Health Network, Toronto, ON, Canada, São Paulo State University, Botucatu, SP, Brazil, Hospital Calderon Guardia, San Jose, Costa Rica, Worcester Royal Hospital, Worcester, UK, University of Helsinki, Helsinki, Finland

Scientific Session — Monday, July 23, 2012

13:53 **S155: High Expression of Survivin Predicts Better Prognosis for Radiotherapy Treated Head and Neck Squamous Cell Carcinoma Patients**; Katharina Tiefenback, MD, Lovisa Farnebo, MD, PhD, Anna Ansell, Lena Thunell, PhD, Stina Garvin, MD PhD, Karin Roberg, PhD; Department of ENT - Head and Neck Surgery, Linköping University Hospital, County Council of Östergötland, Linköping, Sweden

14:01 **S156: p16 Is Not a Prognostic Marker of Malignant Progression in Oral Epithelial Dysplasia**; Paul Nankivell, BA, BMBCh, MRCS, Hazel Williams, BDS, FDS, MRCPath, MSc, PhD, Keith Webster, MBBS, BDS, MMedSci, FDS, FRCS, FRCSOMFS, David Pearson, BDS, MFDS, Alec High, BDS, FRCPath, FDS, PhD, Kenneth MacLennan, MBBS, FRCPath, Burcu Senguven, DDS, PhD, Christopher McConkey, MSc, Pamela Rabbitts, PhD, Hisham Mehanna, PhD, BMedSc, MBChB, FRCS; Institute of Head and Neck Studies and Education (InHANSE), University Hospital Coventry and Warwick, University Hospital Birmingham, Birmingham Dental Hospital, Leeds Institute of Molecular Medicine University of Leeds, Warwick Medical School

14:09 Discussion

14:15 **S157: High-Throughput Analysis of VEGF Polymorphisms Predicts Outcomes in HNSCC**; M Kupferman, B Aldred, M Yener, K Hale, PhD, T Jiffar, MD, G Mills, MD, PhD, J Myers, MD, PhD, R Weber, MD; The University of Texas MD Anderson Cancer Center

14:23 **S158: Tumor Suppressive MicroRNA-1 and MicroRNA-133a Cluster Regulating Molecular Targets in Head and Neck Squamous Cell Carcinoma**; Nijiro Nohata, MD, Toyoyuki Hanazawa, MD, PhD, Takashi Kinoshita, MD, Naoko Kikkawa, MD, PhD, Daiju Sakurai, MD, PhD, Miki Fuse, MD, Hirofumi Yoshino, MD, Hideki Enokida, MD, PhD, Masayuki Nakagawa, MD, PhD, Yoshitaka Okamoto, MD, PhD, Naohiko Seki, PhD; Chiba University

14:31 **S159: Molecular Biomarkers of Chemo-Radiotherapy Response in Oropharyngeal Squamous Cell Carcinomas**; Marcia Hatakeyama, MSc, PhD, Luciana A Reis-Rosa, MSc, Francine B Abreu, Fabio A Marchi, Graziela Spilborghs, André L Carvalho, PhD, Ulisses M Ribaldo, MD, Luiz P Kowalski, MD, PhD, Silvia R Rogatto, MSc, PhD; AC Camargo Hospital, São Paulo, SP, Department of Bioinformatic, USP, São Paulo, SP, Department of Head and Neck, Barretos Hospital, Barretos, SP, Department of Urology, Faculty of Medicine, UNESP, Botucatu, SP, Brazil

14:39 Discussion

14:45 **S160: The Serine-Threonine Kinase c-Jun NH2 Terminal Kinase 1 (JNK1) regulates Epidermal Growth Factor Receptor Ubiquitination and Downregulation in Head and Neck Squamous Cell Carcinoma: A Potential Mechanism for Resistance to Anti-EGFR Targeted Therapy**; Enyinnaya Ofo, BScHons, MBBS, MRCSEng, DOHNS, PhD, Jean-Pierre Jeannon, FRCS, ORLHNS, Tony Ng, Professor; Dept of Otolaryngology/Head & Neck Surgery, Guy's & St Thomas' NHS Foundation Trust, London, UK, and The Richard Dimbleby Department of Cancer Research, King's College London, UK

14:53 **S161: MicroRNA 193b Enhances Head and Neck Cancer Progression Through Downregulation of Neurofibromatosis 1**; Michelle Lenarduzzi, Angela Hui, Nehad Alajez, Justin Williams, Fei Fei Liu; Princess Margaret Hospital - Ontario Cancer Institute

15:01 **S162: Searching for a Metabolic Achille's Heel in HNSCC: An Integrated Metabolo-Genomic Analysis of Head and Neck Squamous Cell Carcinoma**; Curtis R Pickering, PhD, Vlad C Sandulache, MD, PhD, Nipun Kakkar, Mitchell J Frederick, PhD, David A Wheeler, PhD, Jeffrey N Myers, MD, PhD; University of Texas MD Anderson Cancer Center, and Human Genome Sequencing Center at Baylor College of Medicine

15:09 Discussion

716 Proffered Papers: Risk Factors/Cancer

Moderators: Tim Baker, MD, Terry A. Day, MD and Julian B. White, MD

13:45 **S163: Cognitive Screening and Co-Morbidity Assessment in Patients Treated for Head and Neck Cancer**; Rosemary Martino, PhD, Ishita Siddiq, MSc, Lori Bernstein, PhD, Albiruni Razak, MBBCh; University of Toronto, University Health Network

13:53 **S164: Risk Prediction for Ventilation Assisted Pneumonia after Surgery of Head & Neck Cancers**; Dorji Harnod, MD, Sheng-Po Hao, MD, Cherry Gay G Gatchalian, MD; 1. Surgical Intensive Care Unit, Shin Kong Wu Ho-Su Memorial Hospital, 2.Department of Otorhinolaringology, Shin Kong Wu Ho-Su Memorial Hospital, 3.Department of Otolaryngology Head & Neck Surgery, The Medical City, Philippines

14:01 **S165: Cetuximab in the Treatment of Locally Advanced Head and Neck Squamous Cell Carcinoma in a Non Selected Population. Are Phase III Results in Accordance with Daily Clinical Practice?**; Alexandre A da Costa, MD, Adriana R Ribeiro, MD, Andria P Guimarães, MD, Clóvis A Pinto, MD, PhD, Vladmir C Lima, MD, PhD; AC Camargo Hospital

14:09 Discussion

14:15 **S166: Demographic, Clinical, Pathological and Human Papillomavirus Infection Patterns in Relation to Smoking and Alcohol Consumption Among 1,633 Head and Neck Cancer Patients**; Raquel A Moyses, MD, PhD, Rossana M López, MPH PhD, Anderson da Costa, Patrácia M Cury, MD, PhD, Fabio D Nunes, DDS, PhD, Flávia A Xavier, DDS, PhD, Camila Rodini, DDS, PhD, GENCAPO, Victor Wünsch-Filho, MD, PhD, Eloiza H Tajara, PhD, Pedro Michaluart, MD, PhD; Department of Head and Neck Surgery, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, Brazil, LIM28; GENCAPO, Brazil

14:23 **S167: Comorbid Profiles in Human Papillomavirus Positive and Negative Head and Neck Squamous Cell Carcinoma**; Ashish A Ankola, BS, Richard V Smith, MD, Robert D Burk, MD, Margaret Brandwein-Gensler, MD, Michael B Prystowsky, MD, PhD, Catherine Sarta, RN, Nicolas F Schlecht, PhD; Departments of Otorhinolaryngology-Head and Neck Surgery, Epidemiology and Population Health, Pediatrics, and Pathology, Albert Einstein College of Medicine, Bronx, New York, USA, Department of Pathology, University of Alabama Birmingham, Alabama, USA

14:31 **S168: Prevalence of Human Papillomavirus & p16 and Predictors of Survival in Patients with Cervical Unknown Primary Squamous Cell Carcinoma**; Nicole M Fowler, MD, Nauman Manzoor, MD, Karthik Rajasekaran, MD, Joseph Scharpf, MD, Mumtaz Khan, MD, Benjamin Wood, MD, David Adelstein, MD, Jerrold Saxton, MD, John Greskovich, MD, Shlomo Koyfman, MD, Aaron Hoschar, MD, Deborah Chute, MD, Brian B Burkey, MD; Cleveland Clinic

14:39 Discussion

14:45 **S169: The Effect of Hospital Volume and Designated Cancer Center Status on Treatment and Survival in Patients with Advanced Head and Neck Cancer**; Arun Sharma, MD, MS, Stephen M Schwartz, MPH, PhD, Eduardo Méndez, MD, MS; University of Washington, Seattle, WA, VA Puget Sound Health Care System, Seattle, WA, Fred Hutchinson Cancer Research Center, Seattle, WA

14:53 **S170: Costs Associated with Head and Neck Cancer in the Elderly**; Christopher S Hollenbeak, PhD, Heath Mackley, MD, Wayne Koch, MD, Eric W Schaefer, MS, David Goldenberg, MD; Penn State College of Medicine

15:01 **S171: Haemodynamic Optimisation in Head and Neck Cancer Surgery; Pilot Randomised Controlled Trial of LiDCORapid;** Raghav Kulkarni, Dr, David A Craske, Dr, Khalid Abdel-Galil, Mr, Andrew Hatfield, Dr, Andrew Pick, Mr, James A McCaul, Dr; Head and Neck Research, Bradford Institute for Health Research

15:09 Discussion

801 Proffered Papers: Salivary Gland

Moderators: Mu-Kuan Chen, MD, Arnold Komisar, MD and Rohan R. Walvekar, MD

13:45 **S172: Bio-Marker Driven Tailored Treatment for Metastatic Adenoid Cystic Carcinoma**; Aron Popovtzer, MD; Rabin Medical Center, Davidoff Cancer Center

13:53 **S173: Lymph Node Ratio (LNR) as an Alternative to pN Staging in Salivary Gland Cancer**; Yu-Long Wang, MD, Yu Wang, MD, Qing-Hai Ji, MD; Department of Head& Neck Surgery, Cancer Hospital, Fudan University, Shanghai, China

14:01 **S174: Adjuvant and Palliative Trastuzumab in Treatment of Salivary Ductal Carcinoma**; Sewanti Limaye, MD, Marshall Posner, MD, Jeffrey Krane, MD, Maria Fonfria, MD, Jochen Lorch, MD MS, Deborah Dillon, MD, Aditya Shreenivas, MD, Roy Tishler, MD, Robert Haddad, MD; Dana Farber Cancer Institute

14:09 Discussion

14:15 **S175: Diagnostic Accuracy of Fine Needle Aspiration Cytology for Diagnosing Malignancy in Salivary Gland Tumours;** Matthew P Ellis, MBBS, MPhil, MRCS, Damien Phillips, BSc, MBBS, FRACS, Michael S Lee, FRCSEd, FRCSORLHNSEng; St George's Healthcare NHS Trust, London, UK

14:23 **S176: Parotidectomy for Metastatic Cutaneous Squamous Cell Carcinoma and Malignant Melanoma**; Joshua J Thom, MD, Sidney J Starkman, BS, Eric J Moore, MD, Daniel L Price, MD, Kerry D Olsen, MD, Jan L Kasperbauer, MD; Mayo Clinic - Rochester

14:31 **S177: Radiotherapy as Single-Modality Treatment for Head and Neck Paragangliomas: Twenty-Two Year Results from a Single Center**; Jason T Rich, MD, Otto J Kristen, MD, Jason H Franklin, HBSc, MD, FRCS, David P Goldstein, MD, FRCS, Eugene Yu, MD, Eric Bartlett, MD, Bernard J Cummings, MB, ChB, FRCP, Patrick J Gullane, MD, FRCS, FACS; University of Toronto, University of Western Ontario, University of Mississippi Medical Center

14:39 Discussion

14:45 **S178: Utility of Frozen Section Pathology for Decision Making in Parotid Surgery**; Kerry D Olsen, MD, Eric J Moore, MD, Jean E Lewis, MD; Mayo Clinic

14:53 **S179: A Predictive Tool for Recurrence in Carcinoma of the Major Salivary Glands**; Safina Ali, MD, Frank L Palmer, BA, Changhong Yu, MS, Monica Whitcher, BA, Jatin P Shah, MD, Michael W Kattan, PhD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, Department of Quantitative Health Sciences, The Cleveland Clinic, Cleveland, Ohio

15:01 **S180: The Importance of Histological Grade, Perineural Invasion and Vascular Invasion on Prognosis in Patients with Mucoepidermoid Carcinoma of the Major Salivary Glands**; Safina Ali, MD, Mohammed Sarhan, MD, Frank L Palmer, BA, Monica Whitcher, BA, Jatin P Shah, MD, Snehal G Patel, MD, Ian Ganly, MD, PhD; Department of Head and Neck Surgery, Memorial Sloan Kettering Cancer Centre, New York, NY

15:09 Discussion

15:15 - 15:45 **Afternoon Beverage Break** EXHIBIT HALL F

15:45 - 17:15 **Panels and Proffered Papers**

718A Panel: Management of Advanced Oropharyngeal Cancer in the Era of HPV and TORS

Panel Moderators: Jatin P. Shah, MD and Gregory S. Weinstein, MD

Presentation of existing data and dilemmas, in the management of advanced oropharyngeal cancer with Chemo/Radiotherapy, and Trans oral surgery followed by attenuated Radiotherapy or Chemo radiotherapy, with the goal of reducing morbidity and long term sequela.

15:45	**Non-Surgical Treatment**	Jatin P. Shah, MD
15:52	**Transoral Surgery**	Gregory S. Weinstein, MD
15:59	**Case Discussions**	David M. Brizel, MD, Fadlo R. Khuri, MD, Eric J. Moore, MD and Giuseppe Spriano, MD
16:44	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Appreciate the current outcomes data and the data on short and long term sequela of treatment;
2. The role of transoral surgery in minimizing the post treatment sequel;
3. The benefits and Limitations of each treatment program and comparison of available data from the literature;
4. Appreciate the need for a well-controlled randomized prospective trial to address the need to define optimal treatment in HPV positive and HPV negative tumors.

[SURG]

701A Panel: Quality Improvement in Head and Neck Cancer Care

Panel Moderators: Amy Y. Chen, MD and Randal S. Weber, MD

This session is designed to review current quality improvement initiatives in medical oncology, radiation oncology, and surgery for head and neck cancer care. Such efforts in the US and in Canada will be discussed.

15:45	**Overview**	Amy Y. Chen, M and Randal S. Weber, MD
15:55	**Quality Improvement Initiatives in Medical Oncology**	Arlene A. Forastiere, MD
16:15	**Quality Improvement Initiatives in Radiation Oncology**	Brian O'Sullivan, MD
16:35	**Quality Improvement Initiatives in Surgery**	Brian N. Nussenbaum, MD
16:55	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Outline quality improvement efforts in medical oncology, radiation oncology and in surgery in the care of head and neck cancer;
2. Introduce how these efforts can impact one's clinical practice and how to incorporate them into the practice.

[GUIDE]

718B Panel: Systemic Therapy for Rare Head and Neck Cancers

Panel Moderator: Lillian L. Siu, MD

This session will provide an update on the current scientific knowledge and clinical evidence on various rare head and neck cancers including adenoid cystic carcinomas, aggressive salivary gland cancers, thyroid cancers and sinonasal undifferentiated carcinomas.

15:45	**Adenoid Cystic Carcinoma**	Lillian L. Siu, MD
16:05	**Aggressive Salivary Gland Cancers**	Cristina P. Rodriguez, MD
16:25	**Thyroid Cancer**	Monika Krzyzanowska, MD
16:45	**Sinonasal Undifferentiated Carcinoma (SNUCs)**	Ehab Y. Hanna, MD
17:05	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Understand the current evidence related to biology and pathogenesis of selected rare head and neck cancers;
2. Appreciate evidence-based literature on diagnostic, therapeutic and management strategies for selected rare head and neck cancers;
3. Apply the knowledge gained to provide appropriate systemic therapy for relevant cases in clinical practice.

[MEDONC]

701B Proffered Papers: Reconstruction II

Moderators: D. Gregory Farwell, MD, Min-Sik Kim, MD and Steven J. Wang, MD

15:45 **S181: Comparison of Fibula and Scapular Osseous Free Flaps for Mandible Reconstruction**; Samuel Dowthwaite, MD, Kevin Fung, MD, Anthony Nichols, Jason Franklin, MD, John Yoo, MD; Victoria Hospital, London Health Sciences Centre

15:53 **S182: Computer-Assisted Planning and Implant Rehabilitation of Maxillo-Mandibular Defects Reconstructed with Vascularized Bone Free Flaps**; Devin J Okay, DDS, Daniel Buchbinder, DMD, MD, Mark Urken, MD, Adam Jacobson, MD, Cathy Lazarus, PhD, Mark Persky, MD; Beth Israel Medical Center New York, NY

16:01 **S183: Comprehensive Approach to Functional Palatomaxillary Reconstruction with Regional and Free Tissue Transfers: Report of 116 Free Flaps and 18 Regional Flaps with a Review of Implant Supported Dentition**; Mark L Urken, MD, Dan Buchbinder, DMD, Devin Okay, DDS, Cathy Lazarus; Beth Israel Medical Center

16:09 Discussion

16:15 **S184: Functional Subunit Classification of Maxillary Resection, Defects and Reconstruction**; M Bredell, MD, Gratz K, MD, Kruse-Gujer A, MD, S Studer, DDS; Department of Cranio-Maxillofacial and Oral Surgery, University Hospital of Zürich

16:23 **S185: Identification and Management of Oropharyngeal and Hypopharyngeal Carcinoma Patients with Risk Factors for Gastrostomy Tube Placement and Dependence**; Mihir K Bhayani, MD, Kate A Hutcheson, PhD, Denise A Barringer, MS, Asher Lisec, BS, Clare Alvarez, MS, Dianna B Roberts, PhD, Jan S Lewin, PhD, Stephen Y Lai, MD, PhD; University of Texas M. D. Anderson Cancer Center

16:31 **S186: Results with Titanium Miniplates for Bone Anchorage of Craniofacial Prostheses in Cancer Patients – 10 Year Experience**; Philippe A Federspil, MD, Mathias Schneider, Pierre Federspil, MD, Karim Zaoui, MD, Christian Simon, MD, Peter K Plinkert, MD; University Hospital Heidelberg, Epitheseninstitut Zweibrücken, University Hosiptal Homburg

16:39 Discussion

16:45 **S187: Exploring Outcomes of the Octogenarian Patient after Reconstructive Surgery with Free Tissue Transfer**; Robert H Lindau, MD, John Gleysteen, MD, Jacob L Wester, MD, Mark K Wax, MD; Oregon Health Sciece University

16:53 **S188: Functional Reconstruction after Total Glossectomy with Laryngeal Preservation: A Comparison of Three Techniques**; Richard E Hayden, MD, Thomas Nagel, MD; Mayo Clinic Arizona

17:01 **S189: Use of Fibrin Glue for Drainless Parotidectomy**; Christopher Goh, MD, Dennis Chua, MD, Rachel Ho, MD; Singapore General Hospital

17:09 Discussion

714 Proffered Papers: Basic Science: Animal Models

Moderators: Andrew Sikora, MD, PhD, Carter Van Waes, MD, PhD and Wendell G. Yarbrough, MD

15:45 **S190: Inducible Nitric Oxide Synthase (iNOS)-Dependent AKT/mTOR Pathway Activation Drives Human Melanoma Proliferation in Vivo**; Esther Lopez-Rivera, PhD, Falguni Parik, Master, Andrew Sikora, MD, PhD; Mount Sinai School of Medicine

15:53 **S191: Peritumoral Delivery of Nanoconjugated Cisplatin Has Improved Efficacy with Reduced Toxicity in an In Vivo Murine Model of Head and Neck Squamous Cell Carcinoma**; Stephanie M Cohen, MD, MS, Nick Rockefeller, BS, Ridhwi Mukerji, MD, Dianne Durham, PhD, ML Forrest, PhD, Shuang Cai, PhD, Mark S Cohen, MD, FACS, Yelizaveta Shnayder, MD, FACS; University of Kansas Medical Center

16:01 **S192: A Novel IFP-Based Head and Neck Cancer Mouse Model**; Anas Mouchli, MD, Ziying Han, PhD, Jun Zheng, MD, PhD, Shayanne A Lajud, MD, Bert W O'Malley, MD, Daqing Li, MD; University of Pennsylvania

16:09 Discussion

16:15 **S193: Overexpression of the PIK3CA Oncogene Drives Head and Neck Cancer Invasion and Metastasis**; Sophia A Bornstein, MD, PhD, Jingping Shen, PhD, Jacob Minor, MD, Frank Hall, Fang Zhang, MD, Sherif Said, MD, Xiao-Jing Wang, MD, PhD, Neil Gross, MD, John Song, MD, Natalie Serkova, PhD, Shi-Long Lu, MD, PhD; Departments of 1Otolaryngology, 2Radiation Oncology, Oregon Health & Science University, Portland, OR 97239, Departments of 3Otolaryngology, 4Pathology and 5Anesthesiology, University of Colorado Anschutz Medical Campus, Aurora, CO 80045

16:23 **S194: Preclinical Assessment of Intraoperative Imaging of Microscopic Head and Neck Cancer Using Panitumumab**; Cara H Heath, MD, Larissa Sweeny, MD, Nicholas L Deep, MS, Kurt R Zinn, PhD, Eben L Rosenthal, MD; University of Alabama at Birmingham

16:31 **S195: c-Myc and Tgfbeta Cooperation Leads to Spontaneous Head and Neck Tumor Formation in the Mouse**; Vivian F Wu, MD, Xiao-Yan Wang, PhD, Molly Wilson-Smith, David Sauer, MD, Xiao-Jing Wang, MD, PhD, Rosalie C Sears, PhD; Departments of Otolaryngology-Head and Neck Surgery, Pathology and Molecular and Medical Genetics, Oregon Health and Science University; Department of Pathology, University of Colorado Denver Health Sciences Center

16:39 Discussion

16:45 **S196: Molecular Analysis of Tumor Aggressiveness in a New Mouse Model of Oral Cancer**; Ravindra Uppaluri, MD, PhD, Ashley E Winkler, BS, Jonathan Law, MD, Nancy P Judd, MD, Oihana Murillo-Sauca, John B Sunwoo, MD, John R Houck, Pawadee Lohavanichbutr, Eduardo Mendez, MD, Stephen M Schwartz, PhD, Chu Chen, PhD, Michael D Onken, PhD; Washington University, St. Louis, MO, Stanford University, Stanford, CA and Fred Hutchinson Cancer Research Center, Seattle, WA

16:53 **S197: Effects of Small Interfering RNAs Targeting Fascin on Human Head & Neck Squamous Cell Carcinoma Cell Lines**; Yu Wang, MD, PhD, Qinghai Ji, MD; Cancer Hospital, Fudan University

17:01 **S198: Identification on the Targeting Organ and Accompanied AP-1 Signaling Pathway Characteristics in the Mucosal Epithelia of LMP1-mtp53 Transgenic Mice with Precancerous Lesion**; Daofa Tian, PhD, Yingchun He, PhD, Jieqiong Jiang, MS, Anyi He, MS, Xiang Liu, MS; Dept. of Otolaryngology, the First Affiliated Hospital, TCM University of Hunan, China

17:09 Discussion

716 Proffered Papers: Cancer Screening/Detection

Moderators: Elizabeth A. Blair, MD, Ann M. Gillenwater, MD and Vinidh Paleri, MD

15:45 **S199: Characterization of Potentially Malignant Oral Lesions Using a Non-Invasive Lab-on-a-Chip Approach**; Pierre N Floriano, PhD, Nicolaos Christodoulides, PhD, Kailash Karthikeyan, MS, Surabhi Gaur, MS, Humberto Talavera, Leander Taylor, III MS, Cathy Le, Michael Nguyen, Nadarajah Vigneswaran, BDS, DMD, Dr, Med, Dent, Y. Etan Weinstock, MD, Nagi Demian, DDS, MD, Spencer Redding, DDS, Martin Thornhill, MBBS, BDS, PhD, MSc, FDSRCSEdin, FDSRC, Paul M Speight, BDS, PhD, FDSRCPS, FDSRCSEng, FDSRCSEdin, FRCPath, Murdoch Craig, PhD, A. Ross Kerr, DDS, MSD, Brian Schmidt, DDS, MD, PhD, John T McDevitt, PhD; Rice University, Houston, TX, U. S. A., University of Texas Health Science Centers, Houston and San Antonio, TX, U. S. A., New York University, New York, NY, U. S. A., University of Sheffield, Sheffield, United Kingdom

15:53 **S200: CYFRA 21-1, SCC-Ag, IL-6 and Acute Phase Proteins in Head and Neck Cancer Patients**; Zofia Stasik, Doc, Jadwiga Tarapacz, Ewa Wójcik, Doc, Urszula Rychlik, Anna Mucha-Malecka, Jan Kanty Kulpa, Prof; Center of Oncology-M. Sklodowska-Curie Memorial Institute,Cracow Division Poland

16:01 **S201: Tumor Initiating Cells as Indicators as Marker of Local Recurrence in Head and Neck Squamous Cell Carcinoma**; Simple Mohanta, MSc, Nirav Trivedi, MD, Debashish Das, PhD, Wesley Hicks Jr, Vishal Gupta, Amritha Suresh, PhD, Moni A Kuriakose, MD; Head and Neck Oncology, Mazumdar Shaw Cancer Centre, Narayana Hrudayalaya, Bangalore, 560099; Roswell Park Cancer Institute, NY; Stem cell Research, Narayana Nethralaya, Bangalore 560099

16:09 Discussion

16:15 **S202: A Novel Approach to Tissue Diagnostics: Combining Time-Resolved Flourescence Spectroscopy and Ultrasonic Backscatter Microscopy for Oral Carcinoma Characterization**; D. Gregory Farwell, MD, FACS, Laura Marcu, PhD, Yang Sun, PhD, FeiFei Zhou, PhD, Steve Tinling, PhD, Shannon Poti, MD; University of California, Davis-Department of Otolaryngology, Head and Neck Oncology-Skull base surgery; University of California, Davis, Department of Biomedical Engineering

16:23 **S203: Fluorescence Molecular Imaging of Cancer Associated Glycosylation in Oral Premalignant and Malignant Lesions**; John Baeten, MSc, Amritha Suresh, PhD, Moni Kuriakose, FDSRCS, FRCS, Deepak Kademani, DMD, MD, FACS; University of Minnesota

16:31 **S204: Analysis of the Salivary Proteome of Oral Cancer**; Priya Sivadasan, MSc, Priyanka Palit, MSc, Sneha M Pinto, MSc, Nirujogi R Sekhar, Harsha H C, PhD, Akhilesh Pandey, PhD, Amritha Suresh, PhD, Wesley Hicks Jr, Vishal Gupta, Ravi Sirdeshmukh, PhD, Moni A Kuriakose, MD FRCS; Mazumdar Shaw Cancer Centre, Bangalore, 560099; Roswell Park Cancer Institute, NY; Institute of Bioinformatics, International Technology Park, Bangalore 560066, India

16:39 Discussion

16:45 **S205: Comprehensive Imaging of Neck Tissue from Thyroid and Parathyroid Surgery by Optical Coherence Tomography**; Luiz C Conti-Freitas, MD, PhD, Gregory W Randolph, MD, Tearney J Guillermo, MD, PhD; Ribeirao Preto Medical School, University of Sao Paulo, Brazil/ MEEI Harvard Medical School/ MGH Wellman Center for Photomedicine, Harvard Medical School, Boston, USA

16:53 **S206: Implementation of a Mobile Phone Based Oral Cancer Early Detection Program in a High-Risk Population**; Praveen Birur, MDS, Dr. Janhavi Mallaiah, MBBS, Rani Desai, MA, Sidhant Jena, MS MBA, Chetan Mukundan, BE, Radhika Chigurupati, MS, Sunitha P, BDS, Moni Abraham, FDSRCS, Wesley Hicks, Roswell Park Cancer Institute, Vishal Gupta, Roswell Park Cancer Institute; Mazumdar Shaw Cancer Institute & Narayana Hrudayalaya Multi Specialty Hospital

17:01 **S207: Feasibility of a Long-Term Food-Based Prevention Trial with Black Raspberries in a Post-Surgical Oral Cancer Population: Adherence and Modulation of Biomarkers of DNA Damage**; Lana K Uhrig, RN, MBA, Thomas J Knobloch, PhD, Amit Agrawal, MD, Theodorus N Teknos, MD, Enver Ozer, MD, Mathew Old, MD, David E Schuller, MD, Bruce C Casto, ScD, Dennis K Pearl, PhD, Steven K Clinton, MD, PhD, Christopher M Weghorst, PhD; The Ohio State University, College of Public Health, College of Medicine-Department of Otolaryngology-Head and Neck Surgery, College of Medicine-Division of Medical Oncology, College of Natural and Mathematical Sciences, Comprehensive Cancer Center

17:09 Discussion

801 Proffered Papers: Potpourri

Moderators: Emiro Caicedo-Granados, MD, Sheng-Po Hao, MD and Roberto A. Lima, MD

15:45 **S208: Predictive Factors for Delayed Neck Metastasis of Early Stage Lip Squamous Cell Carcinoma**; Norberto K Kavabata, MD, Décio N Caly, MD, Ting H Ching, MD, Luiz P Kowalski, MD, PhD, Pedro Michaluart, MD, PhD, Carlos N Lehn, MD, PhD, Antonio J Gonçalves, MD, PhD; Santa Casa de São Paulo Faculty of Medical Sciences, São Paulo, Brazil

15:53 **S209: Transcription Profiling in Papillary Thyroid Carcinoma**; Mateus C Barros Filho, MSc, Fabio A Marchi, Silvia R Rogatto, PhD, Luiz P Kowalski, PhD; CIPE-Fundação Antonio Prudente/Hospital A. C. Camargo, São Paulo, SP, Brazil; Universidade de São Paulo, São Paulo, SP, Brazil; Faculty of Medicine, UNESP, Botucatu, SP, Brazil

16:01 **S210: Merkel Cell Carcinoma – The Effect of Site, Stage and Treatment on Recurrence and Survival**; Shirley Y Su, MD, Dianna B Roberts, PhD, Merrill S Kies, MD, William H Morrison, MD, Ann M Gillenwater, MD; The University of Texas MD Anderson Cancer Center

16:09 Discussion

16:15 **S211: Managing Margins in Hard Tissue Sarcomas of the Mandible**; Colin Liew, FDS, FRCS, Vassiliou Leandros, DDS, MD, Pirgousis Phillip, DDS, MD, FRACDS, Jay Amrita, FRCPath, Morley Simon, FRCR, Beale Timothy, FRCR, Whelan Jeremy, MD, Wong Tim, MB, FRACDS, Kalavrezos Nicholas, MD, FRCS; Head and Neck and Sarcoma Services, University College London Hospitals

Scientific Session

Monday, July 23, 2012

16:23 **S212: Mucosal Melanoma of the Head and Neck (MMHN): Retrospective Review**; Kuauhyama Luna-Ortiz, MD, Madeleine Aguilar-Romero, MD, Ernesto Zepeda-Castilla, MD, Verónica Villavicencio-Valencia, MD, Cesar F Cruz-Saldana, MD, Martín Granados-García, MD, Adalberto Mosqueda Taylor, MD; Instituto Nacional de Cancerología

16:31 **S213: Health Related Quality of Life in Long Term Head and Neck Cancer Survivors: Comparison of Pre-Treatment, 1 Year Post-Treatment, and 5 Years Post-Treatment SF-36 Scores**; Nathan H Boyd, MD, Gerry F Funk, MD, Rodrigo Bayon, MD, Lucy H Karnell, PhD; University of Iowa College of Medicine

16:39 Discussion

16:45 **S214: A Case-Matched Pilot Study Comparing Primary Radiation +/- Chemotherapy vs. Transoral Laser Microsurgery +/- Adjuvant Therapy in Patients with p16+ Oropharyngeal Carcinoma**; Michael E Stadler, MD, Jason T Rich, MD, Parul Sinha, MBBS, MS, Dorina Kallogjeri, MD, MPH, Jay F Piccirillo, MD, James S Lewis Jr., MD, Brian Nussenbaum, MD, Wade L Thorstad, MD, Bruce H Haughey, MBChB; Washington University School of Medicine

16:53 **S215: Psychological Distress, Socio-Demographics, and Self-Perception in Multicultural Patients with Head and Neck Squamous Cell Carcinomas**; Christopher Fundakowski, MD, Pascal Jean-Pierre, PhD, MPH, Zoukaa Sargi, MD; University of Miami - Miller School of Medicine

17:01 **S216: The Relationship between Communicative Participation and Quality of Life Measures in Head and Neck Cancer**; Tanya L Eadie, PhD, Kristin Lamvik, MS, Carolyn R Baylor, PhD, Kathryn M Yorkston, PhD, Jiseon Kim, MS, Dagmar Amtmann, PhD; Departments of Speech and Hearing Sciences and Rehabilitation Medicine, University of Washington, Seattle, WA

17:09 Discussion

17:30 - 19:00 **Poster Session with Wine & Cheese** EXHIBIT HALL E

17:30	**Outcomes: Research and Quality** **Poster Moderator: Neil D. Gross, MD**	(P528-P617)
17:30	**Skin and Salivary Gland** **Poster Moderator: Cecilia E. Schmalbach, MD**	(P732-P806)
17:30	**Technology and Education** **Poster Moderator: William Carroll, MD**	(P807-P862)
17:45	**Basic Science** **Poster Moderator: Eduardo Méndez, MD**	(P125-P241)
17:45	**Chemotherapy and Radiation** **Poster Moderator: Sharon Spencer, MD**	(P242-295)
17:45	**Reconstruction and Functional Outcomes** **Poster Moderator: Derrick T. Lin, MD**	(P618-P731)
18:00	**Imaging, Epidemiology and Screening** **Poster Moderator: Christine G. Gourin, MD**	(P296-P382)
18:00	**Oropharynx/Nasopharynx/ Craniofacial** **Poster Moderator: Carole Fakhry, MD**	(P455-P527)
18:15	**Larynx/Oral Cavity** **Poster Moderator: Eric M. Sturgis, MD**	(P001-P100)
18:15	**Management of Long-Term Issues** **Poster Moderator: Sheng-Po Hao, MD**	(P383-P454)
18:15	**Management of the Neck** **Poster Moderator: Alec E. Vaezi, MD**	(P101-P124)
18:15	**Thyroid Cancer** **Poster Moderator: Mark J. Jameson, MD**	(P863-P949)

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Scientific Session

Tuesday, July 24, 2012

GENERAL SESSION

EXHIBIT HALL G

08:00 - 08:45 **Keynote Lecture**

"Prevention of Cancers Caused by Infections"

Harald zur Hausen, MD, DSc

Professor Emeritus and former Chairman and Scientific Director, Cancer Research Centre, Heidelberg, Germany

Introduction by Jonathan Irish, MD, Program Chair

At the conclusion of this lecture, participants will be able to:

1. Know the role of infectious agents in human cancer causation;
2. Judge the need for vaccinations against Hepatits B and human papillomaviruses;
3. Know epidemiological data pointing to a role of infections in other cancers, as yet not linked to infections.

08:45 - 09:15 **Keynote Lecture**

"Health Care in the New World: Quality as a Core Business Strategy"

Brent C. James, MD, M.Stat

Chief Quality Officer and Executive Director of the Institute for Health Care Delivery Research, Intermountain Healthcare, Salt Lake City, Utah

Introduction by Randal S. Weber, MD

At the conclusion of this session, participants will be able to:

1. Briefly outline the financial factors driving health care reform;
2. List core opportunities where current care delivery falls short of its theoretic potential, along with their causes;
3. Describe proven methods to consistently achieve "the best medical result at the lowest possible cost";
4. Explain, in outline, how clinical quality can serve as the foundation for practice survival under health care reform.

09:15 - 10:00 **HAYES MARTIN LECTURE**

"Surgical Margins in the Genomic Era"

Gregory T. Wolf, MD

Professor, Department of Otolaryngology, University of Michigan Health System, Ann Arbor, MI

Introduction by Carol R. Bradford, MD, AHNS President

At the conclusion of this lecture, participants will be able to:

1. Have a better understanding of the history of surgical margin controversies;
2. Have a better understanding of molecular markers associated with tumor behavior, tumor growth patterns and patient survival;

LET'S THINK

BOEHRINGER INGELHEIM IS COMMITTED TO ONCOLOGY AND ADVANCED RESEARCH IN THE AREAS OF:

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3. Have a better understanding of patient selection factors for radical surgical resection in an era of minimally invasive surgical techniques;
4. Have a better understanding of when adjuvant therapies are warranted when surgical margins are close.

10:00 - 13:30 **Exhibit Hall Open and Poster Viewing** EXHIBIT HALLS E&F

10:00 - 10:30 **Morning Coffee Break** EXHIBIT HALL F

10:30 - 12:00 **Panels and Proffered Papers**

718A Panel: Current Management of Oral Cavity Cancer

Panel Moderators: Bhuvanesh Singh, MD, PhD and C. Weissler, MD

10:30	**Surgical Management of Oral Cavity Cancer**	Kwang Hyun Kim, MD
10:50	**The Indications for Adjuvant Treatment**	William M. Lydiatt, MD
11:10	**Management of the Neck**	Douglas B. Chepeha, MD
11:30	**Lymphoscinigraphy and Sentinel Lymph Node Biopsy: Useful or Not?**	Stéphane Temam, MD, PhD
11:50	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand the limits of resectability in oral cavity cancer;
2. Understand the treatment of the contralateral neck in oral cavity cancer;
3. Understand the proper treatment of the mandible in floor of mouth cancer;
4. Understand the use of lymhposcintigraphy and sentinel lymph node biopsy in oral cavity cancer.

[SURG]

718B Panel: Nasopharyngeal Cancer

Panel Moderators: Brian O'Sullivan, MD

The contemporary management of Nasopharyngeal Carcinoma will be discussed using best evidence. This will include attention to multidisciplinary management in all patients, methods of radiotherapy planning and delivery, the evidence for chemotherapy, and the current status of molecular targeting to address the particular risk of distant metastases in this disease. Finally the important role of surgery in selected patients will also be discussed.

10:30	**Introductory Background Information about NPC**	Brian O'Sullivan, MD
10:35	**Radiation Therapy: Current State**	Anne W.M. Lee, MD
10:50	**The Role of Systemic Therapy**	Anthony T.C. Chan, MD
11:05	**Biology and Clinical Use of EBV Markers**	Quynh-Thu Le, MD
11:20	**Surgery Management of Recurrence**	Sheng-Po Hao, MD
11:35	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand technical and biologic parameters to maximize tumor control and minimize radiotherapy-related complications following IMRT;

2. Improve their knowledge about the use of systemic treatments to augment cure rates beyond loco-regional treatment;
3. Appreciate the underlying biology of NPC and the potential role of EBV assays in guiding treatment;
4. Recognize clinical settings where surgery should be considered in the treatment of NPC.

[RADONC]

701A Panel: New Approaches in Radiation Therapy

Panel Moderator: Louis B. Harrison, MD

This session will present new radiation therapy and multi-disciplinary strategies in the management of recurrent head and neck cancer. It will include an overview of the complex issues involved in the management of recurrent disease as well as a discussion of innovative treatment strategies and future directions in the management of recurrent disease.

10:30	**Intraoperative Radiation Therapy in the Management of Recurrent Disease**	Louis B. Harrison, MD
10:45	**SBRT in Recurrent Disease**	Changhu Chen, MD, PhD
11:00	**Adaptive IMRT**	Vincent Grégoire, MD, PhD
11:15	**Biologically Targeted Therapy and Radiation**	Kie-Kian Ang, MD, PhD and Paul M. Harari, MD

At the conclusion of this session, participants will be able to:

1. Have a broader perspective on the complexity and management of patients with recurrent head and neck cancer;
2. Have a broader perspective on the therapeutic opportunities to improves outcomes in patients with recurrent head and neck cancer;
3. Understand the future directions in improving radiation therapy and biologic therapy in an effort to improve outcomes for head and neck cancer patients.

[RADONC]

717 Proffered Papers: Oropharynx/HPV

Moderators: Jens P. Klussman, MD and John H. Lee, MD

10:30 **S217: Comparison of Methods Used to Detect High Risk Human Papillomavirus in Head and Neck Squamous Cell Carcinoma**; Heather M Walline, MS, Serena A Byrd, BS, Chris Komarck, BS, Matthew E Spector, MD, Emily Light, MS, Jeffrey S Moyer, MD, Mark E Prince, MD, Gregory T Wolf, MD, Douglas B Chepeha, MD, MSPH, Jonathan B McHugh, MD, Francis P Worden, MD, Avraham Eisbruch, MD, Carol R Bradford, MD, Thomas E Carey, MD; The University of Michigan

10:38 **S218: An Evolution in Demographics, Treatment, and Outcomes of Oropharyngeal Cancer at a Major Cancer Center: A Staging System in Need of Repair**; Kristina R Dahlstrom, MS, Gabriel Calzada, MD, Jennifer D Hanby, MD, Adam S Garden, MD, Bonnie S Glisson, MD, Guojun Li, MD, PhD, Dianna B Roberts, PhD, Randal S Weber, MD, Erich M Sturgis, MD, MPH; The University of Texas MD Anderson Cancer Center

10:46 **S219: Prevalence of Human Papillomavirus in a Singapore Cohort of Head and Neck Squamous Cell Carcinoma**; Chwee Ming Lim, Feng Gang Yu, Boon Cher Goh, Frederick Petersson, Kwok Seng Thomas Loh; National University Hospital

10:54 Discussion

11:00 **S220: Impact of p16, p53, Smoking, Alcohol and Staging on Survival in Oropharnygeal Squamous Cell Carcinoma**; Martina A Broglie, MD, Alex Soltermann, MD, Michael Pawlita, MD, Gerhard F Huber, MD, Gabriela Studer, MD, Sandro J Stoeckli, MD; Otorhinolaryngology, Head and Neck Surgery, St.Gallen, German Cancer Research Center, Heidelberg, Clinical Pathology, Otorhinolaryngology, Head and Neck Surgery, Radiation Oncology, University Hospital Zurich

11:08 **S221: Understanding the Predictive Role of Smoking in Human Papillomavirus-Positive Advanced Oropharyngeal Squamous Cell Carcinoma**; Serena A Byrd, BS, Matthew E Spector, MD, Emily Light, MS, Heather Walline, MS, Chris Komarck, BS, Jeffery S Moyer, MD, Mark E Prince, MD, Gregory T Wolf, MD, Douglas B Chepeha, MD, MSPH, Jonathan B McHugh, MD, Francis P Worden, MD, Avraham Eisbruch, MD, Carol R Bradford, MD, Thomas E Carey, PhD; University of Michigan

11:16 **S222: Matched-Pair Analysis in Patients with Advanced Oropharyngeal Cancer: Surgery Versus Concurrent Chemoradiotherapy**; Satoshi Kano, MD, PhD, Akihiro Homma, MD, PhD, Ryuichi Hayashi, MD, Kazuyoshi Kawabata, MD, PhD, Kunitoshi Yoshino, MD, PhD, Shigemichi Iwae, MD, PhD, Yasuhisa Hasegawa, MD, PhD, Kenichi Nibu, MD, PhD, Takakuni Kato, MD, PhD, Kiyoto Shiga, MD, PhD, Kazuto Matsuura, MD, PhD, Nobuya Monden, MD, PhD, Masato Fujii, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, Hokkaido University Graduate School of Medicine

11:24 Discussion

11:30 **S223: Incidence Changes of Human Papillomavirus in Oropharyngeal Squamous Cell Carcinoma in The Netherlands, 1980-2009**; RJ Henneman, BSc, CV Verhagen, MD, ML Van Velthuysen, MD, PhD, NT Ter Haar, EM Osse, MW Van Den Brekel, MD, PhD, AJ Balm, MD, PhD, HS Van Monsjou, MD; Netherlands Cancer Institute/Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands and University Medical Center, Leiden, The Netherlands

11:38 **S224: Exploring the Knowledge, Communication and Psychosexual Consequences of a Diagnosis of Human Papillomavirus (HPV)-Positive Oropharynx Cancer: A Pilot Study**; Shrujal S Baxi, MD, MPH, Andrew G Shuman, MD, Geoffrey W Corner, Elyse Shuk, Eric J Sherman, MD, Elena B Elkin, PhD, Jennifer L Hay, PhD, David G Pfister, MD; Memorial Sloan-Kettering Cancer Center

11:46 **S225: Transforming Growth Factor Beta 1 Genotype and p16 Expression as Factors Predicting Response to Chemoradiotherapy in Head and Neck Squamous Cell Carcinoma**; Petri S Mattila, MD, PhD, Marie Lundberg, MD, Ilmo Leivo, MD, PhD, Kauko Saarilahti, MD, PhD, Jussi Tarkkanen, MD, PhD, Antti A Makitie, MD, PhD; Department of Otorhinolaryngology - Head and Neck Surgery, Helsinki University Central Hospital

11:54 Discussion

714 Proffered Papers: Cancer Stem Cells/ Microenvironment

Moderators: Mark E. Prince, MD, Jeffrey S. Moyer, MD and Ravindra Uppaluri, MD, PhD

10:30 **S226: Expression of Stem Cell Markers Oct3/4 and Nanog and Its Clinical Significance in Oral Tongue Squamous Cell Carcinoma**; Noboru Habu, MD, Yorihisa Imanishi, MD, Koji Sakamoto, MD, Yutaka Tokumaru, MD, Masayuki Shimoda, MD, Kaori Kameyama, MD, Seiji Shigetomi, MD, Toshiki Tomita, MD, Kaoru Ogawa, MD, Masato Fujii, MD; Department of Otorhinolaryngology-Head and Neck Surgery, Keio University School of Medicine, Tokyo, Japan

10:38 **S227: Prognostic Significance of Tumour Hypoxia Markers in Oropharyngeal Cancer**; Navin Mani, MBBS, MRCS, Catriona Douglas, MBBS, MRCS, Catharine West, PhD, Jarrod J Homer, MD, FRCS; The Christie Hospital, Manchester, UK

10:46 **S228: Targeted Therapy and Imaging of Head and Neck Cancer Using Cisplatin-loaded Magnetic Iron Oxide Nanoparticles**; Xianghong Peng, PhD MD, Yiqing Wang, PhD, Hui Mao, PhD, Zuo (Georgia) Chen, PhD, Shuming Nie, PhD, Dong Shin, MD; Department of Medical Oncology/Hematology, Winship Cancer Institute, Emory University School of Medicine

10:54 Discussion

11:00 **S229: Two Distinct Quiescent Tumor Cell Phenotypes within Head and Neck Squamous Cell Carcinomas**; Nicole Facompre, PhD, Steven Sperry, MD, Priti Lal, MD, Kathleen T Montone, MD, Gregory S Weinstein, MD, Alexander Roesch, MD, Meenhard Herlyn, DVM, DSc, Devraj Basu, MD, PhD; The University of Pennsylvania, The Wistar Institute, The Philadelphia VA Medical Center

11:08 **S230: Global Gene Expression Illustrates the Possible Role of Cancer Stem Cells in Recovery of Head and Neck Squamous Cell Carcinoma Following Radiation**; Bryan Thibodeau, PhD, Jiayi Huang, MD, Laura Fortier, BS, Timothy Geddes, BS, Barbara Pruetz, BS, Jan Akervall, MD, PhD, George Wilson, PhD; Beaumont Health System

11:16 **S231: Modulated FLJ10540 by Osteopontin is Associated with Tumor Progression in Nasopharyngeal Carcinomas and Contributes to Osteopontin-Elicited Proliferation, Migration and Invasion in Nasopharyngeal Cell Lines via CD44 Pathway**; Chang-Han Chen, PhD, Hsin-Ting Tsai, MS, Chih-Yen Chien, MD, FACS; Center for Translational Research in Biomedical Sciences

11:24 Discussion

11:30 **S232: CD98 Marks a Subpopulation of Head and Neck Squamous Cell Carcinoma Cells with Stem Cell Properties**; SR Martens-de Kemp, Bsc, A Brink, Bsc, M Stigter-van Walsum, Ing, BJM Braakhuis, PhD, M Slijper, PhD, RH Brakenhoff, PhD; Department of Otolaryngology/Head-Neck Surgery, VU University Medical Center, Amsterdam, Department of Biomolecular Mass Spectrometry, Utrecht University, Utrecht, The Netherlands

11:38 **S233: Recruitment of Adult Mesenchymal Stem Cells by Head and Neck Squamous Cell Carcinoma**; Tammara L Watts, MD, PhD; Ruwen Cui, BS, University of Texas Medical Branch

11:46 **S234: The Effects of EGFR Inhibition on Cancer Stem Cells in Head and Neck Squamous Cell Carcinoma Cell Lines**; Samim Ghorbanian, Dr, Gammon Luke, Dr, Ian McKenzie, Prof; Barts and the London School of Medicine and Dentistry, University of London

11:54 Discussion

716 Proffered Papers: Epidemiology

Moderators: Ian Ganly, MD, PhD, Greg A. Krempl, MD and Guy J. Petruzzelli, MD, PhD

10:30 **S235: Predictors of Pain Among Head and Neck Cancer Patients**; Sonia Duffy, PhD, RN, Jeffrey Terrell, MD, Emily Light, MS, Yunyun Jiang, MS, Andrew Shuman, MD, Jeremy Taylor, PhD, Gregory Wolf, MD, Carol Bradford, MD, Douglas Chepeha, MD; The University of Michigan, VA Center for Clinical Management Research, VA Ann Arbor Healthcare System, Memorial Sloan-Kettering Cancer Center

10:38 **S236: Case Control Study to Investigate the Association between HPV and Oral Cancer, by Smoking Status**; Liying Yang, PhD, Pablo H Montero, MD, Robert Bryant, BA, Frank L Palmer, BA, Luc G Morris, MD, Snehal G Patel, MD, Richard B Hayes, DDS PhD, Jatin P Shah, MD, Zhiheng Pei, MD, PhD, Ian Ganly, MD, PhD, New York University School of Medicine; Department of Head and Neck Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY

10:46 **S237: A Novel DNA Damage Detection Assay to Predict Head and Neck Cancer Risk**; Wilbur Mills, BS, Elangovan Thavathiru, PhD, Ilangovan Ramachandran, PhD, Leslie Chandler, RN, John Tassey, MD, Antonio Reis, MD, Lurdes Queimado, MD, PhD; The University of Oklahoma Health Sciences Center

10:54 Discussion

11:00 **S238: Pretreatment Smoking and Decreased Sleep Quality Predict Higher Pretreatment Serum IL-6 Levels in Head and Neck Squamous Carcinoma**; Sonia Duffy, PhD, RN, Jeffrey Terrell, MD, Karen Fowler, MPH, Jeremy Taylor, PhD, Mozaffarul Islam, PhD, Theodoros Teknos, MD, Gregory Wolf, MD; The University of Michigan, VA Center for Clinical Management Research, VA Ann Arbor Healthcare System, The Ohio State University

11:08 **S239: The Role of Geographic Region as a Risk Factor for Human Papillomavirus-Positive Head and Neck Cancer in a Programme of Multicentre Global Randomised Controlled Trials**; Professor Hisham Mehanna, PhD, FRCS, M Robinson, H Williams, Oladejo Olaleye, MPH, MRCS, N Franklin, N Compton, Nigel Biswas-Baldwin, MSc, BSc, Vinidh Paleri, MS, FRCS, Iman E El-Hariry, PhD, MD, Professor K Ang, PhD, S Roberts, Professor Ciaran Woodman, PhD, Kevin Harrington, PhD; Institute of Head and Neck Cancer Studies and Education (InHANSE), Coventry UK

11:16 **S240: Baseline Ki67 Expression in the Tumour Drives Prognosis in Oral Squamous Cell Carcinoma**; Alexander C Klimowicz, PhD, Pinaki Bose, PhD, Nigel T Brockton, PhD, Steve Nakoneshny, BSc, Michelle Dean, BSc, Shamir Chandarana, MD, T Wayne Matthews, MD, Joseph C Dort, MD; Department of Oncology, University of Calgary, Calgary, Canada

11:24 Discussion

11:30 **S241: Laryngeal Cancer Profile in Brazil: An Analysis of 5568 Cases Registered in Sao Paulo Hospital-Based Cancer Database;** Laura Mannarini, MD, Ines Nishimoto, PhD, Valeria Lombardo, Luiz Paulo Kowalski, MD, PhD; Post Graduation Program of Oncology, Faculty of Medicine, University of Sao Paulo

11:38 **S242: The Changing Epidemiological Paradigm of Oral and Pharyngeal Cancers in Europe Over 30 Years**; Mr Oladejo Olaleye, MPH, MRCS, DOHNS, MBBS, Dr Rehan Kazi, PhD, FAC,S FRCS, Professor Hisham Mehanna, PhD, FRCS, BMedSc; Institute of Head and Neck Cancer Studies and Education (InHANSE), Coventry United Kingdom

11:46 **S243: Combined p16 and HPV Expression Predicts Head and Neck Cancer Survival**; Christian R Salazar, BSc, Richard V Smith, MD, Chris Keller, MD, Missak Haigentz, MD, Madhur Garg, MD, Margaret Brandwein-Gensler, MD, Nicole Kawachi, MSc, Bradley Schiff, MD, Michael B Prystowsky, MD, PhD, Robert D Burk, MD, Nicolas F Schlecht, PhD; Albert Einstein College of Medicine/Montefiore Medical Center

11:54 Discussion

701B Proffered Papers: Best of Clinical II

Moderators: Claudio R. Cernea, MD, Mu-Kuan Chen, MD and Stephan Lang, MD

10:30 **S244: Nodal Metastases as a Prognostic Factor for Squamous Cell Carcinoma of the Tonsil in the Pre- and Post-HPV Era**; Peter M Vila, MS, Chaz L Stucken, MD, Luc G Morris, MD, Marshall R Posner, MD, Eric M Genden, MD, Paolo Boffetta, MD, MPH, Andrew G Sikora, MD, PhD; Mount Sinai School of Medicine, Memorial Sloan-Kettering Cancer Center

10:38 **S245: Extracapsular Spread is Not Associated with Worse Survival in p16-Positive Oropharyngeal Cancer Patients**; Jessica H Maxwell, MD, MPH, Robert Ferris, MD, PhD, Diana Lenzner, MS, Jonas Johnson, MD, William Gooding, MS, Simion Chiosea, MD; University of Pittsburgh

10:46 **S246: Cervical Nodal Lymphatic Mapping Revisited. A Prospective Study of 698 Neck Dissections in Oral Cancers: Implications for Clinical Practice**; Gouri Pantvaidya, Dr, Pooja Pal, Dr, Abhishek Vaidya, Dr, Anil D'Cruz, Dr; Tata Memorial Hospital, Mumbai

10:54 Discussion

11:00 **S247: Frailty as a Predictor of Morbidity and Mortality in Inpatient Head and Neck Surgery**; Peter Adams, MD, Tamer Ghanem, MD, Michelle Jesse, MA, Francis Hall, MD, Robert Stachler, MD, Carmen Tuglan, Ilan Rubinfeld, MD, Victor Velanovich, MD; Henry Ford Hospital

11:08 **S248: Sentinel Node Biopsy Guided Management as Alternative to Elective Neck Dissection for Oral Carcinoma**; Sandeep Samant, MS, FRCS; University of Tennessee

11:16 **S249: Interim Results Of The Sentinel European Node Trial (SENT)**; Clare Schilling, MRCS, MFDS, Ben Gurney, MRCS, MFDS, Thomas F Pezier, MA, MSc, MRCS, DOHNS, Mark McGurk, FRCS, OMFS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

11:24 Discussion

11:30 **S250: Supraclavicular Pedicled Flap for Head and Neck Reconstruction**; Richard E Hayden, MD, Andrew K Patel, MD, David P Mullin, MD, Carrlene B Donald, PA; Mayo Clinic Arizona

11:38 **S251: Comparison of Survival Outcomes Between Organ Preservation Surgery and Primary Radiotherapy in Early Supraglottic Squamous Cell Carcinoma: A SEER-Database Analysis**; Hassan Arshad, MD, Vijay Jayaprakash, MD, PhD, Vishal Gupta, MD, Nestor Rigual, MD, Wesley Hicks, MD, DDS; Roswell Park Cancer Institute, Buffalo, NY

11:46 **S252: Adjuvant p53 Peptide Loaded Dendritic Cell Vaccination in Patients with Head and Neck Cancer - A Phase I/II Clinical Trial**; Patrick J Schuler, MD, Malgorzata Harasymczuk, MD, Carmen Visus, PhD, Thomas K Hoffmann, MD, Stephan Lang, MD, Athanassios Argiris, MD, Albert B DeLeo, PhD, Theresa L Whiteside, PhD, Robert L Ferris, MD, PhD; University of Pittsburgh Cancer Institute and University of Pittsburgh School of Medicine, Departments of Pathology, Immunology and Otolaryngology, Pittsburgh, USA, University of Duisburg-Essen, Department of Otorhinolaryngology, Essen, Germany

11:54 Discussion

12:15 - 13:15 **AHNS Business Meeting** EXHIBIT HALL G

Lunch will be provided for all members at the Business Meeting.

– OR –

Free Attendee Lunch EXHIBIT HALL F

13:30 - 15:00 **Panels and Proffered Papers**

718A Panel: Management of Oropharyngeal Cancer

Panel Moderator: Robert J. Amdur, MD

This panel will discuss some of the current treatment options available for the treatment of patients with oropharyngeal cancer. Advances in treating oropharyngeal cancer from the individual modalities of surgery, radiation therapy, and medical oncology will be describe as will the opportunities for integrating treatments from each of these disciplines in order to achieve optimal disease control and optimal functional outcomes.

13:30 **CRT for Locally Advanced Oropharynx Cancer in HPV- Patients** David M. Brizel, MD

13:45 **Options for Locally Advanced Oropharynx Cancer in HPV+ Patients** Brian O'Sullivan, MD

14:00	**IMRT: What Can Be Spared?**	Avraham Eisbruch, MD
14:15	**Options for Surgical Management**	Kerry D. Olsen, MD
14:30	**Describe Phase 2 Trial of Treatment Deintesification for Oropharynx Cancer**	Robert J. Amdur, MD
14:45	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Describe the different treatment considerations for patients with HPV+ and HPV- oropharyngeal cancer;
2. Appreciate the current outcomes data and the data on short and long term sequela of treatment;
3. Identify the strengths and limitations of each of the modalities used in the treatment of oropharyngeal cancer as the benefits of integrating modalities;
4. Appreciate the need for a well-controlled randomized prospective trials to address the need to define optimal treatment in HPV positive and HPV negative tumors.

[RADONC]

718B Panel: Special Topics in Radiation Therapy

Panel Moderator: G. Jolie Ringash, MD

This session will include talks by expert radiation oncologists on head and neck salivary gland, skin, sinonasal and unknown primary cancers plus a question/answer period.

13:30	**Introduction**	G. Jolie Ringash, MD
13:35	**Salivary Gland Malignancy**	Quynh-Thu Le, MD
13:53	**Treatment of Cutaneous SCC/BCC of the Head and Neck with Large Nerve Involvement**	Sandro V. Porceddu, MD
14:11	**SNUCs and Esthesio's: When to Treat, How to Treat and How Much to Treat?**	Changhu Chen, MD, PhD
14:29	**Unknown Primary Cancers: Optimal Volumes to Treat?**	Allen M. Chen, MD
14:47	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand current issues in radiotherapy for rare cancers and scenarios;
2. Be aware of existing evidence;
3. Identify knowledge/evidence gaps in these diseases;
4. Benefit from expert analysis of specific scenarios.

[RADONC]

701A Panel: Targeted Therapeutics and Translational Research

Panel Moderator: Eben L. Rosenthal, MD

This panel will review recent advances in understanding molecular characteristics of HNSCC and thyroid cancer in order to better understand the development of rational targeted therapy. In addition, the rationale for development, potential therapeutic indications and benefits, as well as barriers to clinical implementation will also be reviewed.

13:30	**Introduction**	Eben L. Rosenthal, MD
13:35	**CK2 Inhibitors in Reactivation of the p53 Family in Head and Neck Cancers**	Carter Van Waes, MD, PhD
13:47	**Achilles Heel of HPV-Associated Cancer**	Wendell G. Yarbrough, MD
13:59	**Targeting the PI3K-mTOR Signaling Circuitry in HNSCC**	J. Silvio Gutkind, PhD
14:11	**Development of Targeted Therapies and Imaging-Based Biomarkers for Thyroid Cancer**	Stephen Y. Lai, MD, PhD
14:23	**Discussion**	

At the conclusion of this session, participants will be able to:

1. List several molecular pathways in head and neck cancer and thyroid cancer that may serve as opportunities for intervention and specifically how the targeting PI3K signaling cascade can be used to inhibit cancer growth;
2. Describe the pathway to development of novel targeted agents that are being translated to the clinic;
3. Describe the barriers to moving a molecularly targeted agent to the clinic.

[RESEARCH]

714 Proffered Papers: Functional Imaging

Moderators: Paul L. Friedlander, MD, Neil D. Gross, MD, and Eugene Yu, MD

13:30 **S253: PET-Negative Residual Nodal Abnormalities Can Be Observed Following Definitive Radiotherapy for Oropharyngeal SCC**; Sandro V Porceddu, MBBS, Hons, FRANZCR, MD, David I Pryor, MBBS, FRANZCR, Richard Lewandowski, Josephine Logan, Elizabeth Burmeister, RN, MSc, Brigid Hickey, MBBS, FRANZCR, Benedict Panizza, MBBS, FRACS, MBA, Michael G Poulsen, MBBS, FRANZCR, MD, Bryan H Burmeister, FRANZCR, MD; Princess Alexandra Hospital, University of Queensland, Australia

13:38 **S254: 18FDG-PET/CT in Clinically Staged T2 Tumors: Is It Necessary?**; Vikas Mehta, MD, Marion A Hughes, MD, Lea Alhilali, MD, Saeed Fakhran, MD, Jonas T Johnson, MD, Barton Branstetter, MD; University of Pittsburgh Medical Center, Department of Otolaryngology/Head and Neck Surgery, Pittsburgh, PA, USA

13:46 **S255: Initial Staging of Oral Cavity Carcinoma with FDG-PET/CT**; Thomas D Shellenberger, MD, Rafael Madero-Visbal, MD, Raquel M Blanco, BS, Rafael R Manon, MD, Jennifer E Tseng, MD, David L Schwartz, MD; MD Anderson Cancer Center Orlando

13:54 Discussion

14:00 **S256: The Role of FDG PET-CT in the Evaluation of Early Response to Induction Chemotherapy in Locally Advanced Squamous-Cell Carcinoma of Head and Neck (LASCCHN). A Prospective Trial;** Ulisses R Nicolau, MD, Eduardo N Lima, PhD, Loureno Cezana, MD, Marclesson S Alves, MD, Tadeu F Paiva, MD, Paula N Pinto, MD, Genival B Carvalho, MD, Antonio C Pellizzon, MD, Thiago B Oliveira, MD, Luiz P Kowalski, PhD; Hospital AC. Camargo, São Paulo, Brazil

14:08 **S257: The Proportion of Malignancy in Incidental Thyroid Lesions on PET Study: A Systematic Review**; Smriti Nayan, MD, Jayant Ramakrishna, BHsc MD, Michael K Gupta, MD, FRCSC; McMaster University, Hamilton Ontario, Canada

14:16 **S258: Retrospective Review of FDG-PET with Contrast Enhanced CT in the Post Treatment Surveillance of HPV Positive Oropharyngeal Squamous Carcinoma**; Jason Y Chan, MBBS, Nishant Agrawal, MD, Giuseppe Sanguineti, MD, Nafi Aygun, MD; Johns Hopkins Medical Institutions

14:24 Discussion

14:30 **S259: Comparative Evaluation of Oral Cancer Staging Using Contrast Enhanced Computed Tomography vs. Positron Emission Tomography/ Computed Tomography**; Jaimanti Bakshi, MSDNB, Abdul Wadood Mohammed, Ms, Prof. Naresh Kumar Panda, MS, DNB, FRCS, Ed, BR Mittal, MD, Paramjeet Singh, MD, Sushmita Ghoshal, MDDNB; Pgimer, Chandigarh, India

14:38 **S260: The Gain of Function of p53 Mutant p53N236S in Promoting Tumorigenesis by Crosstalking with H-RasV12;** Shuting Jia, Lanjun Zhao, Wenru Tang, PhD, Ying Luo, PhD; Lab of Molecular Genetics of Aging & Tumor, Faculty of Life Science and Technology & Faculty of Environmental Science and Engineering, Kunming University of Science & Technology, Kunming, China

14:46 **S261: Quantifying the Role of PET-CT in the Management of Head and Neck Carcinoma of Unknown Primary Origin**; Navin Mani, MBBS, MRCS, Laura Nash, Jarrod J Homer, MD, FRCS; The Christie Hospital, Manchester, UK

14:54 Discussion

716 Proffered Papers: Oral Cavity I

Moderators: Daniel G. Deschler, MD, John W. Werning, MD and Vincent Vander Poorten, MD, PhD

13:30 **S262: A Predictive Tool for Risk Estimation of Occult Lymph Node Metastasis in Early Stage Tongue Cancer**; Pablo H Montero, MD, Claudia R Albornoz, MD, MSc, Purvi D Patel, MD, Andrew G Shuman, MD, Frank L Palmer, BA, Ian Ganly, MD, PhD, Jatin P Shah, MD, Snehal G Patel, MD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center

13:38 **S263: Prognostic Significance of Pathological Invasion Depth in Tongue Cancer**; Jianhong Winson Tan, Dr, Claramae Chia, Dr, Khee-Chee Soo, Prof, Hiang Khoon Tan, Dr, N Gopalakrishna Iyer, Dr; National Cancer Centre Singapore

13:46 **S264: Cut Margin Status and Its Impact on Outcome in Cancers of Oral Cavity**; Shilpi Sharma, MS, DNB, Suhail Sayed, MS, Pawan Rane, MS, Devendra A Chaukar, MS, DNB, Anuja D Deshmukh, MS, Anil D'Cruz, MS, DNB, FRCS, Hon; Tata Memorial Hospital, Mumbai

13:54 Discussion

14:00 **S265: A Novel Volume-Based Tumor Specimen Index for Assessing Adequacy of Resection in Early Stage Oral Tongue Cancer**; Pablo H Montero, MD, Frank L Palmer, BA, Purvi D Patel, MD, Andrew G Shuman, MD, Ian Ganly, MD, PhD, Jatin P Shah, MD, Snehal G Patel, MD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer

14:08 **S266: Survival Analysis of Triple Modality Treatment for Oral Cavity Squamous Cell Carcinoma**; Vincent L Biron, MD, PhD, Han Zhang, MD, Peter Dziegielewski, MD, Daniel A O'Connell, MSc, MD, FRCSC, Khalid Ansari, MD, Med, FRCSC, Jeffrey Harris, MD, FRCPC, Hadi Seikaly, MD, FRCSC; University of Alberta

14:16 **S267: Does Close Margin Alone Warrant Postoperative Adjuvant Radiotherapy in Oral Cavity Squamous Cell Carcinoma?**; Sydney Ch'ng, MD, Kan Gao, BEng, Ruta Gupta, MD, Jonathan R Clark, MD; Sydney Head & Neck Cancer Institute, Royal Prince Alfred Hospital, Missenden Road, Camperdown, Sydney, New South Wales, Australia

14:24 Discussion

14:30 **S268: Head and Neck Cancer and Socioeconomic Status in Canada from 1992 to 2004: Survival**; Euna Hwang, MDCM, Stephanie Johnson-Obaseki, MD, FRCSC, James T MacDonald, PhD, Martin Corsten, MD, FRCSC; University of Ottawa, University of Toronto, University of New Brunswick

14:38 **S269: Changing Trends in Tobacco and Alcohol Consumption in Patients with Oral Cancer (1985-2009)**; Pablo H Montero, MD, Purvi D Patel, MD, Frank L Palmer, BA, Snehal G Patel, MD, Jatin P Shah, MD, Ian Ganly, MD, PhD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center

14:46 **S270: Can Metastatic Lymph Node Ratio Predict Survival Rate In Oral Cavity Cancer Patients?**; Suhail I Sayed, Dr, Shilpi Sharma, Dr, Pawan Rane, Dr, Devendra Chaukar, Dr, Anuja Deshmukh, Dr, Pankaj Chaturvedi, Dr, Anil K D'Cruz, Dr; Tata Memorial Hospital

14:54 Discussion

701B Proffered Papers: Thyroid

Moderators: Hiltrud K. Glanz, MD, Young-Ik Son, MD, PhD and Conrad V. Timon, MD

13:30 **S271: Aggressive Follicular Thyroid Carcinoma: A Heterogenic Diagnosis by Molecular Analysis**; Michelle D Williams, MD, Steven Y Lai, MD, PhD, Maria E Cabanillas, MD, Katherine S Hale, PhD; The University of Texas MD Anderson Cancer Center

13:38 **S272: Targeting Focal Adhesion Kinase in Anaplastic and Papillary Thyroid Cancer Inhibits Tumor Function and Growth**; Yunyun Chen, PhD, Maria K Gule, MD, Makoto Adachi, DDS PhD, Cristina T Dodge, MS, Ying C Henderson, MD, PhD, Stephen Y Lai, MD, PhD; University of Texas M.D. Anderson Cancer Center

13:46 **S273: Clinical role of Hepatocyte Growth Factor and c-Met Gene Expression in Papillary Thyroid Microcarcinoma**; Bon Seok Koo, PhD MD, Young Hoon Yoon, Yeo-Hoon Yoon, Hak Jun Kim; Department of Otolaryngology-Head and Neck Surgery, Cancer Research Institute, Research Institute for Medical Sciences, Chungnam National University College of Medicine, Daejeon, Korea

13:54 Discussion

14:00 **S274: The Selective Use of Radioactive Iodine in the Management of Patients at Intermediate Risk of Death Following Surgical Treatment of Papillary Carcinoma of the Thyroid**; Iain J Nixon, Dr, Ian Ganly, Dr, Snehal G Patel, Dr, Frank L Palmer, Mr, Monica M Whithcer, Miss, Robert M Tuttle, Dr, Ashok R Shaha, Dr, Jatin P Shah, Dr; Head and Neck Service, Memorial Sloan Kettering Cancer Center

14:08 **S275: Intraoperative PTH Values Can Predict Patients Who Might Benefit from Parathyroid Cryopreservation during Parathyroidectomy**; Kepal N Patel, MD, Jennifer B Ogilvie, MD, Keith S Heller, MD; NYU Langone Medical Center

14:16 **S276: Hurthle Cell Lesions- A Retrospective Review of Final Surgical Pathology**; TR Kroeker, MD, E Prisman, MD, C Macmillan, MD, JL Freeman, MD; Department of Otolaryngology- Head and Neck Surgery, Mount Sinai Hospital

14:24 Discussion

14:30 **S277: T1a/b Thyroid Cancer: Presentation, Natural History and Outcome with Regard to New Grading Systems for Early Thyroid Cancer**; Neil Sharma, MBChB, MRCS, Joel Smith, MBChB, FRCS, John C Watkinson, FRCS, MSc, MD; University Hospital Birmingham

14:38 **S278: Stimulated Serum Throglobulin as Predictor of Nodal Recurrence in Well Differentiated Thyroid Carcinoma**; Renata D'Andrada, MD, Ivan Marcelo Agra, MD PhD, Lucas Silva, MD, Gilney Porto, MD, Alexis Guedes, MD PhD, Caio Alves, MD, José Castro Filho, MD, Fernanda Fahel, MD; Hospital Aristides Maltez Head and Neck Service / Endocrinoloy Section / Nuclear Medicine Service

14:46 **S279: Outcomes of Incidentally Discovered Thyroid Nodules Referred to a High Volume Head and Neck Surgeon**; TR Kroeker, MD, GJ le Nobel, JL Freeman, MD; Department of Otolaryngology-Head and Neck Surgery, Mount Sinai Hospital

14:54 Discussion

717 Proffered Papers: Basic Science-Invasion/ Metastasis

Moderators: Anthony C. Nichols, MD and Alec E. Vaezi, MD, PhD

13:30 **S280: Migration of Head and Neck Cancer Cells in Over-Expressed Human Beta-Defensin-3 (HBD) Media Using Microfabricated Cell Islands;** Kevin Wang, BSc, MSc, Joanne H Wang, BSc, Harri Baskaran, PhD, Gen Jin, PhD, Russell Wang, DDS, MSD; University of Cincinnati, Brown University, and Case Western Reserve University

13:38 **S281: Invasive Properties in HNSCC Are Both Tumour and Stroma Dependent: Compelling Evidence from Organotypic Models;** Jagtar Dhanda, MFDS, MRCS, BScHons, Richard Shaw, FRCS, FDS, MD, Janet Risk, PhD, Asterios Triantafyllou, MBBS, PhD, Julia Woolgar, MBBS PHD, Ross Sibson, PhD; University of Liverpool

13:46 **S282: Cancer-Associated Fibroblasts Mediate Aggressive Biological Behavior in the Tumor Microenvironment of HNSCC Through a Neurotrophin Axis;** T Yilmaz, MD, T Jiffar, MD, J Lee, PhD, J Heymach, MD, PhD, M Kupferman, MD; The University of Texas MD Anderson Cancer Center

13:54 Discussion

14:00 **S283: Use of Adipose Derived Stem Cells in Head & Neck Cancer Reconstructive Surgery: Is There Concern?;** M Cheng, MD, M Anbalagan, PhD, EA Lacayo, MD, RK Jones, BS, J Devay, BA, JM Gimble, MD, PhD, PL Friedlander, MD, FACS, BG Rowan, PhD, ES Chiu, MD, FACS; Tulane University School of Medicine

14:08 **S284: Detection of Circulating Tumor Cells in Patients with Squamous Cell Carcinoma of the Head and Neck;** Kris R Jatana, MD, Priya Balasubramanian, PhD, Jas C Lang, PhD, Theodoros N Teknos, MD, David E Schuller, MD, Amit Agrawal, MD, Enver Ozer, MD, Matt Old, MD, Jeffrey Chalmers, PhD; The Ohio State University, Arthur G. James Cancer Hospital, Nationwide Children's Hospital

14:16 **S285: MTBP: An Essential Gene and Novel Biomarker for Squamous Cell Carcinomas of the Head and Neck (SCCHN);** Nikolina Vlatkovic, PhD, Arpita Ray-Sinha, PhD, Mark Brady, PhD, Navdeep Upile, MBChB, Carlos P Rubbi, PhD, Anna Behrendt, PhD, Terence M Jones, MD, Mark T Boyd, PhD; University of Liverpool and University Hospital Aintree, Liverpool, UK

14:24 Discussion

14:30 **S286: Significance of Flt-4 Expression on Tumor Cells and Its Autocrine Mechanism with VEGF-C/Contactin-1 in Progression of Head and Neck Squamous Cell Carcinoma;** Seiji Shigetomi, MD, Yorihisa Imanishi, MD, Masayuki Shimoda, MD, Kaori Kameyama, MD, Katsushi Shibata, Nobuya Sakai, PhD, Koji Sakamoto, MD, Fujii Ryoichi, MD, Noboru Habu, MD, Kuninori Ootsuka, MD, Kaoru Ogawa, MD; Department of Otorhinolaryngology-Head and Neck Surgery, Keio University School of Medicine, Tokyo, Japan

14:38 **S287: Overexpression of Activin A is Associated with Poor Prognosis in Patients with Oral Squamous Cell Carcinoma and Promotes the Proliferation, Motility and Invasion of Oral Cancer Cells;** Kai-Ping Chang, MD, PhD, Chi-Neu Tsai, PhD; Chang Gung Memorial Hospital & Chang Gung Universitiy

14:46 **S288: Anticancer Effects of Histamine 2 Receptor Antagonists (H2RA) in Head and Neck Squamous Carcinoma;** Silvana Papagerakis, MD, PhD, Omar Shkeir, Li Zheng, DDS, PhD, Randal Knibbs, PhD, Sara Selman, Katherine Balaskas, Petros Papagerakis, DDS, MS, PhD, Emily Bellile, MS, Sonia Duffy, PhD, RN, David A Hanauer, MD, Gregory Wolf, MD; Head Neck Cancer SPORE P50 CA097248, University of Michigan Ann Arbor

14:54 Discussion

15:30 - 16:00 **Afternoon Beverage Break** 700 FOYER

15:30 - 17:00 **Panels or Proffered Papers**

718B Panel: Adjuvant Radiation Therapy After Surgery

Panel Moderator: David Raben, MD

This panel will focus on the indications and outcomes for adjuvant radiation and radiation plus systemic therapy after surgical treatment of patients with head and neck cancers. Theoretical and practical considerations will be discussed, as will the most current data from clinical trials studying the oncologic and functional impact of post-operative adjuvant treatment.

15:30	**Indications for Treatment After Oral Cancer Surgery**	Danny J. Enepekides, MD
15:50	**Updates on Cooperative Group HNC Post-Op Trials**	Merrill S. Kies, MD
16:10	**Oropharyngeal after TORS or Laser Excision**	Harry Quon, MD
16:30	**Neck-When to Treat? What is the Optimal Dose of Radiation and When is CT Appropriate?**	Andrew Hope, MD
16:50	**Q&A**	

At the conclusion of this session, participants will be able to:

1. Describe the theoretical rationale for post-surgery adjuvant treatment;
2. Discuss the current options for post-surgical adjuvant treatment and their benefits and drawbacks;
3. Discuss the outcomes of clinical trials in this area.

[RADONC]

701A Panel: Challenges in Head and Neck Reconstruction: Now and the Future

Panel Moderators: Ralph W. Gilbert, MD and Mark L. Urken, MD

This panel will review the current and future developments in head and neck reconstruction focusing on the current state and opportunities for development for mandibular reconstruction, maxillary reconstruction, anterior skull base reconstruction and airway reconstruction.

15:30	**Mandible Reconstruction State-of-the-Art and the Future**	Fu-Chan Wei, MD
15:45	**Classification, Indications and Options for Maxillary Reconstruction**	James S. Brown, MD
16:00	**Options in Anterior Skull Base Reconstruction**	Neil D. Futran, MD
16:15	**Laryngotracheal Prefabrication and Transplantation**	Pierre R. Delaere, MD, PhD
16:30	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Describe the current options for reconstruction of the mandible;
2. Describe the classification, indications and reconstructive options for defects of the maxilla;
3. Describe the reconstructive options for anterior skull base defects when no local options exist for structural or soft tissue reconstruction;

4. Describe the options for laryngotracheal prefabrication for salvage surgery following failure of non-surgical organ preservation therapies.

[SURG]

718A Panel: Current Challenges in the Management of Pharynx and Larynx Cancer

Panel Moderator: June Corry, MD

This session will focus on current barriers to optimizing patient outcomes in both pharynx and larynx cancer and how structured clinical research can remove these barriers. There will be extra time allocated for audience participation.

15:30 **Advancing Radiation Techniques and Outcomes in Oropharyngeal Cancer** — Paul M. Harari, MD

15:52 **Can Transoral Surgery Give Superior Oncologic and Functional Outcomes Compared to Nonsurgical Management in Oropharyngeal Cancer?** — Bruce H. Haughey, MD

16:14 **Advanced Larynx Cancer – Improving Patient Selection for Better Outcomes** — June Corry, MD

16:36 **What is the Role of Open Surgical Approaches in Pharynx and Larynx Cancer?** — Bernard Lyons, MD

At the conclusion of this session, participants will be able to:

1. Understand the optimal technical aspects involved in both radiotherapy and transoral surgery (TOS) in the management of oropharyngeal cancer;
2. Understand the issues pertaining to the debate as to which treatment modality(ies) delivers the best oncologic, functional and quality of life outcomes in oropharyngeal cancer, including an update from the NCI Clinical Trial Planning Conference;
3. Understand how to select which patients and what tumors for tailored treatment of advanced larynx cancer to optimize oncologic and functional outcomes;
4. Understand patient selection for and the technical expertise involved in salvage surgery for both oropharyngeal and laryngeal cancer.

[RADONC]

701B Proffered Papers: Radiotherapy

Moderators: Robert J. Amdur, MD, Dwight E. Heron, MD and Randall P. Morton, MD

15:30 **S289: The Importance of Reporting Clinical Trial Sponsorship: Results of Recent Head and Neck Cancer Therapeutic Trials**; Gordon H Sun, MD, Jeffrey J Houlton, MD, Mark MacEachern, MLIS, Carol R Bradford, MD, Rodney A Hayward, MD; University of Michigan, University of Cincinnati

15:38 **S290: Patterns of Failure in Patients Treated with Intensity Modulated Radiation Therapy (IMRT) Using Helical Tomotherapy (HT) for Squamous Cell Carcinomas of the Head And Neck (SCCHN), Results of a Prospective Trial**; H AlHussain, MD, FRCPC, I Busca, MD, K Carty, MRTT, J Broomfield, MD, S El-Sayed, MD, FRCPC, L Eapen, MD, FRCPC, B Esche, MD, FRCPC, L Grimard, MD, FRCPC; University of Ottawa, Ottawa, Ontario, Canada, The Ottawa Hospital Cancer Centre, Ottawa, Ontario, Canada and The Ottawa Hospital Research Institute, Ottawa, Ontario, Canada

15:46 **S291: Prophylactic Effects of Antioxidant Vitamin E + C Complex on the Radiation-Induced Xerostomia in Patients with Head and Neck Cancer**; Young-Ik Son, MD, PhD, Man Ki Chung, MD, Yong Chan Ahn, MD, PhD, Joon Young Choi, MD, Eun Hye Kim, MS; (1)Department of Otorhinolaryngology-Head & Neck Surgery, (2)Radiation Oncology, and (3)Nuclear Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, and (4)Samsung Comprehensive Cancer Center, Seoul, Korea

15:54 Discussion

16:00 **S292: Post-Irradiation versus De Novo Sarcomas of the Head and Neck: Outcomes and Prognostic Factors**; Kaijun Tay, Ming Sheng Yeang, Whee Sze Ong, MAppStat, Ha Tam Cam, MD, Anuradha Thiagarajan, MD, Daniel Tan, MD, Khee-Chee Soo, MD, Hiang Khoon Tan, MD, N Gopalakrishna Iyer, MD; Department of Surgical Oncology, Division of Clincial Trials and Epidemiological Sciences, Department of Radiation Oncology, Department of Medical Oncology National Cancer Centre Singapore, Singapore

16:08 **S293: A Survey on Post-Radiation Neck Dissections among Active Members of the American Head and Neck Society**; Michael V Medina, MD, William Mendenhall, MD, Robert Amdur, MD, Anamaria Yeung, MD; University of Florida Departments of Otolaryngology-Head and Neck Surgery and Radiation Oncology

16:16 **S294: Residual Nodal Disease in Advanced-Stage Oropharyngeal Squamous Cell Carcinoma Treated with Definitive Radiation Therapy and Post-Treatment Neck Dissection is Associated with Local-Regional Recurrence, Distant Metastasis and Decreased Survival**; Vlad C Sandulache, MD, PhD, Thomas J Ow, MD, Shiva P Daram, MD, Jackson Hamilton, MD, Heath D Skinner, MD, PhD, Diana Bell, MD, David I Rosenthal, MD, Beth M Beadle, MD, PhD, Kiang K Ang, MD, PhD, Merrill S Kies, MD, Faye M Johnson, MD, PhD, Adel K El-Naggar, MD, PhD, Jeffrey N Myers, MD, PhD; Bobby R. Alford Department of Otolaryngology Head and Neck Surgery Baylor College of Medicine, Department of Head and Neck Surgery The University of Texas M. D. Anderson Cancer Center

16:24 Discussion

16:30 **S295: Survival Improvement Observed When Tonsillectomy Precedes Radiation Therapy in Early Stage Tonsil Cancer: Analysis of SEER Data**; Michael A Holliday, MD, Raluca Tavaluc, BS, Hongkun Wang, PhD, Tingting Zhuang, MS, Bruce Davidson, MD, Georgetown University Hospital Department of Otolaryngology-Head and Neck Surgery; Georgetown University School of Medicine, Georgetown University Department of Biostatistics, Bioinformatics, and Biomathematics, Washington, DC, USA

16:38 **S296: Early Experience with 2-(1'-Hexyloxyethyl)-2-Devinylpyropheophorbide-a Photodynamic Therapy in Head and Neck Tumors**; Nestor Rigual, Jennifer Frustino, Michele Cooper, Ravindra Pandey, Maureen Sullivan, Barbara Henderson; Roswell Park Cancer Institute

16:46 **S297: Clinicopathological Features of Post-Irradiation versus De Novo Head and Neck Squamous Cell Carcinoma - A Matched Pair Analysis**; Gerald Tay, MD, N.Gopalakrishna Iyer, PhD, MD, Whee-Sze Ong, Ms, David Tai, MD, Jonathan Teh, MD, Mei-Kim Ang, MD, Tam-Cam Ha, PhD, Khee-Chee Soo, MD, FRACS, FAMS, Hiang-Khoon Tan, MD, PhD; National Cancer Centre/ Singapore General Hospital

16:54 Discussion

714 Proffered Papers: Oral Cavity II

Moderators: Ramon M. Esclamado, MD, Reidar Grénman, MD and Luiz P. Kowalski, MD, PhD

15:30 **S298: The Prognostic Value of Lymph Node Dissection in T3/4pN0 Oral Cavity Squamous Cell Carcinoma (OCSCC)**; James J Jaber, MD, PhD, Chad A Zender, MD, Jonas T Johnson, MD, Robert L Ferris, MD, PhD, Vikas Mehta, MD, Kara Davis, MD, Richard W Borrowdale, MD, Pierre Lavertu, MD, Rod Rezaee, MD; University of Pittsburgh Medical Center, Case Western University Hospitals, Loyola University Medical Center

15:38 **S299: The Impact of Pathological N1 Neck on the Prognosis of Patients with Primary Early Oral Squamous Cell Carcinoma and the Benefit of Postoperative Radiotherapy**; Tseng-Cheng Chen, MD, Jeng-Yuh Ko, MD, PhD, Pei-Jen Lou, MD, PhD, Tsung-Lin Yang, MD, PhD, Yih-Leong Chang, MD, Cheng-Ping Wang, MD; Department of Otolaryngology, National Taiwan University Hospital Yun-Lin Branch, Yun-Lin, Taiwan

15:46 **S300: Evaluation of the Status of Epithelial-Mesenchymal Transition of Tongue Cancer by Isolated Tumor Foci**; Tsung-Lin Yang, MD, PhD, YL Chang, MD, CT Wu, MD, CP Wang, MD, JY Ko, MD, PhD, PJ Lou, MD, PhD; National Taiwan University Hospital

15:54 Discussion

16:00 **S301: The Prognosis of Bone Invasion in Small Squamous Cell Carcinomas of the Oral Cavity**; TM Zimmermann, MPH, CH Heath, MD, L Sweeny, MD, CF Sinclair, MD, JS Magnuson, MD, EL Rosenthal, MD; Department of Surgery, University of Alabama at Birmingham

16:08 **S302: Achievement of More than 6 Millimeter Margins as Measured on Gross Examination by a Surgeon is an Accurate Alternative to Frozen Section**; Sourav Datta, MS, Pankaj Chaturvedi, MS, Sudhir Nair, MCh, MS, Deepa Nair, MS, Prashant Pawar, MS, Sagar S Vaishampayan, MDS; Tata Memorial Hospital

16:16 **S303: Estimating HPV 16 Prevalence Through Directed Sampling of Subgingival Plaque, Surface Cytology, and Biopsies of Oral Cavity Lesions**; Benjamin J Greene, MD, Vijay Jayaprakash, PhD, Kanitsak Boonanantantanasarn, DDS, PhD, Maureen Sullivan, DDS, Jennifer Frustino, DDS, Nestor Rigual, MD, Mary Reid, PhD, Thom Loree, MD, Saurin Popat, MD, Mihai Merzianu, MD, Shawn Newlands, MD, PhD, MBA, Steven R Gill, PhD; University of Rochester School of Medicine and Dentistry and State University of New York at Buffalo School of Medicine and Biomedical Sciences

16:24 Discussion

16:30 **S304: Contact Endoscopy for the Evaluation of Oral and Oropharyngeal Lesions: A Prospective Study**; Samuel Dowthwaite, John Yoo, Anthony Nichols, Jason Franklin, MD, Kevin Fung, MD; Victoria Hospital, London Health Sciences Centre

16:38 **S305: Transoral Laser Microsurgery for Oral Squamous Cell Carcinoma: Oncologic Outcomes and Prognostic Factors**; Parul Sinha, MBBS, MS, Trevor Hackman, MD, Ningying Wu, PhD, Brian Nussenbaum, MD, FACS, Bruce H Haughey, MBChB, FACS, FRACS; Washington University School of Medicine

16:46 **S306: Review of Oral Squamous Cell Cancer Among Young Patients (< 40 years)**; Nootan K Shukla, MBBS, MS, Suryanarayana V Deo, MBBS, MS, Deepak Jha, MBBS, MS, Paras Khanna, MBBS, MS, Ramanathan Palaniappan, MBBS, MS; Dept of Surgical Oncology, Dr BRA-IRCH, AIIMS, Delhi, India

16:54 Discussion

716 Proffered Papers: Quality/Outcomes

Moderators: Marion E. Couch, MD, PhD and Michelle C. Fingeret, MD, PhD

15:30 **S307: Patient Satisfaction with Head and Neck Cancer Survivorship Clinic**; Rodrigo Bayon, MD, Kara Pasker, PAC, Lucy Hynds Karnell, PhD, Nitin A Pagedar, MD, Kristi E Chang, MD, Gerry F Funk, MD; University of Iowa Hospitals & Clinics

15:38 **S308: Communication Ability and Muscle Power of Dominant Hand as Major Factors Related to Head and Neck Cancer Survivor – Employment Status**; Yeur-Hur Lai, Professor RN, PhD, Ya-Ting Li, RN, MSN, Pei-Jen Lou, Professor MD, PhD, Cheng-Ping Wang, MD, PhD, Jenq-Yuh Ko, Professor MD, PhD, Yuan-Yuan Fang, RN, MSN, Yen-Ru Chen, RN, MSN, PhD student, Pei-Yun Hsieh, RN, MSN; School of Nursing, College of Medicine, Department of Otolaryngology, National Taiwan University & Hospital, Taipei, Taiwan

15:46 **S309: Lack of Initial Success with Survivorship Care Plans for Head and Neck Cancer Patients**; Becky L Massey, MD, Katherine B Myers, RN BSN, Bruce H Campbell, MD; Medical College of Wisconsin

15:54 Discussion

16:00 **S310: Impact of Reduced-Dose Radiation Therapy on Dysphagia-Related Quality of Life After Transoral Robotic Surgery for Oropharyngeal Squamous Cell Carcinoma**; Blake Golden, MD, Larissa Sweeny, MD, Nicholas Deep, BS, Nancy McColloch, SLP, Scott Magnuson, MD, Eben Rosenthal, MD, William Carroll, MD; University of Alabama at Birmingham

16:08 **S311: Physiological Components of Swallowing Related to Outcomes in HNC**; Kendrea L Focht, CScD, CCC, SLP, Margaret Skinner, MD, Bonnie Martin-Harris, PhD, CCC, SLP, BRSS; Medical University of South Carolina

16:16 **S312: Swallowing Outcomes in Patients with Oropharyngeal Cancer Undergoing Organ Preservation Treatment**; Heather M Starmer, MA, CCCSLP, Donna Tippett, MA, MPH, CCCSLP, Kimberly Webster, MA, CCCSLP, Harry Quon, MD, Christine G Gourin, MD, MPH; Johns Hopkins University

16:24 Discussion

16:30 **S313: Recurrent Laryngeal Nerve Action Potential Amplitudes on EMG Correlate with Vocal Fold Function After Thyroid and Parathyroid Surgery**; Ralph P Tufano, MD, Emad Kandil, MD; The Johns Hopkins University School of Medicine

16:38 **S314: Functional Outcomes in Head and Neck Squamous Cell Carcinoma after Treatment: The Effect of p16 Status and Treatment Modality on Quality of Life**; Vikas Mehta, MD, Greg J Kubicek, MD, James J Jaber, MD, PhD, Jessica M Maxwell, MD, MPH, Dwight E Heron, MD, Robert L Ferris, MD, PhD; University of Pittsburgh Medical Center, Department of Otolaryngology/Head and Neck Surgery, Pittsburgh, PA, USA

16:46 **S315: Functional Outcome After Transoral Co2 Laser Partial Laryngectomy in Previously Radiated Patients: A Review of 47 Patients**; Rosemary B Ojo, MD, Marianne Abouyared, BA, Christopher E Fundakowski, MD, Kaming Lo, MPH, Zoukaa B Sargi, MD; University of Miami Miller School of Medicine

16:54 Discussion

717 Proffered Papers: New Therapeutic Targets II

Moderators: David I. Rosenthal, MD, Paul M. Weinberger, MD and Richard J. Wong, MD

15:30 **S316: Targeted Radiosensitization of Head and Neck Squamous Cell Carcinoma: Dependence on DNA Repair Status**; CVM Verhagen, MD, TO Oostendorp, RA Grenman, MD, PhD, AC Begg, PhD, MWM van den Brekel, MD, PhD, C Vens, PhD; Netherlands Cancer Institute, UMC St Radboud Nijmegen, University Turku

15:38 **S317: Statin (Atorvastatin) Inhibits RhoC Function in Head and Squamous Cell Carcinoma**; Mozaffarul Islam, PhD, Smita Sharma, MS, Theodoros N Teknos, MD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University

15:46 **S318: Ligand-Binding Requirements of Integrin a3 1 in Mediating Pro-Tumorigenic Functions**; Jimmy C Yao, Sean Hammond, CM DiPersio; Center for Cell Biology and Cancer Research, Albany Medical College, Albany, New York

15:54 Discussion

16:00 **S319: Coordinated Targeting of the Epidermal Growth Factor Receptor Signaling Axis by MicroRNA-ETC* in Head and Neck Squamous Cell Carcinoma**; Mihir K Bhayani, MD, Xiaoli Wu, MD, Xiaofeng Yan, MD, Cristina T Dodge, MS, Milena S Nicoloso, PhD, Yunyun Chen, PhD, Chad E Galer, MD, Tilahun Jiffar, PhD, Curtis R Pickering, PhD, Michael E Kupferman, MD, Jeffrey N Myers, MD, PhD, George A Calin, MD, PhD, Stephen Y Lai, MD, PhD; University of Texas M.D. Anderson Cancer Center

16:08 **S320: Targeting STAT3 Inhibits Head and Neck Squamous Cell Carcinoma Growth in Vitro and in Vivo**; Makoto Adachi, DDS, PhD, Caixia Cui, MS, Cristina T Dodge, MS, Mihir K Bhayani, MD, Yunyun Chen, PhD, Stephen Y Lai, MD, PhD; Department of Head and Neck Surgery, The University of Texas M.D. Anderson Cancer Center

16:16 **S321: Identification of Synthetic Lethal Micrornas by a Functional Genetic Screen in Head and Neck Squamous Carcinoma Cells**; M Lindenbergh-van der Plas, Bsc, SR Martens-de Kemp, Bsc, M de Maaker, Ing, R Agami, PhD, WN van Wieringen, PhD, F Cerisoli, PhD, CR Leemans, PhD, MD, BJM Braakhuis, PhD, RH Brakenhoff, PhD; Depts Otolaryngology / Head-Neck Surgery and Epidemiology and Biostatistics, VU University Medical Center, Amsterdam Div Gene Regulation, The Netherlands Cancer Institute, Amsterdam, InteRNA Technologies BV, Bilthoven, The Netherlands

16:24 Discussion

16:30 **S322: Activation of the Insulin-Like Growth Factor-1 Receptor (IGF1R) Alters p27 Regulation by the Epidermal Growth Factor Receptor (EGFR) in Oral Squamous Carcinoma Cells**; Mark J Jameson, MD, PhD, Linnea E Taniguchi, MS, Kyle K VanKoevering, BSE, Menachem M Stuart, MD, Christian R Francom, BS, Andrew D Beckler, MD, Christopher Y Thomas, MD, Ashraf Khalil, MD, PhD; University of Virginia Health System

16:38 **S323: Activity of the Tubulin-Binding Vascular Disrupting Agent Oxi4503 in Head and Neck Cancer**; Margaret Folaron, BS, Jaimee M Lockwood, MS, David A Bellnier, PhD, Mukund Seshadri, DDS, PhD; Roswell Park Cancer Institute

16:46 **S324: Targeting the Vasculature to Enhance Chemotherapeutic Efficacy Against Head and Neck Cancers**; Jaimee Lockwood, MS, Margaret Folaron, BS, Jordan Vokes, BS, David Rigual, MS, Vishal Gupta, MD, Mukund Seshadri, DDS, PhD; Roswell Park Cancer Institute

16:54 Discussion

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19:00 - 21:00

AHNS President's Reception – Hockey Hall of Fame

Join Dr. Carol Bradford for an evening reception with the AHNS President at the world famous Hockey Hall of Fame. Don't miss your opportunity to interact with top head and neck professionals from around the world. Enjoy interactive games that challenge your mad hockey skills and have a chance to gaze at the Stanley Cup! Reception includes lite food and cocktails. Event is free to all scientific session attendees and registered accompanying persons.

Shuttle service from the Westin, Renaissance and Intercontinental hotels to the Hockey Hall of Fame begins at 6:45 pm. Shuttles will rotate throughout the evening from the event back to the hotels, ending at 10:00 pm.

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Scientific Session

Wednesday, July 25, 2012

GENERAL SESSION

EXHIBIT HALL G

07:45 - 08:00 **Closing Comments**

08:00 - 08:30 **New York Head & Neck Society Lecture**

"Cancer Metabolism Back to the Future"

Tak Wah Mak, PhD

Professor, University of Toronto; Director, Campbell Family Institute for Breast Cancer Research, Ontario Cancer Institute, Princess Margaret Hospital, Toronto, Ontario, Canada

Introduction by James W. Rocco, MD, PhD

At the conclusion of this lecture, participants will be able to:

1. Appreciate the importance of metabolism in the onset and progression of cancer;
2. Describe several oncogenic mutations which affect cellular metabolism and promote transformation;
3. Be aware of the need for therapeutic drugs which target cellular metabolism.

08:30 - 09:00 **Milton J. Dance, Jr. Lecture**

"Optimizing Functional and Esthetic Results of Segmental Mandibular Defect"

Fu-Chan Wei, MD

Department of Plastic Surgery, Chang Gung Memorial Hospital, Taipei, Taiwan

Introduction by John R. Saunders, Jr., MD

At the conclusion of this lecture, participants will be able to:

1. Appreciate the complexity of reconstruction;
2. Appreciate the achievable functional and esthetic result, nowadays;
3. Learn principle concepts and techniques for achieving optimal functional and esthetical result.

09:00 - 09:30 **Morning Coffee Break** 700 FOYER

09:30 - 11:00 **Panels or Proffered Papers**

701A Panel: Head and Neck Cancer Genomics: Implications for Therapy

Panel Moderator: James W. Rocco, MD, PhD

This session will describe powerful technologic breakthroughs in cancer genomics that are enabling investigators to describe the genomic alterations underlying the processes of malignant transformation in cells and tissues of the head and neck region in exquisite detail. The significance of these developments with respect to prognosticating and treating the head and neck cancer patient will be discussed.

09:30	**Introduction**	James W. Rocco, MD
09:35	**Head and Neck Cancer Genomics: A Brazilian Perspective**	Emanuel Dias-Neto, MD

09:50	**The Genetic Landscape of Head and Neck Squamous Cell Carcinoma**	Nishant Agrawal, MD
10:05	**Integrated Head and Neck Cancer Genomics**	Jeffery N. Myers, MD
10:20	**Next Generation Sequencing of Head and Neck Cancers: Pathways to Personalized Medicine**	Ann Marie Egloff, PhD
10:35	**Intratumor Genetic Heterogeneity HNSCC – Opening Pandora's Box**	James W. Rocco, MD
10:50	**Discussion**	

At the conclusion of this session, participants will be able to:

1. List available platforms for the genomic characterization of head and neck cancers;
2. Describe the most common genomic alterations found in squamous cancers of the head and neck region;
3. Discuss the potential and challenges of integrating cancer genomic studies into the practice of head and neck oncology;
4. Understand the limitations in applying next generation sequencing in clinical care.

[RESEARCH]

718A Panel: Management of the Neck: New and Emerging Issues

Panel Moderator: K. Thomas Robbins, MD

The approach to neck disease continues to change based on improved understanding of the biology and new treatments. Experts in the field will highlight the important advances and new treatment paradigms for patients with regional metastases.

09:30	**Neck Dissection Nomenclature: Current and Future**	Jatin P. Shah, MD
09:45	**Prognostic Biological Parameters in Neck Dissection Specimens**	David P. Goldstein, MD
10:00	**The Role of Neck Dissection in the Era of Chemoradiation**	C. René Leemans, MD, PhD
10:15	**The Role of Neck Dissection in Transoral Surgery**	Petra Ambrosch, MD
10:30	**Advances in Radiation Therapy in the Treatment of Nodal Disease**	Vincent Grégoire, MD, PhD
10:45	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Understand the current parameters that best determine the prognostic outcome for patients with neck metastases;
2. Know the latest recommendations for classifying neck dissection procedures;
3. Know the state of the art treatment approaches for providing optimal outcomes for patients with neck metastases;
4. Become familiar with new technologies in the management of neck disease.

[SURG]

718B Panel: The Science of HPV

Panel Moderator: John H. Lee, MD

In this session participants will learn the molecular changes that allow HPV cancers to progress and innovative methods to treat these patients in the future. The study participants will update on new therapy approaches and our current understanding of how these cancers form.

09:30	**Oral HPV16 Infection and Preventing Secondary Oropharyngeal Infection**	Carole Fakhry, MD
09:50	**The Tonsil: What Makes It Susceptible to HPV Infection?**	Sara I. Pai, MD, PhD
10:10	**Distinct Molecular Aberrations Between HPV-Positive vs. HPV-Negative Oropharyngeal Carcinomas**	Fei-Fei Liu, MD
10:30	**Immune Response during Treatment for Human Papillomavirus-Related Head and Neck Cancer**	John H. Lee, MD
10:50	**Discussion**	

At the conclusion of this session, participants will be able to:

1. Discuss the impact of secondary HPV infections;
2. At the end of this session, the audience will acquire a greater understanding of some of the distinct molecular drivers in these two diseases;
3. At the conclusion of this presentation the audience will have an initial understanding of several key cell surface changes that occur during therapy and how they help in tumor clearance;
4. Understand the role of the immune system in modulating HPV infection and the potential of harnessing the immune system to fight HPV+ tumors.

[RESEARCH]

701B Proffered Papers: Thyroid/Parathyroid II

Moderators: Medhat Oteifa, MD, David J. Terris, MD and Myung-Whun Sung, MD

09:30	**S325: Head and Neck Surgeon Performed Ultrasound Provides Optimal Surgical Intervention for Thyroid and Parathyroid Patients**; Brad Beckham, MS, Salem I Noureldine, MD, Haytham Alabbas, MD, Kevin Kniery, BSC, Razwan Aslam, DO MS, Paul Friedlander, MD, FACS, Emad Kandil, MD, FACS; Tulane University School of Medicine
09:38	**S326: Robotic Thyroidectomy via Transaxillary Single Port Approach for Papillary Thyroid Cancers: Preliminary Reports**; Yoon Woo Koh, MD, PhD, Hyun Jun Hong, MD, Won Shik Kim, MD, So Yoon Lee, MD, Hyoun Shin Lee, MD, Se Heon Kim, MD, PhD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngolgoy, Yonsei University College of Medicine, Seoul, South Korea
09:46	**S327: Minimally Invasive Parathyroidectomy in Sestamibi Negative Patients**; Michael C Singer, MD, Manoj Mathew, BS, David J Terris, MD; Georgia Health Sciences University
09:54	Discussion
10:00	**S328: Prognostic Normogram to Predict Treatment Outcome of Thyroid Cancer**; KA Pathak, MD, FRCSGlasg, FRCSEd, FRCSC, WD Leslie, MD, FRCPC, RW Nason, MD, FRCSC, TC Klonisch, PhD; Cancer Care Manitoba and University of Manitoba, Winnipeg (Canada)
10:08	**S329: Anaplastic Thyroid Carcinoma: A 25-Year Experience**; Arash Mohebati, MD, Monica M Whitcher, BA, Snehal G Patel, MD, Ashok R Shaha, MD, Jatin P Shah, MD, Ian Ganly, MD; Memorial Sloan-Kettering Cancer Center, Head and Neck Service

10:16 **S330: Meta-analysis on the Effectiveness of Radioactive Iodine Versus Thyroidectomy in the Treatment of Graves[1] Disease**; Salem I Noureldine, MD, Bradley M Genovese, MS, Elizabeth Gleeson, MS, Ralph P Tufano, MD, Emad Kandil, MD FACS; Tulane University School of Medicine

10:24 Discussion

10:30 **S331: Central Compartment Lymph Node Metastasis in Differentiated Thyroid Cancers: Patterns of Spread and Predictive Factors**; Rakesh Katna, MS, DA Chaukar, MS, AD Deshmukh, MS, AK D'Cruz, MSDNB; Tata Memorial Hospital

10:38 **S332: Radioiodine Therapy in Well-Differentiated Thyroid Carcinoma: Impact on Overall Recurrence-Free Survival and on Nodal Recurrence-Free Survival**; Ivan Marcelo Agra, MD, PhD, Lucas Silva, MD, Renata D'Andrada, MD, Gilney Porto, MD, Caio Alves, MD, Leonardo Kruschewsky, MD, PhD, Alexis Guedes, MD, PhD, Lise Barreto, MD, Fernanda Fahel, MD, Glaucia Oki, MD; Hospital Aristides Maltez Head Neck Service / Endocrinology Section / Nuclear Medicine Service

1046 **S333: Evaluation of BRAF Mutation Shows Strong Correlation with Extra-Thyroidal Extension**; C Wynne, E Duddy, J Curry, K Scott, P Fortina, D Cognetti, E A Pribitkin, A A Quong; Thomas Jefferson University-Kimmel Cancer Center, Department of Cancer Biology, Department of Otolaryngology-Head and Neck Surgery, Jefferson Cancer Genomics Laboratory, Philadelphia, PA, USA

10:54 Discussion

714 Proffered Papers: Larynx

Moderators: Stephan Lang, MD, Bernard Lyons, MD and Drago Prgomet, MD

09:30 **S334: Feasibility of Transoral Robotic Surgery Total Laryngectomy (TORS-TL)**; Georges Lawson, MD, Abie Mendelsohn, MD, Vincent Bachy, MD, Sebastien Van Der Vorst, MD, Marc Remacle, MD, PhD; ENT & Head Neck Department CHU UCL de Mont-Godinne, Belgium

09:38 **S335: Laser Endoscopic Treatment of Precancerous Vocal Cords Lesions**; Pierre Moreau, MD, PhD, Alexandre Biermans, MD, Pierre Demez, MD, PhD; CHU Liege

09:46 **S336: Hypo-Fractionated Radiotherapy for T1 Glottis Carcinoma: The Impact of Anterior Commissure Involvement on the Treatment Outcomes**; Sharankumar Shetty, MD, Naveen Hedne, MD, Krishnakumar Thankappan, MD, Sriprakash Duraisamy, MD, Chandrasekhar Rao, MD, Subramaya Iyer, MD, D Vijaygopal, MD; Amrita Institute of Medical Science

09:54 Discussion

10:00 **S337: Histological Patterns of Disease in Primary versus Salvage Total Laryngectomy: Do Different Diseases Call for Different Approaches?**; Natalie Tabares, MRCS, DOHNS, Iain Nixon, FRCS, ORLHNS, Thomas Pezier, MRCS, DOHNS, Anil Joshi, MRCS, DOHNS, Peter Morgan, PhD, FRCPath, Edward Odell, PhD, FRCPath, Richard Oakley, FRCS, ORLHNS, Jean-Pierre Jeannon, FRCS, ORLHNS, Ricard Simo, FRCS, ORLHNS, Selvam Thavaraj, PhD, FDSRCS, FRCPath; Guy's and St Thomas' NHS Foundation Trust, London, United Kingdom

10:08 **S338: Endoscopic Laryngeal Surgery for Early Laryngeal Cancer: The Birmingham Experience**; Ajith P George, FRCS, John C Hardman, MBBS, JP Pracy, FRCS; University Hospital of Birmingham

10:16 **S339: Transoral Laser Surgery for Early-Stage Glottic Carcinoma as a Single Modality Therapy**; Hyoung Shin Lee, MD, Sung Won Kim, MD, Seung Tae Kim, MD, Yong Hyeon No, MD, Yoon Jung Choi, MD, Jong-Chul Hong, MD, Kang Dae Lee, MD, PhD; Kosin Universty College of Medicine

10:24 Discussion

10:30 **S340: Time to First Cigarette and Larynx Cancer Risk**; Joshua E Muscat, PhD, Steven Stellman, PhD; Penn State College of Medicine

10:38 **S341: The Impact of Comorbidity on Treatment of Advanced Laryngeal Cancer: A Review of >16,000 Cases from the National Cancer Database (2003-2008)**; Jason Zhu, BA, Stacey Fedewa, MPH, Amy Y Chen, MD, MPH; Emory University, American Cancer Society

10:46 **S342: Decision Analysis in Management of the Neck Following Primary Chemoradiotherapy for Squamous Cell Carcinoma**; Julian B White, BSc, MBChB, FRACS; Department of Otolaryngology-Head & Neck Surgery, Waikato Hospital

10:54 Discussion

716 Proffered Papers: Reconstruction III

Moderators: Vicente A. Resto, MD, PhD, Hadi Seikaly, MD and Mark A. Varvares, MD

09:30 **S343: Reducing the Need of a Split Thickness Skin Graft: Management of the Radial Forearm Free Flap Donor Site Using a Topically Applied Tissue Expansion Device**; James P Bonaparte, MD, MSc, Martin J Corsten, MD, FRCSC, Murray Allen, MD, FRCSC, Michael Gupta, MD, FRCSC, Michael Odell, MD, FRCSC; University of Ottawa

09:38 **S344: Rapid Recovery Protocol in Complex Head & Neck Reconstruction**; Mark W Clemens, MD, Samir Rao, MD, Peirong Yu, MD; MD Anderson Cancer Center, University of Texas

09:46 **S345: A Defect Based Reconstructive Classification System and Algorithm for Oropharyngeal Defects Following Transoral Robotic Surgery (TORS)**; John R de Almeida, MD, MSc, (Richard) Chan Woo Park, MD, Brett A Miles, MD, DDS, Marita S Teng, MD, Eric M Genden, MD; Mount Sinai Medical Center

09:54 Discussion

10:00 **S346: The Scapular Angle Osteomyogenous Flap for Mandibular Reconstruction**; Stephanie E Johnson-Obaseki, MD, FRCSC, Ralph W Gilbert, MD, FRCSC; University of Toronto, University Health Network

10:08 **S347: Superficial Temporal Artery and Vein - The Recipients-of-Choice for Midface and Scalp Reconstruction**; Matthew E Doscher, MD, Babak Sadoughi, MD, Bradley A Schiff, MD, Todd Miller, MD, Richard V Smith, MD, Evan S Garfein, MD; Albert Einstein College of Medicine - Montefiore Medical Center

10:16 **S348: ICU vs Non ICU Postoperative Management of Head and Neck Free Flaps: Comparative Effectiveness and Cost Comparisons**; Hassan Arshad, MD, Matthew Old, MD, Enver Ozer, MD, Amit Agarwal, MD, Aarron Thatcher, MD, Hosseinali Jafari, MD, Danette Birkheimer, RN, Heidi Basinger, RN, David E Schuller, MD, Theodoros Teknos, MD; Arthur James Cancer Center, The Ohio State University, Columbus, OH

10:24 Discussion

10:30 **S349: Reconstruction of Complex Parotidectomy Defects- Approaches and Outcomes**; Tuija M Yla-Kotola, MD, PhD, DP Goldstein, SO Hofer, DH Brown, J Asaria, JC Irish, PJ Gullane, RW Gilbert; Toronto General Hospital, University Health Network, Toronto, ON, Canada, Princess Margaret Hospital, UHN, Toronto, ON, Canada

10:38 **S350: Island Pedicled Submental Flaps for Head and Neck Reconstruction: Review of 179 Cases**; Richard E Hayden, MD, Urjeet Patel, MD, Michael Hinni, MD, Stephen Bayles, MD, David Mullin, MD, Andrew Patel, MD, Carrlene Donald, PAC; Mayo Clinic Arizona, Northwestern University, Virginia Mason Medical Center

10:46 **S351: Supraclavicular Artery Island Flap: Have We Found an Ideal Head and Neck Regional Flap?**; Ernest S Chiu, MD, FACS, Paul L Friedlander, MD, FACS; Tulane University School of Medicine

10:54 Discussion

717 Proffered Papers: Imaging

Moderators: Eric S. Bartlett, MD, Allen M. Chen, MD and Nitin A. Pagedar, MD

09:30 **S352: Use of Dynamic Magnetic Resonance Imaging During Swallowing in Assessment of Neck Metastasis with Carotid Artery Invasion**; Shun-ichi Chitose, MD, Masahiro Haraguchi, MD, Hirohito Umeno, MD, Akiteru Maeda, MD, Tadashi Nakashima, MD; Department of Otolaryngology-Head and Neck Surgery, Kurume University School of Medicine

09:38 **S353: The Prevalence of Retropharyngeal Adenopathy in Oropharyngeal Squamous Cell Carcinoma**; Matthew E Spector, MD, Steven B Chinn, MD, MPH, Emily Bellile, MS, K Kelly Gallagher, MD, Serena Byrd, MD, Eric J Chanowski, MD, Heather M Walline, MS, Jeffrey S Moyer, MD, Mark E Prince, MD, Gregory T Wolf, MD, Carol R Bradford, MD, Jonathan B McHugh, MD, Kitrina Cordell, DDS, MS, Thomas E Carey, PhD, Francis P Worden, MD, Avraham Eisbruch, MD, Douglas B Chepeha, MD, MSPH, Mohannad Ibrahim, MD; University of Michigan

09:46 **S354: Diagnostic Accuracy of Computed Tomography Findings for Patients Undergoing Salvage Total Laryngectomy**; In Sun Ryu, MD, Myung Woul Han, MD, PhD, Soon Yuhl Nam, MD, PhD, Jong-Lyel Roh, MD, PhD, Seung-Ho Choi, MD, PhD, Sang Yoon Kim, MD, PhD; Department of Otolaryngology, Asan Medical Center, College of Medicine, University of Ulsan, Seoul, Republic of Korea

09:54 Discussion

10:00 **S355: Effectiveness of PET/CT in the Preoperative Evaluation of Neck Disease**; Anthony Nguyen, BS, Adam J Luginbuhl, MD, Katie VanAble, MD, David N Cognetti, MD, Joseph Curry, MD; Thomas Jefferson University

10:08 **S356: Differences in Imaging Characteristics of HPV Positive and Negative Oropharyngeal Cancers: A Blinded Matched Pair Analysis**; Sarah C Cantrell, MD, Brandon W Peck, BS, Guojun Li, PhD, Erich M Sturgis, MD, MPH, Lawrence E Ginsberg, MD; The University of Texas MD Anderson Cancer Center

10:16 **S357: Roles of Ultrasonography and Computed Tomography in the Preoperative Detection and the Management of Central and Lateral Cervical Lymph Node Metastasis in Papillary Thyroid Carcinoma**; Yong Bae Ji, MD, Jeong Seon Park, MD, Young Jun Lee, MD, Dong Wook Lee, MD, Kyung Tae, MD; Department of Otolaryngology-Head and Neck Surgery and Department of Radiology, College of Medicine, Hanyang University, Seoul, Korea

10:24 Discussion

10:30 **S358: The Impact of Neuroradiologist Second Opinion Reporting on Head and Neck Cancer Management**; Monica Hoy, BMSc, MD, John Lysack, BSc, MSc, MD, FRCPC, Joseph Dort, BSc, MD, MSc, Mark Hudon, MD, FRCPC; Steve Nakoneshny, BSc, University of Calgary

10:38 **S359: Can Radiological Changes during Treatment Predict Success of Radiation Therapy in Patients with Locally Advanced Head and Neck Squamous Cell Carcinoma (HNSCC)?**; Sanju Mishra, BSc, Alexander Hammond, MD, Nancy Read, MD, Varagur Venkatesan, MD, Eric Winquist, MD, MSc, David Palma, MD, PhD; London Regional Cancer Program

10:46 **S360: Use of Contrasted CT Scan to Detect Extracapsular Spread (ECS) of Head and Neck Squamous Cell Carcinoma (HNSCC) from Cervical Lymph Nodes: Correlation with a Graded Histologic Scale**; Brian B Hughley, MD, Prashant Raghavan, MBBS, Sugoto Mukhergee, MD, Henry F Frierson Jr, MD, David C Shonka Jr, MD, Mark J Jameson, MD, PhD; University of Virginia Health System

10:54 Discussion

11:00 - 12:30 **Panels and Proffered Papers**

718B Panel: Immunotherapeutic Strategies for Head and Neck Cancer

Panel Moderator: Robert L. Ferris MD, PhD

Current status of preclinical and clinical data will be presented regarding immune / inflammatory/ stromal cell types, tumor: host interactions, and preclinical models of immunotherapy. The panel will also describe the approaches and clinical activity of immunotherapy and vaccines for head and neck cancer.

11:00	**Overview of HNC Immune Escape and Immunotherapy**	Robert L. Ferris, MD, PhD
11:10	**Tumor: Stromal Interactions, Angiogenesis and Inflammatory Signals**	Jacques Nör, DDS, PhD
11:25	**Review of Current Immunotherapy Strategies in the Clinic for Completed or Ongoing Trials (US and International)**	Thomas K. Hoffmann, MD
11:40	**Where Are We with Therapeutic HPV Vaccines in 2012?**	Sara I. Pai, MD, PhD
11:55	**Novel Targets for Immunotherapy of HNC**	Donald T. Weed, MD
12:10	**Discussion**	

At the conclusion of this session, participants will be able to:

1. State the immune cells, tumor: stromal: inflammatory cell interactions responsible for immune escape/ suppression in HNC patients;
2. Describe current preclinical models of HNC immunotherapy;
3. Describe clinical trial results of immunotherapy and vaccination in HNC patients for HPV+ and HPV-negative disease.

[RESEARCH]

701A Panel: Management of the Head and Neck Surgical Career

Panel Moderator: Mark K. Wax, MD

This panel will explore the issues of how one starts, develops and then mentors a surgical career. The format will be interactive in nature with discussion among the panelists as to what they have learned and would transmit to faculty that they mentor.

Panelists: David W. Eisele, MD, Patrick J. Gullane, MD, Jonas T. Johnson, MD and David J. Terris, MD

At the conclusion of this session, participants will be able to:

1. Understand methods of mentoring young surgeons embarking on an academic career;
2. Discuss different mentoring models of head and neck surgeons;
3. Develop or plan a model that allows for integration of family, surgery, a career into a holistic life style.

[SURG]

718A Panel: Robotics in Head and Neck Cancer Surgery

Panel Moderator: Jonathan C. Irish, MD

Robotically-assisted surgery was developed to overcome both the limitations of minimally invasive surgery or to enhance the capabilities of surgeons performing open surgery. While initially intended for prostate cancer this application has expanded over a short period of time with experiences in robotic surgery for gynaecological, colorectal and lung malignancies. The benefits to the patient in these applications has been recognized as being modest. Transoral Robotic Surgery (TORS) for the treatment of oral, oropharyngeal and laryngeal neoplasms has been at the forefront of application in the treatment of the patient with head and neck cancer. With a trend towards increasing toxicity in patients treated with radiation and chemotherapy investigators have increasingly explored the role of primary endoscopic head and neck surgery (using laser surgery and/or robotics). Preliminary results suggest equivalent outcomes, but many patients still receive radiation therapy after surgery. This panel will discuss the evidence-based outcomes in oropharyngeal cancer and the potential applications in thyroid neoplasms and nasopharyngeal cancer.

11:00	**Introduction: Evidence-Based Outcomes**	Jonathan C. Irish, MD
11:10	**The Oropharynx**	Bert W. O'Malley, Jr., MD
11:25	**The Oropharynx**	Terry A. Day, MD
11:40	**The Thyroid**	Yoon Woo Koh, MD
11:55	**The Nasopharynx**	Raymond Tsang, MD

At the conclusion of this session, participants will be able to:

1. Understand the indications, contraindications, patient selection and short-term and long--term results of robotic surgery in: 1) the oropharynx 2) the thyroid and 3) the nasopharynx/skull base.

[SURG]

714 Proffered Papers: Outcomes/Quality of Life

Moderators: Gerry F. Funk, MD, Jan S. Lewin, PhD and Rodney J. Taylor, MD

11:00	**S361: Patient-Reported Pain and Dysphagia, Not Functional Assessment of Swallowing, Predicts Survival in Untreated Head and Neck Cancer Patients**; Miriam Lango, MD, Carolyn Fang, PhD, Sandy Schwartz, SLP, Barbara Ebersole, SLP, Tom Galloway, MD, Ranee Mehra, MD, Drew Ridge, MD PhD; Fox Chase Cancer Center
11:08	**S362: Gross Tumor Volume Presentation in Different Race/Ethnic Groups as Determinant of Treatment Outcome in Patients Treated with Definitive Radiotherapy for Head and Neck Cancer**; Muhammad M Qureshi, MBBS, Paul B Romesser, MD, Abdallah A Ajani, BMSc, Minh T Truong, MD; Boston Medical Center, Boston University School of Medicine
11:16	**S363: Mapping the University of Washington Quality of Life Questionnaire in Head and Neck Cancer on the EQ-5D**; Michael K Gupta, MD, FRCSC, Jen Hoogenes, MS, Lillian Doerwald-Munoz, MRTT, Ian Hodson, PhD, MRCP, FRCPC, Eleanor Pullenayegum, PhD; McMaster University, Hamilton, Ontario, Canada
11:24	Discussion

11:30 **S364: An Audit and Feedback System for Effective Quality Improvement in Head and Neck Surgery: Can We Become Better Surgeons?**; Carol M Lewis, MD, MPH, Dianna B Roberts, PhD, Olubumi Akiwumi, MS, Amy C Hessel, MD, Stephen Y Lai, MD, PhD, Michael E Kupferman, MD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

11:38 **S365: Clinical Performance of the MD Anderson Dysphagia Inventory (MDADI) in Head and Neck Cancer Patients by Site of Disease and Treatment Modality**; Jan S Lewin, PhD, Katherine A Hutcheson, PhD, Asher Lisec, BS, Martha A Portwood, MPH, Denise A Barringer, MS; The University of Texas MD Anderson Cancer Center

11:46 **S366: Post-Treatment Quality of Life in Patients with Human Papillomavirus Associated Squamous Cell Carcinoma of the Head and Neck**; Christine G Gourin, MD, MPH, Christina ST Wilhoit, CCRP, BA, Shaun A Nguyen, MD, MPH, Brian Lin, BS, Jared Intaphan, MD, Marion B Gillespie, MD; Medical University of South Carolina Department of Otolaryngology Head and Neck Surgery, Johns Hopkins Department of Otolaryngology Head and Neck Surgery

11:54 Discussion

12:00 **S367: The Impact of Medical Comorbidities on Quality Indicators for the Management of Head and Neck Cancer**; Brenda Ernst, MD, Mary T Busowski, MD, Carol M Lewis, MD, Randal S Weber, MD, Thomas D Shellenberger, MD; MD Anderson Cancer Center Orlando and The University of Texas MD Anderson Cancer Center

12:08 **S368: The TALC Study: A Model for Prospective, Multi-institutional Data Collection**; Bevan Yueh, MD, Patricia Fernandes, DDS, Jonas Johnson, MD; The TALC Investigators, University of Minnesota

12:16 **S369: Quality of Life of Oropharyngeal Cancer Patients With Respect to Treatment Strategy and P16-Positivity**; Martina A Broglie, MD, Alex Soltermann, MD, Sarah R Haile, PhD, Christof Roeoesli, MD, Gabriela Studer, MD, Gerhard K Huber, Stephan Schmid, MD, Sandro J Stoeckli, MD; Otorhinolaryngology, Head and Neck Surgery, St.Gallen, Clinical Pathology, Otorhinolaryngology, Head and Neck Surgery, Radiation Oncology, University Hospital Zurich

12:24 Discussion

716 Proffered Papers: Epigenetics

Moderators: Tony E. Godfrey, PhD, Patrick K. Ha, MD and Jeffrey S. Wolf, MD

11:00 **S370: Demethylating Drugs Have Antiproliferative and Analgesic Effects on Head and Neck Cancer**; Chi T Viet, DDS, PhD, Yi Ye, PhD, Brian L Schmidt, DDS MD, PhD; New York University

11:08 **S371: Multi-Center Validation of a Lymph Node Metastasis Gene-Expression Signature for Head and Neck Squamous Cell Carcinomas**; Frank Leusink, MD, DDS, Sander van Hooff, MSc, Paul Roepman, PhD, Ron Koole, MD, DDS, PhD, Michiel van den Brekel, MD, PhD, Ruud Brakenhoff, PhD, Robert Baatenburg de Jong, MD, PhD, Piet Slootweg, MD, DDS, PhD, Frank Holstege, PhD, Robert Takes, MD, PhD; UMCU, Utrecht, Agendia B.V., AVL-NKI, VUMC, Amsterdam, LUMC, Leiden, UMCG, Groningen, MUMC, Maastricht, Erasmus MC, Rotterdam, Radboud UMC, Nijmegen, The Netherlands

11:16 **S372: MicroRNA-34a Dysregulation Promotes Tumor Growth and Tumor Angiogenesis in Head and Neck Squamous Cell Carcinoma**; Bhavna Kumar, MS, Arti Yadav, MS, James Lang, PhD, Theodoros N Teknos, MD, Pawan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University, Columbus, OH

11:24 Discussion

11:30 **S373: Molecular Profiling of Anterior Tongue Cancer in Young/ Old Adults With/Without Habits: Can a Distinct Clinical Entity Be**

Defined?; Janki M Babu, MSc, Nebu A George, MS, MRCS, DNB, Ramkumar Hariharan, PhD, PG Balagopal, MS, MCh, Paul Sebastian, MS, MR Pillai, FRCPath, PhD; Regional Cancer Centre, Trivandrum, India; Rajiv Gandhi Centre for Biotechnology, Trivandrum India

11:38 **S374: Discovery of Novel Genetic Changes in Tongue Squamous Cell Carcinoma and Matched Potentially Malignant Lesions Using Nextgeneration Sequencing Technology**; Binay Panda, PhD, Swetansu Patnaik, PhD, Neerja Krishnan, PhD, Deepak SA, PhD, RP Choudhry, Amritha Suresh, PhD, Vikram Kekatpure, MS, Nirav Trivedi, MS, Wesley Hicks Jr, Vishal Gupta, Moni A Kuriakose, MD, FRCS; Ganit Labs, Electronic City Phase I, Bangalore 560100, India, Strand Life Sciences, Kirloskar Business Park, Bangalore 560024, India, Roswell Park Cancer Institute, NY, Mazumdar Shaw Cancer Centre, Narayana Hrudayalaya, Bangalore 560100, India

11:46 **S375: Alternative Splicing Patterns in Head and Neck Cancer**; Ryan Li, MD, Patrick Hennessey, MD, Michael Ochs, PhD, Wenyue Sun, PhD, Mariana Brait, PhD, Marietta Tan, MD, Ethan Soudry, MD, Yingying Wei, PhD, Elana Fertig, PhD, Joseph Califano, MD; Department of Otolaryngology-Head and Neck Surgery Johns Hopkins Medical Institutions Baltimore, Maryland, Johns Hopkins Head and Neck Surgery at GBMC, Milton J. Dance Head and Neck Center, Greater Baltimore Medical Center, Baltimore, Maryland

11:54 Discussion

12:00 **S376: HRAS Mutation is a Mechanism of Resistance to the Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor, Erlotinib**; J. Hun Hah, MD, Mei Zhao, MD, Curtis R Pickering, PhD, Mitchell J Frederick, PhD, William, Jr. N William, MD, Edward Kim, MD, David R Fooshee, BS, Zvonimir L Milas, MD, Chad Galer, MD, Genevieve A Andrews, MD, John Heymach, MD, PhD, Lauren A Byers, MD, Vali Papadimitrakopoulou, MD, Jeffrey N Myers, MD, PhD; The University of Texas M.D. Anderson Cancer Center, Houston, Texas, Seoul National University Hospital, Seoul, Korea

12:08 **S377: PRMT-5 Expression in Oropharynx Squamous Cell Carcinoma Patients May be Predictive of Overall Survival and Inversely Related** Michael J Cipolla, MD, Jessica Burgers, BS, Paul E Wakely Jr., MD, Nicole Arradaza, MS, Fengting Yan, MD, PhD, Theodoros N Teknos, MD, Robert A Baiocchi, MD, PhD; The Ohio State University Medical Center, Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, Columbus, OH

12:16 **S378: Downregulation of miR- 34a is an Independent Prognostic Marker in Sinonasal Squamous Cell Carcinoma Patients Undergoing Cis-Diamminedichloroplatinum Treatment**; Takenori Ogawa, MD, PhD, Yuriko Saiki, MD, PhD, Kiyoto Shiga, MD, PhD, Shinichi Fukushige, PhD, Sho Hashimoto, MD, PhD, Kazuto Matsuura, MD, PhD, Shigeru Saijo, MD, PhD, Toshimitsu Kobayashi, MD, PhD, Akira Horii, MD, PhD; Tohoku University Graduate School of Medicine

12:24 Discussion

717 Proffered Papers: Genomics II

Moderators: Antti A. Mäkitie MD, PhD, Kepal N. Patel, MD and Xin Zhang, MD, PhD

11:00 **S379: MicroRNA-9 Regulates Tumor Cell Migration and Invasion and is a Marker of Lymph Node Metastasis in Squamous Cell Carcinoma**; Ruth White, PhD, Anand Reddi, BS, Gangwen Han, MD, Antonio Jimeno, MD, PhD, Xiao-Jing Wang, MD, PhD; Oregon Health and Science University, Portland OR, University of Colorado Anschutz Medical Campus, Aurora CO

11:08 **S380: Tetraspanins CD9 /CD151, Epidermal Growth Factor Receptor and COX-2 Expression Predict Malignant Progression in Oral**

Epithelial Dysplasia; Paul Nankivell, BA, BMBCh, MRCS, Hazel Williams, BDS, FDS, MRCPath, MSc, PhD, Keith Webster, MBBS, BDS, MMedSci, FDS, FRCS, FRCSOMFS, Alec High, BDS, FRCPath, FDS, PhD, Kenneth MacLennan, MBBS, FRCPath, Burcu Senguven, DDS, PhD, Christopher McConkey, MSc, Pamela Rabbitts, PhD, Hisham Mehanna, PhD, BMedSc, MBChB, FRCS; Institute of Head and Neck Studies and Education (InHANSE), University Hospital Coventry and Warwick, University Hospital Birmingham, Birmingham Dental Hospital, Leeds Institute of Molecular Medicine University of Leeds, Warwick Medical School

11:16 **S381: Primary Human Tumor Derived Integrative Preclinical Platform Technology Predicts Molecular Mechanism of Sensitivity and Resistance to Anti-EGFRs in Head and Neck Cancer: A Step Towards Personalized Cancer Medicine**; Ashok Shenoy, Professor, Pradeep Mazumdar, Dr, PhD, Mallick sundaram, Dr, PhD, Muthu Dandapani, PhD, Misti Jain, PhD, Purushottam Chavan, Asst Prof, Akshay Shivappa, Fellow; Divisions of Cancer Biology1, Molecular Profiling2, Molecular Pathology3, Mitra Biotech and Department of Head & Neck Surgery4, Kidwai Memorial Institute of Oncology, Bangalore, India

11:24 Discussion

11:30 **S382: Exploring the Association Between Immune-Related Genetic Variations and Susceptibility to Oropharyngeal Cancer**; Chaya Levovitz, Paolo Boffetta, MD, MPH, Andrew Sikora, MD, PhD; Mount Sinai School of Medicine

11:38 **S383: Tumor Evolution and Mutation Spectrum of an Oropharyngeal Squamous Cell Carcinoma Revealed by Whole Genome Sequencing**; Chang Xu, PhD, Cindy Zhang, PhD, Bo Zhang, MS, Derek Zhao, Yao Li, PhD, Xin Huang, PhD, Wenhong Fan, PhD, Hongwei Wang, MS, Luisa A Lerma, MD, Melissa P Upton, MD, Ashley Hay, BS, Lue P Zhao, PhD, Eduardo Mendez, MD; Fred Hutchinson Cancer Research Center and University of Washington

11:46 **S384: Identification of HPV/p16 Associated Micro-RNAs in Primary Oropharyngeal Carcinoma**; Angela Hui, PhD, Alice Lin, Bsc, Wei Xu, PhD, Levi Waldron, PhD, Bayardo Perez-Ordonez, MD, Willa Shi, MSc, Sophie Huang, MSc, MD, Brian O'Sullivan, MB, FRCPC, John Waldron, MSc, MD, FRCPC, Patrick Gullane, FRCSC, FACS, MB, Lillian Siu, MD, FRCPC, Fei Fei Liu, MD, FRCPC; Ontario Cancer Institute, University Health Network, Toronto, Ontario, Canada

11:54 Discussion

12:00 **S385: Genome-Wide Copy Number Alterations Revealed Putative Prognostic Markers in Laryngeal Carcinomas**; Silvia R Rogatto, PhD, Fernanda B Bertonha, MSc, Ariane F Busso, MSc, Eliane P Ambrosio, PhD, Fabiola E Rosa, PhD, Maria A Domingues, MD, PhD, Fabio Marchi, MSc, Sandra A Drigo, PhD, Luiz P Kowalski, MD, PhD; AC Camargo Treatment and Research Center, São Paulo, SP and Department of Urology, Faculty of Medicine, UNESP, Botucatu, SP, Brazil

12:08 **S386: New Interacting Partners of PBF Reveal a Diversity of Roles in Thyroid Cancer**; Neil Sharma, MBChB, MRCS, Vicki Smith, PhD, Robert Seed, MSc, Martin Read, PhD, Kristien Boelaert, MD, PhD, Gavin Ryan, BSc, John C Watkinson, FRCS, MS, Ashley Martin, PhD, Jayne Franklyn, FRCP, PhD, Chris McCabe, PhD; University of Birmingham

12:16 **S387: Integrated Proteomic and Transcriptomic Profiling of Head & Neck Cancer Cell Lines**; Lusia Sepiashvili, Angela Hui, Vladimir Ignatchenko, Fei-Fei Liu, Thomas Kislinger; Department of Medical Biophysics, University of Toronto; Department of Radiation Oncology, University of Toronto, Ontario Cancer Institute, University Health Network

12:24 Discussion

701B Proffered Papers: Oral Cavity III

Moderators: David M. Cognetti, MD, Peter Conboy, MD and Anil K. D'Cruz, MD

11:00 **S388: Clinical Determinants of Malignant Transformation in Oral Epithelial Dysplasia**; Michael W Ho, MRCS, MFDS, DOHNS, Janet Risk, PhD, Lakis Liloglou, PhD, EA Field, Professor, BP Rajalwat, FDSRCS, Simon N Rogers, MD, FRCS, FDSRCS, Derek Lowe, Richard J Shaw, MD, FRCS, FDSRCPS; Aintree University Hospital, Edge Hill University, Liverpool Dental Hospital, University of Liverpool

11:08 **S389: Is Adjuvant Radiotherapy Beneficial to Early Stage Oral Squamous Cell Carcinoma Patients with Minor Risk Factors?**; Pei-Jen Lou, MD, PhD, Tseng-Cheng Chen, MD, Cheng-Ping Wang, MD, Tsung-Lin Yang, MD, PhD, Yih-Leong Chang, MD, Jenq-Yuh Ko, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine

11:16 **S390: De-Escalation of Surgery for Early Oral Cancer: Is It Oncologically Safe?**; Conor P Barry, MRCS, MFDRCSI, James S Brown, MD, FRCS, Richard J Shaw, MD, FRCS, Fazilet Bekiroglu, FRCS, Derek Lowe, Cstat, Simon N Rogers, MD, FRCS; Regional Maxillofacial Unit, Liverpool, UK

11:24 Discussion

11:30 **S391: Use of a Novel "Virtual-Array" Technique to Validate the Use of Tissue Micro-Arrays in Oral Epithelial Dysplasia**; Paul Nankivell, BA, BMBCh, MRCS, Hazel Williams, BDS, FDS, MRCPath, MSc, PhD, Hisham Mehanna, PhD, BMedSc, MBChB, FRCS; Institute of Head and Neck Studies and Education (InHANSE)

11:38 **S392: Results: of Management of the Clinically Negative Neck in Squamous Cell Carcinoma of Buccal Mucosa**; Purvi D Patel, MD, Pablo H Montero, MD, Frank L Palmer, BA, Ian Ganly, MD, PhD, Jatin P Shah, MD, Snehal G Patel; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center

11:46 **S393: Non-Invasive Identification of Oral Dysplasia with Multi-Modal Optical Imaging**; Richard Schwarz, PhD, Mark Pierce, PhD, Vijayashree Bhattar, BS, Sharon Mondrick, BS, Michelle Williams, MD, Rebecca Richards-Kortum, PhD, Ann Gillenwater, MD; University of Texas M.D. Anderson Cancer Center, Houston, TX, Rice University, Dept. of Bioengineering, Houston, TX, Rutgers University, Dept. of Biomedical Engineering, Piscataway, NJ

11:54 Discussion

12:00 **S394: Induction Chemotherapy for Organ Preservation versus Surgery for Advanced Oral Cavity Squamous Cell Carcinoma**; Steven B Chinn, MD, MPH, Matthew E Spector, MD, Emily Light, MS, Tasha Lin, BS, Theodoros N Teknos, MD, Mark E Prince, MD, Carol R Bradford, MD, Susan G Urba, MD, Thomas E Carey, PhD, Avraham Eisbruch, MD, Gregory T Wolf, MD, Francis P Worden, MD, Douglas B Chepeha, MD, MSPH; University of Michigan Department of Otolaryngology - Head and Neck Surgery

12:08 **S395: Carcinoma Tongue: A Retrospective Review of Treatment Outcome and Predictors of Recurrence in 899 Patients**; Nebu A George, MS, MRCS, DNB, Divya Raj, BDS, Richard Muwonge, MD, PG Balagopal, MS, MCh, Elizabeth M Iype, DNB, DLO, Bipin T Verghese, MS, MCh, Shaji Thomas, MS, MCh, Thara Somnathan, MD, Paul Sebastian, MS; Regional Cancer Centre, Trivandrum, India; International Agency for Research on Cancer (IARC), Lyon, France

12:16 **S396: Level IIb Involvement In Tongue Cancer: A Prospective Study**; Balagopal Prabhakar Gouri, MSMch, George Nebu Abraham, MSMRCSDip NB, Thara Somanathan, MD, Renu Sukumaran, MD, Paul Sebastian, MS; Regional Cancer Centre, Trivandrum, Kerala, India

12:24 Discussion

Faculty Listing

AUSTRALIA

Tim Baker, MD - Ear Nose & Throat Victoria, Box Hill, Victoria

June Corry, MD - Peter MacCallum Cancer Centre, Melbourne, Victoria

Bernard Lyons, MD - Ear Nose & Throat Victoria, Box Hill, Victoria

Carsten Palme, MBBS, FRACS – Westmead Hospital, Westmead, New South Wales

Benedict Panizza, MD - Neurosensory Unit, Spring Hill, Queensland

Sandro Porceddu, MD - Princess Alexandria Hospital, Woolloongabba, Queensland

John F. Thompson, MBBS, BSc (Med), MD, FRACS, FACS - The University of Sydney, Sydney

BELGIUM

Pierre R. Delaere, MD - University Hospitals Leuven, Leuven

Vincent Gregoire, MD, PhD - UCL St-Luc University Hospital, Brussels

Vincent Vander Poorten, MD - University Hospital Leuven, Leuven

BRAZIL

Andre Lopes Carvalho, MD, PhD – Barretos Cancer Hospital, Barretos, São Paulo

Claudio R. Cernea, MD - University of São Paulo Medical School, São Paulo

Fernando L. Dias, MD, PhD - Brazilian National Cancer Institute, Rio de Janeiro

Emmanuel Dias-Neto, MD - University of São Paulo, São Paulo

Jacob Kligerman, MD - Brazilian National Cancer Institute, Rio de Janeiro

Luiz P. Kowalski, MD, PhD - Hospital A.C. Camargo, São Paulo

Roberto Lima, MD - Brazilian National Cancer Institute, Rio de Janeiro

Pedro Michaluart, MD - University of São Paulo Medical School, São Paulo

CANADA

Gideon Bachar, MD - Princess Margaret Hospital, Toronto, Ontario

Eric S. Bartlett, MD, MPH - Princess Margaret Hospital/ University of Toronto, Toronto, Ontario

James Brierley, MS, MB, FRCR, FRCPC - Princess Margaret Hospital, Toronto, Ontario

Dale H. Brown, MD - Princess Margaret Hospital, Toronto, Ontario

Eric Chen, MD - Princess Margaret Hospital, Toronto, Ontario

Apostolos Christopoulos, MD, MSc - CHUM - Notre Dame, Montreal, Province of Quebec

Martin Cortsen, MD, FRCSC - The Ottawa General Hospital, Ottawa, Ontario

Danny Enepekides, MD, FRCS - Sunnybrook Hospital, Toronto, Ontario

Shereen Ezzat, MD - Princess Margaret Hospital, Toronto, Ontario

Jeremy L. Freeman, MD - Mt Sinai Hospital, Toronto, Ontario

Ralph W. Gilbert, MD - Princess Margaret Hospital, Toronto, Ontario

David Paul Goldstein, MD, FRCSC - Princess Margaret Hospital, Toronto, Ontario

Mary Gospodarowicz, MD - Prince Margaret Hospital, Toronto, Ontario

Patrick J. Gullane, MD - Toronto General Hospital, Toronto, Ontario

Stephen F. Hall, MD - School of Medicine at Queen's University, Kingston, Ontario

Jeffrey R. Harris, MD - University of Alberta, Edmonton, Alberta

Kevin McLoughlin Patrick Higgins, MD, FRCSC - Sunnybrook Hospital, Toronto, Ontario

Andrew Hope, MD - Princess Margaret Hospital, Toronto, Ontario

Jonathan Irish, MD, FACS - University Health Network & Mt Sinai Hospital, Toronto, Ontario

Anthony M. Joshua, MBBS - Princess Margaret Hospital, Toronto, Ontario

John Y. Kim, MD - Princess Margaret Hospital, Toronto, Ontario

Monika Krzyzanowska, MD, MPH - Princess Margaret Hospital, Toronto, Ontario

Fei-Fei Liu, FRCPC, MD - Princess Margaret Hospital, Toronto, Ontario

Rosemary Martino, MSc, PhD - University of Toronto, Toronto, Ontario

Maurene McQuestion, RN, BScN, MSc, CON© - Princess Margaret Hospital, Toronto, Ontario

Anthony Nichols, MD, BSc, FACS - Victoria Hospital, London, Ontario

Brian O' Sullivan, MD - Princess Margaret Hospital, Toronto, Ontario

Bayardo Ordonez-Perez, MD - Toronto General Hospital, Toronto, ON, Canada

G. Jolie Ringash, MD - Princess Margaret Hospital, Toronto, Ontario

Faculty Listing

Gary M. Rodin, MD - Princess Margaret Hospital, Toronto, Ontario

Lorne E. Rotstein, MD, FRCSC, FACS - Toronto General Hospital, Toronto, Ontario

Anna Sawka, MD - Toronto General Hospital, Toronto, Ontario

Hadi Seikaly, MD, FRCSC - University of Alberta, Edmonton, AB

Lillian L. Siu, MD - Princess Margaret Hospital, Toronto, Ontario

Allan Vescan, MD - Mount Sinai Hospital, Toronto, Ontario

Tak Wah Mak, PhD - Princess Margaret Hospital, Toronto, Ontario

John Waldron, MD - Princess Margaret Hospital, Toronto/Ontario,

Ian James Witterick, MD, FRCSC - Mt Sinai Hospital, Toronto, Ontario

John Yoo, MD, FACS - Victoria HospitalLondonHealth Sciences Center, London, Ontario

Eugene Yu, MD - Princess Margaret Hospital, Toronto, Ontario

CHILE

Luis E. Cabezas, MD - Lo Fontecilla, Santiago

CHINA

Anthony T.C. Chan, MD - The Chinese University of Hong Kong, Shatin, New Territories Hong Kong

Jimmy Yu Wai Chan, MD, MS, MRCS (Ed), FCSHK, FHKAM - Queen Mary Hospital, Hong Kong

Anne W.M. Lee, MD - Pamela Youde Nethersole Eastern Hospital, Chai Wan, Hong Kong

Raymond Tsang, MD - University of Hong Kong/Queen Mary Hospital, Hong Kong

CROATIA

Miljenko Bura, MD, PhD - KBC Zagreb, Zagreb

Drago Prgomet, MD - University Hospital Centre Zagreb, Croatia, Zagreb

EGYPT

Ayman Abdel-Wahab Amin, MD - National Cancer Institute/Cairo University, Cairo

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Reidar Grenman, MD - University of Turku, Turku

Antti Makitie, MD, PhD - Helsinki University Central Hospital, Helsinki

FRANCE

Stephane Temam, MD, PhD - Institut Gustave Roussy, Villejuif

GERMANY

Petra Ambrosch, MD, PhD - Christian-Albrechts-University of Kiel, Kiel

Andreas Dietz, MD - University of Heidelberg, Heidelberg

Hiltrud K. Glanz, MD - University ENT - Clinic, Giessen

Thomas K Hoffmann, MD - University of Duisburg-Essen, Essen

Jens Peter Klussmann, MD - University of Giessen, Giessen

Stephan Lang, MD - Universitätsklinikum Essen, Essen

Christian Simon, MD, PhD - University of Heidelberg, Heidelberg

Harald zur Hausen, MD, DSc - German Cancer Research Center, Heidelberg

GREECE

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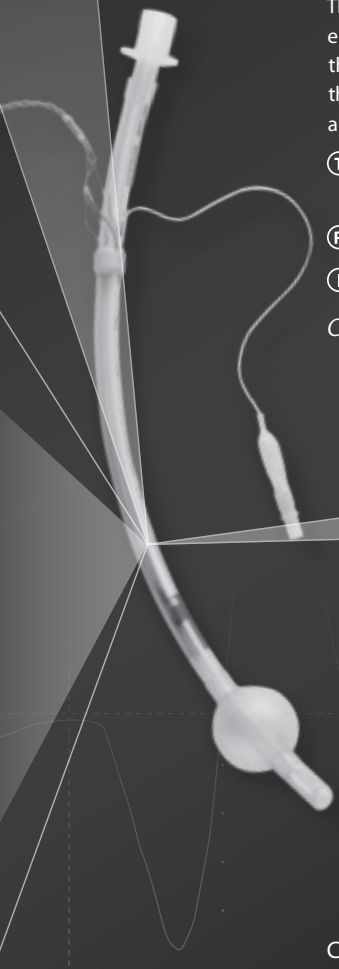

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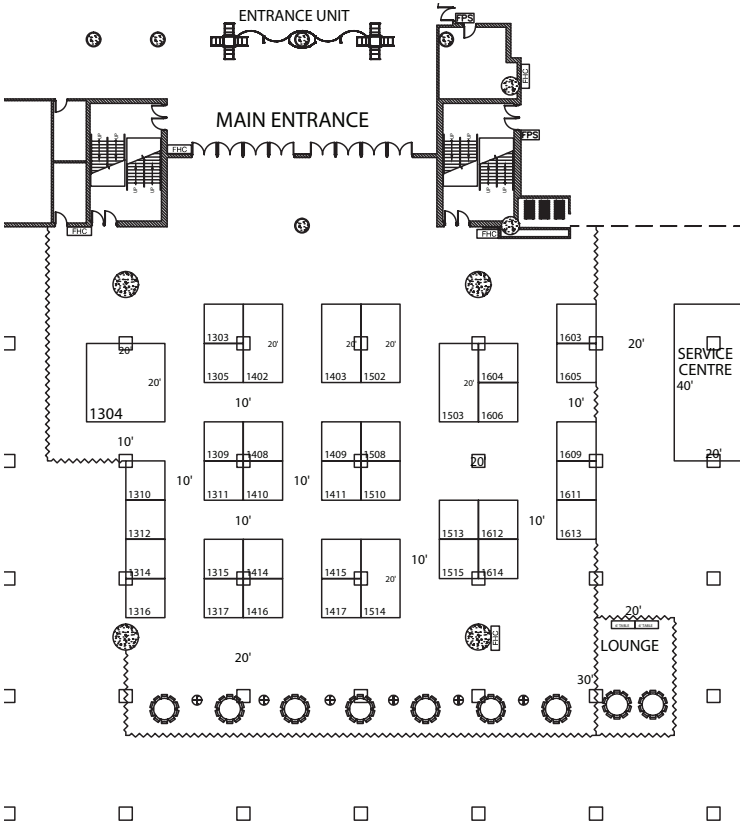

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The Head and Neck Cancer Alliance is a non-profit organization dedicated to education, prevention and early detection of oral, head and neck cancers. Under the direction of Dr. Terry Day, each year our organization provides free oral cancer screenings worldwide during the national Oral, Head and Neck Cancer Awareness Week. We wish to bring attention to our organization's efforts and get more members of the AHNS involved.

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Tel: 212-639-6857
Fax: 212-717-3302
Web: www.ifhnos.org

IFHNOS is a global organization of national and regional Societies and Organizations in the Specialty of Head and Neck Surgery and Oncology. The Federation conducts quadrennial global Congresses and Global continuing Medical Education, through its World Tour programs.

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P001: The Predictive Factors for Subsequent Distant Metastasis in Patients with Locoregionally Advanced Oral Squamous Cell Carcinoma; Cheng-Ping Wang, MD, Tseng-Cheng Chen, MD, Tsung-Lin Yang, MD, PhD, Chun-Nan Chen, MD, Pei-Jen Lou, MD, PhD, Jeng-Yuh Ko, MD, PhD; 1Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan, 2Department of Otolaryngology, National Taiwan University Hospital Yun-Lin Branch, Yun-Lin, Taiwan

P002: Neck Dissection without Postoperative Radiotherapy in Select Patients with Oral Cavity Carcinoma and pN1 Neck; Pablo H Montero, MD, Purvi D Patel, MD, Andrew G Shuman, MD, Frank L Palmer, BA, Snehal G Patel, MD, Nancy Y Lee, MD, Jatin P Shah, MD, Ian Ganly, MD, PhD; Head and Neck Service, Department of Surgery; Department of Radiation Oncology, Memorial Sloan-Kettering Cancer Center

P003: A Population Based Perspective on Treatment and Outcome of Advanced Laryngeal Carcinoma; Johan Wennerberg, MD, PhD, Johan Reizenstein, MD, Erik Holmberg, PhD, Martin Beran, MD, PhD, Gunnar Adell, MD, PhD, Eva Brun, MD, PhD, Lena Cederblad, MD, Lena Damber, PhD, Mats Engström, MD, PhD, Lovisa Farnebo, MD, PhD, Eva Hammerlid, MD, PhD, Anders Högmo, MD, PhD, Göran Laurell, MD, PhD, Freddie Lewin, MD, PhD, Magnus Niklasson, MD, PhD, Jan Nyman, MD, PhD, Anders Westerborn, MD, Björn Zackrisson, MD, PhD; Depts. of ORL/H&N Surgery, Oncology and Oncologic Centers at the University Hospitals in Lund, Gothenburg, Örebro, Stockholm, Uppsala, Umeå, and Linköping, Sweden

P004: Apoptosis Inhibitor Showed a Significant Prognostic Marker of Relapsed Oral Cavity Cancer after the Curative Resection Surgery; Somjin Chindavijak, MD, Ekapob Sangariyavanich, MD, Anantnuch Sakapiboonnan, MD, Wirote Lausoontornsiri, MD; National Cancer Institute Thailand

P005: Transoral Videolaryngoscopic Surgery (TOVS) for Supraglottic, Oropharyngeal and Hypopharyngeal Malignancies; Masayuki Tomifuji, MD, Koji Araki, MD, Taku Yamashita, MD, Akihiro Shiotani, MD; National Defense Medical College

P006: Does Type of Tobacco Use Affect Recurrence and Second Primary Rate in Oral Cancers; Nootan K Shukla, MBBS, MS, Suryanarayana S Deo, MBBS, MS, Deepak Jha, MBBS, MS, Ramanathan Palaniappan, MBBS, MS; Dept of Surgical Oncology, Dr BRA-IRCH, AIIMS, Delhi, India

P007: Management of the N0 Neck in Recurrent Laryngeal Squamous Cell Carcinoma: Time to Recurrence and Occult Nodal Metastasis; Marika D Russell, MD, Eric J Kezirian, MD, MPH, Shira Koss, Richard V Smith, MD, Ted H Leem, MD; University of California, San Francisco; Montefiore Medical Center, Albert Einstein College of Medicine

P008: Novel Method for Testing Water Exchange Performance of a Heat and Moisture Exchanger for Pulmonary Rehabilitation after Total Laryngectomy; C. van den Boer, MD, S.H. Muller, PhD, A.D. Vincent, PhD, M.W.M. van den Brekel, MD, PhD, F.J.M. Hilgers, MD, PhD; NKI-AVL

P009: Salvage Subtotal Laryngectomy for Laryngeal and Pyriform Tumours: Oncologic and Functional Outcomes; Maíra B Botelho, MD, Fernando L Dias, PhD, MD, Roberto a Lima, PhD, MD, Mauro M Barbosa, PhD, MD, José Roberto N Soares, MD, Emilson Q Freitas, MD, Izabella C Santos, PhD, MD, Ullyanov B Toscano, MD, Luciana C Arcoverde, Jacob Kligerman; National Cancer Institute (INCA/MS/RJ)

P010: Determining the Optimal Type of Neck Dissection in Hypopharyngeal Squamous Cell Carcinoma (SCC) According to the Subsites; Il-Seok Park, MD, PhD, Eun-Jae Chung, MD, PhD, Dong-Jin Lee, MD, PhD, Jin-Hwan Kim, MD, PhD, Hwoe Young Ahn, MD, PhD, Young Soo Rho, MD, PhD; Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial Institute of Head and Neck Cancer, Hallym University Medical Center, Seoul, Korea

P011: Thyroid Gland Involvement in Carcinoma Larynx and Hypopharynx- Predictive Factors and Prognostic Significance; Elizabeth M Iype, MBBS, DLO, DNB, MNAMS, Bipin T Varghese, MBBS, MS, MCH, DNB, Paul Sebastian, MBBS, MS; Regional Cancer Centre, Trivandrum, Kerala, India

P012: Is Direct Laryngoscopy and Biopsy Enough? The Necessity of a Mucosal Cordectomy for the Proper Diagnosis of Laryngeal Cancer; Charles S Coffey, MD, Randal S Weber, MD, Adel El-Naggar, MD, Jan S Lewin, PhD, F Christopher Holsinger, MD; University of California San Diego; University of Texas MD Anderson Cancer Center

P013: Endoscopic Laryngo-Pharyngeal Surgery (ELPS) for the Early Pharyngeal Cancer; Kazuto Matsuura, MD, PhD, Tetsuya Noguchi, MD, PhD, Yukinori Asada, MD, PhD, Shun Sagai, MD, Takayuki Imai, MD, Daisuke Saito, MD, Shigeru Saijo, MD, PhD; Miyagi Cancer Center

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P014: Transoral Partial Hypopharyngectomy Using a Curved Distending Laryngoscope for Early Stage Hypopharyngeal Cancer; Taro Sugimoto, MD, Seiji Kishimoto, MD, Yosuke Ariizumi, MD, Takao Tokumaru, MD, Yusuke Kiyokawa, MD, Fuminori Nomura, MD; Tokyo Medical and Dental University, Department of Otolaryngology, Head and Neck Surgery

P015: Radical (Compartment) Resection for Advanced Buccal Cancer Involving Infratemporal Fossa (T4B); Nirav P Trivedi, MS MCH, Vikram Kekatpure, Moni Kuriakose; Mazumdar-Shaw Cancer Center & Narayana Hrudayalaya, Bangalore, India

P016: Dynamic Contrast Enhanced MRI as a Predictor of Contralateral Cervical Metastasis in Early Oral Cancer; Wei-Che Lin, MD, Shau-Hsuan Li, MD, Chih-Yen Chien, MD, Fu-Min Fang, MD; Kaohsiung Chang Gung Memorial Hospital, Chang Gung University College of Medicine

P017: Validation and Improvement of the Binary Oral Dysplasia Grading System; Paul Nankivell, BA, BMBCh, MRCS, Hazel Williams, BDS, FDS, MRCPath, MSc, PhD, Paul Matthews, MBBS, MRCPath, Sari Suortamo, MD, MRCPath, David Snead, MBBS, FRCPath, Christopher McConkey, MSc, Hisham Mehanna, PhD, BMedSc, MBChB, FRCS; Institute of Head and Neck Studies and Education (InHANSE)

P018: "Optical Biopsy" by Narrow Band Imaging and Autofluorescence of Oral and Oropharyngeal Erythro-Leukoplakias; Cesare Piazza, MD, Francesca Del Bon, MD, Giorgio Peretti, MD, Stefano Mangili, MD, Andrea Bizzoni, MD, Piero Nicolai, MD; Department of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Italy

P019: Patterns of Failure and Survival in Patients with Oral Squamous Carcinoma Treated with a Multidisciplinary Approach Including Total or Subtotal Glossectomy; Thomas J Ow, MD, MS, Hong Ju Park, MS, PhD, Curtis R Pickering, PhD, Frederick Mitchell, PhD, Dianna B Roberts, PhD, Beth M Beadle, MD, PhD, Willam N William, MD, Mark S Chambers, DMD, MS, Jeffrey N Myers, MD, PhD; University of Texas MD Anderson Cancer Center

P020: Oral Mucositis in Head and Neck Cancer Patients Undergoing Radiotherapy Recorded by the Use of a Patient Reported Oral Mucositis Scale (PROMS) Questionnaire; Anne M Gussgard, DDS, Robert Wood, DDS, PhD, Michael Glogauer, DDS, PhD, Andrew Hope, MD, Asbjorn Jokstad, DDS, PhD, Howard Tenenbaum, DDS, PhD; University of Toronto Faculty of Dentistry & Princess Margaret Hospital, Toronto, Canada

P021: The Accuracy of Pre-Salvage Laryngectomy Radiological Staging; Thomas F Pezier, MA, MSc, MRCS, DOHNS, Iain J Nixon, FRCS, ORLHNS, Anil Joshi, MRCS, Teresa Guerrero-Urbano, FRCP, FRCR, PhD, Richard Oakley, FRCS, ORLHNS, Jean-Pierre Jeannon, FRCS, ORLHNS, Ricard Simo, FRCS, ORLHNS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

P022: Partial Laryngectomy and Chemoradiotherapy: Different Options for Function Preservation; Alvaro de Arriba, MD, Alejandro Castro, MD, Isabel Sanchez-Cuadrado, MD, Antonio del Palacio, MD, Ricardo Bernaldez, MD, Javier Gavilan, MD; La Paz University Hospital, Madrid

P023: Relationship Between Preepiglottic Space Invasion and Lymphatic Metastasis in Supracricoid Partial Laryngectomy with Cricohyoidopexy; Jung-Hae Cho, Young-Hoon Joo, Jun-Ook Park, Byung-Joon Chun, Kwang-Jae Cho, Min-Sik Kim; The Catholic University of Korea

P024: Total Laryngectomy for Squamous Cell Carcinoma: Peristomal Recurrence Analysis; Fernando D Leonhardt, MD, MSc, PhD, Giuliano Bongiovanni, MD, Raquel G Stamm, MD, Rodrigo P Tangerina, MD, MSc, Onivaldo Cervantes, MD, MSc PhD, Márcio Abrahão, MD, MSc, PhD; Federal University of São Paulo

P025: Treatment Performed and Laryngeal Preservation in Early Tumors; Genival B Carvalho, MD, Joao G Filho, PhD, Luiz P Kowalski, PhD; Hospital A C Camargo, São Paulo, Brazil

P026: Utility of Microlux/DI for Identifying Premalignant Lesions of the Oral Cavity That Are Not Readily Identifiable by Conventional Examination; Cheryl C Nocon, MD, Mark Lingen, DDS, PhD, Kerstin Stenson, MD, Elizabeth Blair, MD; University of Chicago Medical Center

P027: Salivary Rinses Collected with and Without an Exfoliating Brush from Patients with Head and Neck Cancer Share Similar Promoter Hypermethylation Pattern; Wenyue Sun, David Zaboli, Yan Liu, Demetri Arnaoutakis, Tanbir Khan, Hao Wang, Wayne Koch, Zubair Khan, Joseph A Califano; Johns Hopkins Medical Institutions

P028: Prevalence of Keratocystic Odontogenic Tumor in the Maxilla and Mandible and Its Treatment; Laurindo M Sassi, DDS PhD, José L Dissenha, DDS, Maria I Guebur, DDS, PhD, Regiane B Bixofis, DDS, Cleverson Patussi, DDS, Fernando Zanferrari, DDS, PhD, Roberta T Stramandinolli, DDS PhD, Juliana L Schussel, DDS, PhD; Erasto Gaertner Hospital Curitiba - Paraná - Brazil

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P029: LIHNCS Trial; Lugol'S Iodine in Head and Neck Cancer Surgery; A Multicentre Head and Neck Surgery RCT; James A McCaul, Dr, Raghav Kulkarni, Mr, Khalid Abdel-Galil, MR, Theo Boye, Mr, David Gouldesbrough, David N Sutton, Mr, Chris McKonkey, Mr, Stuart Hislop, Mr, Jeremy McMahon, Mr, Janet Dunn, Professor; Bradford Teaching Hospitals, Aintree University Hospital, Crosshouse Hospital, Southern General Hospital

P030: Organ Preservation Chemoradiotherapy of Advanced Laryngeal Cancer Based on the Pathologic Evidence; Tadashi Nakashima, MD, Shun-ichi Chitose, MD, Akiteru Maeda, MD, Hirohito Umeno, MD, Norimitsu Tanaka, MD; Depart of Otolaryngol-Head and Neck Surg and Radiology, Kurume University School of Medicine, Japan

P031: Evaluation of Pathological Invasion of Submandibular Salivary Gland in Oral Cavity Cancers: Feasibility of Submandibular Gland Transfer to Prevent Radiation-Induced Xerostomia; E M Okoturo, BDS, FWACS, N Trivedi, MS, MCh, V Kekatpure, MS, MCh, A Gangoli, MD, G Shetkar, MDS, M A Mohan, MDS, B V Manjula, DLO, DNB, M A Kuriakose, FDSRCS, FFDRCS, FRCS, Ed, FRCS; Head and Neck Surgical Oncology, Mazumdar Shaw Cancer Center, Narayana Hrudayalaya Hospital, Bangalore, India

P032: Results of the Treatment of 14 Patients with Odontogenic Myxoma; Ana Lucia F Noronha, Thiago C Chulam, MD, João Gonçalves Filho, PhD, Luiz P Kowalski, PhD; AC Camargo Hospital

P033: Pattern of Cervical Lymph Node Metastasis in Pyriform Sinus Medial Wall Cancer; Eun-Jae Chung, Il-Seok Park, Jin-Hwan Kim, Moon-Il Park, Young-Soo Rho; Department of Otorhinolaryngology-Head and Neck Surgery, Ilsong Memorial Head and Neck Cancer Center, Hallym University Medical Center

P034: Clinical Outcomes of Hypopharyngeal Cancer after Conservative Laryngeal Surgery; Eun-Jae Chung, Dong-Jin Lee, Jin-Hwan Kim, Sun-Min Park, Yong-Joon Jang, Chul-Hoon Chung, Young-Soo Rho; Department of Otorhinolaryngology-Head and Neck Surgery, Department of Plastic and Reconstructive Surgery, Ilsong Memorial Head and Neck Cancer Center, Hallym University Medical Center

P035: The Efficacy of 18F-Fdg PET/CT Imaging for the Preoperative Evaluation of the Patients Undergoing Supracricoid Partial Laryngectomy; Byung-Joon Chun, MD, Inn-Chul Nam, MD, Jung-Hae Cho, MD, Chung-Su Kim, MD, Young-Hoon Joo, MD, Kwang-Jae Cho, MD, Min-Sik Kim, MD; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, The Catholic University of Korea, Seoul, Korea

P036: Transoral Laser Surgery Versus Radiotherapy: Systematic Review and Meta-Analysis for Treatment Options of T1A Glottic Cancer; Yasin Abdurehim; First Teaching Hospital of Xinjiang Medical University,China/ Mount Sinai Hospital, Toronto, canada

P037: The Possible Role of HPV Infection in the Etiology of Laryngeal Neuroendocrine Carcinoma; Tom P van der Laan, BSc, Bernard FAM van der Laan, MD, PhD, Frederik G Dikkers, MD, PhD, Ed Schuuring, PhD, Gyuri B Halmos, MD, PhD; Departments of Otorhinolaryngology/ Head&Neck Surgery and Pathology, University Medical Center Groningen and University of Groningen, Hanzeplein 1, 9700 RB Groningen, The Netherlands

P038: New Method of Digital Chromoscopy in Larynx; Marco Kulcsar, PhD, MD, Fabio Hondo, MD, Sergio Gonçalves, MD, Lenine Brandão, FACS, PhD, MD, Claudio Cernea, MD, PhD; ICESP/ Brazil

P039: Incidence of Occult Metastasis in Clinically N0 Oral Squamous Cell Carcinoma Undergoing Selective Neck Dissection; Raza Hussain, FDSRCS, Hassan Iqbal, BDS, Arif Jamshed, FRCR, Kamran Saeed, MBBS, Tabinda Sadaf, MRCP, Tahir Mehmood, MBBS, Khalid Waliullah, MBBS; Shaukat Khanum Memorial Cancer Hospital and Research Centre

P040: Cervical Metastasis in Squamous Cell Carcinoma of the Hard Palate and Maxillary Alveolus; Yekaterina A Koshkareva, MD, Jeffrey C Liu, MD, Miriam Lango, MD, Thomas Galloway, MD, John a Ridge, MD, PhD; Temple University Hospital, Fox Chase Cancer Center

P041: The Effect of Oral Cavity Subsite on Short-Term Outcomes in Oral Cancer Surgery; Ryan Li, MD, Carole Fakhry, MD, MPH, Wayne M Koch, MD, Christine G Gourin, MD, MPH; Department of Otolaryngology-Head and Neck Surgery, The Johns Hopkins Medical Institutions, Baltimore, Maryland

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P042: Never-Smokers vs. Ever-Smokers with Oral Tongue Squamous Cell Carcinoma: Analysis of Clinicopathologic Characteristics and Survival; Megan L Durr, MD, Annemieke VanZante, MD, PhD, David Li, BS, Eric J Kezirian, MD, MPH, Steven J Wang, MD; University of California, San Francisco

P043: Retrospective Analysis of Unusual Malignant Tumors of the Larynx: A Review of 10-Year Experience; Emilson Q Freitas, MD, Fernando L Dias, PhD, MD, Izabella C Santos, PhD, MD, Terence P Farias, MD, Ullyanov B Toscano, MD, Andre C Costa, MD, Marina a Quintanilha, MD, Luciana C Arcoverde, MD, Ana P Pontes, MD, Roberto a Lima, PhD, MD; National Cancer Institute (INCA/MS/RJ)

P044: Results of Treatment of T4A Squamous Cell Carcinoma of the Larynx; Genival B Carvalho, MD, João G Filho, PhD, Samuel P Lima, MD, Andre L Carvalho, PhD, Ansarin Mohssen, PhD, Fausto Chiesa, PhD, Snehal G Patel, PhD, Pablo H Montero, MD, Andrew G Shuman, MD, Jatin P Shah, PhD, Luiz P Kowalski; Hospital A.C. Camargo, São Paulo, Brazil, Hospital de Câncer de Barretos, Barretos, Brazil. Memorial Sloan-Kettering Cancer Center, New York, USA. Istituto Europeo di Oncologia, Milan, Italy

P045: Clinical Characteristics of a Subset of Oral Tongue Squamous Cell Cancers: Never Smokers and Never Drinkers; Ryan Li, MD, Carole Fakhry, MD, MPH, Christine G Gourin, MD, MPH, Wayne M Koch, MD; Department of Otolaryngology-Head and Neck Surgery, The Johns Hopkins Medical Institutions, Baltimore, MD

P046: Depth of Invasion in Oral Cavity Cancer: Should We Consider It One of the Parameters of the T-Staging System?; Mohamed a Shama, MD, MRCS, MSc, Eman Khorshed, MD, MSc, Manar Hafez, MD, Ahmed Mustafa, MD, MSc, PhD, Tarek El Baradie, MD, MSc, PhD; National Cancer Institute - Cairo University

P047: Anatomical Variation of the Superior Thyroid Vein in the Functional Preservation of the Parathyroid Glands During Pharyngo-Laryngectomy with Bilateral Neck Dissection; Kazuhiko Yokoshima, MD, Munenaga Nakamizo, MD, Shunta Inai, MD, Atsuko Sakanushi, MD, Takayuki Kokawa, MD, Kimihiro Okubo, MD; Dept. Otolaryngology, Head and Neck Surgery, Nippon Medical School

P048: Clinico Pathological and Molecular Predictive Factors of Neck Node Metastasis in Carcinoma Larynx and Hypopharynx and Its Oncological Outcome; Elizabeth M Iype, MBBS, DLO, DNB, Nebu a George, MBBS, MS, DNB, MRCS, Bipin T Varghese, MBBS, MS, MCH, DNB, Paul Sebastian, MBBS, MS; Regional Cancer Centre, Trivandrum, Kerala, India

P049: Organ Preservation Surgery for Laryngeal Low- and Intermediate Grade Chondrosarcoma; Cesare Piazza, MD, Francesca Del Bon, MD, Piero Nicolai, MD, Paola Grazioli, MD, Giorgio Peretti, MD; Department of Otorhinolaryngology – Head and Neck Surgery, University of Brescia, Italy

P050: Treatment of T4B Oral Cancer: Is It Suitable to Apply Chemoradiation Before Surgery?; Chih-Yen Chien, MD, FACS, Fu-Min Fang, MD, PhD; Kaohsiung Chang Gung Memorial Hospital, Taiwan

P051: Squamous Carcinoma of Tongue and Buccal Mucosa Are Clinico-Pathogically Different Entities; Prashant V Pawar, MS, Sudhir Nair, MCH MS, Pankaj Chaturvedi, MS, Bikramjit Singh, MS, Deepa Nair, MS, Sagar S Vaishampayan, MDS; Tata Memorial Hospital

P052: Primary TEP in Salvage Laryngectomy Patients; Adam B Johnson, MD, PhD, Tracy Grammer, MS, CCCSLP, Jesus Medina, MD; Oklahoma University Health Science Center

P053: Pattern and Frequency of Lymph Node Metastasis in Carcinoma of the Larynx; Ayman Amin, MD, Ashraf Shawky, MD, Mostafa El-Attar, MD, Tarek Saber, MD, Fouad Saleep, MD; National Cancer Institute, Cairo University

P054: Assessment of Microdebrider as a New Tool in the Management of Obstructing Laryngeal Tumors; Mohamed Hesham Hassan, MD, Alaa Gaafar, MD, Ahmed Yassin, MBBCh, Hossam Fouad, MD, Mona Abd Elhady, MD; Alexandria Faculty of Medicine

P055: Chondrosarcoma of the Larynx: Submucosal Microdissection with the Operating Microscope; Ryan S Jackson, MD, Thomas V McCaffrey, MD; Department of Otolaryngology - Head and Neck Surgery, University of South Florida, Tampa, Florida

P056: Patterns of Treatment Failure after Surgery in Oral and Oropharyngeal Squamous Cell Carcinoma Presented as Single Lymph Node Metastasis (CN1, CN2a): A Rationale for Selective Neck Dissection; Hyoung Shin Lee, MD, Won Shik Kim, MD, Hyun Jun Hong, MD, Yoon Woo Koh, MD, PhD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine

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P057: Maintenance of Tissue Orientation and Pathologic Margins for Partial Glossectomy- Review of a New Technique; Brandon W Pierson, MD, Nilesh R Vasan, MD, Cheng Z Liu, MD, PhD; the University of Oklahoma Heath Sciences Center

P058: The Princess Margaret Hospital Experience for Treating Oral Tongue Cancer 1994-2008; Stephan K Haerle, MD, Jonathan C Irish, MD, Eric Aruda, MD, Patrick J Gullane, MD, Ralph W Gilbert, MD, Dale Brown, MD, Brian O'Sullivan, MD, Bayardo Perez-Ordonez, MD, Ilan Weinreb, MD, David P Goldstein, MD; Dept. of Otolaryngology-Head and Neck Surgery, Princess Margaret Hospital, Dept. of Laboratory Medicine and Pathobiology, University Health Network, Toronto

P059: Is It Necessary to Do Elective Neck Dissection in Ct1N0 Oral Squamous Cell Carcinoma?; Yan-Ye Su, MD, Chih-Yen Chien, MD; Chang Gung Memorial Hospital-Kaohsiung Medical Center

P060: The Impact of Mri-Derived Tumor Volume and Thickness for Advanced Tongue Carcinoma; Mu-kuan Chen, MD, MSc PhD; Changhua Christian Hospital

P061: Tubed Supraclavicular Pedicled Flap Reconstruction of the Total Laryngopharyngectomy Defect; Richard E Hayden, MD, David P Mullin, MD, Andrew K Patel, MD, Carrlene B Donald, PA; Mayo Clinic Arizona

P062: Utility of a "2nd Look" at Transoral Laser Surgery For Mobile Cord Carcinomas With Involvement of Anterior Commissure and/or Paraglottic Space; Ashok Shenoy, Puroshottam Chavan, Akshay Shivappa, Poornima Shenoy, MSc SLP; Kidwi Memorial Inst Of Oncology

P063: Our Experience with Maxillectomies - A 10-Year Retrospective Study; Imad Abu el Naaj, DMD, Amir Wolff, DMD, Keren Yudovich, DMD, MD, Yoav Leiser, DMD, PhD, Micha Peled, DMD, MD; Rambam Medical Center

P064: Predictive Factors of Prolonged Hospital Stay in Patients Undergoing Total Laryngectomy; Genival B Carvalho, MD, João G Filho, PhD, Samuel P Lima, MD, Andre L Carvalho, PhD, Ansarin Mohssen, PhD, Fausto Chiesa, PhD, Snehal G Patel, PhD, Pablo H Montero, MD, Andrew G Shuman, MD, Jatin P Shah, PhD, Luiz P Kowalski, PhD; Hospital A.C. Camargo, São Paulo, Brazil. Hospital de Câncer de Barretos, Barretos, Brazil. Memorial Sloan-Kettering Cancer Center, New York, USA, Istituto Europeo di Oncologia, Milan, Italy

P065: Prognostic Predictors in Pathological Node Negative T2 Lesions of the Oral Tongue Squamous Cell Carcinoma; Sharankumar Shetty, MD, Sriprakash Duraisamy, MD, Krishnakumar Thankappan, MD, Naveen Hedne, MD, Chandrasekhar Rao, MD, Subramaya Iyer, MD; Amrita Institute of Medical Science

P066: Survival Benefit of Thyroidectomy in Patients with Laryngeal or Hypopharyngeal Carcinoma Undergoing Laryngectomy; Patravoot Vatanasapt, MD, MS, Siriwan Tongwiset, MD, Anucha Puapairoj, MD; Department of Otorhinolaryngology/ Department of Pathology, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand

P067: Patterns of Recurrence in Laryngeal Carcinoma Following Radiotherapy and Chemoradiation Failure; Anil Joshi, MRCS, Winnie Yeung, MRCS, Alistair Balfour, FRCS, ORLHNS, Peter Morgan, FRCPath, Iain J Nixon, FRCS, ORLHNS, Thomas F Pezier, MA, MSc, MRCS, DOHNS, Jean-Pierre Jeannon, FRCS, ORLHNS, Richard Oakley, FRCS, ORLHNS, Teresa Guerrero-Urbano, FRCP, FRCR, Ricard Simo, FRCS, ORLHNS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

P068: Predictors of Outcome Following Total Laryngectomy for Squamous Cell Carcinoma; Thomas F Pezier, MA, MSc, MRCS, DOHNS, Iain J Nixon, FRCS, ORLHNS, Anil Joshi, MRCS, Teresa Guerrero-Urbano, FRCP, FRCR, PhD, Richard Oakley, FRCS, ORLHNS, Jean-Pierre Jeannon, FRCS, ORLHNS, Ricard SImo, FRCS, ORLHNS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

P069: Granulocytic Sarcoma of the Larynx: A Case Report; Jordan M Virbalas, MD, Della Makower, MD, Keivan Shifteh, MD, Andrew Tassler, MD; Albert Einstein College of Medicine

P070: Oral Erosive Lichen Planus Induced Squamous Cell Carcinoma Is Not Mediated by HPV; T Allis, MD, T Muelleman, MS, W Lydiatt, MD, FACS; University of Nebraska Medical Center

P071: Intra-Arterial Chemotherapy for Oral Cancer in Our Institution; H Niwa, MD, PhD, S Tanaka, DDS, PhD, M Yokokawa, DDS, A Ogino, MD, PhD, T Hirayama, MD, PhD, Y Makiyama, MD, PhD, Y Akimoto, DDS, PhD; Nihon University School of Dentistry at Matsudo Department of Head and Neck Surgery, Department of Neurologocal Surgery, Department of Oral Surgery

P072: Prognostic Factors in Carcinoma of the Oral Tongue; Nilda Suslu, MD, Tugba Aslan Dündar, MD, Sefik Hosal, MD, Bülent Sözeri, MD, Anil Dolgun, PhD; Hacettepe University Faculty of Medicine

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P073: Supracricoid Laryngectomy an Alternative to Total Laryngectomy; Shabahang Mohammadi, Mastaneh Sanei; Tehran University of Medical Sciences, Rasul Akram Hospital

P074: Near-Total Laryngectomy for Laryngeal and Pyriform Sinus Tumours: Functional and Oncologic Outcomes; Luciana C Arcoverde, MD, Roberto a Lima, PhD, MD, Emilson Q Freitas, MD, Fernando L Dias, PhD, MD, Ullyanov B Toscano, MD, Izabella C Santos, PhD, MD, Terence P Farias, MD, Marina a Quintanilha, MD, Ana P Pontes, MD, José Roberto N Soares, MD; Brazilian National Cancer Institute-INCA (MS/RJ)

P075: Evaluating the Outcomes of Adult Respiratory Papillomatosis: An 8 Year Case Series in a Tertiary Referral Teaching Hospital; Ajith George, FRCS, Charles Daultrey, MRCS, Chris Jennings, FRCS, John Paul Pracy, FRCS; University Hospital of Birmingham

P076: Constructing the Montreal Head and Neck Score to Predict Quality of Life Outcomes in Oral and Oropharyngeal Cancer; Sami P Moubayed, MD, John S Sampalis, PhD, Tareck Ayad, MD, Louis Guertin, MD, Jean-Claude Tabet, MD, Phuc-Felix Nguyen-Tan, MD, Edith Filion, MD, Louise Lambert, MD, Denis Soulières, MD, Apostolos Christopoulos, MD, MSc; Centre Hospitalier de l'Université de Montréal (CHUM)

P077: Treatment of cT1N0M0 Tongue Cancer: Outcome and Prognostic Parameters; Tao Zhang, MD, DDS, Donita Dyalram, MD, DDS, Joshua Lubek, MD, DDS, RA, Ord, MD, DDS, FRCS, FACS; University of Maryland Medical Center

P078: Outcomes of Primary Radiation Therapy for the Treatment of Supraglottic Cancer at a Tertiary Care Center Versus Community Facilities: A Comparative Review; JK J Rasamny, MD, Anne K Maxwell, BA, David C Shonka Jr, MD, Paul W Read, MD, PhD, Mark J Jameson, MD, PhD; University of Virginia

P079: Management of Laryngeal Precursor Lesions: Clinical Practice in the Netherlands; A.J.H.M. Fleskens, MD, J.A.W.M. van der Laak, PhD, P.J. Slootweg, MD, PhD, R.P. Takes, MD, PhD; Department of Otorhinolaryngology and Head and Neck Surgery, Radboud University Nijmegen Medical Center, Nijmegen, The Netherlands

P080: Laryngeal Squamous Cell Carcinoma in a Teenager Case Report and Review of the Literature; AF Porsani, HHG Oliveira; Santa Casa de Misericórdia de Araraquara/São Paulo/Brasil

P081: The HPV Related Oral Squamous Cell Carcinoma Revealed Tumor Site and Age Specificity, Different from Oropharyngeal Cancer; Somjin Chindavijak, MD, Suppaluk Jenjesadatham, MD, Ekapob Sangariyavanich, MD, Jidapa Dhamasiri, MD, Wirote Lausoontornsiri, MD; National Cancer Institute Bangkok Thailand

P082: Surgical Treatment of Squamous Cell Carcinoma of the Floor of Mouth: Glasgow Experience; Mohamed Ellabban, MBBCh, MSc, MRCSMD, FEBOPRAS, John Devine, Taimur Shoaib, Jeremy McMahon, David Soutar; Plastic and Reconstructive Surgery Unit, Suez Canal University Hospitals, Ismailia, Egypt; Canniesburn Plastic Surgery Unit, Glasgow, United Kingdom; West of Scotland Regional Oral and Maxillofacial Unit, Southern General Hospital, Glasgow, United Kingd

P083: Primary Neuroendocrine Carcinoma of the Trachea: A Rare Malignancy; Yuri M Sheinin, MD, PhD, Sonny L Johansson, MD, PhD; University of Nebraska Medical Center

P084: Oral Tongue Squamous Cell Carcinoma in Young Women; Ryan Goepfert, MD, Megan L Durr, MD, David W Eisele, MD, Steven J Wang, MD; University of California San Francisco

P085: Management of Tracheal Cancer; Ryuji Yasumatsu, MD, Torahiko Nakashima, MD, Shizuo Komune, MD; Department of Otolaryngology, Kyushu University, Japan

P086: Anatomical Surgical Planning for Oral and Oropharyngeal Primary Carcinoma, Combined with Adjuvant Treatment Where Indicated, Is Associated with Improved Local Control; Jeremy D McMahon, FRCS, Ling Siew Wong, Dr, John C Devine, FRCS, Craig Wales, FRCS, Alan James, FRCP, Douglas McLellan, FRCPath; Southern General Hospital, Glasgow; Beatson Oncology Centre, Glasgow

P087: Plasmalymphoblastic Lymphoma in HIV: A Case Report and Review; James K Fortson, MD, MPH, MBA, FACS, Vijaykumar Patel, MBBS, FRCS, Gillian E Lawrence, MD; Morehouse School of Medicine, ENT Associates of South Atlanta

P088: Small Cell Neuroendocrine Tumor of the Tongue; A Case Report; Raghav Kulkarni, MBChB, MRCSIon, Katie Edwards, BDS, James A McCaul, PhD, FRCSOMFS, FRCS, FDSRCPS, MBChB, BDS; Bradford Royal Infirmary: Bradford Teaching Hospitals NHS Trust

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P089: Hyalinizing Clear Cell Adenocarcinoma of the Soft Palate; Chad L McDonald, DO; Department of Pathology, Penn State Milton S. Hershey Medical Center

P090: Mucosal Defect Repair with a Polyglycolic Acid Sheet; Takeshi Shinozaki, MD, Ryuichi Hayashi, MD, Mitsuru Ebihara, MD, Masakazu Miyazaki, MD; National Cancer Center Hospital East

P091: Clinical Study of 261 Cases of Laryngeal Cancer; Shoji Watanabe, PhD, MD, Shigeru Kasugai, MD, Yoshimitsu Saito, MD, Hiromichi Gomi, MD, Mio Shinozuka, MD; Department of Otolaryngology and Radiology, St. Marianna University School of Medicine, Japan

P092: Oral Cavity; Reza Radmand; Yale New Haven Hospital

P093: Simultaneous Marginal Mandibulectomy with Mandibulotomy Approach: Technique and Outcome; Krishnakumar Thankappan, MD, Naveen C Hedne, MD, Leela Mohan CS Sampathirao, Sriprakash Duraisamy, Subramania Iyer, MChFRCS; Amrita Institute of Medical Sciences, Kochi, Kerala,India

P094: Neoadjuvant Chemoradiation in Locally Advanced Laryngeal Carcinoma; Mastaneh Sanei, Shabahang Mohammadi, MD; Tehran University of Medical Sciences, Rasul Akram Hospital

P095: Reading the Fine Print on PET/CT Interpretation: An Unusual Presentation of Metastatic Oral Cavity Squamous Cell Carcinoma; Nicole M Hsu, MD, David I Kutler, MD, William I Kuhel, MD, Andrew M Schreiner, MD, Marc A Cohen, MD; New York Presbyterian Hospital – Weill Cornell Medical College, New York, NY

P096: A Case Report of a Highly Destructive Squamous Cell Carcinoma of the Larynx in a 28 Year Old Patient; J R Cracchiolo, J S Khurana, J C Liu; Department of Otolaryngology Head and Neck Surgery, Temple University, Philadelphia, PA

P097: Meeting the Nutritional Needs of Patients Undergoing Laryngo-Pharyngo-Oesophagectomy with Stomach Pull Up: A Pilot Nutrition Protocol; Sarah E Ballis, BScMelb, BNutrDietMonash, APD, Michael S W Lee, MB, ChB, FRCS, Williams Donna, BScHons, NutrDiet; Department of Nutrition & Dietetics and Department of Otolaryngology Head and Neck Surgery, St George's Hospital, London

P098: Patient Education for the H&N Cancer Patient; Betsy K Davis, DMD, MS, Tammy Harstad, CDA; Medical University of South Carolina

P099: Primary Laryngeal Lymphoma after Chemo-Radiotherapy; Ching Yee Chan, MBBS, MRCS, Glasg, Hin Ngan Tay, MBBS, MRCS, Edin, MMed, ORL, FAMS ORL; Singapore General Hospital

P100: Reccurent Pharyngocutaneous Fistula; Saad Aljuboori, Fadhil Alrubaiee; College of Medicine-Babylon University

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P101: Clinical Significance of Occult Metastasis in Head and Neck Cancer; Nirav P Trivedi, MS MCH, Vikram Kekatpure, Moni Kuriakose, Subramania Iyer, Krishnakumar Thankappan; Mazumdar-Shaw Cancer Center & Narayana Hrudayalaya, Bangalore, India

P102: Morbidity in Selective Neck Dissection a Randomized Control Trial; Nebu A George, MSDNBMRCS, Paul Sebastian, MS, Balagopal P Gowri, MSMCh; Regional Cancer Centre ,Trivandrum, Kerala

P103: The Place of Selective Neck Dissection in the Management of Cervical Squamous Cell Carcinoma of Unknown Primary; AD Dragan, MBBS, IJ Nixon, FRCS, ORLHNS, TFR Pezier, MRCS, T Guerrero-Urbano, MRCP, FRCR, PhD, R Oakley, FRCS, ORLHNS, JP Jeannon, FRCS, ORLHNS, R Simo, FRCS, ORLHNS; Head and Neck Unit, Guy's and St Thomas' NHS Foundation Trust, London

P104: Necessity of Neck Dissection at Level IIb for Laryngeal and Hypo-pharyngeal Cancer; Akihiro Sakai, MD, Kenji Okami, MD, PhD, Koji Ebisumoto, MD, Ryosuke Sugimoto, MD, Masahiro Iida, MD, PhD; Department of Otolaryngology Tokai University

P105: Lymphatic Vessels and High Endothelial Venules are Increased in the Sentinel Lymph Node (SLN) of Patients with Oral Squamous Cell Carcinoma Before the Arrival of Tumor Cells; Man Ki Chung, MD, Eunwook Jung, MD, Young-Ik Son, MD, PhD, Han-Sin Jeong, MD, PhD, Chung-Hwan Baek, MD, PhD; Sungkyunkwan University School of Medicine, Samsung Medical Center

P106: Cost Comparison of Elective Neck Dissection vs Sentinel Lymph Node Biopsy in Early Oral Squamous Cell Carcinoma; Rory O'Connor, Thomas F Pezier, MA, MSc, MRCS, DOHNS, Mark McGurk, FRCS, OMFS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

P107: A Comparison of Selective Versus Superselective Neck Dissection in CN0 Laryngeal Cancer; Won Shik Kim, MD, Hyoung Shin Lee, MD, So Yoon Lee, MD, Hyun Jun Hong, MD, Yoon Woo Koh, MD, PhD, Se-Heon Kim, MD, PhD, Hong-Shik Choi, MD, PhD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

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P108: Sentinel Node Navigation Surgery for Oral Cancer; Hitoshi Hirakawa, Hasegawa Yasuhisa, Yoshimoto Yoshikazu, Tadashi Sugasawa, Akihiro Honma, Akihiro Shiotani, Hiroki Miura, Hirokazu Uemura, Yasuo Ookura, Naoyuki Kohno, Shigeru Kosuda, Katsumasa Takahashi, Hiroshi Nagahuji, Takashi Matsuzuka, Junkichi Yokoyama, Tomokazu Yoshizaki, Tomoyuki Yoshida; Aichi Cancer Center

P109: Treatment for Cervical Lymph Nodes in Patients with Stage II Tongue Cancer Based on the Experience of the Japanese Neck Dissection Group; Takahiro Asakage, MD, PhD, Seiji Kishimoto, MD, PhD, Masahisa Saikawa, MD, PhD; University of Tokyo

P110: The Feasibility and Short-Term Oncologic Outcome of Sentinel Lymph Node (SLN) Biopsy in Clinically N0 Oral Tongue Squamous Cell Carcinoma; Man Ki Chung, MD, Eunwook Jung, MD, Myung-Eun Nam, MD, Chung-Hwan Baek, MD; Sungkyunkwan University School of Medicine, Samsung Medical Center

P111: Role of Elective Neck Dissection and Adjuvant Radiation for Locoregional Control in Early (T1/T2-N0) Squamous Cell Carcinoma of the Oral Tongue; Mauricio A Moreno, MD, Elizabeth E Cottrill, MD, Horace J Spencer, MS, Emre A Vural, MD; University of Arkansas for Medical Sciences

P112: Sentinel Node Biopsy in Patients with Conjunctival Melanoma; Matthias Scheich, MD, Michael Kreissl, MD, Klink Thomas, MD, Rudolf Hagen, MD; Department of Otorhinolaryngology, Plastic, Aesthetic and Reconstructive Head and Neck Surgery, University Hospital of Wuerzburg

P113: A New Algorithm for Management of the Unknown Primary in the Era of HPV and Robotics; Jason G Newman, MD, Bert W O'Malley Jr, MD, Roger Cohen, MD, Christopher Rassekh, MD, Kelly Malloy, MD, Alexander Lin, MD, Ara Chalian, MD, Peter Ahn, MD, Arati Desai, MD, Gregory S Weinstein, MD; University of Pennsylvania

P114: Results in the Treatment of T1/T2 Floor of the Mouth Cancer; Julian Küenzel, MD, Georgios Psychogios, MD, Michael Koch, MD, Heinrich Iro, MD; ENT, Head and Neck Surgery Department of the University Hospital of Erlangen

P115: Sentinel Lymph Node Detection Using MRI with Spio; Hirokazu Uemura, Kunitoshi Yoshino, MD, Takashi Fujii, Motoyuki Suzuki, Katsuyuki Nakanishi, MD, PhD, Mio Sakai, MD, PhD, Hirohiko Tomita, MD; Osaka Medical Center for Cancer and Cardiovascular Diseases

P116: Introduction of a Pet as Well as a Fluorescent Nanocoll-Based Tracer Aiming to Improve the Sentinel Node Procedure in Early Stage Oral Cancer; D.A. Heuveling, MD, PhD, G.W.M. Visser, PhD, O.S. Hoekstra, MD, PhD, C.R. Leemans, MD, PhD, R. de Bree, MD, PhD, G.A.M.S. van Dongen, PhD; Department of Otolaryngology/Head and Neck Surgery and Department of Nuclear Medicine & PET Research, VU University Medical Center, Amsterdam, The Netherlands

P117: Does Nodal Staging or Grade of Disease Affect the 5 Years Survival Rate in Head and Neck Cancer with Occult Primary? Retroscpective Analysis of Tertiary Referral Cancer Centre Between 1999-2010; Sachin C Patil, Mr, Manisha Parmar, Dr, Ramiz Nassif, Mr, Tom Roques, Dr, Craig Martin, Dr, Paul Montgomery, Mr, Tim Bradnam, Mr, James Howard, Dr, Aaron Trinidade, Mr; Norwich University Hospital

P118: Is Post-CCRT Neck Dissection Necessary for Responding Using Chemo-Selection?; Nobuhiro Hanai, MD, PhD, Taijiro Ozawa, MD, Hitoshi Hirakawa, MD, Hidenori Suzuki, MD, PhD, Hiroki Okamoto, MD, Ikuma Harada, MD, Yusuke Koide, MD, Yujiro Fukuda, MD, Yasuhisa Hasegawa, MD, PhD; Dept. of Head and Neck Surgery, Aichi Cancer Center Hospital

P119: Significance of Nodal Yield in Neck Dissection; Ilana Doweck, MD, Nurit Melamud, MD, Ohad Ronen, MD; Department of Otolaryngology, Head and Neck Surgery, Carmel Medical Center, Bruce Rappoport Faculty of Medicine, Technion, Haifa, Israel

P120: Roles of Therapeutic Selective Neck Dissection in Multidisciplinary Treatment; Muneyuki Masuda, MD, PhD, Hideoki Uryu, MD, PhD, Kenichi Kamizono, MD, Akiko Fujimura, MD; Department of ORL & Head and Neck Surgery, Kyushu Koseinennkin Hospital

P121: The Role of Multidisciplinary Team in the Tratment of Head and Neck Cancers; Mastaneh Sanei, MD, Shabahang Mohammadi, MD; Tehran University of Medical Sciences, Rasul Akram Hospital

P122: Electrochemotherapy (ECT) for Advanced Neck Disease: A Novel Method of Disease Control in Head and Neck Cancer Patients; James a McCaul, Dr, Theo Boye, Mr, Raghav Kulkarni, Dr; Head and Neck Research, Bradford Institute for Health Research

P123: Rehabilitation for Dysphagia in Post-Radiated Head and Neck Cancer Patients Begins with Pre-Treatment Counseling with the Speech-Language Pathologist; James M Smaldino, MS, Lindsay Wachowiak, MA, Amy Sumbrum, MA, Vishal Gupta, MD, Hassan Arshad, MD; Roswell Park Cancer Institute, Buffalo, NY 14263, USA

P124: Does the Open Cervical Lymph Node Biopsy for Head and Neck Cancers Worsen Prognoses?; Koji Ebisumoto, Kenji Okami, Akihiro Sakai, Ryosuke Sugimoto, Masahiro Iida; Tokai University Department of Otolaryngology, Head and Neck Surgery

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P125: Establishment of Novel Tumorigenic Snuc Cell Lines: Phenotypic and Molecular Characterization; Yoko Takahashi, PhD, Michael E Kupferman, MD, Diana Bell, MD, Tilahun W Jiffar, PhD, June G Lee, PhD, Tong-Xin Xie, MD, PhD, Mitchell J Frederick, PhD, Alexander Gelbard, MD, Jeffrey N Myers, MD, PhD, Ehab Y Hanna, MD; The University of Texas M.D. Anderson Cancer Center

P126: Microrna-31 Is Up-Regulated Early During Precancerous Stage of Experimental Oral Tongue Carcinogenesis; J Wu, BS, L Luan, PhD, J Schaefer, PhD, T Andl, PhD, N Vigneswaran, DMD, DrMedDent; The University of University of Texas School of Dentistry at Houston and Vanderbilt University School of Medicine

P127: Galanin Receptor Type 2 Has Tumor Suppressor Activity and Is Frequently Inactivated by Aberrant Promoter Methylation in Head and Neck Cancer; Kiyoshi Misawa, MD, PhD, Yuki Misawa, MD, Takeharu Kanazawa, MD, PhD, Atsushi Imai, MD, Kenichi Sugiyama, MD, Seiji Hosokawa, MD, PhD, Thomas E Carey, MD, PhD, Hiroyuki Mineta, MD, PhD; Hamamatsu University School of Medicine

P128: Aquaporin-1 Promoter Hypomethylation Is Associated with Local Recurrence in Salivary Gland Adenoid Cystic Carcinoma; Marietta Tan, MD, Chunbo Shao, MD, PhD, Justin A Bishop, MD, Ami R Vikani, MPH, William H Westra, MD, Patrick K Ha, MD; Departments of Otolaryngology-Head and Neck Surgery and Pathology, Johns Hopkins Medical Institutions, Baltimore, MD, USA

P129: Emmprin/CD147 Mediates EGFR Induced HNSCC Invasion; Shinsuke Suzuki, MD, Masafumi Takahashi, MD, Kazuo Ishikawa, MD; Akita University Graduate School of Medicine, Department of Otolaryngology-Head and Neck Surgery

P130: Investigation of Stem-Cell Markers in Pleomorphic Adenoma: Immunohistochemical and Molecular Study; Renata F Ianez, MSc, Cláudia M Coutinho-Camillo, PhD, Marcilei C Buim, PhD, Luiz P Kowalski, MD, PhD, Silvia V Lourenço, DDS, PhD; Department of Surgical Pathology, Hospital A.C. Camargo, São Paulo, Brazil; Department of General Pathology, Dental School, University of São Paulo

P131: The Gain of Function of p53 Mutant p53N236S in Promoting Tumorigenesis by Crosstalking with H-RasV12; Shuting Jia, Lanjun Zhao, Wenru Tang, PhD, Ying Luo, PhD; Lab of Molecular Genetics of Aging & Tumor, Faculty of Life Science and Technology & Faculty of Environmental Science and Engineering, Kunming University of Science & Technology, Kunming, China

P132: The Effect of Human Wound Fluid on the Proliferative and Invasive Properties of HNSCC Cells; Lars Ekblad, PhD, Gustaf Lindgren, MD, Elisabeth Kjellén, PhD, MD, Emma Persson, PhD, Sandra Smiljanic, MSc, Johan Wennerberg, PhD, MD; Lund University, Lund, Sweden

P133: Preclinical Investigation into the Potential of Photodynamic Therapy for Management of Bulky Squamous Cell Carcinomas; Mirabelle Sajisevi, MD, Vishal Gupta, MD, David Rigual, MS, Mihai Merzianu, MD, David Bellnier, PhD, Nestor R Rigual, MD, Mukund Seshadri, DDS, PhD; Roswell Park Cancer Institute

P134: Immunosuppressive Impact on Head and Neck Cancer Patients by CD14+HLA-DR- Myeloid-Derived Suppressor Cells; Koichi Sakakura, MD, PhD, Minoru Toyoda, MD, Katsumasa Takahashi, MD, PhD, Takanori Yamamoto, MD, PhD, Motohiro Moriyama, MD, PhD, Keisuke Masuyama, MD, PhD, Kazuaki Chikamatsu, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, Gunma University Graduate School of Medicine

P135: The Body-To-Bench Gap: Barriers to Tissue Banking in Head and Neck Surgery; Alexander Langerman, MD, Tanguy Seiwert, MD, Mark Lingen, DDS, PhD, Leslie Martin, BA, Christian Soneru, MD, Rangesh Kunnavakkam, MPH, Wendell G Yarbrough, MD; University of Chicago and Vanderbilt University

P136: Longitudinal Study of the CD3 Zeta Chain and T Cell Functions in the Correlation of the Diseases Status in Head & Neck Cancer Patients; Deepak Upreti, Mr, Man-li Zhang, Mrs, Elena Bykova, Mrs, Alok Pathak, Dr, Sam Kung, PhD; Department of Immunology, University of Manitoba

P137: Carcinogenesis Cell Culture Model for HPV Induced Oropharyngeal Cancer; Monika Knapik, MD, Guillaume Cardin, MSc, Francis Rodier, PhD, Apostolos Christopoulos, MD, MSc, FRCS; Department of Otolaryngology Head and Neck Surgery, CRCHUM, CHUM Hôpital Notre-Dame, Université de Montréal, Québec Canada

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P138: Malignant Melanoma Induces Migration and Invasion of Adult Mesynchmal Stem Cells; Tammara L Watts, MD, PhD, Ruwen Cui, BS; University of Texas Medical Branch

P139: A Tissue Dissociator Method for Developing Cell Lines from Head and Neck Tumor Sites; Beverly Wuertz, BA, Emiro Caicedo-Granados, MD, Frank Ondrey, MD, PhD; University of Minnesota

P140: Loss of Heterozygosity on Chromosom 8Q: Association with Clinical Parameters and Survival in HNSCC; Levent B Beder, MD, PhD, Tamagawa Shunji, MD, Mehmet Gunduz, MD, PhD, Kazuya Yata, MD, Muneki Hotomi, MD, PhD, Omer F Hatipoglu, PhD, Shinji Tamura, MD, PhD, Akihisa Togawa, MD, PhD, Noboru Yamanaka, MD, PhD; Dept of Otolaryngology, Wakayama Medical University, Wakayama, Japan (1,2,4,5,7-9), Dept of Otolaryngology, Fatih University Faculty of Medicine, Turkey (3), Dept of Molecular Biology and Biochemistry, Okayama University School of Medicine, Japan(6)

P141: Study of Micrornas' Expression Profile in Head/Neck Squamous Cell Carcinoma and in Autologous Peri-Tumoral and Normal Tissues; Valentina Manciocco, PhD, Giulia Fontemaggi, MD, Federica Ganci, MD, Giuseppe Mercante, MD, Giovanni Blandino, MD, Giuseppe Spriano, MD; National Cancer Institute Rome Italy

P142: Metabolic Derangements in the Gastrocnemius and the Effect of Selective Nf-Kb Inhibition in a Murine Model of Cancer Cachexia; Hirak Der-Torossian, MD, MPH, Ashley Wysong, MD, Scott Shadfar, MD, Monte Willis, MD, PhD, Jonathan McDunn, PhD, Marion E Couch, MD, PhD, FACS, MBA; University of Vermont, University of North Carolina

P143: Identification of PRDX4 and P4HA2 as Metastasis-Associated Proteins in Oral Cavity Squamous Cell Carcinoma by Comparative Tissue Proteomics of Microdissected Specimens Using iTRAQ Technology; Kai-Ping Chang, MD, PhD, Lang-Ming Chi, PhD; Chang Gung Memorial Hospital & Chang Gung Universitiy

P144: Biological Staging Beyond the TNM Staging System for Squamous Cell Carcinoma of Head and Neck; Jan Akervall, MD, PhD, Sirisha R Nandalur, MD, Jacob Zhang, PhD, Chao-Nan Qian, PhD, Neal Goldstein, MD, Jens Alm, MD, Katarina Lorenc, MD, Karolina Nilsson, MD, James Resau, MD, George Wilson, PhD, Bin Teh, MD, PhD; Departments of Otolaryngology, Pathology and Radiation Oncology, William Beaumont Hospital, Royal Oak, MI and Van Andel Institute, Grand Rapids, MI

P145: TP53 Mutational Status Stratified by Evolutionary Gradient and Structure Model Is a Prognostic Biomarker of Overall Survival in Head and Neck Squamous Cell Carcinoma; Abdullah A Osman, PhD, David M Neskey, MD, Panagiotis Katsonis, PhD, Ameeta A Patel, BS, Carlos Caulin, PhD, Olivier Lichtarge, MD, PhD, Jeffrey N Myers, MD, PhD; Department of Head and Neck Surgery, The University of Texas MD. Anderson Cancer Center, and the Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, Texas, USA

P146: Analysis of Genes Related with Early Metastasis in Supraglottic Squamous Cell Carcinoma; Jun Yeon Hwang, MD, Seung Jae Baek, MD, Se-Heon Kim, MD, PhD, Sei Young Lee, MD, PhD; Department of Otolaryngology-HNS, Chung-Ang University College of Medicine

P147: Evaluation of Prognostic Markers and Recurrence Rate in Keratocystic Odontogenic Tumor (KCOT); Jun-Yong Yun, JuHyon Lee, Jung-Hyun Shin, Hoon Myoung; Department of Oral and Maxillofacial Surgery the Graduate School of Seoul National University

P148: ERBB Receptors and Matrix Metalloproteinases Are Predictors of Poor Outcomes in pN+ Oral Squamous Cell Carcinoma with Capsular Rupture; Sabrina Daniela Silva, PhD, Moulay A. Alaoui-Jamali, PhD, Michael P. Hier, PhD, Fernando Augusto Soares, PhD, Edgard Graner, PhD, Luiz Paulo Kowalski, PhD; AC Camargo Hospital and McGill University

P149: Genomic Screening in Different Histological Stages in Oral Squamous Cell Carcinomas; Sabrina Daniela Silva, PhD, Fabio Aubuquerque Marchi, MSc, Silvia Regina Rogatto, PhD, Fernando Augusto Soares, PhD, Luiz Paulo Kowalski, PhD; AC Camargo Hospital and McGill University

P150: Increased Frequency of Regulatory T Cells after Cetuximab Therapy of Head and Neck Cancer Patients May Inhibit NK Cell Toxicity; Patrick J Schuler, MD, Steve Lee, MD, Malgorzata Harasymczuk, MD, Stephan Lang, MD, Theresa Whiteside, PhD, Robert L Ferris, MD, PhD; University of Pittsburgh Cancer Institute and University of Pittsburgh School of Medicine, Departments of Pathology, Immunology and Otolaryngology, Pittsburgh, USA, University of Duisburg-Essen, Department of Otorhinolaryngology, Essen, Germany

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P151: Sequential Studies in an Experimental Animal Setting of 18FDGmetabolic Rate in HNSCC During Cytotoxic Yherapy, A Robust and Reliable Method; E Brun, MD, PhD, J Sjövall, MD, J Wennerberg, MD, PhD, A Sandell, MSc, J Siikanen, MSc, A Forslid, PhD, L Ekblad, PhD, E Kjellén, MD, PhD; Department of Oncology, Department of ORL-HNS, Department of Radiophysics and Department of Laboratory animal Science, Lund University Hospital, Lund, Sweden

P152: Human Parathyroid Tissue Culture; Francis T Hall, MBChB, FRACS, Kang M Chen, MD, Robert S Stachler, MD, Tamer a Ghanem, MD, PhD, Samer Al-Khudari, MD, D S Rao, MD, Maria J Worsham, PhD; Henry Ford Health System

P153: Expression of Stem Cell Marker CD44 in Squamous Cell Carcinoma of the Tongue and Association with Clinicopathological Factors and Survival Outcomes; Veronique KM Tan, MBBS, MMed, MRCS, Jacqueline S Hwang, MBBS, FRCPA, FAMS, Whee-Sze Ong, MAppStat, Ta Cam Ha, PhD, Hiang-Khoon Tan, FRCS, FAMS, PhD, Ranjiv Sivanandan, MBBS, FRCS, FAMS, N Gopalakrishna Iyer, FRCS, FAMS, PhD; Department of Surgical Oncology, National Cancer Centre Singapore; NCCS Wee Kim Wee Laboratory of Surgical Oncology; Department of Pathology, Singapore General Hospital; Division of Clincial Trials and Epidemiological Sciences, National Cancer Centre

P154: A p53-Dependent Resistance Mechanism to Cell Death Caused by 1-Integrin Silencing in Head and Neck Cancer Cell Line; Mi Ra Kim, Hyo Won Chang, Myung Woul Han, Jong-Lyel Roh, Seong Who Kim, Sang Yoon Kim, Correspondence; Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

P155: Post-Translational Phosphorylation of Nanog Is Essential to Enhance Bmi-1 Levels and Promote Tumorigenesis; Xiujie Xie, PhD, Longzhu Piao, PhD, Greg Cavey, PhD, Theodoros Teknos, MD, Quintin Pan, PhD; the Ohio State University Medical Center

P156: Identification of a Subpopulation of Nasopharyngeal Carcinoma Cells with Cancer Stem-Like Cell Properties Using High ALDH Activity; Fenggang Yu, PhD, Adrian N Chong, PhD, ChunWei Li, PhD, Yingying Li, PhD, Xuening Zhao, PhD, Paul McCary, PhD, Deyun Wang, PhD, Kwok S Loh, FRCS; Depts Otolaryngology Head & Neck Surgery, Microbiology, National University Health System, Singapore

P157: Lack of Prognostic Effect of Immunohistochemical Biomarkers for Recurrence in 286 Patients with Early Squamous Cell Carcinoma of the Glottic Larynx; Jonathan M Bernstein, FRCS, Catriona M Douglas, MD, Rachel C Hall, FRCPath, Nicholas J Slevin, FRCR, Catharine M West, PhD, Jarrod J Homer, MD, FRCS; Central Manchester University Hospitals NHS Foundation Trust, UK

P158: Methylation of Microrna-9 Is a Specific and Sensitive Biomarker for Oral and Oropharyngeal Squamous Cell Carcinomas; Jacob Minor, Xiaotian Wang, Fang Zhang , John Song, Antonio Jimeno, Xiao-Jing Wang, Xian Lu, Neil Gross, Molly Kulesz-Martin, Daren Wang, Shi-Long Lu; University of Colorado Anschutz Medical Campus

P159: Gene Expression Profiling of Oral Squalors Cell Carcinoma by Differential Display RT-PCR and Identification of Tumor Biomarkers; Sanjukta Chakraborty, PhD, Nagashri M.N, MD, Azeem Mohiyuddin SM, MD, Arun Kumar, PhD, Gopinath Kodaganur, MD; Indian Institute of Science , HCG Bangalore Institute of Oncology and RL Jalappa Hospital and Research Centre

P160: The Role of Micrornas in the Malignant Transformation of Sinonasal Inverted Papilloma; Hiromitsu Hatakeyama, MD, PhD, Yuji Nakamaru, MD, PhD, Akihiro Homma, MD, PhD, Nobuhiko Oridate, MD, PhD, Takatsugu Mizumati, MD, PhD, Satoshi Kano, MD, PhD, Satoshi Fukuda, MD, PhD, Seigo Suzuki, MD, PhD, Tomohiro Sakashita, MD; Hokkaido University

P161: Whole Genome CpG Methylation Evaluation by Non Isotopic Cytosine Extension Assay in the Multistep Carcinogenesis Model of Oral Squamous Cell Carcinoma; Raghu A Radhakrishnan, PhD, Kapaettu Satyamoorthy, PhD; Manipal College of Dental Sciences, Manipal University, Manipal

P162: Global Proteomic Analysis of HNSCC Identifies Prognostic; Jihyeon Lim, PhD, Nicole Kawachi, Peicheng Du, PhD, Edward Nieves, Abdissa Negassa, PhD, Thomas Belbin, PhD, Nicolas Schlecht, PhD, Thomas M Harris, PhD, Richard V Smith, MD, Geoffrey J Childs, PhD, Lizandra Jimenez, Ruth H Angeletti, PhD, Michael B Prystowsky, MD, PhD; Albert Einstein College of Medicine and Montefiore Medical Center

P163: Cancer Cachexia's Metabolic Fingerprint in a Murine Model Confirms a Distinct Entity; Hirak Der-Torossian, MD, MPH, Scott A Asher, MD, Ashley Wysong, MD, Xiaoying Yin, MD, Monte S Willis, MD, PhD, Tom M O'Connell, MD, Marion E Couch, MD, PhD, FACS, MBA; University of Vermont, University of North Carolina

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P164: IL-6 Promotes Head and Neck Tumor Metastasis by Inducing Epithelial-Mesenchymal Transition Via the JAK-STAT3-SNAIL Signaling Pathway; Arti Yadav, MS, Bhavna Kumar, MS, Jharna Datta, PhD, Theodoros N Teknos, MD, Pawan Kumar, MS PhD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University, Columbus, OH

P165: The Inhibition for Cell Migration and Invasion in Oral Cavity Cancers by Matrix Metalloproteases Inhibitors; Shunya Egawa, MD, Shinichi Iwai, MD, PhD, Tomohiro Ono, MD, Takehiko Sambe, MD, Takeshi Hayashi, MD, Kakei Ryu 1, DDS, Toshikazu Shimane, MD, PhD, Katsuji Oguchi, MD, PhD; Department of 1) Pharmacology and 2) Otorhinolaryngology, Showa University School of Medicine, 1-5-8 Hatanoda, Shinagawa-ku, Tokyo, Japan

P166: Comparison of Histological Features Seen in Primary OSCC Sites with N0, N+ECS-Ve and N+ECS+ve Disease and Organotypic Models Using Primary Epithelial and Mesenchymal Cell Lines Derived from the Same Patients; Jagtar Dhanda, MFDS, MRCS, BScHons, Richard Shaw, FRCS, FDS, MD, Janet Risk, PhD, Asterios Triantafyllou, MBS, PhD, Julia Woolgar, MBBS, PhD, Ross Sibson, PhD; University of Liverpool

P167: The Effects of miR-155 on Antigen Processing Machinery in HPV Associated Squamous Cell Carcinoma; J M Chan, MD, A I Wald, MS, H B Jie, PhD, S Khan, PhD, R L Ferris, MD, PhD; University of Pittsburgh Medical Center

P168: Evidence of the Prognostic Significance of Regulatory T Cells Infiltration and Arginase-II Expression in Head and Neck Squamous Cell Carcinoma; Jean-Paul 1 Rivals, PhD, Camilla 3 Jandus, MD, PhD, Valérie 3 Cesson, PhD, Donata 3 Rimoldi, PhD, Walter 2 Seelentag, MD, Snezana 2 Andrejevic-Blant, MD, Daniel 3 Speiser, Prof MD, PhD, Philippe 1 Monnier, Prof MD, Pedro 3 Romero, Prof MD, PhD, Luc 1 Bron, MD; 1 Department of Otolaryngology and Head and Neck Surgery, University Hospital CHUV, Lausanne, Switzerland 2 Institute of Pathology, University Hospital CHUV, Lausanne, Switzerland 3 Ludwig Center for Cancer Research of the University of Lausanne, Switzer

P169: The Role of p63 in DNA Damage Response in HPV Positive Keratinocytes; Michael Moran, MMedSci, MBBChBAO, Simon S McDade, PhD, Adam Pickard, PhD, Daksha Patel, PhD, Jacqueline A James, PhD, FRCPath, Dennis J McCance, PhD; Queen's University Belfast

P170: The Applicability of Murine Orthotopic and Experimental Metastasis Models for Identifying the Mechanisms of Regional and Distant Metastasis of Head and Neck Squamous Cell Carcinoma; Daisuke Sano, MD, PhD, Hiroshi Hyakusoku, MD, Hideaki Takahashi, MD, Goshi Nishimura, MD, PhD, Masahiro Takahashi, MD, PhD, Takahide Taguchi, MD, PhD, Hideki Matsuda, MD, PhD, Jeffrey N Myers, MD, PhD; Yokohama City University Graduate School of Medicine

P171: The SDF-1-CXCR-4-Axis Cell Trafficking in Head and Neck Cancer; A Faber, UR Goessler, J Stern-Straeter; Department of Otorhinolaryngology Head and Neck Surgery, University Medical Centre Mannheim, Theodor-Kutzer-Ufer 1-3, D-68167 Mannheim, Germany

P172: Caspase Mediated Apoptosis Regulation in HNSCC; Regina Maushagen, Ralph Pries, PhD, Barbara Wollenberg, MD; Department of Otorhinolaryngology, University Hospital of Schleswig-Holstein Campus Lübeck, 23538 Lübeck, Germany

P173: Metformin Inhibits Head and Neck Cancer Cell Growth, and Motility Via Aurora-A/AKT Pathway; Hsin-Ting Tsai, MS, Chang-Han Chen, PhD, Chih-Yen Chien, MD, FACS; Kaohsiung Chang Gung Memorial Hospital

P174: RhoC Regulates Cancer Stem Cells in Head and Neck Squamous Cell Carcinoma (HNSCC) by Over- Expressing IL-6 and Phosphorylation of STAT3; Mozaffarul Islam, PhD, Smita Sharma, MS, Theodoros N Teknos, MD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University

P175: The Expression of the CXCL12/SDF-1 Chemokine Receptor CXCR7 in Human Brain Tumour; Tian Tang, Din Lei, Qingjie Xia; West China Medical School, Sichuan University

P176: Expression of EGFR and P-AKT Proteins as Predicitive Factors of Therapeutic Response to Erlotinib Combined with Cisplatin and Radiotherapy in Locally Advanced Squamous Cell Carcinoma of the Head and Neck; Izabella C Santos, PhD, MD, Daniel Herchenhorn, PhD, MD, Fernando L Dias, PhD, MD, Pedro Michaluart, PhD, MD, Paulo a Farias, MD, Vagner Bernardo, Davy Raposo, PhD, Tatiana Simão, PhD, Paulo T Santos, Luís Felipe R Pinto, PhD; Brazilian National Cancer Institute-INCA (MS/RJ)

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P178: Suberoylanilide Hydroxamc Acid (SAHA)-Mediated Reactivation of Tumor Suppressor Micrornas in Head and Neck Cancer; Jharna Datta, PhD, Samidha Dutta, Theodoros N Teknos, MD, Quintin Pan, PhD; Department of Otolaryngology-Head and Neck Surgery, The Ohio State University Medical Center; Arthur G. James Cancer Hospital and Richard J. Solove Research Institute, The Ohio State University Comprehensive Cancer Center

P179: Genomic Analysis of Oral Cavity Squamous Cell Carcinoma Identifies Frequent Chromosomal Abnormalities and an Association Between Loss of Chromosome 8P and Increased Extracapsular Spread with Reduced Survival; Elsa Cortez, BS, Mitchell J Frederick, PhD, David M Neskey, MD, Jiexin Zhang, MS, Jing Wang, PhD, Jeffrey N Myers, MD, PhD, Curtis R Pickering, PhD; UT MD Anderson Cancer Center, Houston, Texas, United States

P180: Nucleolin Mediates the Binding of Cancer Cells to L-Selectin Under Conditions of Lymphodynamic Shear Stress; Tovë M Goldson, MD, PhD, Andres F Oberhauser, PhD, Susan M Fennewald, PhD, Vicente a Resto, MD, PhD; UTMB Health, Galveston, Texas, USA

P181: Tumor Manipulations Can Increase Circulating Tumor Cell Count; Vladimir P Zharov, PhD Professor, Ekaterina I Galanzha, PhD Assoiciate Professor, Mazen a Juratli, James Y Suen, MD Professor; Univ. of Arkansas for Medical Sciences, Little Rock, AR

P182: Myeloid-Derived Suppressor Cells (MDSCS) in the Mechanism of Anti-Tumor Effects of Iressa (Gefitinib); Mikhail M Gorbounov, David Vasquez-Dunddel, Young J Kim, MD, PhD; Johns Hopkins School of Medicine

P183: Oropharyngeal Cancer: Significance of HPV16 Detection in Cervical Lymph Nodes; Haïtham Mirghani, MD, Frederique Moreau, MD, Marine Lefebvre, MD, Chong Tam, sophie Perie, MD, PhD, patrick Soussan, MD, PhD, Jean Lacau St Guily; University Pierre et Marie Curie Paris VI and Hospital Tenon Assistance Publique Hôpitaux de Paris, France

P184: Radiosensitivity Evaluation in Head and Neck Cancer Patients after Radiotherapy; Ocrizio Neto, MS, Cristiana Luciano, MSc, Hellen Cintra, Msc, Ana Carvalho, MSc, Juliana Pinezi, MD, Renata Soares, PhD; Associação de Combate ao Câncer em Goiás, Laboratório de Oncogenética e Radiobiologia, Goiânia, Goiás, Brazil

P185: Human Papillomavirus-16 Co-opts P300 to Sensitize Cancer Initiating Cells to Cis-Platinum Therapy; Manchao Zhang, PhD, Hongpeng Liu, PhD, Longzhu Piao, PhD, Sanjay Bhave, PhD, Tizhi Su, PhD, Xiujie Xie, PhD, Matthew Old, MD, Theodoros Teknos, MD, Quintin Pan, PhD; the Ohio State University Medical Center

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P187: Dietary Intake Is Associated with Tumor Suppressor Dna Methylation in Head and Neck Squamous Cell Carcinomas; Anna Arthur, MPH, RD, Justin Colacino, MPH, Sonia Duffy, PhD, RN, Dana Dolinoy, PhD, Jeffrey Terrell, MD, Maureen Sartor, PhD, Douglas Chepeha, Jon McHugh, MD, Gregory Wolf, MD, Thomas Carey, PhD, Karen Peterson, ScD, Laura Rozek, PhD; The University of Michigan

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P189: An Independently Validated DNA Methylation Signature Predictive of Nodal Metastasis in OCSCC; Roberto a Lleras, MS, Leslie R Adrien, MS, Richard V Smith, MD, Christopher Keller, MD, Cathy Sarta, MD, Nicholas F Schlecht, PhD, Geoffrey M Childs, PhD, Michael B Prystowsky, MD, PhD, Thomas J Belbin, PhD; Albert Einstein College of Medicine and Montefiore Medical Center

P190: MicroRNA 138 Modulates Expression of RhoC in Head and Neck Squamous Cell Carcinoma; Mozaffarul Islam, PhD, Jharna Datta, PhD, Theodoros N Teknos, MD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University

P191: Black (Dark) Regional Lymph Nodes Metastases in Papillary Thyroid Carcinoma Suggest More Advanced or Aggressive Disease; Juanita J Evans, MD, Henry S Crist, MD, Haresh Mani, MD, David Goldenberg, MD, FACS; Penn State University College of Medicine

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P193: Signatures of Gene Expression Associated with Response to Radiation in HNSCC; Shira L Koss, Roberto A Lleras, Madhur K Garg, MD, Bradley A Schiff, MD, Missak Haigentz, MD, Michael B Prystowsky, MD, PhD, Thomas J Belbin, PhD, Nicolas F Schlecht, PhD, Richard V Smith, MD; Montefiore Medical Center, Bronx, NY, USA

P194: Microrna200 Family Suppress Epithelial–Mesenchymal Transition and Migration by Targeting ZEB1 in Head and Neck Squamous Cell Carcinoma; Shunji Tamagawa, Levent Beder, Kazuya Yata, Mehmet Gunduz, Akihisa Togawa, Muneki Hotomi, Shinji Tamura, Reidar Grenman, Noboru Yamanaka; Department of Otolaryngology-Head and Neck Surgery, Wakayama Medical University, Wakayama, Japan

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P196: Preclinical Investigation of Anti-CD147 and EGFR Signaling in Cutaneous Squamous Cell Carcinoma; J W Frederick, BS, L Sweeny, MD, Y Hartman, BS, E L Rosenthal, MD; The University of Alabama at Birmingham

P197: Temporal Characterization of Regional Lymphatic Metastasis in an Orthotopic Mouse Model for Oral Squamous Cell Cancer; Peter Szaniszlo, MD, PhD, Susan M Fennewald, PhD, Suimin Qiu, MD, PhD, Gracie Vargas, PhD, Tuya Shilagard, MS, Carla Kantara, BS, Vicente a Resto, MD, PhD; UTMB Health, Galveston, Texas

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P199: The Functional and Clinical Significance of Lgr6 Expression in Head and Neck Squamous Cell Carcinoma; Marcus M Monroe, MD, Neil D Gross, MD, Peter E Andersen, MD, Melissa H Wong, PhD; Oregon Health and Science University

P200: Expression of Small Proline-Rich Proteins (SPRRS) in Head and Neck Squamous Cell Carcinoma; Fernanda Carregaro, Master in Science, Flavia Rodrigues-Lisoni, PhD, Bianca R Cunha, Master in Science, Monica B Mathor, PhD, Head and Neck Genome Project GENCAPO, Eloiza H Tajara, PhD; School of Medicine of São José do Rio Preto

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P202: Association Study of Chemokine (C-C Motif) Ligand 5 Gene Polymorphism and Papillary Thyroid Cancer; Young Gyu Eun, MD, Kee Hwan Kwon, MD, PhD, Seung Woo Kim, MD; Kyung Hee University and Seoul Veterans Hospital

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P204: Relationship Between Human Papillomavirus and Interferon-Inducible IFI16 in Squamous Cell Carcinoma of the Oropharynx; Yamauchi Moriyasu, MD, PhD, Torahiko Nakasima, MD, PhD, Satoshi Toh, MD, PhD, Shizuo Komune, MD, PhD; Kyushu University

P205: Correlation of Tumor-Associated Antigens MAGE, NY-ESO-1 and P53 Expression with Clinical and Pathological Relationships of Patients with Oral Squamous Cell Carcinoma; Jean-Paul 1 Rivals, PhD, Kishore 1 Sandu, MD, Snezana 2 Andrejevic-Blant, MD, Donata 3 Rimoldi, PhD, Daniel 3 Speiser, Prof MD, PhD, Pedro 3 Romero, Prof MD, PhD, Philippe 1 Monnier, Prof MD, Luc 1 Bron, MD; 1 Service of Head and Neck surgery, University Hospital, Lausanne, Switzerland 2 Institute of Pathology, University Hospital (CHUV), Lausanne, Switzerland 3 Ludwig Institute for Cancer Research, Lausanne Branch, University Hospital (CHUV), Switzerland

P206: The Oncologic Impact of HPV Infection in Nasopharyngeal Cancer Patients; Seung Jae Baek, MD, Sei Young Lee, MD, Jun Yeon Hwang, MD, Se-Heon Kim, MD; Yonsei University College of Medicine, Kwan Dong University, MyongJi Hospital,Chung-Ang University College of Medicine, Seoul Veterans Hospital

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P208: Caveolin-1 Expression in Squamous Cell Carcinoma of the Oral Cavity; Julie A Ames, MD, Aileen Butera, BA, Madalina Tuluc, MD, Joseph Curry, MD, Ubaldo Martinez-Outschoorn, MD, Federica Sotgia, PhD, Diana Diana Whitaker-Menezes, PhD, Renee Balliet, PhD, David Cognetti, MD, Michael P Lisanti, MD, PhD; Thomas Jefferson University

P209: The Anti-Cancer Effect of Celecoxib Through the Endoplasmic Reticulum(ER) Stress Response in Head and Neck Squamous Cell Carcinoma(HNSCC) Cell Lines; Wonjae Cha, MD, Seungno Hong, MD, Chang Myeon Song, MD, J.Hun Hah, MD, Tack-Kyun Kwon, MD, PhD, Kwang Hyun Kim, MD, PhD, Myung-Whun Sung, MD, PhD, Hyo Geun Choi, MD, Hee-Jin Kim, MD, Won Yong Lee, MD; Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University School of Medicine, Seoul, Korea

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P212: Expression of Proteasome Activator REG in Human Laryngeal Carcinoma and Its Association with Tumor Suppressor Proteins; Yuedi Tang, Liping Li, Weibo Cheng; Department of Otolaryngology Head and Neck, West China Hospital of Sichuan University

P213: Identification of Candidate Nasopharyngeal Carcinoma Serum Biomarkers by Cancer Cell Secretome and Tissue Transcriptome Analysis: Potential Usage of Cystatin a for Predicting Nodal Stage and Poor Prognosis; Kai-Ping Chang, MD, PhD, Jau-Song Yu; Chang Gung Memorial Hospital & Chang Gung Universitiy

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P215: Expression of Angiogenic Growth Factors in Laryngeal Carcinoma: Prognostic Relevance; Tirupati S Korampalli, Victoria Green, Stafford Nicholas, John Greenman; PGMI, University of Hull, UK

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P217: Expression of Matrix Metalloproteinases in Head and Neck Squamous Cell Carcinoma with Cervical Nodal Metastasis; Hakjun Kim, MD, Bonseok Koo, MD, PhD, Yeohoon Yoon, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, Chungnam National University Hospital, Dajeon, South Korea

P218: Leptin Overexpression Is Associated with Tumor Progression and a Poor Prognosis in Nasopharyngeal Carcinomas; Sheng-Dean Luo, MD, Chung-Feng Hwang, MD, Chih-Yen Chien, MD, FACS, Chang-Han Chen, PhD; Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

P219: Immunohistochemical Correlation of MMP-2 and TIMP-2 in Leukoplakia with Dysplasia; Raghu Radhakrishnan, Dipshikha Bajracharya, Bijayata Shrestha; Manipal College of Dental Sciences, Manipal University, Manipal

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P221: Evaluating the Expression of Mismatch Repair Protein MLH-1 in Primary Indian Oral Squamous Cell Carcinomas- An Immunohistochemical Study; Monica C Solomon, MDS, Ankur Singh, MDS; Manipal College of Dental Sciences, Manipal, Manipal University

P222: WNT Molecular Markers Are Associated with Multiple Primary Oral Squamous Cell Carcinoma (OSCC) and Poor Prognostic Features; Sabrina D Silva, PhD, Faisal a Alobaid, MD, Moulay Alaoui-Jamali, PhD, Michael P Hier, MD, FRCSC, Alex Mlynarek, MD, FRCSC, Fernando a Soares, MD, PhD, Luiz P Kowalski, MD, PhD; Department of Head and Neck Surgery and Otorhinolaryngology, A.C. Camargo Hospital, Sao Paulo, Brazil. Mcgill University, Otolaryngology Head and Neck Surgery, Montreal, Canada

P223: EMT-Associated Genes Are Predominant Predictive Markers and Potential Therapeutic Targets for Invasive Oral Cancer; Sabrina Daniela Silva, PhD, Moulay a Alaoui-Jamali, PhD, Fernando Augusto Soares, PhD, Dirce Maria Carraro, PhD, Helena Paula Brentani, PhD, Michael P. Hier, PhD, Silvia Regina Rogatto, PhD, Luiz Paulo Kowalski, PhD; AC Camargo Hospital and McGill University

P224: Expression of Epithelial Na Channel(ENaC) in Chronic Obstructive Sialadenitis of the Human Submandibular Gland; Jae-Gu Cho, MD, Seung-Kuk Baek, MD, Soon-Young Kwon, MD, Kwang-Yoon Jung, MD, Jeong-Soo Woo, MD; Department of Otolaryngology–Head and Neck Surgery, Korea University College of Medicine

P225: Identifying Novel Genes Critical to Invasion in Head and Neck Squamous Cell Carcinoma; Sangeeta K Jayakar, MS, Olivier D Loudig, PhD, Margaret Brandwein-Gensler, MD, Ryung S Kim, PhD, Michael B Prystowsky, MD, PhD, Jeffrey E Segall, PhD, Thomas J Belbin, PhD; Albert Einstein College of Medicine

P226: Retrospective Analysis of Tumor Infiltrating Leukocytes of Head and Neck Squamous Cell Carcinoma Patients; Ronen Nazarian, MD, Donald T Weed, MD, Paolo Serafini, PhD, Adriana C De la Fuente, MSc, Felix Roth, PhD, Bjorn Herman, MD, Carmen Gomez, MD, Gail Walker, PhD, Jennifer Vella, MSc; University of Miami - Department of Otolaryngology Head and Neck Surgery. Miami, Florida

P227: Human Papillomavirus (HPV) Genotypes in a Subset of Head and Neck Squamous Cell Carcinoma (HNSCC); B. Dzudzor, PhD, G Kaba, BSc MPhil, R.H. Asmah, MPhil, Dip, E.K. Wiredu, MBChB, FRCPath, MIAC, FWACP, FGCP, C.A. Brown, PhD, W. Kudzi, PhD, R.K Gyasi, MBChB, DCP, FWACP, FGCP; University of Ghana

P228: Validating a Human-In-Mouse Modeling of HNSCC to Predict Response to Therapy; Andrew B Sewell, MD, Micah S Mosely, MD, Natalia Isaeva, PhD, Jose M Godoy, MD, Zhirong Yin, MD, PhD, Brandee T Brown, BS, Emanuel F Petricoin, PhD, Dan Liu, BS, Michelle Q Pham, BS, Barbara A Murphy, MD, Jill Gilbert, MD, James L Netterville, MD, Robert J Sinard, MD, Kyle Mannion, MD, Sarah L Rohde, MD, Wendell G Yarbrough, MD; Vanderbilt University School of Medicine, Nashville TN; George Mason University, Fairfax VA

P229: Network Analysis Reveals That Tp53 Repression Augments Mirna-Target Genes in Oral Cancer; Sanga Mitra, MSc, Smarajit Das, PhD, Satyabrata Sahoo, PhD, Jayprokas Chakrabarti, PhD; Indian Association for the Cultivation of Science

P230: EGFR and p-Gp Expression in Oropharyngeal Mucosa of Cancer Patients and Controls in Relationship to Smoking Status and HPV Association of the Tumors; Philipp Baumeister, MD, Christian Welz, MD, Maximilan Reiter, MD, Ulrich Harréus, MD, PhD; Department of ORL, HNS, University Munich

P231: Micro-Array Analysis Reveals a Set of Novel Genes, Modulated by MiRNA Activity in Human Head and Neck and Oral Cancer; Smarajit Das, Sanga Mitra, Satyabrata Sahoo, Jayprokas Chakrabarti; Indian Association for the Cultivation of Science

P232: MicroRNA-375 Regulates Tumor Invasion and Metastasis Phenotypes and Is Associated with Poor Outcome in Head and Neck Squamous Cell Carcinoma; Lizandra Jimenez, MS, Thomas M Harris, PhD, Nicole Kawachi, MS, Thomas J Belbin, PhD, Jihyeon Lim, PhD, Richard V Smith, MD, Michael B Prystowsky, MD, PhD, Nicolas F Schlecht, PhD, Jeffrey E Segall, PhD, Geoffrey Childs, PhD; Albert Einstein College of Medicine and Montefiore Medical Center

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P234: The Role of S100-Positive Dendritic Cells in the Prognosis of Papillary Thyroid Carcinoma; Ohad Hilly, MD, Rumelia Koren, MD, Raanan Raz, PhD, Lea Rath-Wolfson, MD, Aviram Mizrachi, MD, Yaniv Hamzany, MD, Gideon Bachar, MD, Thomas Shpitzer, MD; Departments of (1) Otolaryngology - Head and Neck Surgery and (2) Pathology, Rabin Medical Center, Petach Tikva, (3) Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

P235: Cancer Stem Cells in Head and Neck Squamous Cell Carcinoma; Christina Karamboulas, Keira Pereira, Ella Hyatt, Laurie Ailles; University Health Network

P236: A Thermoplastic Vest to Prevent Self Mutilation in Experimental Flap Surgery in Rats; Eli A Gordin, MD, Sarah M Drejet, BS, Ryan N Heffelfinger, MD; Thomas Jefferson University Hospital - Department of Otolaryngology - Head and Neck Surgery

P237: TLR Mediated mTOR Signaling Cascades in HNSCC; Kim-Ninja Schroeder, Ralph Pries, PhD, Barbara Wollenberg, MD; Department of Otorhinolaryngology, University Hospital of Schleswig-Holstein Campus Lübeck, 23538 Lübeck, Germany

P238: Cancer Stem Cell and Macrophage Marker Variations in Primary and Recurrent Oral Squamous Cell Carcinomas; Darshni Vira, MD, Saroj Basak, PhD, Chi Lai, MD, Michael C Fishbein, MD, Raj K Batra, MD, Eri Srivatsan, PhD, Marilene B Wang, MD; University of California, Los Angeles

P239: Phenotypic Analysis of Cancer Stem Cell Like Cells Derived from Head and Neck Squamous Cell Carcinoma Cell Lines with Matrigel and Non-Adherent Culture Method; Takahiro Wakasaki, Muneyuki Masuda, Shizuo Komune; Department of Otorhinolaryngology, Graduate School of Medical Sciences, Kyushu University

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P243: Role of Survivin in Predicting Sensitivity to Targeted Therapy in Head and Neck Squamous Carcinoma; Amir Allak, MD, Yemisi Afere, BS, Ashraf Khalil, MD, PhD, Mark J Jameson, MD, PhD; University of Virginia Health System

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P245: Rescue and Enhancement of Oncolytic HSV Therapy Via Copper Chelation with ATN-224 in Head and Neck Squamous Cell Carcinoma; Matthew Old, MD, Jun-Ge Yu, MD, Ji Y Yoo, Azeem Kaka, Theodoros Teknos, MD, Balveen Kaur, PhD; The Ohio State University, Department of Otolaryngology-Head and Neck Surgery, Dardinger Laboratory of Neurosciences, Department of Neurological Surgery, The Ohio State University Comprehensive Cancer Center, Arthur James Cancer Hospital

P246: The Interruption of the MRN Complex and Disruption of Telomere Maintenance Sensitizes Radiotherapy in Human Head and Neck Cancer; Jun Zheng, MD, Ziying Han, PhD, Shayanne A Lajud, MD, Shunsuk Miyamoto, MD, Anas Mouchli, MD, Orysia Bezpalko, Bert W O'Malley Jr., MD, Daqing Li, MD; Department of Otorhinolaryngology-Head and Neck Surgery, University of Pennsylvania School of Medicine

P247: Evaluation of Tinospora Cordifolla for Its Radio-Protective Potential in Head & Neck Carcinoma Patients & Its Effect on Pharmacokinetics of 5-FU; Arpana Rathod, Shantiprakash Srivastav, MD, Bhasker Vakharia, MD, Meghna Adhvaryu, PhD; Shree Ramkrishna Institute of Computer Education & Applied Sciences, Surat, Lion's Cancer Research Centre, Surat, Bhuma Research in Ayurvedic & Herbal Medicine

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P250: Synthetic Lethality of PARP-1 Inhibitors & MRN Disruption as a New Treatment Modality for HNSCC; Shayanne A Lajud, MD, Taku Yamashita, MD, PhD, Jun Zheng, MD, PhD, Orysia Bezpalko, Anas Mouchli, MD, Daqing Li, MD, Bert W O'Malley Jr., MD; Department of Otorhinolaryngology-Head & Neck Surgery, University of Pennsylvania School of Medicine, Philadelphia, PA, USA

P251: Hypoxia-Inducible Factor 1A (HIF-1A) Induces Epithelial-Mesenchymal Transition (EMT) in Thyroid Cancer Cell Lines; Yoon Woo Koh, MD, PhD, Won Shik Kim, MD, Hyoung Shin Lee, MD, So Yoon Lee, MD, Ryu Miran, MD, Jae Wook Kim, MD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngolgoy, Yonsei University College of Medicine, Seoul, South Korea Department of Otolaryngology-Head and Neck Surgery, Soochunhyang University College of Medicine, Seoul, South Korea

P252: Glycolytic Inhibition Alters Anaplastic Thyroid Carcinoma Tumor Metabolism and Improves Response to Conventional Chemotherapy and Radiation; Vlad C Sandulache, MD, PhD, Heath D Skinner, MD, PhD, Yuan Wang, BS, YunYun Chen, PhD, Cristina T Dodge, MS, Thomas J Ow, MD, James A Bankson, PhD, Jeffrey N Myers, MD, PhD, Stephen Y Lai, MD, PhD; Bobby R. Alford Department of Otolaryngology Head and Neck Surgery Baylor College of Medicine, Department of Head and Neck Surgery University of Texas M.D. Anderson Cancer Center

P253: Gene Silencing with siRNA E6/E7 in HPV Related Head and Neck Cancer; Naoki Otsuki, MD, PhD, Zainal Adhim, MD, Junko Kitamoto, PhD, Ken-ichi Nibu, MD, PhD; Kobe Graduate School of Medicine

P254: Folate Receptor-Targeting Ternary Nanoparticles for Anti-Angiogenesis and Tumor Growth Inhibition; Kwang Jae Cho, MD, Choung Soo Kim, MD, Min Sik Kim, MD, Kang Moo Huh, PhD, Yong-kyu Lee, PhD; Department of Otolaryngology, Head & Neck Surgery, The Catholic University of Korea; Department of Applied Chemistry & Biological Engineering, Chungnam National University; Department of Chemical and Biological Engineering, Chungju National University

P255: Novel Biologically Active Protein Doped Polymers as Treatment of Radiation/Burn Induced Dermatitis; Lynn Sigurdson, PhD, Amber Woral, PhD, Jennifer Apawu, PhD, Vishal Gupta, MD, Frank Bright, PhD, Alex Cartwright, PhD, David Cohan, MD, Joseph Gardella, PhD, Robert Hard, PhD, Anu Singh, MD, Bahattan Koc, PhD, Chih-Chang Chu, PhD; Roswell Park Cancer Institute, Buffalo, NY 14263 USA/State University of New York @ Buffalo, Buffalo, NY 14260, USA/ Cornell University, Ithaca, NY 14843 USA

P256: Analysis of Combinatorial Effect of Multikinase Inhibitor (Sorafenib, Sunitinib) or Cetuximab with MEK or MTOR Inhibitors in Human Head and Neck Cancer Cells; Yoon Woo Koh, MD, PhD, Won Shik Kim, MD, Hyoung Shin Lee, MD, Miran Ryu, Jae Wook Kim, MD, Eun Chang Choi, MD, PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

P257: Inconsistencies in the Application of Adjuvant Therapy after Transoral Robotic Surgery (TORS) for HPV-Associated Oropharynx Squamous Cell Carcinoma; Kara Y Detwiller, MD, Daniel R Clayburgh, MD, PhD, Will J Stott, Teresa Kochanowski, ANPC, Peter E Andersen, MD, Neil D Gross, MD; Oregon Health and Science University

P258: Improvement of Vocal Cord Fixation after Induction Chemotherapy Indicates the Possibility of Laryngeal Preservation in Patients with T3 Hypopharyngeal Carcinoma; Masanori Teshima, MD, Shigemichi Iwae, PhD, Yuji Hirayama, MD, Hidetoshi Matsui, MD, Tatsuya Furukawa, MD; Depatment of Head and Neck Surgery, Hyogo Cancer Center

P259: Engineering an Artificial Salivary Gland; Swati Pradhan Bhatt, PhD, Daniel a Harrington, PhD, Kenneth Kirschner, MS, Xian Xu, BS, Randall L Duncan, PhD, Mary C Farach-Carson, PhD, Xinqiao Jia, PhD, Robert L Witt, MD; Department of Biological Sciences, University of Delaware, Newark, DE, USA; Biochemistry and Cell Biology, Rice University, Houston TX; Materials Sciences & Engineering, University of Delaware, Newark, DE; Christiana Care Health Systems, Newark, DE, USA

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P260: A Significant Overexpression of the Merkel Cell Polyomavirus (MCPYV) Large T-Antigen in Merkel Cell Carcinoma; Boban M Erovic, Ayman Al Habbeb, MD, Luke Harris, MD, David P Goldstein, MD, Danny Ghazarian, MD, Jonathan C Irish; Department of Otolaryngology-Head and Neck Surgery/Surgical Oncology, and Department of Laboratory Medicine and Pathobiology, University Health Network, Princess Margaret Hospital, Toronto, Ontario, Canada

P261: Metronomic Dosing of BH3 Mimetic Small Molecules Yields Robust Anti-Angiogenic and Anti-Tumor Effects; Atsushi Imai, MD, Benjamin D Zeitlin, PhD, Zhihong Dong, MD, PhD, Zhaocheng Zhang, MD, PhD, Fernanda Visioli, DDS, Sudha Krishnamurthy, DDS, PhD, Emily Light, MS, Frank Worden, MD, Shaomeng Wang, PhD, Jacques E Nör, DDS, PhD; University of Michigan; Fujieda Municipal General Hospital; University of the Pacific

P262: Panobinostat Inhibits PLK1 Expression Resulting in G2 Arrest/Delay; Michael B Prystowsky, MD, PhD, Nicole Kawachi, MS, Katherine M Feeney, PhD, Olivier Loudig, PhD, Peter Atadja, PhD, Michelle K Wilmott, BSc, Cristina Montagna, PhD, Maciej Antkowiak, PhD, Joanna L Parish, PhD; Albert Einstein College of Medicine, University of St Andrews, Novartis

P263: Antagonizing CBP/Beta-Catenin Signaling by ICG-001, A Small Molecule Inhibitor, Enhanced Radiation Sensitivity and Increased Sensitivity to Cetuximab in Head and Neck Squamous Cell Carcinoma; Vicky Yamamoto, Rohit Khanna, Michael Kahn, Vijay Kalra, Uttam Sinha; Keck School of Medicine of USC

P264: Conventional Radiotherapy vs. Concurrent Chemoradiotherapy vs. Accelerated Radiotherapy in Locoregionally Advanced Carcinoma of Head & Neck:€A Updated Clinical Audit; Sarbani Ghosh-Laskar, MD, Nikhil Kalyani, MBBS, Ashwini Budrukkar, MD, Tejpal Gupta, MD, Vedang Murthy, MD, Anil D'cruz, MS, Jai Prakash Agarwal, MD; Tata Memorial Hospital, Mumbai,India

P265: Proton Therapy of Cancers of the Nasal Cavity and Paranasal Sinuses: The UFPTI Experience; Robert S Malyapa, MD, William M Mendenhall, MD, Daniel Yeung, PhD, Craig McKenzie, CMD, Zuofeng Li, DSc, Christopher G Morris, Nancy P Mendenhall, MD, Paul Okunieff, MD; University of Florida Proton Therapy Institute, Jacksonville, Florida, USA

P266: Correlation of Gross Tumor Volume and Brachial Plexus Dose in Head and Neck Cancer IMRT; Paul B Romesser, MD, Muhammad M Qureshi, MBBS, Nataliya Kovalchuk, PhD, Minh T Truong, MD; Boston University School of Medicine

P267: Molecular Profiling of Sinonasal Undifferentiated Carcinoma; Alexander Gelbard, MD, Katherine S Hale, PhD, Michael E Kupferman, MD, Michael A Davies, MD, PhD, Jeffrey N Myers, MD, PhD, Adel K El-Naggar, MD, PhD, Ehab Y Hanna, MD; Baylor College of Medicine, MD Anderson Cancer Center

P268: MicroRNA Profiling of Celecoxib Toxicity in Squamous Cell Carcinoma of the Head and Neck; Jonathan M Bock, MD, Kay Wrege, BS; Medical College of Wisconsin, Milwaukee, WI, USA

P269: A Phase I Dose Escalation Trial of SRS Boost Treatment of Human Papillomavirus (HPV)-Unassociated Oropharyngeal Squamous Cell Carcinoma (OPSCC); David L Schwartz, MD, Sara Parise, RN, Vinh Nguyen, MD, John Fantasia, MD, PhD, Benjamin Saltman, MD, Doug Frank, MD; Hofstra North Shore-LIJ School of Medicine

P270: Combination of Docetaxel T), Cisplatin (P), 5-Fluorouracil (F) and Erbitux (E): Superiority of TPE Over TPF in Ex-Vivo Treatment of Head and Neck Squamous Cell Carcinomas (HNSCC); Gunnar Wichmann, PhD, Valeria Geister, Julia Termühlen, Anett Reiche, Kristin Herrmann, Andreas Boehm, MD, Andreas Dietz, Prof PhD, MD; Dept. of Otolaryngology, Head and Neck Surgery, University Hospital Leipzig, Liebigstraße 10-14, 04103 Leipzig, Germany

P271: Integrin-Expression in Radiation-Induced Non-Healing Dermal Wounds of the Head and Neck; Ulrich R Goessler, MD, PhD, Karl Hormann, MD; Dept. of ORLHNS, Mannheim

P272: Photodynamic Therapy on Anaplastic Thyroid Cancer Cell Line; Phil-Sang Chung, MD, PhD, Jeong-Hwan Moon, MD, Kun-Woo Kim, MD, Sang Joon Lee, MD, PhD; Dept. of Otolaryngology-Head and Neck Surgery, Dankook University Hospital

P273: Gold Nanoparticles as a Nanocarrier of Epithelial Growth Factor Receptor Have Cytostatic Effect in Oral Cancer Model; Krista Rodriguez-Bruno, MD, Joseph O Humtsoe, PhD, Eric Pham, BA, Ivan H El-Sayed, MD; Univeristy California San Francisco

P274: Clinical Analysis of the Combined Therapy with Superselective Transarterial High-Dose Cisplatin Infusion, Concomitant Radiotherapy and Surgery for Advanced Squamous Cell Carcinoma of Maxillary Sinus; Shuji Koike, MD, Takashi Nasu, MD, Akihiro Ishida, MD, Daisuke Noda, MD, Seiji Kakehata, MD; Department of Otolaryngoloy-Head and Neck Surgery, Yamagata University Hospital

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P275: Analysis of Pre-Treatment Body Mass Index to Predict Survival after Tri-Modal Therapy for Advanced Oral Cavity Cancer with Mandible Invasion; Larry L Myers, MD, FACS, Baran D Sumer, MD, John M Truelson, MD, Lucien Nedzi, MD, John S Yordy, MD, Steve Perkins, MD, Randall S Hughes, MD, Chul Ahn, PhD; University of Texas Southwestern Medical Center

P276: Targeting Survivin (BIRC5) with YM155 for the Treatment of Head and Neck Squamous Cell Carcinoma; Bhavna Kumar, MS, Arti Yadav, MS, Theodoros N Teknos, MD, Pawan Kumar, MS, PhD; Department of Otolaryngology-Head and Neck Surgery and Comprehensive Cancer Center, The Ohio State University, Columbus, OH

P277: Metronomic Chemotherapy and Surrogate Anti-Angiogenesis Marker in Patients of Head & Neck Cancer; Yi-Shing Leu, MD, Yi-Fang Chang, MD, MSc; Mackay Memorial Hospital, Cancer Center, Head&Neck oncology Team (ENT, Medical Oncology)

P278: Metformin Decreases Recurrence Time for Patients with Diabetes and Early Tnm Stage Oral Cavity and Oropharyngeal Squamous Cell Carcinoma; Christopher Thompson, MD, Brandon Kim, BS, Kimanh Nguyen, MD, Tristan Grogan, MS, Amanda Martin, Chi Lai, MD, David Elashoff, PhD, Marilene Wang, MD, Maie St. John, MD, PhD; University of California Los Angeles Medical Center

P279: Clinical Comparison of VMAT and IMRT for Treating Head and Neck Cancer; Matthew T Studenski, PhD, Voichita Bar-Ad, MD, Amy S Harrison, MS; Jefferson Medical College of Thomas Jefferson University

P280: Does Doxycycline Treatment of Epidermal Growth Factor Receptor (EGFR) Inhibitor Rash Also Have an Anti-Tumor Effect? Preliminary Evidence from Cell Culture Studies; David Palma, MD, PhD, Peter Ferguson, PhD, Rene Figuredo, MSc, Anthony Nichols, MD, Eric Winquist, MD, MSc, Scott Ernst, MD, James Koropatnick, PhD; Department of Oncology, University of Western Ontario, and Lawson Health Research Institute, London Health Sciences Centre, London, Ontario, Canada

P281: The Effects of Cilengitide in Head and Neck Squamous Cell Carcinoma Cell Lines; Gregor Heiduschka, Veronika Kranebitter, Sven Schneider, Ulana Kotowski, Dietmar Thurnher, Markus Brunner; Medical University of Vienna, Dept. of Otolaryngology - Head and Neck Surgery

P282: Cetuximab as an Alternative Treatment Modality in Elderly Patients with Locally Advanced Head and Neck Squamous Cell Carcinoma; Moein Alizadeh, BSc, MD, Alexandra Zabeida, Louise Lambert, MD, Louis Guertin, MD, Tareck Ayad, MD, Apostoulos Christopoulos, MD, Manon Bélair, MD, Edith Filion, MD, Denis Soulières, MD, Félix P Nguyen-Tan, MDCM; Centre Hospitalier de l'Université de Montréal, Université de Montréal

P283: The Role of EGFR-Related Pathways for Cellular Radiosensitivity of HNSCC; Simon Laban, MD, Leonhard Steinmeister, Rainald Knecht, MD, PhD, Ulla Kasten-Pisula, PhD, Jarob Saker, PhD, Ekkehard Dikomey, PhD, Malte Kriegs, PhD; University Medical Center Hamburg, Department of Otorhinolaryngology and Head and Neck Surgery, Laboratory for Radiation Biology and Experimental Radiooncology

P284: The Receptors-Independent Anti-Cancer Effect of Anandamide in Head and Neck Squamous Cell Carcinoma Cells; Wonjae Cha, MD, Seok-Woo Park, MD, Seungno Hong, MD, Chang Myeon Song, MD, J.Hun Hah, MD, Tack-Kyun Kwon, MD, PhD, Kwang Hyun Kim, MD, PhD, Myung-Whun Sung, MD, PhD, Hyo Geun Choi, MD, Hee jin Kim, Kim, Won Yong Lee, MD; 1Department of Otorhinolaryngology-Head and Neck Surgery, 2Cancer Research Institute, Seoul National University School of Medicine, Seoul, Korea

P285: The Efficacy of Superselective Intra-Arterial Infusion with Concomitant Radiotherapy for Adenoid Cystic Carcinoma of the Head and Neck; Akihiro Homma, MD, PhD, Nobuhiko Oridate, MD, PhD, Tomohiro Sakashita, MD, Seigo Suzuki, MD, PhD, Hiromitsu Hatakeyama, MD, PhD, Satoshi Kano, MD, PhD, Takatsugu Mizumachi, MD, PhD, Daisuke Yoshida, MD, Rikiya Onimaru, MD, PhD, Kazuhiko Tsuchiya, MD, Koichi Yasuda, MD, Hiroki Shirato, MD, PhD, Satoshi Fukuda, MD, PhD; Department of Otolaryngology- Head & Neck Surgery, Hokkaido University Graduate School of Medicine

P286: Compliance to Weekly Concurrent Chemo-Radiotherapy in Head and Neck Squqmous Cell Carcinomas € Experience from a Tertiary Cancer Centre in India; Aman Sharma, MD, Manoj Behera, MD, Renu Madan, MD, Alok Thakkar, MS, Suman Bhaskar, MD, Atul Sharma, MD, BK Mohanti, MD, GK Rath, MD; Dr. B.R. Ambedkar Institute Rotary Cancer Hospital, All India Institute of Medical Sciences (AIIMS), New Delhi, India

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P287: Concurrent Therapy with Taxanes Versus Non-Taxane Containing Regimens in Locally Advanced Squamous Cell Carcinomas of the Head and Neck (SCCHN); A Comparative Analysis; Madhusmita Behera, Scott Kono, Taofeek K Owonikoko, Zhengjia Chen, Jonathan J Beitler, Suresh S Ramalingam, Dong M Shin, Fadlo R Khuri, Nabil F Saba; Winship Cancer Institute of Emory University

P288: Radiation Oncology Practice Patterns Between Academic and Community Centers; Gregory J Kubicek, MD, Dwight E Heron, MD, Umamaheswar Duvvuri, MD, PhD, Seungwon W Kim, MD, Alec Vaezi, MD, James Ohr, DO, John Flickinger, MD, Robert Ferris, MD, Jonas Johnson, MD; University of Pittsburgh Medical Center

P289: Efficacy of Dose-Modified Chemotherapy with Docetaxel, Cisplatin, and 5-Fluorouracil for Asian Patients with Head and Neck Squamous Cell Carcinoma in Betel-Chewing Area; Shau-Hsuan Li, MD, Chih-Yen Chien, FACS, Fu-Min Fang, PhD, Wei-Che Lin, MD, Tai-Lin Huang, MD, Wan-Yu Tien, Msc, Chang-Han Chen, PhD; Kaohsiung Chang Gung Head and Neck Oncology Group, Cancer Center, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

P290: Conventional Versus Accelerated Radiotherapy in T2-4 Laryngeal Squamous Cell Carcinoma; Michiel L Schrijvers, MD, Jasper Wachters, MD, Jacqueline E van der Wal, MD, DSS, PhD, Ed Schuuring, PhD, Johannes a Langendijk, MD, PhD, Bernard FAM van der Laan, MD, PhD; Departments of Otorhinolaryngology/Head&Neck Surgery, Pathology and Radiation Oncology University Medical Center Groningen, University of Groningen, The Netherlands and Department of Pathology, Martini Hospital Groningen, The Netherlands

P291: Concomitant Chemo-Radiotherapy for Squamous Cell Carcinoma of the Temporal Bone; Katsunori Katagiri, MD, Kiyoto Shiga, MD, Takenori Ogawa, MD, Kengo Kato, MD, Hisanori Ariga, MD, Toshimitsu Kobayashi, MD; Iwate Medical University

P292: Recurrence of Head and Neck Cancer after Adjuvant Intensity Modulated Radiation Therapy; Jae-Gu Cho, MD, Seung-Kuk Baek, MD, Soon-Young Kwon, MD, Kwang-Yoon Jung, MD, Jeong-Soo Woo, MD; Department of Otolaryngology–Head and Neck Surgery, Korea University College of Medicine

P293: Intensity-Modulated Radiation Therapy for Permanent Alopecia of Unwanted Palatal Hair; Carryn Anderson, MD, Ann Morris, MD, Deborah Alt, MD, Rodrigo Bayon, MD; University of Iowa Hospitals & Clinics, Department of Veterans Affairs Iowa City Medical Center

P294: IMRT in Head and Neck Cancers; Manoj Behera, MBBS MD, Viney R, MBBS, MD, Aman Sharma, MBBS, MD, Seema Sharma, MSc, Manigandam Durai, PhD, Pramod K Julka, MBBS, MD, GOURA K RATH, MBBS, MD; All India Institute of Medical Sciences (AIIMS)

P295: The Best Chemoselection for Head and Neck Cancer Using Induction Chemotherapy; Tetsuya Ogawa, MD, PhD, Atsuhiko Ikeda, MD, Kunihiro Nishimura, MD, Yoshimasa Tsuchiya, MD, Hiromi Ueda, MD, PhD; Aichi Medical University

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P296: Evaluation of Survivin as a Prognostic Marker in Oral Squamous Cell Carcinoma; Jun-Yong Yun, Jung-Hyun Shin, JuHyon Lee, Hoon Myoung; Department of Oral and Maxillofacial Surgery and Dental Research Institute, School of Dentistry, Seoul National University

P297: Human Epidermal Growth Factor Receptor 2 (HER 2) in Salivary Gland Carcinomas; Adrian Muenscher, MD, Till-Sebastian Clauditz, MD, Dalchow Carsten, MD, Arthur Gontarewicz, MD, Maria-Christina Tsourlakis, Pierre Tennstedt, PhD, Ronald Simon, MD, PhD, Rainald Knecht, MD, PhD, Carsten Bokemeyer, MD, PhD, Guido Sauter, MD, PhD, Waldemar Wilczak, MD; University Medical Center Hamburg Eppendorf, ORL, Head and Neck Surgery and Oncology, Department of Pathology, Department of Medical Oncology

P298: Urinary Iodine Excretion after Contrast CT Scan; Grace L Nimmons, MD, Nitin a Pagedar, MD, Michael M Graham, MD, PhD, Gerry F Funk, MD; University of Iowa Hospitals and Clinics

P299: Head and Neck Ultrasound by an Otolaryngologist-The Experience of 4273 Cases in 8 Years; Cheng-Ping Wang, MD, Tsung-Lin Yang, MD, PhD, Tseng-Cheng Chen, MD, Chun-Nan Chen, MD, Chin-Fon Lin, MD, Pei-Jen Lou, MD, PhD, Jeng-Yuh Ko, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P300: Diagnostic Accuracy of Cone Beam Computed Tomography in Detecting Mandibular Bone Invasion in Oral Cavity Squamous Cell Carcinoma; Eric Bissada, MD, DMD, FRCSC, David Goldstein, MD, MSc, FRCSC, Dale Brown, MB, FRCSC, BCh, Ralph Gilbert, MD, FRCSC, Patrick Gullane, CM, MB, FRCSC, FACS, FRCSC, HonFRACS, Robert Wood, DDS, PhD, Eric Bartlett, MPH, MD, Jonathan Irish, MD, MSc, FACS, FRCSC; Princess Margaret Hospital

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P301: Elevated Protein Expression of Rab Coupling Protein (Rcp) in Squamous Cell Carcinoma of the Head and Neck; Xin Zhang, Yaozhang Dai, Yong Liu, Changyun Yu, MD, Gengming Cai, MD; Department of Otolaryngology Head and Neck Surgery, Xiangya Hospital, Central South University, Changsha 410008, Hunan, China.

P302: Regional Differences in Incidence and Mortality Trends in Cancers of the Larynx, Thyroid, Oral Cavity and Pharynx in England and Scotland: 1975 - 2002; Oladejo Olaleye, MPH, MRCS, DOHNS, MBBS, Somiah Siddiq, MRCS, DOHNS, Rehan Kazi, PhD, FACS, FRCS, Professor Hisham Mehanna, PhD, FRCS; Institute of Head and Neck Studies and Education (InHANSE) Coventry UK

P303: A Comprehensive Meta-Analysis Review of the Utility of PET-CT Guided Management of the Post-Treatment Neck in Head and Neck Squamous Cell Carcinoma (HNSCC) Patients Treated with Primary Nonoperative Strategies; Carol Bier-Laning, MD, Terri Pigott, PhD; Loyola University Chicago

P304: Role of Contrast Enhanced PET CT in Management of Recurrent/Residual Head and Neck Cancers; Mathan Mohan, MDS, Sunil H V, MD, Manjula B V, DLO, DNB, Nirav Trivedi, MS, MCh, Vikram D Kekatpure, MS, MCh, Moni Abraham Kuriakose, MD, FRCS; Mazumdar-Shaw Cancer Center, Narayana Hrudayalaya, Bangalore, India

P305: Prevalence of Human Papillomavirus in Oropharyngeal and Nonoropharyngeal Head and Neck Cancer—Systematic Review and Meta-Analysis of Trends by Time and Region; Hisham Mehanna, PhD, T J Beech, MSc, T Nicholson, MBChB, I El-Hariry, PhD, C McConkey, MSc, V Paleri, PhD, S Roberts, DPhil; UHCW, UK

P306: Caix Predicts Lymph Node Metastases and Poor Survival in Surgically Treated Oral Cavity Squamous Cell Carcinoma; Shamir P Chandarana, BSc, MD, MSc, FRCSC, Nigel Brockton, PhD, Alex Klimowicz, PhD, Pinaki Bose, PhD, Elizabeth Kornaga, MSc, Steve Nakoneshny, T W Matthews, MD, FRCSC, Anthony Magliocco, PhD, Kelly Guggisberg, MD, FRCPC, Joseph C Dort, MD, MSc, BSc, FRCSC, FACS; University of Calgary

P307: Nationwide Project of Therapeutic Indicator Development for Oral Cancer in Taiwan - A Betel Quid Prevalent Area; Shyuang-Der Terng, MD, Skye H Cheng, MD, Cheng-Fang Horng, MS, Shan-Lan Kong, PhD; Koo Foundation Sun Yat-Sen Cancer Center

P308: Pilot Study on the Natural History of Precursor Lesions of Oral and Oropharyngeal Cancer; Katia Muller, DDS, PhD, Hellen Kuasne, MSc, Ana Paula Molina, DDS, MSc, Nicolas Schlecht, PhD, Julia Mariko, MSc, Fabio Alves, DDS, PhD, Fabio Marchi, MSc, Silvia Rogatto, PhD, Luiz Paulo Kowaslki, MD, PhD; Mcgill University

P309: PET/CT in the Routine Post-Treatment Surveillance of Head and Neck Cancer; Allen S Ho, MD, Gabriel J Tsao, MD, Frank W Chen, Tianjie Shen, MD, Mike Yao, MD; Stanford University Medical Center

P310: The Proportion of Malignancy in Incidental Parotid Masses on Pet Study: A Systematic Review; Smriti Nayan, MD, Mandeep Gill, MD, Michael K Gupta, MD, FRCSC; McMaster University, Hamilton Ontario, Canada

P311: Transcription Factor Signature of Head and Neck Squamous Cell Carcinoma; Daria A Daria A. Gaykalova, PhD, Kathryn Morton, BS, Michael Considine, PhD, Elana Fertig, PhD, Patrick Hennessey, MD, Zubair Khan, MD, Mariana Brait, PhD, Christine H Chung, MD, Michael F Ochs, PhD, Joseph A Califano, MD; Johns Hopkins University

P312: IkBL-62T, LTa+80A and LTa+252G Homozygosis and Their Combinations Increase Risk of Developing Oral Squamous Cell Carcinoma; Diana Gazito, Marcos Brasilino de Carvalho, Antonio J Gonçalves, Otavio Curioni, Adriana Madeira Alvares da Silva, Head and Neck Genome Project GENCAPO; Medical Oncology Division and Department of Molecular Biology of Heliopolis Hospital; Post Graduate School of Medical Sciences and Discipline of Head and Neck Surgery of Santa Casa de São Paulo

P313: Serological Response to Human Papillomavirus 16 E6, E7 and L1 and Prognosis of Oropharyngeal Squamous Cell Carcinoma; Rossana Veronica M Lopez, PhD, Jose Eduardo Levi, PhD, Luiz Paulo Kowalski, PhD, MD, Marcos Brasilino De Carvalho, PhD, MD, Jose Eluf Neto, PhD, MD, Rosalina Koifman, PhD, MD, Sergio Koifman, PhD, MD, Marcio Abrahão, PhD, MD, Jose Francisco De Gois Filho, PhD, MD, David L Figueiredo, PhD, MD, Maria Paula Curado, PhD, MD, Tim Waterboer, PhD, Paolo Boffetta, PhD, MD, Paul Brennan, PhD, Victor Wünsch Filho, PhD, MD; University of São Paulo

P314: Survivin in Head and Neck Cancer; Saad A Khan, MD, Dong-Hua Yang, MD, PhD, Fang Zhu, PhD, Cara Dubyk, MS, JoEllen Weaver, BS, MT, Ranee Mehra, MD, Miriam N Lango, MD, John A Ridge, MD, PhD, Barbara a Burtness, MD; Fox Chase Cancer Center

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P315: Trends in the Incidence of Head and Neck Cancer by Primary Tumor Sites in Japan: Analysis of Data in 1993-2006 from Population-Based Cancer Registries; Daisuke Kawakita, MD, Hidemi Ito, Kota Katanoda, Tomohiro Matsuda, Shingo Murakami, Keitaro Matsuo, Tomotaka Sobue; Aichi Cancer Center Research Institute, Nagoya City University Graduate School of Medical Sciences and National Cancer Center

P316: EGCG Induce Internalization of EGF Receptor; Satoshi To, MD, PhD, Torahiko Nakashima, MD, PhD, Shizuo Komune, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, Graduate School of of Medical Sciences, Kyushu University

P317: There Are Significant Differences in the Epidemiology of Glottic and Supraglottic Carcinoma; Johan Wennerberg, MD, PhD, Eva Brun, MD, PhD, Elisabeth Kjellén, MD, PhD, Peter Wahlberg, MD, PhD; Depts of ORL/H&N Surgery and Oncology, University Hospital, Lund, Sweden

P318: Head and Neck Cancer and Socioeconomic Status in Canada from 1992 to 2007: Incidence and Age at Diagnosis; Euna Hwang, MDCM, Stephanie Johnson-Obaseki, MD, FRCSC, James T MacDonald, PhD, Martin Corsten, MD, FRCSC; University of Ottawa, University of Toronto, University of New Brunswick

P319: Diagnostic Value of CT and MRI in the Detection of Paratracheal Lymph Node Metastasis; Thomas T.A. Peters, MD, Remco de Bree, MD, PhD, Redina Ljumanovic, MD, PhD, Birgit I. Witte, MSc, Jonas A. Castelijns, MD, PhD, C. René Leemans, MD, PhD; VU University Medical Center

P320: Role of SPECT/CT for Localization of Parotid Based Sentinel Lymph Nodes in Head and Neck Melanoma; Theresa Guo, MS, Peter Faulhaber, MD, Rod Rezaee, MD, FACS, Chad Zender, MD, FACS; Case Western Reserve University

P321: The Value of Ultrasound in Detecting Central Compartment Lymph Node Metastases from Differentiated Thyrid Carcinoma; Aviram Mizrachi, MD, Raphael Feinmesser, MD, Ohad Hilly, MD, Gideon Bachar, MD, Maya Cohen, MD; Department of Otorhinolaryngology Head and Neck Surgery and Department of Radiology, Rabin Medical Center, Petach Tikva, Israel

P322: Planned Neck Dissection after Chemioradiotherapy in Locally Advanced Oropharyngeal Cancer: Role of Neck Us, MRI and PET-TC in Detecting Residual Neck Disease; Valentina Manciocco, PhD, Raul Pellini, MD, Giuseppe Mercante, MD, Barbara Pichi, MD, Paolo Marchesi, MD, Paolo Ruscito, MD, Giovanni Cristalli, MD, Giuseppe Spriano, MD; National Cancer Institute Rome Italy

P323: Initial Staging of Head and Neck Cancer: Does a Trip to the Operating Room Add Meaningful Data?; Mitchell Challis, MD, Chafeek Tomeh, MD, Alok Saini, BS, Sreekrishna Donepudi, MD, Merry Sebelik, MD; University of Tennessee Health Science Center

P324: The Value of Ultrasound Mapping in the Management of Thyroid Cancer; Owen Woods, MD, MSc, Manon Belair, MD, FRCSC, Louis Guertin, MD, FRCSC, Tareck Ayad, MD, FRCSC, Andrée Boucher, MD, FRCSC, Jean-Claude Tabet, MD, FRCSC, Apostolos Christopoulos, MD, FRCSC; University of Montreal

P325: Ultrasonography in the Differential Diagnosis of Neck Lymphnodes in an Office Based Setting; Hans J Welkoborsky, MD, DDS, PhD, Lisa OrLoff, MD; 1) Dept. of Otorhinolaryngology, Nordstadt Clinic, Hannover, Germany, 2) Dept. of Otolaryngology, University of California, San Francisco, CA, USA

P326: Impact of a Hight Resolution Dedicated PET/CT Protocol in the Nodal Staging of Squamous Cell Carcinomas of the Head and Neck; Pierre Demez, MD, PhD, Anne-Laurence Minon, MD, Pierre Moreau, MD, PhD, Jean-Evrard Cabay, MD, Roland Hustinx, MD, PhD; CHU Liège

P327: Genomic Profile of Malignant Progression in Carcinoma Ex-Pleomorphic Adenoma Using Multiplex Ligation-Dependent Probe Amplification; Fernanda Viviane Mariano, DDS, MSc, PhD, André Del Negro, MD, PhD, Ana Camila Pereira Messetti, DDS, Ana Flávia Costa, DDS, MSc, Rogério Oliveira Gondak, DDS, MS,c PhD, Marcelo Brum Correa, MD, Ricardo Della Coletta, DDS, MSc, PhD, Albina Messias Almeida Altemani, MD, PhD, Oslei Paes Almeida, DDS, MSc, PhD, Luiz Paulo Kowalski, MD, PhD; AC Camargo Hospital, Piracicaba Dental School (UNICAMP), Medical Sciences Faculty (UNICAMP), Oncology Center Piracicaba - São Paulo/Brazil

P328: Prame Expression in Head and Neck Cancers Predicts Poor Prognosis; Miroslaw J Szczepanski, MD, PhD, Marta Glura, PhD, Jan Misiak, BS, Bronislawa Szarzynska, BS, Grzegorz Dworacki, MD, PhD; 1) Department of Clinical Immunology, Poznan University of Medical Sciences, Poznan, Poland; 2) Department of Otolaryngology, Division of Dentistry, Warsaw Medical University, Warsaw, Poland

P329: Cytoplasmic ING1 Expression Measured by Aquanalysis Is an Independent Prognostic Marker in Oral Squamous Cell Carcinoma; Pinaki Bose, PhD, Alexander C Klimowicz, PhD, Satbir S Thakur, MSc, Nigel T Brockton, PhD, Elizabeth Kornaga, MSc, Steve Nakoneshny, BSc, T Wayne Matthews, MD, Joseph C Dort, MD, Karl T Riabowol, PhD; Department of Oncology, University of Calgary, Calgary, Canada

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P330: Human Papillomavirus (HPV) Associated Head and Neck Squamous Cell Carcinoma (SCC) Arising in Sites Other Than the Oropharynx; Navdeep S Upile, Natalie Lowe, Max Robinson, Philip Sloan, Jon Sheard, Andrew Schache, Paul Goodyear, Tim R Helliwell, Mark T Boyd, Terence M Jones; Department of Molecular and Clinical Cancer Medicine, University of Liverpool; Aintree University Hospitals NHS Foundation Trust

P331: Usefulness of Salivary Scintigraphy for Evaluation of Dysfunction of Salivary Glands after Radioactive Iodine Therapy; Jeong-Seok Choi, Jae-Yol Lim, Young-Mo Kim; Department of Otorhinolaryngology, Inha University, School of Medicine, Incheon, Korea

P332: Documentation and Visualisation with the TTM (Tumor Therapy Manager) for Panendoscopy: Results of Workflow Analysis of the Panendoscopy and the Documentation Process with or Without the TTM; Andreas Boehm, MD, Thomas Neumuth, MD, Thomas Pankau, Müller Stefan, Bernhard Preim, PhD, Andreas Dietz, PhD; Department of Otolaryngology, Head and Neck Surgery, University of Leipzig, Germany

P333: Serum Biomarkers for Detection of Head and Neck Squamous Cell Carcionma; Patrick T Hennessey, MD, Wojciech K Mydlarz, MD, Hao Wang, PhD, Andre L Carvalho, MD, PhD, Joseph a Califano, MD; Johns Hopkins Medical Institutions, Greater Baltimore Medical Center

P334: p16 (INK4A) Has Clinicopathological and Prognostic Impact in Pharynx and Larynx Squamous Cell Carcinoma; Sabrina Daniela Silva, PhD, Fernando Augusto Soares, PhD, Sueli Nonogaki, PhD, Luiz Paulo Kowalski, PhD; AC Camargo Hospital and McGill University

P335: Prevention and Early Detection of Oral Cancer in Brazil-Parana State Between 1994-1998: Period: II; Laurindo M Sassi, DDS, MSc, PhD, Jose L Dissenha, DDS, Maria I Guebur, DDS, MSc, PhD, Fernando L Zanferrari, DDS, MSc, PhD, Roberta T Stramandinoli, Juliana L Schussel, DDS, MSc, PhD, Paola a Pedruzzi, MD, MSc, Gyl H Ramos, MD, MSc PhD, Benedito V Oliveira, MD, Jean C Della Jeustina, DDS, Luiza C Nascimento, DD, Lucia F Avila, DDS, MSc, PhD; Erasto Gaertner Hospital - Curitiba - Pr - Oncology

P336: FHIT Expression in Non-Tumoral Mucosa of Patients with Squamous Cell Carcinoma of the Head and Neck: A Promising Marker of Survival in Non-Smoker Non-Drinker Patients and of Tobacco Exposure; Raquel A Moyses, MD, PhD, Patrícia M Cury, MD, PhD, Rossana M López, MPH PhD, Victor Wunch Filho, MD, PhD, Eloíza H Tajara, PhD, GENCAPO, Pedro Michaluart, MD, PhD; Department of Head and Neck Surgery, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, Brazil, LIM28; GENCAPO, Brazil

P337: Transcutaneous Ultrasound for Evaluation of Vocal Fold Movement in Patients with Thyroid Disease; Cheng-Ping Wang, MD, Tseng-Cheng Chen, MD, Tsung-Lin Yang, MD, PhD, Pei-Jen Lou, MD, PhD, Jenq-Yuh Ko, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P338: Detection of Extranodal Spread in Head and Neck Cancer with FDG PET/CT and MRI: Improved Accuracy; Wouter L Lodder, MD, Wouter V Vogel, MD, PhD, Charlotte a Lange, MD, Olga Hamming-Vrieze, MD, Marie-Louise F van Velthuysen, MD, PhD, Frank a Pameijer, MD, PhD, Alfons J Balm, MD, PhD, Michiel W van den Brekel, MD, PhD; Netherlands Cancer Institute- Antoni van Leeuwenhoek Hospital, Amsterdam, The Netherlands

P339: Early PET Post Radical Radiotherapy to Select for Neck Node Dissection in Locally Advanced HNSCC; Johanna Sjovall, MD, Eva Brun, MD, PhD, Peter Wahlberg, MD, PhD, Elisabeth Kjellén, MD, PhD, Lars Ekblad, PhD, Johan Wennerberg, MD, PhD; Dept of ORL-HNS and Dept of Oncology, Lund University Hospital, Lund, Sweden

P340: Radiation-Induced 18F-Fluorodeoxyglucose Uptake in Pyriform Sinus in Head and Neck Squamous Cell Carcinoma; Masahiro Kikuchi, Shogo Shinohara, Yuji Nakamoto, Nami Ueki, Keizo Fujiwara, Hiroshi Yamazaki, Yuji Kanazawa, Risa Kurihara, Ippei Kishimoto, Hiroyuki Harada, Yasushi Naito; Kobe City Medical Center General Hospital

P341: 18F-FDG-PET/CT for the Assessment of the Contralateral Neck in Patients Suffering from Head and Neck Squamous Cell Carcinoma (HNSCC); Nikos Kastrinidis, MD, Felix P Kuhn, MD, Thomas F Hany, PROF, Ahmad Nader, MD, Gerhard F Huber, MD, Stephan K Haerle, MD; Department of Otolaryngology, Head and Neck Surgery, University Hospital Zurich, Frauenklinikstrasse 24, CH-8091 Zurich, Switzerland; Division of Nuclear Medicine, Department of Medical Radiology, University Hospital Zurich, Raemistrasse 100, CH-8091 Zur

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P342: Usefulness and Pitfalls of PET/CT in Papillary Thyroid Cancer (PTC); M Coduti, MD, I Califano, MD, R E Giglio, MD, C Zarlenga, MD, P Saco, MD, O Salariato, MD, L Califano, MD; Instituo de Oncología Ángel H. Roffo,Universidad de Buenos Aires, Argentina

P343: PETCT Incidentalomas: Prevalence, Diagnosis, Significance and Management; Richa Vaish, MBBS, MS, A K D'Cruz, MS, DNB, FRCS, Venkatesh Rangarajan, MBBS, DRM, DNB, Devendra Chaukar, MBBS, MS, Anuja Deshmukh, MBBS, MS, Nilendu Purandare, MBBS, DMRD, DNB; Tata Memorial Centre

P344: Survival Analysis of Non-Smoking and Non-Drinking Patients with Squamous Cell Carcinoma of the Head and Neck (SCCHN) According to Demographic and Clinical Features, HPV Status and p16 Expression; Raquel A Moyses, MD, PhD, Patrícia M Cury, MD, PhD, Fabio D Nunes, DDS, PhD, Flávia a Xavier, DDS, PhD, Camila Rodini, DDS, PhD, Rossana M López, MPH PhD, GENCAPO , Eloíza H Tajara, PhD, Pedro Michaluart, MD, PhD; Department of Head and Neck Surgery, Hospital das Clínicas da Faculdade de Medicina da Universidade de São Paulo, Brazil, LIM28; GENCAPO, Brazil

P345: Epidemiological Analysis of Head and Neck Cancer in Oncological Research Center Cepon - Santa Catarina State, Brazil; Luiz Roberto M Santos, Senen D Hauff, MD; CEPON - Centro de Pesquisas Oncológicas

P346: Human Papillomavirus in Neck Metastasis from Head and Neck Carcinoma and Unknown Primary Carcinoma; Hidenori Inohara, MD, PhD, Toshimichi Yasui, MD, Hiromi Maruyama, MD, PhD; Department of Otorhinolaryngology and Head and Neck Surgery, Osaka University School of Medicine

P347: Do Conventional Computed Tomography Characteristics of Pathological Neck Nodes Apply after Chemoradiation?; Moein Alizadeh, MD, William Guertin, Sebastien Clavel, MSc, MD, Denis Soulières, MD, Louis Guertin, MD, Israel Fortin, MSc, MD, Apostolos Christopoulos, MD, Tareck Ayad, MD, Edith Fillion, MD, Louise Lambert, MD, Phuc F Nguyen-Tan, MDCM, Manon Bélair, MD; Centre Hospitalier de l Université de Montréal, Université de Montréal

P348: Comparison of FLT PET and FDG PET in the Evaluation of Response to Chemoradiotherapy in Head and Neck Cancer; Hiroshi Hoshikawa, MD, Takehito Kishino, MD, Nozomu Mori, MD; Department of Otolaryngology-Head and Neck Surgery, Faculty of Medicine, Kagawa University

P349: FDG-PET of Head and Neck Cutaneous Squamous Cell Carcinoma; Jason Lau, Markus Brunner, MD, Ardalan Ebrahimi, MBBS, Michael Fulham, Prof, Kan Gao, Jonathan Clark, MBBS; Sydney Head and Neck Cancer Institute, The Sydney Cancer Centre, Royal Prince, Department of PET and Nucelar Medicine, Royal Prince Alfred Hospital, New South Wales, 2050, Sydney, Australia

P350: Necrotic Tumor, Histiocytic Reaction and Follicular Hyperplasia Are the Most Common 18FDG PET-Avid Histologic Alterations in the pN0 Neck of Patients with Head and Neck Squamous Cell Carcinoma; Karthik Ganapathi, MD, Razia Sultana, MD, Vishal Gupta, MD, Wesley Hicks, MD, Nestor Rigual, MD, Dominick Lamonica, MD, Mihai Merzianu, MD; Department of Pathology, University at Buffalo, Buffalo, NY, USA; Department of Pathology, Department of Head and Neck Surgery and Department of Nuclear Medicine, Roswell Park Cancer Institute, Buffalo, NY, USA

P351: NEDD9 and PPARG Are Putative Molecular Markers in Pleomorphic Adenomas of Salivary Glands; Miriam C Molck, MSc, Sara M Silveira, MSc, Nádia a Bérgamo, PhD, Fabrício P Santos, PhD, Luiz P Kowalski, PhD, MD, Silvia R Rogatto, PhD; Dept Genetics, IB and Dept of Urology - UNESP, Botucatu SP. CIPE and Dept of Head and Neck Surgery, AC Camargo Hospital, São Paulo SP, Dept of General Biology, UFG, Goiânia, GO, Inst. e Centro de Pesquisa São Leopoldo Mandic, Campinas, SP, Brazil

P352: Clinico-Pathological Features Associated with HPV Status in Oropharyngeal Cancer; Navin Mani, MBBS, MRCS, Catriona Douglas, MBBS, MRCS, Catharine West, PhD, Jarrod J Homer, MD, FRCS; The Christie Hospital, Manchester, UK

P353: Ultrasound-Guided Core Biopsy in Advanced Hypopharyngeal Tumors; Chun-Nan Chen, MD, Tsung-Lin Yang, MD, PhD; Department of Otolaryngology, National Taiwan University Hospital, Hsin-Chu Branch, Hsin-Chu, Taiwan, and Department of Otolaryngology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan

P354: Comparison of Deformable Versus Rigid PET/CT Registration in Head and Neck Cancer (HNC) Patients Undergoing Postoperative Radiation Therapy (PORT); Nataliya Kovalchuk, PhD, Thomas R Niedermayr, PhD, Muhammad M Qureshi, MBBS, Scharukh Jalisi, MD, Rathan Subramaniam, MD, PhD, Minh T Truong, MD; Boston Medical Center, Boston, MA; Harvard Medical School, Boston, MA; Boston University School of Medicine, Boston, MA

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P355: Analysis of PET-CT for Cervical Metastasis Following Radiotherapy with or Without Chemotherapy: Is a Single Level Neck Dissection Feasible?; Sterling B Riggs, MD, Steven C Quattlebaum, BS, Ryan Raju, MD, Michael Anderson, PhD, Jesus Medina, MD, Nilesh R Vasan, MD, FRACS; University of Oklahoma Health Sciences Center

P356: Prevention and Early Detection of Oral Cancer in Brazil-Parana State Between 1999-2003: Period: III; Laurindo M Sassi, DDS, MSc, PhD, Jose L Dissenha, DDS, Maria I Guebur, DDS, MSc, PhD, Fernando L Zanferrari, DDS, MSc, PhD, Roberta T Stramandinoli, DDS, MSc, Juliana L Schussel, DDS, MSc, PhD, Lucia F Avila, DDS, MSc, PhD, Paola A Pedruzzi, MD, MSc, Gyl H Ramos, MD, MSc, PhD, Benedito V Oliveira, MD, Caroline B Ramos, DDS, Cleverson Patussi, DDS; Erasto Gaertner Hospital - Curitiba - Pr - Oncology

P357: Prognostic Significance of RB1-Inducible Coiled-Coil 1 in Salivary Gland Cancers; Kaichiro Ikebuchi, MD PhD, Tokuhiro Chano, MD, PhD, Hitosuke Tameno, MD, Yasuko Ochi, MD, Akihito, Arai, MD, Mitsuo Kishimoto, MD, Taketoshi Shimada, MD, PhD, Yasuo Hisa, MD, PhD, Hidetoshi Okabe, MD, PhD; Department of Otolaryngology–Head & Neck Surgery, Kyoto Prefectural University of Medicine

P358: Nonsense Mutation in TP53 Is Highly Observed in Head and Neck Squamous Cell Carcinomas Cases in Japanese Patients; Yasuhiro Ebihara, MD, Miwako Iwai, PhD, Masafumi Yoshida, MD, Mizuo Ando, MD, Takahiro Asakage, MD, PhD, Tatsuya Yamasoba, MD, PhD, Yoshinori Murakami, MD, PhD; Department of Otolaryngology - Head and Neck Surgery, Faculty of Medicine and Division of Molecular Pathology, Institute of Medical Science, University of Tokyo Japan

P359: Quantitative Diffusion-Weighted Magnetic Resonance Imaging for the Differential Diagnosis Between Follicular Adenomas and Follicular Carcinomas of the Thyroid Gland: Effect of Region of Interest on the Value of the Apparent Diffusion Coefficient; M Nakahira, MD, N Saito, MD, M Sugasawa, MD, K Morita, MD, F Takajyo, MD, S Matsumura, MD, K Kuba, MD, H Inoue, MD; Saitama Medical University International Medical Center

P360: Diagnostic Accuracy and Radiologic Features Predictive of Lymph Node Extracapsular Spread in Oral Cavity Squamous Cell Carcinoma—A Case-Control Analysis; Derrick R Randall, MD, MSc, John T Lysack, MD, FRCPC, Mark E Hudon, MD, FRCPC, Steve C Nakoneshny, MSc, T Wayne Matthews, MD, FRCSC, Joseph C Dort, MD, MPH, FRCSC, Shamir P Chandarana, MD, MPH, FRCSC; University of Calgary

P361: The Role of PET-CT after Chemoradiation in Partially Regressed Nodal Disease; Moein Alizadeh, MD, Louise Lambert, MD, Louis Guertin, MD, Manon Bélair, MD, Luc Boucher, MD, Tareck Ayad, MD, Apostoulos Christopoulos, MD, Denis Soulières, MD, Edith Filion, MD, Félix P Nguyen-Tan; Centre Hospitalier de l Université de Montréal, Université de Montréal

P362: Predictive Value of Simultaneous Assessment of DNA Ploidy and Biomarker Expression for Malignant Progression in Laryngeal Precursor Lesions; A.J.H.M. Fleskens, MD, V.E. Bergshoeff, MD, J.A.W.M. van der Laak, PhD, I. Otte-Höller, E.J.M. Speel, PhD, P.J. Slootweg, MD, PhD, B. Kremer, MD, PhD, R.P. Takes, MD, PhD; Department of Otorhinolaryngology and Head and Neck Surgery, Radboud University Nijmegen Medical Center, The Netherlands, Department of Otorhinolaryngology and Head and Neck Surgery, Maastricht University Medical Center, The Netherlands

P363: The Heparanase Enzyme Is Involved in Oral Cancer Prognosis and Cellular Differentiation; Yoav Leiser, DMD, PhD, Imad Abu El Naaj, DMD, Israel Vlodavsky, PhD, Micha Peled, DMD, MD; Rambam Medical Center, Rapoport Faculty of Medicine, Technion

P364: Oral Cancer Detection with Topical Lectins: A Novel Technique for Early Diagnosis of Oral Cancer; John Baeten, Msc, Moni Kuriakose, FDS, FRCS, Amithra Suresh, PhD, Deepak Kademani, DMD, MD, FACS; University of Minnesota, Mazumdar Shaw Cancer Center, Vista Dental

P365: Human Papillomavirus in Japanese Female Laryngeal Carcinoma; Takatsugu Mizumachi, MD, PhD, Nobuhiko Oridate, MD, PhD, Tomohiro Sakashita, MD, Satoshi Kano, MD, PhD, Hiromitsu Hatakeyama, MD, PhD, Seigo Suzuki, MD, PhD, Akihiro Homma, MD, PhD, Satoshi Fukuda, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Hokkaido University Graduate School of Medicine

P366: Validation of UBM and Photoacoustic Imaging: A Novel Approach to Evaluating Both Structure and Function in Tissue Diagnostics; D. Gregory Farwell, Laura Marcu, Yang Sun, FeiFei Zhou, Steve Tinling, PhD, Regina Gandour-Edwards, MD, Shannon Poti, MD; Universtiy of California, Davis-Department of Otolaryngology, Head and Neck Oncology-Skull Base Surgery

P367: Observation and Descriptive Analysis of Head and Neck Malignancy in Eastern Part of Nepal; Dr. Sumit Gupta, MS, ENT, Dr. Shyam Chettri, MS, ENT, Dr. Sangita Bhandary, MS, ENT; BP Koirala Institute of Health Sciences

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P368: Prevention and Early Detection of Oral Cancer in Brazil-Parana State Between 2004-2008: Period: IV; Laurindo M Sassi, DDS, MSc, PhD, Jose L Dissenha, DDS, Maria I Guebur, DDS, MSc, PhD, Fernando L Zanferrari, DDS, MSc, PhD, Roberta T Stramandinoli, DDS, MSc, Juliana L Schussel, DDS, MSc, PhD, Regiane B Bixofix, DDS, Paola a Pedruzzi, MD, MSc, Gyl H Ramos, MD, MSc, PhD, Benedito V Oliveira, MD; Erasto Gaertner Hospital - Curitiba - Pr - Oncology

P369: Divergent Incidence Trends for Oropharyngeal and Laryngeal Cancers in the United States 1999-2008; Amy Y Chen, MD, MPH, Edgar P Simard, PhD; American Cancer Society; Emory University School of Medicine

P370: Novel Analysis of p16 Tumor Status in the Detection of Oral and Oropharyngeal Squamous Cell Carcinomas Using a Saliva CD44/ Protein Screening Test; Gia Hoosien, MD, Lutecia Pereira, PhD, Aymee Perez, PhD, Sandra Saint-Victor, MD, Erika Reategui, MS, Robert Duncan, PhD, Isildinha Reis, DrPH, Carmen Gomez, MD, Elizabeth Franzmann, MD; University of Miami, Sylvester Comprehensive Cancer Center, Jackson Memorial Hospital, Miami FL, USA

P371: Campaign of Prevention and Early Detection of Oral Cancer in Brazil-Parana State Between 1989-1993: Period: I; Laurindo M Sassi, DDS, MSc, PhD, Jose L Dissenha, DDS, Maria I Guebur, DDS, MSc, PhD, Fernando L Zanferrari, DDS, MSc, PhD, Roberta T Stramandinoli, DDS, MSc, Juliana L Schussel, DDS, MSc, PhD, Acir J Dirschnabel, DDSMSc, PhD, Paola a Pedruzzi, MD, MSc, Gyl H Ramos, MD, MSc, PhD, Benedito V Oliveira, MD, Thiago S Cesa, MD, Luiza C Nascimento; Erasto Gaertner Hospital - Curitiba - Pr - Oncology

P372: Characterization of Oral Cancer in the Kingdom of Saudi Arabia; Maha A Al-Mohaya, BDS, MSc, DMSC, ABOM, Yousef M Al-Onazi, BDS, MS; Riaydh Military Hospital

P373: Comparison of Magnetic Resonance Imaging with Clinical Examination in Predicting Nodal Involvement in Thyroid Carcinoma; Charmain Zhao, Dr, Jeevendra Kanagalingam, Dr; Tan Tock Seng Hospital

P374: Evaluation of Computed Tomography Assisted Geometric Laryngeal Assessment of Airway Risk in Head and Neck Cancer; Christopher H Rassekh, MD, Jenny L Cross, MD, Jeffery P Hogg, MD; University of Pennsylvania

P375: Forty-Percentage of Lung Nodules Detected by Initial Computed Tomography Is Revealed as Malignancy in Patients with Head and Neck Cancer; Takahiro Fukuhara, MD, Kenichi Nomura, MD, PhD, Kazunori Fujiwara, MD, Daizou Taguchi, MD, Hideyuki Kataoka, MD, PhD, Hiroya Kitano, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Tottori University

P376: Reliability of Computed Tomography in Assessment of Extracapsular Spread in Cervical Lymph Node Metastases from Head and Neck Squamous Cell Carcinoma; Michael Moran, MMedSci, MBBChBAO, Gavin M Gracey, MBBChBAO, Mark Love, FRCR, Jacqueline a James, PhD, FRCPath; The Queen's University of Belfast; The Belfast Health and Social Care Trust

P377: PET-CT for Metastatic Head and Neck Squamous Carcinoma with Unknown Primary; Correlation with Targeted and Surveillance Biopsy; Raghav Kulkarni, MbChB, MRCSIon, James McCaul, PhD, FRCSOMFS, FRCS, FDSRCPS, MBChB, BDS, Samit Ghosh, Chris Bem, Sanjai Sood, Maha Mehzer, BDS; Bradford Royal Infirmary: Bradford Teaching Hospitals NHS Trust

P378: Malignant Transformation of a Scalp Proliferating Pilar Tumor During Chemotherapy; Nirav N Thakkar, MD, Mihir K Bhayani, MD, Howard a Michael, MD; University of Illinos, Northshore University Health System

P379: Molecular Profile of Human Papillomavirus-Positive Head and Neck Squamous Cell Carcinoma; Jerome Paris, MD, MSc, Claudine Altschuler, MD, Isabelle Nanni, PhD, Frederic Fina, PhD, Olivier Richard, MD, Pierre Calvet, MD, Jean Hugues Patte, MD, L'houcine Ouafik, PhD; Hopital Prive Clairval Marseille , Faculte De Medecine De Marseille

P380: Diffusion Weighted MRI of the Neck: Its Usefulness in the Evalution of Metastases in Normal Sized Neck Nodes in Patients with Head and Neck Cancer; S L Juvekar, Dr, S Arya, Dr, S V Kane, Dr, P Pai, Dr, A Mahajan, Dr; Tata Memorial Hospital

P381: Epidemiological and Clinical Profile of Patients with Family History of Head and Neck Cancer; T C Chulam, MD, S Rogatto, PhD, J G Filho, PhD, Luiz P Kowalski, PhD, Hellen Kuasne, MScPhD, Fernanda B Bertonha, MSc; Department of Head and Neck Surgery and Otorhinolaryngology, A.C. Camargo Hospital, São Paulo, Brazil; NeoGene Laboratory, AC Camargo Cancer International Research Center, São Paulo, Brazil

P382: Nasofacial NK/T-Cell Lymphoma, February 2003-February 2011; Francisco Medrano, Alfredo Saavedra, Reyna Palacios, Leonor Morin, Gabriela Pérez; ENT Department, Lenin Fonseca Hospital, Managua, Nicaragua

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P383: Interim Analysis of Two Randomized Phase 3 Trials Comparing Electrochemotherapy to Surgery in Recurrent Head and Neck Cancer; Paul Goldfarb, MD, Robert Goodenow, Avtar Dhillon, MD; Oncology Associates and OncoSec Medical Incorporated

P384: Endoscopic Treatment for Recurrent Nasopharyngeal Carcinoma: A Systematic Review; Mandeep S Gill, BHSc, MD, David Choi, BHSc, Sarfaraz Banglawala, BSc, MD, Michael K Gupta, MD, FRCSC, Doron Sommer, MD, FRCSC; McMaster University, Hamilton, Ontario, Canada

P385: Optimal Timing of Percutaneous Endoscopic Gastrostomy Placement in Patients with End-Stage Head and Neck Cancer; Daisuke Saito, MD, Kazuto Mastuura, MD, PhD, Tetsuya Noguchi, MD, PhD, Yukinori Asada, MD, PhD, Shun Sagai, MD, Takayuki Imai, MD, Shigeru Saijyo, MD, PhD; Miyagi Cancer Center

P386: Retrospective Evaluation of Improvement in Treatment Compliance & Reduction of Hospitalizations in Patients (PTS) with Locally Advanced Squamous Cell Carcinoma of the Oropharynx Undergoing Chemoradiotherapy Utilizing a Weekly Nurse Practitioner Clinic; Heidi I Mason, RN, MSN, NPc, Mary B DeRubeis, RN, MSN, NPc; University of Michigan Cancer Center

P387: Evidence Based Guidelines for the Nutritional Management of Patients with Head and Neck Cancer: Developing and Maintaining Guidelines on a Wiki Platform; Teresa Brown, BSc APD, Merran Findlay, APD, Judy Bauer, AProf AdvAPD; Royal Brisbane and Women's Hospital, Brisbane, Australia, Royal Prince Alfred Hospital, Sydney, Australia, University of Queensland, Brisbane, Australia

P388: Metronomic Low-Dose Oral Chemotherapy in Head and Neck Cancers; Kumar Prabhash, MBBS, MD, DM, Vijay Patil, MBBS, MD, Vanita Noronha, MBBS, MD, Amit Joshi, MBBS, MD, DM, Vamshi Krishna Muddu, MBBS, MD, Pankaj Chaturvedi, MBBS, MS, Devendra Chaukar, MBBS, MS, Prathamesh Pai, MBBS, MS, Vedang Murthy, Anil K D'Cruz; Tata Memorial Hospital, Mumbai

P389: Lateral Cervical Lymph Node Metastases from Papillary Thyroid Carcinoma: Preoperative Detection and Factors Predictive of Level V Metastasis; Myung Joo Shim, MD, Jong-Lyel Roh, MD, Gyungyub Gong, MD, Kyung-Ja Cho, MD, Jeong Hyun Lee, MD, Seung-Ho Choi, MD, Soon Yuhl Nam, MD, Sang Yoon Kim, MD; Department of Otolaryngology, Asan Meidcal Center; University of Ulsan College of Medicine

P390: Pulmonary Metastasectomy in Squamous Cell Carcinoma of the Head and Neck; A Systematic Review; Emily R Young, MBChB, BSc, MRCS, Rehan Kazi, MS, DNB, FACS, FRCS, PhD, Hisham Mehanna, Professor PhD, BMedSc, MBChB, FRCS, ORLHNS; Institute of Head and Neck Studies and Education, University Hospital, Coventry, United Kingdom, CV2 2DX

P391: Prior Chemotherapy and Smoking History Predict Response to Re-Irradiation and Chemotherapy in Patients with Recurrent or Second Primary Head and Neck Cancer; Rodrigo Arrangoiz, MD, Tom Galloway, MD, Ranee Mehra, MD, Drew Ridge, MD, PhD, Miriam Lango, MD; Fox Chase Cancer Center, Philadelphia, Pennsylvania

P392: Targeting AKT-Mediated Pathways with a Combination of Natural Compounds Egcg and Resveratrol in Head and Neck Cancer: Potential for Adjuvant Therapy; ARM R Amin, PhD, Mohammad a Rahman, PhD, Dongsheng Wang, PhD, Sreenivas Nannapaneni, MS, Fadlo R Khuri, MD, Zhuo G Chen, PhD, Dong M Shin, MD; Winship Cancer Institute of Emory University

P393: Gefitinib Inhibits Tumour Growth after Surgical Trauma; Gustaf Lindgren, MD, Elisabeth Kjellén, Professor MD, Johan Wennerberg, Professor MD; Depts. of Otorhinolaryngology/Head and Neck Surgery and Oncology, Lund University Hospital, Lund, Sweden

P394: Predicting Post-Treatment Feeding Tube and Tracheostomy Dependence in Chemoradiated Laryngeal Cancer Patients; David H Ludlow, MD, Emily Loeffler, CCCSLP, Gloria Caldito, PhD, Cheryl Clark, PhD, Cherie-Anne Nathan, MD, FACS; Louisiana State University Health Science Center - Shreveport

P395: Histologic Analysis of Surgical Margins in Mandibular Osteoradionecrosis Is a Poor Predictor for Recurrent Disease; Soroush Zaghi, MD, Mia Miller, MD, Keith Blackwell, MD, Beth Palla, MD, Chi Lai, MD, Vishad Nabili, MD; Division of Head and Neck Surgery, David Geffen School of Medicine at UCLA, University of California, Los Angeles; Los Angeles, CA

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P396: Efficacy Analysis of Early Postoperative Enteral Alimentation Through Jejunostomy in Patients with Head and Neck Cancer Undergoing Free Jejunal Reconstruction Surgery; Takashi Nasu, MD, PhD, Shuji Koike, MD, PhD, Daisuke Noda, MD, PhD, Akihiro Ishida, MD, PhD, Osamu Hachiya, MD, PhD, Seiji Kakehata, MD, PhD; Department of Otolaryngology, Head & Neck Surgery, Yamagata University Faculty of Medicine

P397: Prospective Placebo-Controlled Trial of Transcutaneous Electrical Nerve Stimulation (TENS) for Relief of Pain from Radiation-Induced Mucositis in Head and Neck Cancer; Jennifer Lee, PhD, MA, Barbara Rakel, PhD, RN, Dana Dailey, PT, Carol Vance, CER, Ann Broderick, MD, Kathleen Sluka, PhD, PT, Carryn Anderson, MD; University of Iowa Hospitals & Clinics

P398: Patient and Social Network Related Diagnostic Delay in Head and Neck Cancer; John A Queenan, MSc, Benjamin H Gottlieb, PhD, Stephen F Hall, MSc, MD, FRCSC, Jonathan Irish, MD, MSc, FRCSC, FACS, P A Groome, PhD; Queen's Cancer Research Institute, Queen's University, Kingston, Ontario. Department of Psychology, University of Guelph, Guelph, Ontario, Princess Margaret Hospital, University of Toronto, Toronto, Ontario

P399: Results of Re-Irradiation Following Total Laryngectomy Performed for Radiation Failure: A Ten Year Experience; Evan Greenbaum, MD, Carol Bier-Laning, MD; Loyola University Chicago

P400: Re-Irradiation Using Cyberknife Stereotactic Body Radiotherapy for Recurrent Head and Neck Squamous Cell Carcinoma; Minh T Truong, MD, Muhammad M Mustafa, MBBS, Scharukh Jalisi, MD, Nectaria Vassilakis, RN, Gregory Grillone, MD, Lisa A Kachnic, MD; Boston Medical Center, Boston University School of Medicine

P401: Anti-Cancer Effects of Cordycepin on Oral Squamous Cell Carcinoma Proliferation and Apoptosis in Vitro; JuHyon Lee, Jun-Yong Yun, Jung-Hyun Shin, Hoon Myoung; Department of Oral & Maxillofacial Surgery, College of Dentistry, Seoul National University, Republic of Korea

P402: Identification of High Risk Patients and Compliance to Evidence Based Guidelines for the Swallowing and Nutrition Management of Patients with Head and Neck Cancer Facilitates Early Dietetic Intervention and Improves Patient Outcomes; Teresa Brown, BSc, APD, Lynda Ross, PhD, AdvAPD, Merrilyn Banks, PhD, AdvAPD, Lee Jones; Royal Brisbane and Women's Hospital, Brisbane, Australia

P403: Quality of Dying in Head and Neck Cancer: A Retrospective Analysis of Care; Sandra C Serrano, MD, Luiz Paulo Kowalski, MD, PhD; Hospital A.C. Camargo - Brazil

P404: The Role of Elective Neck Dissection During Salvage Curative Surgery in Head and Neck Squamous Cell Carcinoma; Dong Jin Lee, MD, Kyu Young Choi, MD, Jin Hwan Kim, MD, Eun Jae Chung, MD, Il Seok Park, MD, Young Soo Rho, MD, Hwe Young Ahn, MD; Department of Otolaryngology-Head and Neck Surgery, Hallym University Medical Center, Ilsong Memorial Institute of Head and Neck Cancer

P405: How to Deal with Acute Radiation Toxicity and Treatment Tolerance in Patients with Head and Neck Cancer? Proposition of a New Complex Scoring System; Krzysztof Skladowski, MD, PhD, Agata Hajduk, MD, PhD, Marcin Hutnik, MD; Institute of Oncology, Maria Sklodowska-Curie Cancer Center, Gliwice

P406: Diagnosis of Second Primary Tumor and Long Term Survival after Single Initial Triple Endoscopy in Patients with Head and Neck Cancer; AVM Priante, PhD, JL Gross, PhD, CZ Sztokfisz, PhD, in Nishimoto, PhD, LP Kowalski, PhD; Hospital A. C. Camargo and Taubaté University

P407: Hypothyroidism Following Treatment of Laryngeal or Hypopharyngeal Carcinoma: A Prospective Study; Annalisa M. Lo Galbo, MD, Remco de Bree, MD, PhD, Dirk J. Kuik, MSc, Paul Lips, MD, PhD, Mary E. von Blomberg, MD, PhD, Elisabeth Bloemena, MD, PhD, C. René Leemans, MD, PhD; VU University Medical Center

P408: Effects of an Artificial Hypercaloric and Hyperproteic Feeding on Nutritionnal Status in Post-Surgery Head and Neck Cancer Patients; Christian Malherbe, DO, Jenny Deflines, MD, Anne-Marie Verbrugge, DO, Pierre Demez, MD, Pierre Moreau, PhD, Nicolas Paquot, PhD; University of Liège

P409: Systematic Evaluation of Symptom Burden in Previously Untreated Head and Neck Cancer Patients in the Clinical Care Setting; Ehab Hanna, MD, Pamela Sehra, MPH, BDS, Tito Mendoza, PhD, MS, MEd, Brandon Gunn, MD, David Rosenthal, MD, Randal Weber, MD, Charles Cleeland, PhD; MD Anderson Cancer Center

P410: Weekly Docetaxel, Cisplatin, and 5-Fluorouracil as a Palliative Chemotherapy for Patients with Relapsed or Metastatic Head and Neck Cancer in Poor Performance Status; Cvetka Grasic Kuhar, MD, PhD, Branko Zakotnik, MD, PhD; Institute of Oncology Ljubljana, Department Medical Oncology, Ljubljana, Slovenia

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P411: Salvage Curative Surgery for Local Recurrence in Head and Neck Squamous Cell Carcinoma: Oncologic Results and Predictive Factors for Successful Salvage Surgery; Dong Jin Lee, MD, Young Soo Rho, MD, Jin Hwan Kim, MD, Eun Jae Chung, MD, Il Seok Park, MD, Sun Min Park, MD, Mun Il Park, MD; Department of Otolaryngology-Head and Neck Surgery, Hallym University Medical Center, Ilsong Memorial Institute of Head and Neck Cancer

P412: Factors Associated with Limited Gastrostomy Tube Usage in Patients with Oropharyngeal Cancer Treated with Chemoradiation; Joanne W Jang, MD, PhD, Ron J Parambi, MBBS, MPH, Tessa A Goldsmith, MA, CCCSLP, BRSS, Allison S Holman, MS, CCCSLP, Lori J Wirth, MD, John R Clark, MD, Paul M Busse, MD, PhD, Annie W Chan, MD; Massachusetts General Hospital

P413: When Organ Preservation Fails: Outcomes of Surgery for the Nonfunctional Larynx; Nikhila P Raol, MD, Katherine Hutcheson, PhD, Michael E Kupferman, MD; M.D. Anderson Cancer Center

P414: Laryngectomy for Non-Functional Larynx, The UAB Experience; Alexandra E Kejner, MD, Kirk P Withrow, MD, Eben L Rosenthal, MD, William R Carroll, MD, Hilliary N White, MD, Larissa Sweeney, MD, Jeffrey S Magnuson, MD, Joseph B Golden, MD, Hope Heath, MD; University of Alabama - Birmingham

P415: Risk Factors for Fatal Hemorrhage in Palliative Patients with Head and Neck Cancer; B.J. Neecke, MD, MSc, D.A. Monserez, MD, M.H. Wieringa, PhD, R.J. Baatenburg de Jong, PhD, MD; Erasmus Medical Centre, The Netherlands

P416: The Preserved Eye in Malignant Sinonasal Tumours; Mayuri M Rajapurkar, MD, MS MCh, Krishnakumar Thankappan, MD, MS, DNB, MCh, FAHNS, Moni A Kuriakose, MD, FDSRCS, FFDRCS, FRCS, Ed, FRCS, AB, Subramania Iyer, MS, MCh, FRCS; Amrita Institute of Medical Sciences, Cochin, Kerala, India

P417: Effects of Pilocarpine on Salivary Gland Function after Postoperative Radioiodine Therapy for Differentiated Thyroid Cancer; Jae-Yol Lim, Jeong-Seok Choi, Young-Mo Kim; Department of Otorhinolaryngology, Inha University, School of Medicine, Incheon, Korea

P418: Psychosocial Problems and Quality of Life after Total Laryngectomy for Patients, Partners and Their Relationship; Marinella P.J. Offerman, MSc, Jean F.A. Pruyn, PhD, Maarten F. De Boer, PhD, MD, Jan J. van Busschbach, PhD, Robert J. Baatenburg de Jong, PhD, MD; Department of Otorhinolaryngology and Head and Neck Surgery, Erasmus MC Rotterdam, The Netherlands / Department of Pulmonary Medicine and Department of Medical Psychology and Psychotherapy Erasmus MC Rotterdam, The Netherlands

P419: Cross-Sectional Study of Quality of Life after Thyroid Surgery; Safina Ali, MD, Monica Whitcher, BA, Frank L Palmer, BA, Ashok Shaha, MD, Jatin P Shah, MD, Snehal G Patel, MD; Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, NY, 10065

P420: Is Routine Neck Dissection for Salvage Laryngectomy Worth the Hassle and Risks?; Juliet Meldrum, Miss, J Sington, Dr, P Montgomery, Mr, R Nassif, Mr; Clinico-Pathological Analysis in Tertiary Referral Cancer Centre in East Anglia

P421: Multi-Parameter Monitoring of the Acute Post-Radiation Reaction, Conducted During Radio- and Chemo-Radiotherapy, in Patients with Head and Neck Cancer; Marcin Hutnik, Agata Hajduk, PhD, Lukasz Boguszewicz, Tomasz Rutkowski, PhD, Boleslaw Pilecki, PhD, Andrzej Wygoda, PhD, Beata Lukaszczyk-Widel, Wieslawa Przeorek, PhD, Maria Sokól, PhD, Krzysztof Skladowski, PhD; I Radiotherapy Clinic, Department of Radiation Oncology, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland

P422: Dietitian Awareness of Radiation Caries Risk and Prescribing Pattern of Oral Dietary Supplements in Head and Neck Cancer Patients; Lorna K McCaul, Dr, Michelle Hepples, Ms, James A McCaul, Mr; Bradford Institute for Health Reearch

P423: Guideline for Prophylactic Feeding Tube Insertion in Patients Undergoing Resection of Head and Neck Cancers; David R Jack, MBChB, MRCSEd, BSc, Taimur Shoaib, MD, FRCS, Fiona R Dawson, BSc, Justice E Reilly, MBChB, BSc; Canniesburn Plastic Surgery Unit, Glasgow Royal Infirmary, Glasgow, UK

P424: Neck and Shoulder Function in Patients Treated for Oral Malignancies; a 1-Year Prospective Cohort Study; Caroline M. Speksnijder, PT, PhD, Andries van der Bilt, PhD, Matthias A.W. Merkx, DDS, MD, PhD, Ron Koole, DDS, MD, PhD; Department of Oral-Maxillofacial Surgery University Medical Center Utrecht & Radboud University Nijmegen Medical Center

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P425: Clinical Ethics Consultation in Head and Neck Cancer Patients; Andrew G Shuman, MD, Mary S McCabe, RN, MA, Joseph J Fins, MD, FACP, Snehal G Patel, MD, FRCS, Dennis H Kraus, MD, FACS, Jatin P Shah, MD, FACS; Memorial Sloan-Kettering Cancer Center

P426: Sleep Status and Related Factors Oral Cancer Patients One Month Post Surgery: a Multi-Site Study in Taiwan; Yeur-Hur Lai, Professsor PhD, RN, Jenq-Yuh Ko, Professor MD, Yuan-Yuan Fang, MSN, RN, Pei-Jen Lou, Professor MD, PhD, Chen-Ping Wang, MD, PhD, Pen-Yun Chu, MD, PhD; School of Nursing, College of Medicine, National Taiwan University & Hospital, Taipei, Taiwan

P427: Effect of the Treatment Modality on the Quality of Life in Patients Successfully Treated for Oropharyngeal Head and Neck Cancer; Norm Stanton, Markus Brunner, MD, Sydney Ch´ng, MBBS, Christopher Milross, Prof, Jonathan Clark, MBBS; Sydney Head and Neck Cancer Institute, The Sydney Cancer Centre, Royal Prince Alfred Hospital, New South Wales, Sydney, Australia

P428: Cavernous Sinus Metastasis in Head and Neck Squamous Cell Carcinoma; Awatif Al-Yousuf, MS, Raghave Dwivedi, MR, Imran Khan, MR, Elias Koury, MR; Department of Otolaryngology and Head and Neck, Whipps Cross University Hospital, UK

P429: Effect of Cisplatin on Otoacoustic Emission of Japanese Head and Neck Cancer Patients; Morimasa Kitamura, MD, Peem Eiamprapai, MD, Harukazu Hiraumi, MD, PhD, Eriko Ogino, MD, Norio Yamamoto, MD, PhD, Shigeru Hirano, MD, PhD, Juichi Ito, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Graduate of Medicine, Kyoto University, Japan

P430: The Management of Radionecrosis in Laryngopharynx after Combined Chemoradiation Therapy; Cherry Gay G Gatchalian, MD, Sheng-Po Hao, MD; 1 Department of Otolaryngology Head & Neck Surgery, The Medical City, Philippines 2Department of Otolaryngology Head & Neck Surgery, Shin Kong Wu Ho-Su Memorial Hospital 3Fu Jen Catholic University, School of Medicine, Taipei, Taiwan

P431: Assessment of Post-Operative Quality of Life in Larynx T3 Cancer Patients; Marcelo B Menezes, PhD, MD, Daniela Achette, Mariane Y Nakai, Bruno V Prandini, Antonio J Gonçalves, PhD, MD; Faculty of Medicine, Santa Casa de Sao Paulo

P432: Effectiveness of Integrated Psychiatric Support in Head & Neck Cancer Treatment; Michael Ryan, PsyD, Michelle Jesse, MA; Henry Ford Hospital

P433: Salvage Neck Dissection: Indications, Techniques, Methods of Reconstruction, Complications and Outcomes; Mohamed Shama, MD, Tarek Hashem, MD, Ahmed Mustafa, MD, Nagy Saber, MD, Ahmed Rabie, MD, Ayman Amin, MD; National Cancer Institute, Cairo University

P434: Locally Recurrent Oral Carcinomas Submitted to Salvage Surgery: Expression of EGFR and p16 and Their Relation with the Treatment Outcomes; André Lopes Carvalho, MD, PhD, Ivan Marcelo Agra, MD, PhD, Cristovam Scapulatempo Neto, MD, PhD, Luiz Paulo Kowalski, MD, PhD; Head and Neck Department Hospital AC Camargo/ Head and Neck Service Hospital do Câncer de Barretos / Head and Neck Service Hospital Aristides Maltez

P435: Stomal Recurrence; Salvage Surgery and Reconstruction; Robert H Lindau, MD, Amy Pittman, MD, Neil Gross, MD, Peter Andersen, MD, Mark K Wax, MD; Oregon Health and Science University

P436: Outcome and Predictors of Outcome in Patients That Have Recurrent Laryngeal Cancer Undergoing Salvage Laryngectomy; Vikram Dhar, FRCS, ORLHNS, Ian Nixon, FRCS, ORLHNS, Thomas F Pezier, MRCS, Anil Joshi, MRCS, Richard Oakley, FRCS, ORLHNS, Jean-Pierre Jeannon, FRCS, ORLHNS, Ricard Simo, FRCS, ORLHNS; Guy's & St. Thomas's Hospital NHS Foundation Trust

P437: Feasibility of Recruitment to an Oral Dysplasia Trial in the United Kingdom; Paul Nankivell, BA, BMBCh, MRCS, Michael Langman, BSc, MD, FRCP, FMedSci, Janet Dunn, BSc, MSc, PhD, Hisham Mehanna, PhD, BMedSc, MBChB, FRCS; Institute of Head and Neck Studies and Education (InHANSE), University Hospital Coventry and Warwick, University of Birmingham, Warwick Medical School

P438: An Analysis of Risk Factors for Life-Threatening Hemorrhage Following Concomitant Chemotherapy and Irradiation Therapy for Oropharyngeal Squamous Cell Carcinoma; Elizabeth Self, BA, Kevin Potts, MD, Craig Zeigler, MA, Jeffrey Bumpous, MD; University of Louisville School of Medicine, Department of Otolaryngology

P439: A Pilot Study to Compare Twice Weekly Dietetic Follow Up Versus Standard Care on the Nutritional Status of Head and Neck Cancer Patients Receiving Chemoradiotherapy; Rachael Y Donnelly, MSc, RD, Pippa M Lowe, BSc, RD, Lucy Mowatt, MSc, RD, Teresa Guerrero Urbano, Dr, PhD, FRCR, MRCPI, LMS; Guy's and St Thomas' NHS Foundation Trust

P440: The Outcome of Regular Follow-Up after Primary Curative Treatment for Head and Neck Cancer: The Need for Individualized Follow-Up Protocol; Young Ho Jung, MD, Joo Hyun Park, MD, Chang Myeon Song, MD, Kwang Hyun Kim, MD, Myung-Whun Sung, MD; Department of Otorhinolaryngology–Head and Neck Surgery, Seoul National University Boramae Hospital

P441: Neck Metastasis of a Nonseminomatous Testicular Carcinoma; Lucas M Chiurco, MD, Adrian Ortega, MD, Ruben O Padin, MD; Hospital Nacional Prof. Dr. Alejandro Posadas. El Palomar, Buenos Aires, Argentina

P442: Revascularisation and Rejuvenation of the Irradiated Neck by Autologous Lipo-Aspirate; Colin Liew, MBChB, FRCS, Pirgousis Phillip, MD, DDS, Kalavrezos Nicholas, MD, FDS, FRCS, Cotrufo Stefano, MD; University College London Hospitals, London, United Kingdom

P443: Management of Patients with Anaplastic Thyroid Carcinoma Stages IVB and IVC; Esther Perera, BDS, MBChB, FDS MRCS, FRCSEdOMFS, Ceri Hughes, BDS, MBChB, FDS, FRCSOMFS, Graham Porter, MBChB, FRCS; Bristol Head and Neck Unit, Bristol, Avon, UK

P444: Discomfort Due to Mucositis, Swallowing, Trismus Is Related to the Level of Prior Patient Awareness?; Satheesh Kumar Poolakkad Sankaran, MDS, Anita Balan, MDS; Government Dental College, Trivandrum, Kerala, India

P445: Salvage Neck Dissection as the Primary Treatment for Regional Recurrence in Oral Squamous Cell Carcinoma; Aly Mebed, PhD; National Cancer Institute

P446: Chronic Dysphagia and Fibrosis in Patients Treated with Radiotherapy for Head and Neck Cancer: A Systematic Review; Stephanie M Shaw, MS, CCCSLP, Stacey Skoretz, MSc, CCCSLP, SLPC, RSLP, Rosemary Martino, MA, MSc, PhD; University of Toronto

P447: The Use of Gamma Knife Surgery in the Treatment of Ameloblastic Carcinoma; Esther Perera, BDS MBChB FDS MRCS, FRCSEdOMFS, Christer Lindquist, MD, PhD, Steven Thomas, BDS, MBBCH, PhD, FDS, FRCS, FRCSOMFS, Ceri Hughes, BDS, MBChB, FDS, FRCSOMFS; Department of Oral and Maxillofacial Surgery, Bristol, Avon, UK; The Gamma Knife Centre, BUPA Cromwell Hospital, London, UK

P448: The Role of Salvage Laryngectomy for Recurrent Laryngeal Cancer; Tyler Winford, BS, William Replogle, PhD, Karen T Pitman, MD; Univerisity of Mississippi Medical Center

P449: Rare Treatment of Iatrogenic Induced Carotid Pseudoaneurysm and Ensuing Carotid Blowout Syndrome with Placement of Multiple Contiguous Endovascular Stents; Samip N Patel, MD, Jeremy Rogers, MD, Eric Sauvageau, MD, Tapan A Padhya, MD; University of South Florida College of Medicine, The Ohio State University College of Medicine

P450: Delayed Laryngeal Radionecrosis: A Case Report and Review of the Literature; Sachin Gupta, MD, Seema Jeswani, MD, Mark DeLacure, MD; Manhattan VA Medical Center, Department of Otolaryngology

P451: Riedel'S Disease; A Report of Extensive Disease Requiring Total Laryngectomy; Robert H Lindau, MD, Katie Wolters, MD, Neil Gross, MD, Mark K Wax, MD; Oregeon Health Science University

P452: Revision Neck Dissection for Recurrent Metastatic Papillary Carcinoma of the Thyroid; Yoav P Talmi, MD, FACS, Ohad Cohen, MD, Lev Bedrin, MD, PhD, Zeev Horowitz, MD, Eran E Alon, MD, Michael Wolf, MD; Sheba Medical Center and the Tel Aviv University Sackler School of Medicine

P453: Metastatic Basal Cell Carcinoma: A Case Report and Review of Literature; Daniel Warshafsky, BS, Eelam A Adil, MD, MBA, Sohrab Sohrabi, MD, David Goldenberg, MD, FACS; Pennsylvania State University, Division of Otolaryngology-Head and Neck Surgery

P454: Malignant Effusion of the Neck after Neck Dissection for Squamous Cell Carcinoma of the Oral Cavity: A Case Report; Urjeet A Patel, MD, Alice C Lin, MD; Northwestern University, Chicago, IL; Cook County Hospital (Stroger), Chicago, IL

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P455: Deriving Utilities and Preferences for Health States Following Treatment for Oropharyngeal Cancer: Pilot Work for Cost-Utility Analysis of TORS vs. (Chemo) Radiotherapy; John R de Almeida, MD, MSc, Nathaniel L Villanuva, BSc, Brett a Miles, MD, DDS, Marita S Teng, MD, Vivek Gurudutt, MD, Andrew Sikora, MD, PhD, Vishal Gupta, MD, Krzysztof Misiukiewicz, MD, Marshall Posner, MD, Eric M Genden, MD; Mount Sinai Medical Center

P456: Outcomes of Neck Dissection in the Treatment of Recurrent Nasopharyngeal Carcinoma: Possible Role of Adjuvant Treatment in Selected Group with Tendency to Recur; Sok-Yan Tay, MBBS, MMed, Chwee-Ming Lim, MBBS, MMed, Kwok S Loh, FRCS; Dept Otolaryngology Head & Neck Surgery, National University Health System, Singapore

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P457: Association of p16, p53 and Thymidylate Synthase (TS) Expression with Human Papillomavirus Status in Oropharyngeal Carcinoma in Japanese Patients; Hisayuki Kato, MD, PhD, Takehiro Yui, MD, Tatsuyoshi Okada, MD, PhD, Naoki Yamamoto, PhD, Kazuo Sakurai, MD, PhD, Kensei Naito, MD, PhD; Fujita Health University, School of Medicine

P458: Second Primary Head and Neck Malignancy after Radiation Therapy for Nasopharyngeal Carcinoma; Alexander C Vlantis, FCSSAORL, Eddy W Y Wong, FRCSEd, Brian K H Yu, FRCR, Michael K M Kam, FRCR, C Andrew van Hasselt, MMedOtol; the Chinese University of Hong Kong

P459: 'Teeth (On a Fibula) in a Day' Total Jaw Reconstruction and Rehabilitation Using Digital Technology; Steven J Caldroney, MD, Jamie P Levine, MD, David L Hirsch, MD; New York University

P460: Lingual Tonsillectomy: A New Algorithm for the Unknown Primary; Thomas H Nagel, MD, Michael L Hinni, MD, Richard E Hayden, MD, William C Perry, PAC; Mayo Clinic Arizona

P461: Second Primary Tumors in Human Papillomavirus-Associated Head and Neck Carcinomas; Andrew W Joseph, MPH, Takenori Ogawa, MD, PhD, Justin Bishop, MD, Sofia Lyford-Pike, MD, Xiaofei Chang, MD, William H Westra, MD, Sara I Pai, MD, PhD; Johns Hopkins Bloomberg School of Public Health; University of Michigan Medical School; Departments of Otolaryngology–Head and Neck Surgery, Pathology, and Oncology, Johns Hopkins Medical Institutions

P462: Human Papillomavirus-Induced Oropharyngeal Squamous Cell Carcinoma in the Netherlands: Prevalence, Type Distribution and Time Trends; MM Rietbergen, MD, PhD, RJ Baatenburg-de Jong, MD, PhD, E Bloemena, MD, PhD, PJF Snijders, PhD, S Koljenovic, MD, PhD, CR Leemans, MD, PhD, RH Brakenhoff, PhD; Department of Otolaryngology / Head and Neck Surgery and Department of Pathology, VU University Medical center, Department of Otolaryngology / Head and Neck Surgery and Department of Pathology, Erasmus University Medical Center

P463: Outcomes of Nonsurgical Management of Locally Advanced Carcinomas of the Nasal Cavity and Paranasal Sinuses; Shamit Chopra, MD, Dev Kamdar, MD, Jiayi Huang, MD, Isaac Kaufman, BS, Harold Kim, MD, Daryn Smith, Ho-Sheng Lin, MD, Lance K Heilbrun, PhD, John R Jacobs, MD, George Yoo, MD, FACS; Departments of Otolaryngology- Head & Neck Surgery, Radiation Oncology and Biostatistics, Wayne State University/Karmanos Cancer Institute and Detroit Medical Center, Detroit, Michigan

P464: The Role of Genetic Evaluation and Preoperative Embolization in the Management of Paragangliomas of the Head and Neck; S Saha, MD, FACS, FRCS, R Becker, DO, A Tesfaye, MD, M Kanaan, MD, A J Kinning, MD, W Kinning, MD, R Molnar, MD, P Gafford, MD, G Johnston, DO, D Wiese, MD; McLaren Regional Medical Center

P465: Comparative Study of €Maxillary Swing' and €Trans Maxillary' Approaches in Excision of Advanced Juvenile Nasopharyngeal Angiofibroma; Prakash Mishra, MS, Mahendra Hada, MS, Monika Rathod, MD; S.M.S. Medical College Jaipur (RAJ) India

P466: Clinical Utility of Hybrid Capture 2 for Detection of Human Papillomavirus in Oropharyngeal Squamous Cell Carcinoma; Yutaka Tokumaru, MD, Masato Fujii, MD; National Hospital Organization Tokyo Medical Center

P467: Is Human Papillomavirus (HPV) Status Really Important? Transoral Laser Surgery in the Management of Oropharyngeal Squamous Cell Carcinoma (OPSCC); Navdeep S Upile, Jeffery Lancaster, Andrew Kinshuck, Jon Sheard, Max Robinson, Philip Sloan, Sankalap Tandon, Nicholas Roland, Shaun Jackson, Terence M Jones; Department of Molecular and Clinical Cancer Medicine, University of Liverpool; Aintree University Hospitals NHS Foundation Trust

P468: Long Term Regional Control in the Observed Neck Following Definitive Chemoradiation for Node-Positive Oropharyngeal Squamous Cell Cancer; Luc G Morris, MD, MSc, Anuj Goenka, MD, Shyam Rao, MD, Suzanne Wolden, MD, Ian Ganly, MD, PhD, Richard J Wong, MD, Jatin P Shah, MD, Dennis H Kraus, MD, Matthew Fury, MD, PhD, David Pfister, MD, Michael Zelefsky, MD, Nancy Y Lee, MD; Memorial Sloan-Kettering Cancer Center, New York, NY

P469: Surgical Treatment of Pediatric Sarcomas in the Skull Base; Seiji Kishimoto, MD, Taro Sugimoto, MD, Atsunobu Tsunoda, MD, Kazuchika Ohno, MD, Suguru Aoyagi, MD, Yoshihisa Kawano, MD, Tomoyuki Yano, MD, Kentaro Tanaka, MD; Department of Head & Neck Surgery, Tokyo Medical and Dental University

P470: Oncological Results of Endoscopic Endonasal Resection of Esthesioneuroblastoma; Carl H Snyderman, MD, MBA, Carlos D Pinheiro-Neto, MD, Paul A Gardner, MD, Ricardo L Carrau, MD, Eric W Wang, MD, Juan C Fernandez-Miranda, MD; University of Pittsburgh Medical Center

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P471: Survival of Radiation Induced Malignant Peripheral Nerves Sheath Tumors of the Vagus Nerve Treated with Aggressive Resection; Peter T Dziegielewski, MD, Hadi Seikaly, MD, FRCSC, Carolyn O'Hara, MD, Bree Harris, BSc, Daniel a O'Connell, MD, FRCSC, Vince Biron, MD, PhD, Jeffrey Harris, MD, FRCSC; University of Alberta

P472: Nasopharyngeal Carcinoma Epidemiology and Secondary Prevention in Boston's Chinatown: The NPC Screening Initiative; Jeremiah C Tracy, Merdad Mazin, Wein O Richard; Tufts Medical Center

P473: Swallowing Function after Proton Beam Therapy for Nasopharyngeal Cancer: A Prospective Longitudinal Study; Tessa a Goldsmith, MA, CCCSLP, BRSS, Allison Holman, MS, CCCSLP, Ron Parambi, MBBS, MPH, Elizabeth Weyman, BA, Paul M Busse, MD, PhD, Elene Viscosi, MSN, APRN, BC, John R Clark, M, Lori J Wirth, MD, Stephen M Rothenberg, MD, PhD, Daniel G Deschler, MD, James W Rocco, MD, PhD, Derrick T Lin, MD, Kevin Emerick, MD, Annie W Chan, MD; Massachusetts General Hospital, Massachusetts Eye and Ear Infirmary, Harvard Medical School

P474: Biweekly Gemcitabine and Carboplatin in First-Line Metastatic or Recurrent Nasopharyngeal Carcinoma (NPC)--An Early Report; Assia Bensalem, PhD, a Ammari, MD, Kamel Bouzid, PhD; Medical Oncology Algeria

P475: HPV Status and Secondary Primary Tumour Detection in Oropharyngeal Squamous Cell Carcinoma; Caroline C Xu, MD, Vincent Biron, MD, PhD, Hadi Seikaly, MD; Division of Otolaryngology – Head and Neck Surgery, University of Alberta

P476: Distribution of Regional Metastases from Oropharyngeal Scc and the Implications for Selective Neck Dissection Following Tors; Arnaud F Bewley, MD, Ara a Chalian, MD, Chris H Rassekh, MD, Marc a Cohen, MD, Kathy Montone, MD, Bert W O'Malley, MD, Gregory S Weinstein, MD; University of Pennsylvania

P477: A New Technique of Defect Closure after Transoral Robotic Surgery for Tonsil Cancer; Inn-Chul Nam, Jun-Ook Park, Young-Hoon Joo, Jung-Hae Cho, Kwang-Jae Cho, Min-Sik Kim; The Catholic University of Korea

P478: Functional Outcomes of Surgically Treated Tonsillar Squamous Cell Carcinoma Stratified by p16 Positivity; Vincent L Biron, MD, PhD, Dziegielewski Peter, MD, Andrew Ma, BSc, Gabi Constantinescu, MSc, Alexander Klimowicz, PhD, Lakshmi Puttagunta, MD, FRCPC, Adrian Mendez, MD, Praby Singh, MD, Jeffrey Harris, MD, FRCSC, Daniel a O'Connell, MD, MSc, FRCSC, Khalid Ansari, MD, Med, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta and University of Calgary

P479: A Systematic Review of Narrow Band Imaging Pattern in Nasopharynx to Identify Specific Features for the Possible Detection of Early Nasopharyngeal Carcinoma; Madana Jeevanandam, MD, Kwok S Loh, FRCS; National University Health System

P480: Human Papillomavirus in Oropharyngeal Squamous Cell Carcinomas in National Cancer Center: Use of G1 Cycle Markers as New Prognositicators; Yuh-S. Jung, MD, PhD, Weon Seo Park, MD, PhD, Junsun Ryu, MD, PhD, Kwan Ho Cho, MD, PhD, Moon Kyung Choi, BS, Sung Ho Moon, MD, PhD, Tak Yun, MD, PhD, John H. Lee, MD; Head and Neck Oncology Center, National Cancer Center, Goyang, Korea, Sanford Cancer Research Center, University of South Dakota, Sioux Falls, SD, USA

P481: Impact of Gross Tumor Volume and Cystic Nodal Metastasis on the Prognosis of Oropharyngeal Squamous Cell Carcinoma; Chwee Ming Lim, Rodney Wegner, Gregory Kubicek, Jonas T Johnson, Robert L Ferris; University of Pittsburgh Medical Center

P482: Implications of Syndromic Paragangliomas: A Report of a Skull Base Glomus Tumor in Carney's Triad; Elton M Lambert, MD, Richard E Thompson, BA, Joseph Chang, MD, FACS, Yitzchak E Weinstock, MD; University of Texas- Health Sciences Center at Houston Department of Otorhinolaryngology

P483: Chronic Otitis Media with Effusion Following Radiation for Sinonasal and Nasopharyngeal Tumors; Anya J Li, MD, Francis Hall, MD, Syed Ahsan, MD; Henry Ford Hospital

P484: Salvage Surgery for Squamous Cell Carcinoma of the Oropharynx; Marc A Cohen, MD, Ben J Dixon, MD, Eric Monteiro, MD, Ralph W Gilbert, MD, Patrick J Gullane, MD, Dale H Brown, MD, Jonathan C Irish, MD, Kevin M Higgins, MD, Danny J Enepekides, MD, David P Goldstein, MD; Princess Margaret Cancer Centre, Toronto, ON, Canada; Sunnybrook Cancer Centre, Toronto, ON, Canada, CA; Weill Cornell Medical Center, New York, NY, USA

P485: Clinical and Functional Outcome of Patients with Advanced Oropharyngeal Squamous Cell Cancer Treated with Surgery, Free-Flap Reconstruction, and Adjuvant (Chemo)Radiation; Tobias Albrecht, Philippe Federspil, Zazie Bergmann, Magnus von Knebel-Doeberitz, Katja Lindel, Peter Plinkert, Christian Simon; Department of Otolaryngology – Head and Neck Surgery, University of Heidelberg, Germany; Department of Radiation Oncology, University of Heidelberg, Germany; Department of Applied Tumor Biology, Institute of Pathology, University of Heidelberg, Germany

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P486: Epidemiological Association Between HPV-Positive Oropharyngeal Squamous Cell Carcinoma and Cancer of the Cervix; Brittany Barber, MD, Vincent L Biron, MD, PhD, David W Cote, MD, MPH, CCFP, FRCSC, Daniel a O'Connell, MD, MSc, FRCSC, Peter Dziegielewski, MD, Khalid Ansari, MD, Med, FRCSC, Jeffrey Harris, MD, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta

P487: Freedom of Recurrence of Contralateral Neck with Contralateral Neck Irradiation for Ipsilateral Node Positive and Contralateral N0 Tonsil Caner; Chang Hwan Ryu, MD, Sang-Wook Lee, MD, Byeong Jae Moon, MD, Soon Yuhl Nam, MD, Seung-Ho Choi, MD, Jong-Lyel Roh, MD, Sang Yoon Kim, MD, Byung Chul Kang, MD; Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, 388-1, Pungnap-dong, Songpa-gu, Seoul 138-736, Republic of Korea

P488: Treatment and Outcome of Advanced External Auditory Canal and Middle Ear Carcinoma; Giovanni Cristalli, MD, Valentina Manciocco, PhDMD, Giuseppe Mercante, MD, Giuseppe Spriano, MD; Otolaryngology Head and Neck Surgery,National Cancer Institute, Rome , Italy

P489: Dosimetric Impact of Induction Chemotherapy in Nasopharyngeal Carcinoma; Moein Alizadeh, MD, Phuc F Nguyen-Tan, MDCM, Filion Edith, MD, Jean-Francois Carrier, PhD, Denis Soulières, MD, Louis Guertin, MD, Tareck Ayad, MD, Apostolos Christopoulos, MD, Jean-Francois Aubry, PhD, Chantal Boudreau, MSc, Louise Lambert, MD; Centre Hospitalier de l Université de Montréal, Université de Montréal

P490: Immunohistochemical Profiles of Oropharyngeal Squamous Cell Carcinoma in Japan and Their Relationship to the Response to Neoadjuvant Chemotherapy; Shogo Shinohara, MD, PhD, Masahiro Kikuchi, MD, Risa Kurihara, MD, Yu Usami, DDS, PhD, Yukihiro Imai, MD, PhD; Kobe City Medical Center General Hospital

P491: Navigation Guided Endoscopic Nasopharyngectomy for Recurrent Nasopharyngeal Carcinoma; Sheng-Po Hao, MD, Cherry Gay G Gatchalian, MD; 1. Department of Otolaryngology Head & Neck Surgery, Shin Kong Wu Ho-Su Memorial Hospital 2.Fu Jen Catholic University, School of Medicine, Taipei, Taiwan

P492: Prognostic Model for Metastatic Nasopharyngeal Carcinoma; Assia Bensalem, PhD, A Ammari, MD, Kamel Bouzid, PhD; Medical Oncology, Freres Mentouri University, Constantine, Algeria

P493: Human Papillomavirus in Oropharyngeal Cancer-Current Status in Japan; M Fujii, MD, PhD, Y Tokumaru, MD, PhD, K Yane, MD, PhD; National Tokyo Medical Center Tokyo Japan, Nara Hospital Kinki University Nara Japan

P494: Surgical Approach for Treatment of Carcinoma of the Anterior Wall of the External Auditory Canal; Seiji Hosokawa, MD, PhD, Kunihiro Mizuta, MD, PhD, Goro Takahashi, MD, Ken-ichi Sugiyama, MD, Jun Okamura, MD, Yoshinori Takizawa, MD, Kumiko Hosokawa, MD, Takashi Yamatodani, MD, PhD, Kiyoshi Misawa, MD, PhD, Hiroyuki Mineta, MD, PhD; Department of Otorhinolaryngology/ Head & Neck Surgery, Hamamatsu University School of Medicine

P495: Sinonasal Carcinoma Ex Pleomorphic Adenoma; Kiran Kakarala, MD, Daniel M Prevedello, MD, Bradley A Otto, Ricardo L Carrau, MD, Theodoros N Teknos, MD, Matthew O Old, MD; Department of Otolaryngology-Head and Neck Surgery and Department of Neurosurgery, The Ohio State University Medical Center

P496: Chemotherapy as an Alternative Treatment for Unresectable or Recurrent Juvenile Nasopharyngeal Angiofibroma; Carlos Chavez de Paz Villanueva, MD, Pedro Sanchez e Ingunza, MD; Instituto Nacional de Enfermedades Neoplasicas - Lima, Peru

P497: Skull Base Ptosis after Endoscopic Anterior Cranial Fossa Surgery; Steve C Lee, MD, PhD, Yewkwang Ong, MD, Paul Gardner, MD, Carl H Snyderman, MD; Loma Linda University Medical Center and University of Pittsburgh Medical Center

P498: Radiation Carotid Blowout Syndrome in Nasopharyngeal Carcinoma: Angiographic Findings and Endovascular Solutions; Jeeve Kanagalingam, FRCS, Nishini Hekha, MD, Choo Peter, MBBS, Francis Kim Hoong Hui, FRCR; Tan Tock Seng Hospital & National Neuroscience Institute (NNI), Singapore

P499: Prognostic Biomarkers of Survival in Oropharyngeal Squamous Cell Carcinoma: Systematic Review and Meta-Analysis; James Rainsbury, Waseem Ahmed, Hazel Williams, Sally Roberts, Vinidh Paleri, Oladejo Olaleye, Hisham Mehanna; Institute of Head and Neck Studies and Education (InHANSE), University Hospital Coventry and Warwick, UK

P500: P16 Expression in Oropharyngeal Cancer in Japan: Its Impact on Prognosis Compared with the Conventional Clinical Staging Parameters and Therapeutic Modality; Yuki Saito, MD, Masafumi Yoshida, MD, Go Omura, MD, Mizuo Ando, MD, Yasuhiro Ebihara, MD, Takahiro Asakage, MD, PhD, Tatsuya Yamasoba, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, University of Tokyo

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P501: Impact of Incisional Biopsy of Cervical Nodes Prior to Definitive Treatment: The UCLA Experience; Adam DeConde, MD, Brandon Kim, BS, Darshni Vira, MD, Chi Lai, MD, David Elashoff, PhD, Amanda Martin, Elliott Abemayor, MD, PhD, Maie St. John, MD, PhD; University of California at Los Angeles

P502: Craniofacial Resection for Malignant Sinonasal Tumors-The Progress Made Over the Years; Sriprakash Duraisamy, MD, Krishnakumar Thankappan, MD, Naveen Hedne, MD, Chandrasekhar Rao, MD, Subramania Iyer, MD, MA Kuriakose, MD, D Parasuram, MD, Dilip Panikar, MD; Amrita Institute of Medical Science

P503: Temporal Bone Resection for Head and Neck Cancer Patients: Surgical Modalities and Techniques of Reconstruction; Ayman Amin, MD, Sherif Zayed, MD, Ebrahim El-Dessouky, MD, Abdel-Raouf Said, MD, Mohammed Shams El-Din, MD, Mahmoud Bassiouny, MD; the National Cancer Institute, Cairo University, Egypt

P504: Survival and Functional Outcomes of P16 Positive and Negative Base of Tongue Cancer Treated with Primary Surgery and Reconstruction; Vincent L Biron, MD, PhD, Adrian Mendez, MD, Alexander Klimowicz, PhD, Lakshmi Puttagunta, MD FRCPC, Daniel O'Connell, MD, MSc, FRCSC, Nabil Rizk, MD, Peter Dziegielewski, MD, Khalid Ansari, MD MEd, FRCSC, Jeffrey Harris, MD, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta and University of Calgary

P505: In Oropharyngeal Cancer, 46Gy Followed by Neck Dissection for N+ Disease Is 100% Effective; Aniel Sewnaik, MD, PhD, Abrahim Al Mamgani, MD, PhD, Michelle Rietbergen, Cees Meeuwis, MD, PhD, Peter Levendag, MD, PhD, Robert Baatenburg de Jong, MD, PhD, Jeroen Kerrebijn, MD, PhD; Erasmus Medical Center

P506: Large Nerve Perineural Spread of Cutaneous Malignancy; Ben Panizza, AProf; Princess Alexandra Hospital

P507: Management of Isolated Regional Failures in Nasopharyngeal Carcinoma after Primary Radiotherapy; Wu-Chia Lo, MD, Cheng-Ping Wang, MD; Department of Otolaryngology, Far Eastern Memorial Hospital, Taipei, Taiwan

P508: High-Risk Human Papillomavirus and Cervical Lymph Node Metastasis in Patients with Tonsillar Cancer; Inn-Chul Nam, Jun-Ook Park, Young-Hoon Joo, Kwang-Jae Cho, Byung-Joon Chun, Min-Sik Kim; The Catholic University of Korea

P509: Expression of EGF and VEGF in Inverted Nasal Papilloma; Mario Bilic, PhD, Lana Kovac, MD; University Hospital Center Zagreb, Croatia

P510: Multiple Synchronous Primaries in HPV Positive Oropharyngeal Squamous Cell Carcinoma; Kunal S Jain, MD, Jack Hsu, MD; State University of New York Upstate Medical University

P511: An Investigation of the Effectiveness of Molecular Assays & Sampling Methods for the Detection of Oropharyngeal HPV; Elizabeth a Kostas-Polston, PhD, APRN, WHNPBC, Mark A Varvares, MD, Leonard Grosso, MD, PhD, Ron Walker, MD, Juan G Gonzalez, MD; University of South Florida & Saint Louis University

P512: Rhabdomyoma of the Tongue Base Masquerading as an Arteriovenous Malformation; Elizabeth C Kao, BS, Greg a Krempl, MD, Cheng Lui, MD, PhD; The University of Oklahoma

P513: Survival Analysis of Patients with P16-Positive and Negative Oropharyngeal Squamous Cell Carcinoma Treated with Surgery and Chemoradiation; Vincent L Biron, MD, PhD, Daniel a O'Connell, MD, MSc FRCSC, Alexander Klimowicz, PhD, Harold Lau, MD, FRCPC, Lakshmi Puttagunta, MD, FRCPC, Peter Dziegielewski, MD, Khalid Ansari, MD, MEd, FRCSC, Jeffrey Harris, MD, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta and University of Calgary

P514: Primary Pituitary NK/T-Cell Lymphoma Presenting as Diabetes Insipidus: A Case Report and Review of the Literature; Brittany E Howard, MD, Naresh P Patel, MD, Devyani Lal, MD, Christopher R Conley, MD; Mayo Clinic Arizona

P515: Respiratory Epithelial Adenomatoid Hamartoma of the Maxillary Sinus; Chad L McDonald, DO, Sohrab Sohrabi, MD, Johnathan D McGinn, MD, Haresh Mani, MD, PhD; Departments of Pathology and Otolaryngology, Penn State Milton S. Hershey Medical Center

P516: Combination of Docetaxel and Cisplatin for Recurrent Nasopharyngeal Carcinoma: Preliminary Results; Assia Bensalem, PhD, A Ammari, MD, Kamel Bouzid, PhD; Medical Oncology, Freres Mentouri University

P517: Prognostic Factors in Advanced Tonsillar Carcinoma Classified as Stage IVa; Euy-Hyun Park, MD, Kwang-Yoon Jung, MD, PhD, Soon-Young Kwon, MD, PhD, Jeong-Soo Woo, MD, PhD, Jae-Gu Cho, MD, PhD, Min Woo Park, MD, Joon Hyuk Yoo, MD, Young Ho Ju, MD, Seung-Kuk Baek, MD, PhD; Department of Otolaryngology-Head and Neck Surgery, Korea University College of Medicine

P518: Relationship of Parapharyngeal Space Invasion and Tumor Dimensions in Squamous Cell Carcinoma of the Tonsil; Bharat B Yarlagadda, MD, Osamu Sakai, MD, Katie McDonough, NP, Minh-Tam Truong, MD, Scharukh Jalisi, MD; Boston Medical Center

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P519: Tips and Tricks in Surgical Management of Maxillary Sinus Tumors; Mohammed Zedan, MD, Ahmed Mustafa, MD, Ibrahim El-Dessouky, MD, Mohammed Shams El-Deen, MD, Ayman Amin, MD; National Cancer Institute, Cairo University

P520: Results of Treating Cancer of the Oropharynx with Alternating Chemoradiotherapy Using TPF (Docetaxel, Cisplatin, Fluorouracil); Daisuke Noda, MD, PhD, Shuji Koike, MD, Takashi Nasu, MD, Akihiro Ishida, MD, PhD, Seiji Kakehata, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Yamagata University School of Medicine, Yamgata

P521: Profile of Patients Treated Surgically for Malignant Neoplasm of the Oral Cavity and Oropharynx in a Tertiary Hospital; Fabio Pinto, PhD, MD, Beatriz Cavalheiro, PhD, MD, Marco Kulcsar, PhD, MD, Jorge Kim, MD, Alexandre Santos, MD, Claudio Cernea, PhD, MD, Lenine Brandao, PhD, MD; Department of Head Neck surgery-São Paulo University Medical School

P522: Primary Cardiac Angiosarcoma with Tonsillar Metastasis; Nancy Jiang, MD, Aldo Londino, MD, Fred Lin, MD; Mount Sinai School of Medicine

P523: Cervicostomy: Treatment of Deep Cervical Severe Infections in Several Stages; Nicolas Avalos, MD; Hospital Fuerza Aerea de Chile y Fundacion Arturo Lopez Perez, Chile

P524: Anterior Skull Base Reconstruction after Cranio-Facial Resections Using Galeal Pericranial Flap; Balagopal Prabhakar Gouri, MS, MCh, Mohammed Ibrahim, MS, Nebu Abraham George, MS, MRCS, Dip Nb, Mohammed Iqbal Ahamed, MS, Paul Sebastian, MS; Regional Cancer Centre, Trivandrum, Kerala, India

P525: Surgical Approach and Outcomes Following Temporal Bone Resection for Malignancy; Casey Vaughan, MBChB, Sahr Kortequee, MBChB, Sanjai Sood, MBChB, FRCS, Mohammed I Khan, FRCS, David A Watt, MBChB, FRCSPlast; Bradford Royal Infirmary, Bradford Teaching Hospitals NHS Trust, Bradford, West Yorkshire, UK

P526: Pleomorphic Variant Mantle Cell Lymphoma of the Tongue Base; Marisa A Ryan, MD, Samuel R Fisher, MD; Duke University Medical Center

P527: Parapharyngeal Space Tumours- a Retrospective Analysis; Balagopal Prabhakar Gouri, MS, MCh, George Nebu Abraham, MS, MRCS, Dip Nb, Thara Somanathan, MD, Renu Sukumaran, MD, Mohammed Iqbal Ahamed, MS, Paul Sebastian, MS; Regional Cancer Centre, Trivandrum, Kerala, India

OUTCOMES: RESEARCH AND QUALITY

P528: The Relationship Between Self-Reported Tobacco Use and Levels of Urinary Tobacco Metabolites in Smokers with HNSCC; Samir S Khariwala, MD, Steven G Carmella, BS, Irina Stepanov, PhD, Amy Anne Lassig, MD, Bevan Yueh, MD, MPH, Dorothy K Hatsukami, PhD, Stephen S Hecht, PhD; University of Minnesota

P529: Factors Associated with Neck Recurrence in Squamous Cell Carcinoma of the Head and Neck Treated with Definitive Radiation Therapy: The UAB Experience; Robert B Taylor, MD, PhD, Aleksandar F Dragovic, MD, Jimmy J Caudell, MD, PhD, James a Bonner, MD; University of Alabama Birmingham

P530: Superior Outcome of Immediate Voice Prosthesis Placement in the Setting of Primary Tracheoesophageal Puncture in Patients Undergoing Total Laryngectomy; Danny Jandali, BS, Mike Trudeau, PhD, Loni Arrese, SLP, David E Schuller, MD, Theodoros N Teknos, MD, Enver Ozer, MD, Matthew O Old, MD, Amit Agrawal, MD; The Ohio State University College of Medicine, Department of Otolaryngology - Head and Neck Surgery, The Ohio State University

P531: Referral for Tobacco Cessation Treatment Among Oral Cancer Patients: Room for Improvement; Andrew G Shuman, MD, Pablo H Montero, MD, Jay O Boyle, MD, Dennis H Kraus, MD, Ian Ganly, MD, PhD, Ashok R Shaha, MD, Jatin P Shah, MD, Bhuvanesh Singh, MD, PhD, Richard J Wong, MD, Maureen O'Brien, CNS, Jack H Burkhalter, PhD, Will Wickle, NP, Snehal G Patel, MD, Jamie S Ostroff, PhD; Memorial Sloan-Kettering Cancer Center

P532: Poor Outcomes in a Subset of Patients with HPV Positive Squamous Cell Carcinoma of the Head and Neck; Christina ST Wilhoit, CCRP, BA, Keisuke Shirai, MD, Anand K Sharma, MD, Paul E O'Brien, MD, Eric J Lentsch, MD, Terry a Day, MD, Amy Wahlquist, MS, Marion B Gillespie, MD; Medical University of South Carolina Department of Otolaryngology Head and Neck Surgery, Medical University of South Carolina Department of Medical Oncology, Medical University of South Carolina Department of Radiation Oncology

P533: Nutritional Support for Hypopharyngeal Cancer Patient: Naso-Duodenal Tube Feeding vs. Total Parenteral Nutrition, Which Is Better? - A Preliminary Result; Johnson Chia-Shen Yang, MD, Seng-Feng Jeng, MD, Chih-Yen Chien, MD; Kaohsiung Chang Gung Memorial Hospital, Taiwan

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P534: Prognosis of HPV Related Oropharyngeal Squamous Cell Carcinoma Is Dependent on the HPV Subtype; Hans J Welkoborsky1), MD, DDS, PhD, Hartmut Moebius1), MD, Lothar Bauer1), MD, Ludwig Wilkens2), MD, PhD; 1) Dept. of Otorhinolaryngology Head and Neck Surgery Nordstadt Clinic, Hannover, Germany; 2) Dept. of Pathology, Nordstadt Clinic, Hannover, Germany

P535: Shoulder Strength and Mobility after Level 2B Neck Dissection: A Double-Blinded, Randomized Controlled Trial; Peter T Dziegielewski, MD, Margie McNeely, PhD, Nigel Ashworth, MD, MSc, FRCPC, Daniel A O'Connell, MD, MSc, FRCSC, Catherine Kubrak, PhD, Jeffrey R Harris, MD, FRCSC, Praby Singh, MD, Kerry Courneya, PhD, Hadi Seikaly, MD FRCSC; University of Alberta

P536: Auditory-Perceptual Speech Outcomes and Quality of Life after Total Laryngectomy; Tanya Eadie, PhD, Kathy Nagle, MS, Adam Day, MS, Devon Sawin, BS, Derek Isetti, MS, Kristin Lamvik, MS, Philip Doyle, PhD; Department of Speech and Hearing Sciences, University of Washington, Seattle, WA, USA; and Health and Rehabilitation Sciences, and Department of Otolaryngology Head and Neck Surgery, University of Western Ontario, London, ON, Canada

P537: Voice, Speech, and Swallowing Outcomes: A Need for Research; Philip C Doyle, PhD, Jana Rieger, PhD, Julie Theurer, PhD; University of Western Ontario & University of Alberta

P538: Probability and Risk of Dysphagia in the First Year after RT for HNC; Susan E Langmore, PhD, CCCSLP, Gintas P Krisciunas, MA, MPH, Leena Rahmat, MD, Eric Wilsterman, BS, Denis Rybin, MS, Gheorge Doros, PhD, Timothy McCulloch, MD, FACS; Boston University Medical Center, University of Wisconsin-Madison

P539: Articulation Functioning in Patients with Advanced Head and Neck Cancer Treated with Concomitant Chemo-Radiotherapy: Acoustic Outcome and Mean Radiation Doses; Irene Jacobi, PhD, Lisette van der Molen, SLP, PhD, Wilma Heemsbergen, PhD, Michiel W van den Brekel, MD, PhD, Frans J Hilgers, MD, PhD; Department of Head & Neck Oncology & Surgery, The Netherlands Cancer Institute

P540: The Effect of Hospital Safety-Net Burden Status on Short-Term Outcomes and Cost of Care after Head and Neck Cancer Surgery; Dane J Genther, MD, Christine G Gourin, MD, MPH; Johns Hopkins Medical Institutions

P541: Barriers to Accessing Head & Neck Cancer Care Self-Identified by an Underserved Urban Community; Ryan Winters, MD, John Carter, MD, Rizwan Aslam, DO, MS, Paul Friedlander, MD; Tulane University

P542: Case Series Study of 33 Patients with Adenoid Cystic Carcinoma of the Head and Neck; Akihiro Ishida, MD, PhD, Takashi Nasu, MD, Daisuke Noda, MD, PhD, Shuji Koike, MD, Seiji Kakehata, MD, PhD; Department of Otolaryngology, Head and Neck Surgery, Yamagata University Faculty of Medicine

P543: Alpha B-Crystallin Is a Strong Predictive Factor for Poor Prognosis in Squamous Cell Carcinoma of the Head and Neck; Karin Annertz, MD, David Hall, Jens Enoksson, Rebecca Williams, Helene Jacobsson, David Chin, William B Coman, Johan Wennerberg; Dept of Otorhinolaryngology, Head and Neck Surgery, University Hospital, Lund, Sweden and 2) The Head and Neck Unit, University of Queensland, Princess Alexandra Hospital, Brisbane, Australia

P544: Tumor Regression Rate in Real Time-On-Treatment in Head and Neck Cancer Patients; Agata Hajduk, PhD, Lukasz Boguszewicz, Marcin Hutnik, Tomasz Rutkowski, PhD, Beata Lukaszczyk-Widel, Wieslawa Przeorek, PhD, Andrzej Wygoda, PhD, Maria Golen, PhD, Maria Sokol, PhD, Krzysztof Skladowski, PhD; I Radiotherapy Clinic, Department of Radiation Oncology, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland

P545: Factors Predictive of Carcinogen Exposure in Smokeless Tobacco Use: A Study of 265 Smokeless Tobacco Users; Samir S Khariwala, MD, Rachel Isaksson Vogel, MS, Stephen S Hecht, PhD, Dorothy K Hatsukami, PhD; Department of Otolaryngology-Head and Neck Surgery and Masonic Cancer Center, University of Minnesota

P546: Short-Term Outcomes and Cost of Care after Treatment of Head and Neck Paragangliomas; Jason Y Chan, MBBS, Christine G Gourin, MD, MPH; Johns Hopkins Medical Institutions

P547: The Feasibility of Day-Case Thyroid Surgery: A Review of 17 Years of Practice; Joel A Smith, MD, Neil Sharma, MD, John Watkinson, MD; University Hospital Birmingham, United Kingdom

P548: Risk Factors Related to the Cervical Recurrence in the Well-Differentiated Thyroid Carcinoma; Sang Joon Lee, MD, PhD, Woo-Sung Na, MD, Jeong-Hwan Moon, MD, Phil-Sang Chung, MD, PhD; Dept. of Otolaryngology-Head and Neck Surgery, Dankook University Hospital

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P549: Risk Factors and Survival Impact of Second Primary Malignancies in Patients with Head and Neck Squamous Cell Carcinoma; Dong Hwan Lee, MD, Jong-Lyel Roh, MD, PhD, Sung-Bae Kim, MD, PhD, Sang-wook Lee, MD, PhD, Seung-Ho Choi, MD, PhD, Soon Yuhl Nam, MD, PhD, Sang Yoon Kim, MD, PhD; Department of Otolaryngology, Asan Meidcal Center; University of Ulsan College of Medicine, Asanbyeongwon-gil 86, Songpa-gu, Seoul 138-736, Republic of Korea

P550: The Predictive Value of Wound Amylase as an Early Indicator for Pharyngocutaneous Fistula Following Head-And-Neck Surgery; Ju Hee Han, MD, Seung-Ho Choi, MD, PhD, Soon Yuhl Nam, MD, PhD, Sang Yoon Kim, MD, PhD; Department of Otolaryngology, Presbyterian Medical Center, Jeonju, Korea, Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea

P551: Healthcare Quality Calculator: A Tool for Determining Financial Impact of Poor Quality in Healthcare; Andrew B Sewell, MD, Erin L Tickle, MMHC, BSN, RN, Eric A Rhinehardt, MTS, Rod Harkleroad, MMHC, Marc L Bennett, MD, Deborah Johnson, MMHC, MEd, Li Wen, PhD, Matthew Pfeiffer, Manuel Benegas, JD, Julianne Morath, MS RN, Wendell G Yarbrough, MD, FACS; Vanderbilt University School of Medicine, Nashville TN; Duke University, Durham, NC

P552: Analysis of Charges Associated with Definitive Non-Surgical Therapy for Early-Stage Lateralized Tonsil Cancer; Carol M Lewis, MD, MPH, Gregory M Chronowski, MD, Wenli Dong, David I Rosenthal, MD, Kian K Ang, MD, PhD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

P553: Economic Impact of Head and Neck Cancer: Implications in a Developing Country; Mathan Mohan, MDS, Vikram Kekatpure, MS MCh, Nirav Trivedi, MS MCh, Moni Abraham Kuriakose, MD FRCS; Mazumdar-Shaw cancer center, Narayana Hrudayalaya, Bangalore, India

P554: Single Soft Tissue Flap Reconstruction of Large and Composite Oro-Mandibular Defects; Vikram D Kekatpure, MD, Manjula B V, MD, Nirav Trivedi, Moni Abraham Kuriakose, MD FRCS, Sumithra Selvam, MSc, Smita Mathais, MSc; Mazumdar-Shaw cancer center, Narayana Hrudayalaya, Bangalore, India

P555: Upper Aerodigestive Tract Cancer in Patients with Chronic Lymphocytic Leukemia; Nitin A Pagedar, MD, Thorvardur R Halfdanarson, MD, Lucy H Karnell, PhD, Henry T Hoffman, MD, Gerry F Funk, MD; University of Iowa

P556: The Incidence of Deep Venous Thrombosis and Pulmonary Embolus in the Otolaryngology - Head & Neck Surgery Patient Population; Frank G Garritano, MD, Genevieve A Andrews, MD; Penn State Hershey Medical Center

P557: No Difference in Survival Between High-Risk Type HPV Positive and Negative Patients with Oral or Oropharyngeal Squamous Cell Carcinoma; Karin Annertz, Kerstin Rosenquist, B G Hansson, Helene Jacobsson, Gunilla Andersson, Johan Wennerberg; Dept of ORL, Head and Neck Surgery, Lund University Hospital, Lund, Sweden and Dept of Oral Surgery and Oral Medicine, Faculty of Odontology, Malmö University, Malmö, Sweden

P558: Cost Analysis for Surgical Treatment of Mandibular Osteoradionecrosis; Aman S Grewal, MD, Jason T Rich, MD, Patrick J Gullane, CM, MB, FRCSC, FACS, FRCSC, Andrew J Hope, MD, Ralph W Gilbert, MD, FRCSC, BSC, Dale H Brown, BSc, BCh, FRCSC, MB, Pranshu Mohindra, MD; University of Toronto

P559: Optimizing Multimodality Treatment for Head and Neck Cancer in Resource Constrained Rural India; Nirav P Trivedi, MD, Pravin H Trivedi, MD, Harish H Trivedi, MD, Saroj P Trivedi, MD, Nirali N Trivedi, MD; Trivedi Community Cancer Center

P560: Initial Clinical Findings and Potential Impact of a Mathematical Model to Predict Behavior of Head and Neck Cancer; Erica Leavitt, BA, Bradford Diephus, BA, James Michaelson, PhD, Raymond Jean, BA, Sebastian Jara, BA, John Clark, MD, Daniel Deschler, MD, Kevin Emerick, MD; Massachusetts Eye and Ear Infirmary and Massachusetts General Hospital, Harvard Medical School

P561: Relevance of Comorbidity on Prognosis in Head and Neck Squamous Cell Carcinoma; Ashish A Ankola, BS, Nicolas F Schlecht, PhD, Michael B Prystowsky, MD, PhD, Catherine Sarta, RN, Richard V Smith, MD; Departments of Otorhinolaryngology-Head and Neck Surgery, Epidemiology and Population Health, and Pathology, Montefiore Medical Center, Albert Einstein College of Medicine, Bronx, New York, USA

P562: Smoking Cessation Practices Among Health Professionals; Hussain Alsaffar, MD, Philip C Doyle, Kevin Fung; University of Western Ontario

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P563: Impact of Routine Esophageal Screening on Synchronous and Metachronous Esophageal Squamous Cell Carcinoma in Patients with Head and Neck Cancer; Chau-Shiang Guo, MD, Chih-Yen Chien, MD, FACS; Department of Otolaryngology, Chang Gung Memorial Hospital - Kaohsiung Medical Center, Chang Gung University College of Medicine, Kaohsiung, Taiwan

P564: Changes in Social Inequality in Smoking-Attributable Upper Aero Digestive Tract Cancer Mortality in Canadian Males Between 1986 and 2001; Sonica Singhal, BDS, MPH, MSc, Carlos R Quiñonez, DMD, MSc, PhD, Prabhat Jha, MD, DPhil; 1. Community Dental Health Services Research Unit, Faculty of Dentistry, University of Toronto, Ontario, Canada, 2. Centre for Global Health Reasearch, Li Ka Shing Knowledge Institute, St. Michael's Hospital, Toronto, Canada

P565: An Algorithm to Predict Postoperative Local and Systemic Complication in Oropharynx and Oral Cavity Carcinoma; Luigi Santoro, MSc, Marta Tagliabue, MD, Maria Angela Massaro, PhD, Mohssen Ansarin, MD, Luca Calabrese, MD, Gioacchino Giugliano, MD, Daniela Alterio, MD, Marek Planikca, MD, Marco Benazzo, MD, Fausto Chiesa, MD, Enrica Grosso, MD; European Institute of Oncology

P566: Oral, Head and Neck Cancer Awareness Week: 15 Years of Growth and Directions for the Future; Terrence A Day, MD, Sue G Reed, DDS, Christina ST Wilhoit, CCRP, BA, Jerry Delgaudio, MD, Steven Rosner, MD, Iman Naseri, MD, Wendell Yarbrough, MD, Cherie Ann Nathan, MD, John Groves, Ann Durgun, Jerry Goldstein, MD; Medical University of South Carolina Department of Otolaryngology Head and Neck Surgery, LSU Health, Vanderbilt-Ingram Cancer Center, University of Florida College of Medicine, Emory University Oral and Maxillofacial Surgery

P567: Papillary Thyroid Microcarcinoma: What Is the Significance of Lesions Diagnosed Incidentally on Histology?; Talib Al Maqbali, MD, Nick Campain, MD, James Risely, MD, Hisham Mehannah, PhD, FRCS; Institute of Head & Neck Studies and Education (InHANSE)

P568: Malignancy Risk Analysis in Patients with Inadequate Fine Needle Aspiration Cytology (FNAC) of the Thyroid; Talib Al Maqbali, MD, Miro Tedla, MD, Martin Weickert, MD, Hisham Mehannah, PhD, FRCS; Institute of Head & Neck Studies and Education (InHANSE)

P569: Use of Curcumin and Other Indigenous Plant Derivatives in Prevetion of Head and Neck Cancers; Sandeep Agarwal, Parul Agarwal; Purushottamdas Savitridevi Cancercare & Research Centre

P570: Adapting the "About Face" Survey for American Indians; Sunshine M Dwojak, MD, MPH, Beverly A Guadagnolo, MD, MPH, Michele Sargent, RN, Kevin S Emerick, MD, Daniel G Petereit, MD, Daniel G Deschler, MD

P571: The Morbidity and Predictors of Depressive Disorder in Patients with Head and Neck Cancer in South Taiwan: A 6-Month Follow-Up Study; Yu Lee, MD, Chih-Yen Chien, MD, Fu-Min Fang, MD, PhD, Nien-Mu Chiu, MD, Mian-Yoon Chong, MD, PhD; Kaohsiung Chang Gung Memorial Hospital

P572: Association Between the Erythrocyte Sedimentation Rate, Serum C-Reactive Protein and Recurrence of Tongue Squamous Cell Carcinoma; Jae-Gu Cho, MD, Seung-Kuk Baek, MD, Soon-Young Kwon, MD, Kwang-Yoon Jung, MD, Jeong-Soo Woo, MD; Department of Otolaryngology–Head and Neck Surgery, Korea University College of Medicine

P573: Defining a Role for Physician Assistants in Head and Neck Surgical Oncology; H Sigvaldason, CCPA, A Pathak, MD, R Nason, MD; Cancer Care Manitoba

P574: Challenges in Management of Head and Neck Cancer in Rural India; Shehnaz R Kantharia, Dr, Rajesh A Kantharia, Dr; Kailash Cancer Hospital and Research Center

P575: Surgical Approach for Parapharyngeal Space Tumors: Case Series and Review of Literature; Marcelo F Figari, MD, Miguel A González, MD, Edgardo D Franciosi, MD, Alfredo J Ríos, MD, Pedro I Picco, MD, Juan J Larrañaga, MD, Eduardo L Mazzaro, MD; Hospital Italiano de Buenos Aires

P576: Treatment Problem in Aged Head and Neck Cancer; Masashi Sugasawa, MD, PhD, Mituhiko Nakahira, MD, Kei Morita, MD, Fumihiko Takajyou, MD, Satoko Matumura, MD, Kiyomi Kuba, MD, Takashi Inoue, MD; Department of Head and Neck Surgery, Saitama Medical University International Medical Center

P577: Evaluating the Efficacy and Complications of Chemoprophylaxis for Venous Thromboembolism in Otolaryngology; Vinita Bahl, DMD, MPP, Andrew G Shuman, MD, Hsou M Hu, MBA, MHS, PhD, Christopher R Jackson, MD, Cesar Alaniz, PharmD, Douglas B Chepeha, MD, Carol R Bradford, MD; University of Michigan Health System

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P578: Thyroid Hormone Replacement, Surveillance Ultrasound, and Fine Needle Aspiration after Hemithyroidectomy: A Single Surgeon'S Experience in a North American Academic Institution; Salem I Noureldine, MD, Saleh a Massasati, MD, William Kethman, BSE, Emad Kandil, MD, FACS; Tulane University School of Medicine

P579: Impact of Radiotherapy and Surgery on the Specificity and the Sensitivity of Direct Endoscopic Autofluorescence and Its Use in the Management of Laryngeal Cancer; Vojtech Kavecansky, MD, Norbert Lukan, MD, PhD, Ivan Cavarga, MD, PhD, Peter Feciskanin, MD, Peter Bohus, MD; ENT Department, ORL Humenne, S.R.O., Gastanova 2883/69, Humenne, Slovakia

P580: Integration of Geriatric and Palliative Care in Care of Patients with Head and Neck Cancer; Ara A Chalian, MD, FACS, Sarah H Kagan, PhD, RN; University of Pennsylvania

P581: Use of a Head and Neck Cancer-Specific Scorecard as a Tool for Measuring Quality Care; Michael E Stadler, MD, Dan Cox, BS, Brian Nussenbaum, MD; Washington University School of Medicine

P582: The Feasibility of Developing an Oral Cancer Questionnaire for the Hispanic Migrant Farmworker; David P Schenck (1), PhD, Cristina J Claudio (3), PhD, Matthew J Mifsud (2), MD, Tapan A Padhya (1,2), MD; 1) Moffitt Cancer Center, Tampa, Florida USA, 2) Universty of South Florida College of Medicine, 3) University of San Juan College of Dental Medicine, San Juan, Puerto Rico, USA

P583: Neo-Adjuvant Chemotherapy in Locally Advanced Head and Neck Cancers; Sandeep Agarwal, MS, DNB, Parul Agarwal, MD; Purushottamdas Savitridevi Cancercare & Research Centre

P584: Utility Scores in Head and Neck Cancer; Michael K Gupta, MD, FRCSC, Jen Hoogenes, MS, Lillian Doerwald-Munoz, MRTT, Ian Hodson, PhD, MRCP, FRCPC; McMaster University, Hamilton, Ontario, Canada

P585: Inverted Papilloma - A Eleven Year Review; Vishnu V Martha, MSDLODNB, PhD; Osmania Medical College, Hyderabad, India

P586: Challenges in the Manage, ENT of Head and Neck Cancer in Developing Countries; Sangita Bhandary; BP Koirala Institute of Health Sciences

P587: Locoregional Recurrence in Free Flap Surgery for Advanced Stage Head and Neck Cancer; R Murphy, MD, D O'Connell, MD, MSc, H Seikaly, MD, J Harris, MD, D MacNeil, MD; University of Alberta

P588: Radical Radiation for Unknown Primary Squamous Cancer Yields High Control But Has Major Toxicity Suggesting Need for New Treatment Paradigm; Tarun Bhandari, MD, Harold J Wanebo, MD, FACS, Kathy Radie-Keane, MD, Ritesh Rathore, MD; Landmark Medical Center, Woonsocket, RI, Roger Williams Medical Center, North Main Radiation Unit, Providence, RI

P589: Using Case-Mix Index (CMI) to Evaluate the Complexity of Head & Neck Oncologic Surgery and Economic Impact of a Head & Neck Oncologic Surgeon; Akshay Sanan, BA, Kate McDonough, NP, Minh Tam Troung, MD, Michael Platt, MD, Scharukh Jalisi, MD; Boston University School of Medicine

P590: JBENT: Portable ENT Treatment Unit; John B Espina, MD, Celso V Ureta, MD, FPSOHNS; Veterans Memorial Medical Center

P591: Diffuse Large B-Cell Lymphoma of the Sinonasal Tract; KA Saleh, Dr, SHA Primuharsa Putra, Dr, BS Gendeh, Assoc Prof; 1Department of Otorhinolaryngology-Head and Neck Surgery, University Kebangsaan Malaysia Medical Centre and Nose and Throat-Head & Neck Consultant Clinic, KPJ Seremban Specialist Hospital, Seremban, Negeri Sembilan, Malaysia

P592: Is the Time Now for Head and Neck Oncology Centers of Excellence?; Robert H Lindau, MD, Aru Panwar, MD, William M Lydiatt, MD; University of Nebreska Medical Center

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P594: Patient-Reported Pain and Dysphagia, Not Functional Assessment of Swallowing, Predicts Survival in Untreated Head and Neck Cancer Patients; Miriam Lango, MD, Carolyn Fang, PhD, Sandy Schwartz, SLP, Barbara Ebersole, SLP, Tom Galloway, MD, Ranee Mehra, MD, Drew Ridge, MD, PhD; Fox Chase Cancer Center

P595: Successful Salivary Preservation, Improved Quality of Life and Increased Uptake by Pet Scan Following Submandibular Gland Transposition Prior to Radiation Therapy; Robert C Wang, MD, Annabel E Barber, MD, Alex Facque, MD, Marcia Ditmyer, PhD; University of Nevada School of Medicine

P596: What Is a Clinically Relevant Difference in MDadi Scores in Head and Neck Cancer Patients?; Katherine A Hutcheson, PhD, Asher Lisec, BS, Denise a Barringer, MS, Martha a Portwood, MPH, Jan S Lewin, PhD; The University of Texas MD Anderson Cancer Center

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P598: The Functional Intraoral Glasgow Scale in Floor of Mouth Carcinoma: Longitudinal Assessment of 62 Consecutive Patients; Mohamed A Ellabban, MBBCh, MSc, MRCS, MD, FEBOPRAS, Taimur Shoaib, John Devine, Jeremy McMahon, Stephen Morley, Osama Antar, Sherif Farrag, Taha Moati, David Soutar; Plastic and Reconstructive Surgery Unit, Suez Canal University Hospitals, Ismailia, Egypt; Canniesburn Plastic Surgery Unit, Glasgow, United Kingdom; West of Scotland Regional Oral and Maxillofacial Unit, Southern General Hospital, Glasgow, United Kingdom

P599: Quality Measures for Head and Neck Cancer Management; Carol M Lewis, MD, MPH, Heidi W Albright, MHA, CHFP, Ronald S Walters, MD, MBA, MHA, MS, Thomas W Feeley, MD, Ehab Y Hanna, MD, Randal S Weber, MD; University of Texas MD Anderson Cancer Center

P600: Systematic Review and Meta-Analysis Techniques: Application of Methodological Standards in Head and Neck Research; Barry T Malin, MD, MPP, Katherine E Hicks, BS, MS, Akash Anand, MD, M. Boyd Gillespie, MD, MS, Terry A Day, MD; Medical University of South Carolina

P601: Health Related Quality of Life and Survival in HPV-Related Oropharyngeal Cancer Patients Undergoing Trans-Oral Robotic Surgery; Maykong C Leepalao, Eric J Moore, MD, Michael L Hinni, MD; Mayo Clinic

P602: Systematic Review of the Use of Quality of Life Measures in Oral and Oropharyngeal Cancer; Sami P Moubayed, MD, Liyue Xie, MD, John S Sampalis, PhD, Tareck Ayad, MD, Apostolos Christopoulos, MD, MSc; Centre Hospitalier de l'Université de Montréal (CHUM)

P603: A Comparative Analysis of Quality of Life in Patients Diagnosed with Head and Neck Cancer; Mark Varvares, MD, Kara Christopher, MS, MPH, Rebecca Dougherty, MSW, LCSW, Christina Popp, MPH, RD, LD, Cathy Turcotte, MSN, Dennis Fuller, PhD, Lynne Klipsch, RN; Saint Louis University Cancer Center

P604: A Simple Tool for Collecting Clinical Head and Neck Data; K A Andi, FDSRCS, FRCS, FHEA, PgCert, MedEd, M McGurk, MD, FDSRCS, FRCS; Guy's and St Thomas' NHS Foundation Trust

P605: The Association of Psoas Muscle Morphology with Physical Health in Patients with Head and Neck Cancer; Paul C Walker, MD, Trisha L Thompson, BS, Lucy H Karnell, PhD, Gerry F Funk, MD, Nitin a Pagedar, MD; University of Iowa Hospitals and Clinics, University of Iowa Roy J. and Lucille A. Carver College of Medicine

P606: Impact of Pathology Overreads at Head and Neck Tumor Board; Elizabeth C Kao, BS, Cheng Z Liu, MD, PhD, Greg A Krempl, MD; University of Oklahoma Health Sciences Center

P607: Clinical Study of 45 Cases of Elderly People with Head and Neck Cancer; Yoshimitsu Saito, MD, Shoji Watanabe, MD, PhD, Sigeru Kasugai, MD, Izumi Koizuka, MD, PhD; Department of Otolaryngology, St. Marianna University School of Medicine, Kawasaki, Japan

P608: Clinical Validation of the EORTC Head and Neck Module to Measure Health-Related Quality of Life in Mexican Patients; Jose F Carrillo, MD, Miguel A Ortiz, MD, Luis F Onate-Ocana, MD; Instituto Nacional De Cancerologia

P609: Age and Stage as Determinants of Treatment for Oral Cavity and Oropharyngeal Cancers in the Elderly; David Goldenberg, MD, Heath Mackley, MD, Wayne Koch, MD, Eric W Schaefer, MS, Christopher S Hollenbeak, PhD; Penn State College of Medicine

P610: Pre-Treatment Health Related Quality of Life Scores Predict Survival in a Prospective Cohort of Head and Neck Squamous Cell Carcinoma Patients; Arild A Osthus, MD, Anne Kari H Aarstad, PhD, Jan Olofsson, MD, PhD, Hans Jorgen Aarstad, MD, PhD; Department of Surgical Sciences, University of Bergen, Haukeland University Hospital, Norway

P611: Prognostic Value of Quality of Life During Follow-Up on Survival for Patients with Nasopharyngeal Carcinoma after Treatment; Fu-Min Fang, MD, Chih-Yen Chien, MD; Departments of Radiation Oncology and Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

P612: Cross-Validation of the Hospital Anxiety and Depression Scale in an Ethnically Diverse Outpatient Sample of Head and Neck Cancer Patients in Miami, Florida; Christopher Fundakowski, MD, Pascal Jean-Pierre, PhD, MPH, Enrique Perez, Ashley Jean-Pierre, Angelica Melillo, Rachel Libby, Zoukaa Sargi, MD; University of Miami - Leonard Miller School of Medicine

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P613: A Prospective Quality of Life Study in a Group of Head and Neck Cancer Patients: A Single Institutions Experience; Mark Varvares, MD, Kara Christopher, MS, MPH, Rebecca Dougherty, MSW, LCSW, Christina Popp, MPH, RD LD, Cathy Turcotte, MSN, Dennis Fuller, PhD, Lynne Klipsch, RN; Saint Louis University Cancer Center

P614: Quality of Life of the Advanced Oro- and Hypopharyngeal Cancer Patients Treated by Chemoradiation Therapy; Kenji Okami, MD, Akihiro Sakai, MD, Kouji Ebisumoto, MD, Masahiro Iida, MD, Koichiro Nishiyama, MD; Department of Otolaryngology, Tokai University

P615: Development of the Korean Version of the University of Washington Quality of Life Questionnaire for Patients with Head and Neck Cancer; Moon Young Chang, MD, Wonjae Cha, MD, Seungno Hong, MD, Chang Myeon Song, MD, J.Hun Hah, MD, Myung-Whun Sung, MD, PhD, Kwang Hyun Kim, MD, PhD, Tack-Kyun Kwon, MD, PhD, Hyo Geun Choi, MD, Hee Jin Kim, MD, Won Yong Lee, MD; 1Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University School of Medicine, Seoul, Korea

P616: Validation of 3 Proms for Voice Following Chemoradiation for Head and Neck Cancer; Elaine McColl, PhD, Joanne Patterson, PhD, Janet Wilson, MD, FRCS, Vinidh Paleri, MS, FRCS; The Newcastle upon Tyne Hospitals NHS Trust, Newcastle upon Tyne, United Kingdom

P617: Quality of Life Following Lateral Skull Base Tumour Treatment: A Qualitative Study; Omar Taha, Mohammed Monem, Ihsaan Al-Hadad, Rula Najim, Beth Grunfeld; Kings College London

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P619: Innovations in Fibula Maxillary and Bimaxillary Reconstruction; Andrew Lyons, MS, FRCS, Thomas Pezier, MRCS, Iain Nixon, MD, Michael Fenlon, FDS; Guy's & St Thomas' NHS Foundation Trust

P620: Assessment of Anterolateral Thigh Donor Site Morbidity in Over 120 Patients; Tammara L Watts, MD, PhD, Mark K Wax, MD; University of Texas Medical Branch and Oregon Health Science University

P621: Using Computational Fluid Dynamic Modeling to Predict Flow Disturbance and Thrombosis Within Arterial Microvascular Anastomosis; Jonathan T Elliott, BMSc, Christopher J Chin, MD, Jason H Franklin, MD, FRCSC; Department of Medical Biophysics & Department of Otolaryngology-Head and Neck Surgery, University of Western Ontario

P622: Analysis of the Effect of BMP-2 on Proliferation of Head and Neck Squamous Cell Carcinoma Cell Lines; Timothy Lian, MD, FACS, Cheryl Clark, PhD, Tara Moore-Medlin, BS, Cherie-Ann Nathan, MD, FACS; Louisiana State University Health Sciences Center - Shreveport Feist-Weiller Cancer Center

P623: Reconstruction of the (Crico) Trachea for Malignancy in the Virgin and Irradiated Neck; Sydney Ch'ng, MD, Markus Brunner, MD, Carsten Palme, John McGuinness, MD, Bruce Ashford, MD, Gerald L Wong, MD, Jonathan R Clark, MD; Sydney Head & Neck Cancer Institute, Royal Prince Alfred Hospital, Missenden Road, Camperdown, Sydney, New South Wales, Australia

P624: Fully 3D Digitally Planned Dental Implant Insertion in Free Vascularised Fibula for Immediate Prosthetic Loading During Secondary Reconstruction of Craniofacial Defects; Max J Witjes, MD, DDS, PhD, Gerry M Raghoebar, MD, DDS, PhD, Jan L Roodenburg, DDS, PhD, Harry Reintsema, DDS, PhD, Lars Lahoda, MD, Rutger Schepers, MD, DDS; Dep Oral & Maxillofacial Surgery, Dep Plastic Surgery, University Medical Center, University of Groningen, The Netherlands

P625: The Use of Stereolithographic Models, Pre-Contoured and Pre- Localised Plates for Bony Reconstructions in the Head and Neck; Cellan Thomas, FRCSMaxfac, Sat Parmar, FRCSMaxfac, Tim Martin, FRCSMaxfac, Peter Jeynes, Mr; Queen Elizabeth Hospital, Birmingham, UK

P626: Using the Free Fibula for Maxillary Reconstruction; Thomas F Pezier, MA, MSc, MRCS, DOHNS, Andrew J Lyons, FRCS, OMFS, Kavin Andi, FRCS, OMFS, Andrew Lyons, FRCS, OMFS; Guy's & St. Thomas's Hospital NHS Foundation Trust, London, UK

P627: A Prospective Study on Donor Site Morbidity and Satisfaction in Oral Cancer Patients Undergoing Ablative Surgery and Primary Reconstruction Employing Microvascular Free Flaps; Stefan Schultze-Mosgau, MD, DMD, PhD, Cornelia K Mueller, MD; Department of Oral and Maxillofacial Surgery/ Plastic Surgery, University Hospital Jena

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P628: A Computational Fluid Dynamic Model of the Microvascular Venous Anastomotic Options in Head and Neck Reconstruction; Christopher J Chin, MD, Jonathan T Jonathan, BMSc, Jason H Franklin, MD, FRCSC; Department of Otolaryngology-Head and Neck Surgery & Department of Medical Biophysics, University of Western Ontario

P629: The Use of Zygomatic Implants for the Retention of Nasal Prosthesis Following Rhinectomy; Madhav Kittur, Peter Evans, Simon C Hodder; Dept of Oral and Maxillofacial Surgery, Morriston Hospital Swansea, UK

P630: Comparison of Complications Using Acellular Dermal Allografts vs. Dermal Autografts for Carotid Coverage in Patients Undergoing Surgery for Head and Neck Cancer; David E Melon, MD, David E Schuller, MD, Theodoros N Teknos, MD, Enver Ozer, MD, Mattew O Old, MD, Amit Agrawal, MD; The Ohio State University Medical Center-Department of Otolaryngology Head and Neck Surgery

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P632: Analysis of Postoperative Hospital Course after Free Flap Reconstruction; Woo-Jin Jeong, MD, Seung-No Hong, MD, Myung-Whun Sung, MD, Kwang Hyun Kim, MD, Soon-Hyun Ahn, MD; Seoul National University Bundang Hospital, Seoul National University Hospital

P633: Maxillary Reconstruction with a Digitally Pre-Planning and Prefabrication of Fibular Free Flaps; Hadi Seikaly, MD, FRCSC, Danielle MacNeil, MD, FRCSC, Jeffrey Yu, MD, Andrew Grosvenor, DT, MIMPT, Martin Osswald, BDS, MDent Prosthodontics, Walter Dobrovolsky, BSc, DDS, FRCDC, Kal Ansari, MD, FRCSC, Daniel A O'Connell, MD, FRCSC, John Wolfaardt, BDS MDent Prosthodontics PhD; University of Alberta

P634: Mandible and Maxilla Reconstruction with Vascularised Free Fibula Osteocutaneous Flap in Pediatric Age Group; Vinay K Shankhdhar, MChMS, Prabha S Yadav, Prof, Jaiswal Dushyant, MCh, Selva S RamanS, MCh; Tata Memorial Hospital, Mumbai

P635: Flap Outcomes When Training Residents in Microvascular Anastomosis in the Head and Neck; Urjeet A Patel, MD, Alice C Lin, MD; Northwestern University, Chicago, IL; Cook County Hospital (Stroger), Chicago, IL

P636: Influence of Multimodal Treatment on the Health Related Quality of Life in Oral Cancer Patients - A Prospective Study; Stefan Schultze-Mosgau, MD, DMD, PhD, Cornelia K Mueller, MD; Department of Oral and Maxillofacial Surgery/ Plastic Surgery, University Hospital Jena

P637: Utilization of the Latissimus Dorsi Free Tissue Transfer in Craniofacial and Skullbase Reconstruction; Akash G Anand, MD, Caroline A Banks, MD, Barry T Malin, MD, Terry A Day, MD, Eric J Lentsch, MD, Judith M Skoner, MD; Medical University of South Carolina

P638: Diagnosis and Management of Extensive Extracranial Head and Neck Arteriovenous Malformations; James Suen, MD Professor, Gresham Richter, MD; Univ. of Arkansas for Medical Sciences

P639: Rhabdomyolysis and Acute Kidney Injury in Patients Undergoing Prolonged Head and Neck Operations; Gledson a Santos, MD, Fernando L Dias, PhD, MD, Roberto a Lima, PhD, MD, Terence P de Farias, MD, Emilson Q de Freitas, MD, Ullyanov B Toscano, MD, Luciana C a Arcoverde, MD, Maíra B S Botelho, MD, Uirá L M S M Coury, MD; Brazilian National Cancer Institute-INCA (MS/RJ)

P640: Toronto Profile of Head and Neck Functional Status; Marlene C Jacobson, PhD; Sunnybrook Odette Cancer Centre

P641: Outcome of Dental Implants in Head and Neck Cancer Patients Radiated with 3-Dimensional Conformal or Intensity Modulated Radiotherapy and Reconstructed with or Without Free Microvascular Anastomosis Flaps; Stephan Studer, PD Dr med dent, Marius Bredell, Dr, Gabriela Studer, PD, Dr, Roger Zwahlen, Prof, Dr, Klaus W Graetz, Prof, Dr; 1 University Hospital Zurich, Department of Maxillofacial Surgery, 2 Department of Radio-Oncology; 3 Private Dental Office, Limited to Cancer Patients, Zurich, Switzerland; 4 Discipline of Oral and Maxillofacial Surgery, University of Hong Kong, China

P642: Temporomandibular Function Following Radiotherapy (RT) for Head and Neck Cancer; Aaron J Jaworek, MD, William M Mendenhall, MD, Robert J Amdur, MD, Pamela Sandow, DMD, Henrietta N Logan, PhD, John W Werning, MD DMD; University of Florida

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P643: Evaluation of Individually Fitted Prosthesis for Dysmorphic Tracheostoma after Laryngectomy; Christoph Bergmann, MD, Kathrin Scherkenbach, MD, Thomas Stark, MD, Murat Bas, MD, Martin Heisterkamp, MD, Martin Wagenmann, MD, Jens Greve, MD, Patrick Schuler, MD, Wolfgang Angerstein, MD, Sonja Dockter, MD, Thomas K Hoffmann, MD; Department of Otorhinolaryngology, University Hospital Essen, Clinic for Otorhinolaryngology, Klinikum Rechts der Isar, München, Department of Phoniatrics and Department of Otorhinolaryngology, Heinrich-Heine-University, Düsseldorf, Germany

P644: Digital Planning Improves the Accuracy of Mandibular Reconstruction; Hadi Seikaly, MD, FRCSC, Danielle MacNeil, MD, FRCSC, Martin Osswald, BDS, MDent, John Wolfaardt, BDS, MDent, PhD, Kal Ansari, MD, FRCSC, Daniel A O'Connell, MD, FRCSC, Andrew Grosvenor, DT, MIMPT, Jeffery R Harris, MD, FRCSC; University of Alberta

P645: Reconstruction of the Pediatric Midface for Oncologic Defects: The Montefiiore Medical Center Experience; Matthew Doscher, MD, Satyen Undavia, MD, Donald Yoo, MD, Evan Garfein, MD; Montefiore Medical Center - Albert Einstein College of Medicine

P646: The 'Papillon' Flap for Pharyngoesophageal Reconstruction: A New Technique; Richard E Hayden, MD, Andrew Patel, MD, David Mullin, MD, Michael Hinni, MD, Namou Kim, MD; Mayo Clinic Arizona, Swedish Medical Center

P647: Beavertail Modification of the Radial Forearm Free Flap in Near Total Glossectomy: Technique and Functional Outcomes; Peter T Dziegielewski, MD, Daniel a O'Connell, MD, FRCSC, Khalid Ansari, MD, FRCSC, Jana Rieger, PhD, Vince Biron, MD, PhD, Jeffrey Harris, MD, FRCSC, Hadi Seikaly, MD, FRCSC; University of Alberta

P648: Volume Changes of Reconstructed Tongue and Functional Outcomes after Partial Glossectomy with Reconstruction Using Radial Forearm Free Flap; Young-Hoon Joo, Se-Hwan Hwang, Jun-Ook Park, Kwang-Jae Cho, Min-Sik Kim; The Catholic University of Korea

P649: Comparison of Free Flap Reconstruction (FFR) Complications in Patients with or Without Hyperbaric Oxygen Therapy (HBO) for Osteoradionecrosis; David Nolen, MD, Steven B Cannady, MD, Joseph Scharpf, MD, Mark Wax, MD, Simone Lisac, RN, Samuel R Fisher, MD, Richard Scher, MD, Liana Puscas, MD, John Freiberger, MD, Michael Fritz, MD, Ramon M Esclamado, MD, Walter T Lee, MD; Cleveland Clinic, Duke University Medical Center, Oregon Health Sciences University Hospital, Rochester Head and Neck Center

P650: Compensatory Movements after Free-Flap Tongue Reconstruction - A 4D Mri Study; Emi Z Murano, MD, PhD, Fangxu Xing, MS, Jonghye Woo, PhD, Robert A Ord, DDS, MD, Maureen Stone, PhD, Jerry L Prince, PhD; Johns Hopkins Medical Institutions, Johns Hopkins University, University of Maryland

P651: Acoustic Evaluation of Speech in Oral Cavity and Oropharyngeal Cancer Patients Treated with Primary Surgery; Raghav C Dwivedi, MRCS, DOHNS, MS, FICS, PhD, Suzanne St.Rose, PhD, Edward J Chisholm, MD, FRCS, ORLHNS, Peter M Clarke, FRCS, Cyrus J Kerawala, FRCS, FDSRCS, Christopher M Nutting, MD, FRCP, FRCR, Peter H Rhys-Evans, FRCS, FACS, Kevin J Harrington, FRCP, FRCR, PhD, Rehan A Kazi, MS, FRCS, FACS, PhD; Royal Marsden Hospital & Institute of Cancer Research, London, UK

P652: Dysphagia Boot Camp for Tongue Cancer Patients; Laishyang M Ouyoung, MS, CCCSLP, Brenda Villegas, MS, CCCSLP, Uttam K Sinha, MD; Keck Medical Center of USC

P653: A New Technique for Reinforcement of Salvage Laryngectomy Closure: The Bipedicled Submental Myofascial 'Hammock' Flap; Richard E Hayden, MD, David Mullin, MD, Andrew Patel, MD, David Lott, MD, Michael Hinni, MD, Carrlene Donald, PAC; Mayo Clinic Arizona

P654: The Safe Use of Free Flaps for Reconstruction in the Surgery for Head and Neck Cancer of the Elderly Patients; Munenaga Nakamizo, MD, Kazuhiko Yokoshima, MD, Yuko Tone, MD, Atsuko Sakanushi, MD, Shunta Inai, MD, Kimihiro Okubo, MD, Hiko Hyakusoku, MD, Yumiko Oe, MD, Atsuhiro Sakamoto, MD; Department of Otolaryngology, Head and Neck Surgery, Department of Plastic Surgery, Department of Anesthesiology, Nippon Medical School, Tokyo, Japan

P655: Obstructive Sleep Apnea in Tongue Cancer Patients after Reconstructive Surgery with Radial Forearm Free Flap; Hanna R Gilat, MD, Thomas Shpitzer, MD, Gideon Bachar, MD; Department of Otorhinolaryngology & Head and Neck Surgery, Rabin Medical Center, Beilinson Campus

P656: Posterior Distal Approach to Fibula Osteocutaneous Flap Harvest; Ara A Chalian, MD, FACS, Andrew Cowan, MD; University of Pennsylvania

P657: Challenging the Position of Buried Free Flap Survivorship; Robert H Lindau, MD, Kara Detwiller, MD, Vindhya Subramanyam, MS, Mark K Wax, MD; Oregon Health and Science University

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P659: Use of a Combined Latissimus Dorsi Scapular Free Flap Revascularized with Vein Grafting to the Internal Mammary Artery/Vein in a Vessel Depleted Neck and Following Extensive Prior Radiation Therapy: A Case Series; Mark L Urken, MD, FACS, Mark L Smith, MD, FACS, Daniel Buchbinder, MD, DMD, Jason B Clain, BS, William E Karle, BS, Sophie Scherl, BA, Sumeet M Anand, MD, MSc, FRCSC; Beth Israel Medical Center, New York, NY

P660: Complications in Head and Neck Surgery: A Novel Method for Collecting and Grading Surgical Complications; Eric a Monteiro, BSc, MD, David Goldstein, MD, MSc, FRCSC; University of Toronto; University Health Network; Princess Margaret Hospital

P661: Prevalence and Characterization of Trismus in Patients Treated for Head and Neck Cancer; Mayara Gonçalves, Luiz Paulo Kowalski, MD, PhD, Telma Ribeiro Rodrigues, Antônio Cássio Assis Pellizzon, Celena Freire Friedrich Vilela; Hospital A C Camargo

P662: Characterization of Mandibular Motion in Head and Neck Cancer Patients after Radiation Therapy (RT); Aaron J Jaworek, MD, William M Mendenhall, MD, Robert J Amdur, MD, Pamela Sandow, DMD, Henrietta N Logan, PhD, John W Werning, MD, DMD; University of Florida

P663: Anatomic Basis for Inverse Planning of Mandibular Reconstruction; B Bala Guhan, Dr, Girish Shetkar, Dr, Manjula BV, Dr, A Mathan Mohan, Dr, Nirav Trivedi, Dr, Vikram Kekatpure, Dr, Pramod Subash, Dr, Venkat Ramana Bhat, Dr, Moni Abraham Kuriakose, Dr; Mazumdar Shaw Cancer Centre,Narayana Hrudayalaya Hospitals, Bangalore, India

P664: The Effectiveness of Buccinator Myomucosal Flap for Tongue Reconstruction in Edentulous Patients; Seung Hoon Woo, Byung Kuhn Park, Sang Kyu Park; 1Gyeongsang National University, 2 Konyang University, 3 Wallace Memorial Baptist Hospital

P665: Evaluation of the Ureta Secondary Voice Reconstruction after Total Laryngectomy; John B Espina, MD, Celso V Ureta, MD, FPSOHNS; Veterans Memorial Medical Center

P666: Novel Composite Implants for Craniofacial Reconstructions; Kalle Aitasalo, MD, Ville Vuorinen, MD, Pekka Vallittu, MD; Department of Otorhinolaryngology - Head and Neck Surgery, Turku University Hospital, Turku, Finland

P667: Maxillary Reconstruction Using Composite Anterolateral Thigh-Fascia Lata Flap; Min-Sik Kim, Young-Hoon Joo, Dong-Il Sun, Kwang-Jae Cho, Jun-Ook Park, Inn-Chul Nam; the Catholic University of Korea

P668: Acute Malnutrition Is a Risk Factor for Microvascular Free Flap Failure; Jonathan W Shum, DDS, MD, Etern S Park, DDS, MD, Michael R Markiewicz, DDS, MD, MPH, R. Bryan Bell, DDS, MD, Tuan G Bui, DDS, MD, Bryce E Potter, DMD, MD, Eric J Dierks, DMD, MD; Oregon Health and Science University, Legacy Emanuel Medical Center, Head, Neck and Oral Cancer Program-Providence Cancer Center, Head and Neck Surgical Associates

P669: Botulinum Toxin Use for Pharyngoesophageal Spasm Treatment in Patients Submited to Total Laryngectomy; Marcelo B Menezes, PhD, MD, Marina L Fouquet, PhD, Eliana Kataiama, Francisco O Villareal, Andre A Lippi, Ilen E Abud, Antonio J Gonçalves, PhD, MD; Faculty of Medicine, Santa Casa de Sao Paulo

P670: Secondary Tracheoesophageal Puncture: Anesthesial Technique, Complications and Speech Results; Izabella C Santos, PhD, MD, Fernando L Dias, PhD, MD, Roberto A Lima, PhD, MD, Pedro O Medeiros, MD, Ullyanov B Toscano, MD, Marina A Quintanilha, MD, Luciana C Arcoverde, MD, Maíra B Botelho, MD, Ana P Pontes, MD, Emilson Q Freitas, MD; Brazilian National Cancer Institute-INCA (MS/RJ)

P671: Transnasal Esophagoscopy Guided Tracheoesophageal Puncture Using the Mini-Tracheostomy Kit: An Innovative Technique; Christopher Goh, MD, Mellissa Chua, MSc, Elizabeth Roche, BSc, David Lau, MD; Singapore General Hospital

P672: Impact of Emerging Technology on Communication Options for the Head & Neck Cancer Patient; Julie A Blair, SLP, Brittni Carnes, SLP; Medical University of Sough Carolina

P673: Functional Outcomes after Reconstruction of Oral and Oropharyngeal Tongue Cancer; Sumeet M Anand, MD, MSc, FRCSC, Cathy L Lazarus, PhD, SLP, BRS, Hasan Husaini, BDS, MS, Jackie Mojica, MS, SLP, Adam S Jacobson, MD, FACS, Daniel Buchbinder, MD, DMD, Mark L Urken, MD, FACS; Beth Israel Medical Center, New York, NY

P674: Assessment of Function Following Soft Palate Ablative Surgery and Reconstruction; Cellan V Thomas, MBBch, BDS, FDSRCSEd, MRCS, FRCSMaxfac, Anna McGroary, Claire Helme, Michael J Fardy, FFDRCSI, FDSRCS, FRCS; University Hospital of Wales, Cardiff, UK

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P676: The SMA Musculo-Cutaneous Flap in Re-Animation of the Mouth Following Peri-Oral Soft Tissue Resections: A Novel Approach; Stuart D Archibald, MD, FRCSC, Levis M Carolyn, MD, FRCSC; McMaster University

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P679: Head and Neck Free Flap Failure; Surgical Salvage Options and Outcomes; Etern S Park, DDS, MD, Jonathan W Shum, DDS, MD, R. Bryan Bell, DDS, MD, Bryce E Potter, DMD, MD, Tuan G Bui, MD, DMD, Eric J Dierks, DMD, MD; Providence Cancer Center, Legacy Emanuel Medical Center, Head and Neck Surgical Associates, Portland, Oregon

P680: Targeted Biological Chemotherapy Agents and Free Flap Survival; Robert H Lindau, MD, Neil Gross, MD, Mark K Wax, MD; Oregon Health and Science University

P681: Swallowing Outcomes in Patients Undergoing Pharyngo-Laryngo-Oesophagectomy with Laparoscopic Gastric Transposition; Natalie A Watson, MBBS, BScHons, MRCS, DOHNS, Rhys Hughes, BSpPath, Allana Sullivan, BA, MSc, Michael S Lee, MBChB, FRCSEd, FRCSORLHNSEng; St George's Hospital

P682: Oncologic and Functional Analysis in Patients Undergoing Total Glossectomy with Laryngeal Preservation; Sang-Hyuk Lee, MD, PhD, Seon-Uk Lee, MD, Sung-Min Jin, MD, PhD, Eun-Jae Chung, MD, Young-Soo Rho, MD, PhD; Kangbuk Samsung Hospital, Sungkyunkwan University School of Medicine, Ilsong Memorial Institute of Head and Neck Cancer, Hallym University Medical Center

P683: Communication and Swallowing Functional Outcomes in Head and Neck Oncology Patients: A Prospective Database; Sophie Gudgeon, MSpPath, BAHons, Virginia Simms, BAppScSpeech Pathology, Rachelle Robinson, BAppScSpeech Pathology; [1] Speech Pathology Department, The Prince of Wales Hospital, Sydney, Australia[1] Speech Pathology Department, The Prince of Wales Hospital, Sydney, Australia

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P685: Ultrasound Assisted Definition of Inferior Edge of the Trapezius Muscle in Lower Island Trapezius Flap Reconstruction; Emre Vural, MD, Donald Bodenner, MD, Teresita Angtuaco, MD; University of Arkansas for Medical Sciences

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P687: Sensory Recovery of Noninnervated Free Radial Forearm Flap in Lower Oral Cavity Reconstruction and Its Influence on Oral Function: Longitudinal Assessment of Twenty-Five Patients; Mohamed a Ellabban, MBBCh, MSc, MRCS, MD, FEBOPRAS, Taimur Shoaib, John Devine, Stephen Morley, Jeremy McMahon, David Soutar; Suez Canal University Hospitals, Ismailia, Egypt; Canniesburn Plastic Surgery Unit, Glasgow Royal Infirmary, Glasgow, United Kingdom; Regional Oral and Maxillofacial Surgery Unit, Southern General Hospital, Glasgow, United Kingdom

P688: Functional Outcomes of Speech Following Combined Maxillectomy and Mandibulectomy: A Case Study; Premalatha Subbarao, PhD, Tara Sanjeevaiah, MBBS, MSENT; Dr.S.R.Chandrasekar Institute of Speech and Hearing, Bangalore, Karnataka, India

P689: In Vivo Test of a New Hands-Free Tracheostoma Inhalation Valve; Tjouwke A van Kalkeren, MD, Ward EB van der Houwen, Ir, Willemijne AME Schrijver, Bart GJ Verkerkea, Ir PhD, Bernard FAM van der Laan, MD, PhD; Departments of Biomedical Engineering and Otorhinolaryngology/Head&Neck Surgery, University Medical Center Groningen, University of Groningen, The Netherlands

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P691: Functional Outcomes of Multilobed Free Flap for Oral and Oropharyngeal Reconstruction after Oncologic Resection; Choung Soo Kim, in Chul Nam, Jun Ook Park, Young Hoon Joo, Kwang Jae Cho, Min Sik Kim; Department of Otolaryngology, Head & Neck Surgery, The Catholic University of Korea

P692: The Effects of Ketorolac in Free Tissue Transfer Patients; J. R Schleiffarth, MD, Nitin Pagedar, MD, Rodrigo Bayon, MD, Kristi Chang, MD, Douglas Van Daele, MD; University of Iowa Hospital and Clinics

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P694: Challenges in Management of Advanced Tongue Cancers - Need for Multidisciplinary Effort; Ashok Shenoy, Professor, Anand Krishna, Dr, Premalatha B S, PhD, Poornima Shenoy, MSc SLP, Ajai Kumar B S, Dr, Salil Kumar, Dr, Shilpa Prabhu Desai, Dr, Rekha V Kumar, Dr, Ashok B V, Dr; Kidwai Memorial Institute of Oncology

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P696: Quality of Life of Odontogenic Tumor Patients of the Head and Neck Region, 1 Year after Treatment: A Qualitative Study; Satheesh Kumar Poolakkad Sankaran, MDS, Anita Balan, MDS; Government Dental College, Trivandrum, Kerala, India

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P699: Comparison of Removal of Locking Reconstruction Plates with Osteocutaneous Radial Forearm Free Flaps Versus Fibula Free Flaps When Used for Mandible Reconstruction; Laura Neff, MD, Mark Furin, MD, Kevin Sykes, MPH, Terance T Tsue, MD, Douglas A Girod, MD, Lisa Shnayder, MD; University of Kansas Medical Center

P700: Preoperative Mandibular Plate Adaptation; Eitan Prisman, MD, Harley Chan, PhD, Mike Daly, BSc, Dustin Dalgorf, MD, Stephan Haerle, MD, Brett A Miles, MD, Jonathan Irish, MD, MSc, FRCSC; University of Toronto, Mount Sinai School of Medicine

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P702: Free Flaps Reconstruction of Oropharynx Soft Tissue Defects Based on Templates; Umberto Caliceti, MD, Ottavio Piccin, MD, Federico Contedini, MD, Rossella Sgarzani, MD, Luca Negosanti, MD, Ignacio Fernandez, MD, Aurel Nebiaj, MD, Riccardo Cipriani, MD, Alberto Rinaldi Ceroni, MD; ENT and Plastic Surgery Department, S.Orsola-Malpighi Hospital, Bologna, Italy

P703: Abnormal Anatomy of the Superficial Branch of the Radial Nerve; Robert H Lindau, MD, Mark K Wax, MD; Oregeon Health and Science University

P704: Antibiotic Prophylaxis in Major Head and Neck Reconstruction; David W Cote, MD, MPH, CCFP, FRCSC, Julien Davrou, MD, PhD, Sylvie Testelin, MD, PhD; University of Alberta, Centre Hospitalier Universitaire d'Amiens

P705: Jaw Tracking in the 21St Century: A Novel Approach to Understanding Functional Outcomes in Head and Neck Cancer Patients; Aaron J Jaworek, MD, William M Mendenhall, MD, Robert J Amdur, MD, Pamela Sandow, DMD, Henrietta N Logan, PhD, John W Werning, MD, DMD; University of Florida

P706: Swallow Preservation Therapy During Chemoradiation Therapy Improves Patient Quality of Life and Maintains Swallow Function; Victor M Duarte, MD, Dinesh K Chhetri, MD, Andrew A Erman, MA, Marilene B Wang, MD; Department of Head and Neck Surgery, David Geffen School of Medicine at UCLA, Los Angeles, California, USA

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P709: Free Perforator Flap Transfer for Skull Base Reconstruction of Advanced Oncological Defects; Bin Zhang, MD, JH Wang, MD, DZ, Li, MD; Cancer Hospital, Chinese Academy of Medical Sciences, Peking Union Medical College, Beijing 100021, China

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P711: The Scalp Rotation Flap for Reconstruction of Complex Soft Tissue Defects; Dary Costa, MD, Mark Varvares, MD, Ronald Walker, MD; Saint Louis University

P712: Upper Lip Reconstruction and the Use of Free Tissue Transfer; Robert H Lindau, MD, Michael Kim, MD, Mark K Wax, MD; Oregon Health and Scicence University

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P714: Targeted Assessment of Pharyngeal Structures Using High Resolution Manometry and Videofluoroscopy for Dysphagia; Jessica Gullung, MD, Bonnie Martin-Harris, PhD; Medical University of South Carolina, Charleston, SC

P715: Microvascular Fibula Flap Sandwiched Between the Fibula and Mandible Segments: Variant VII; Laurindo M Sassi, DDS, PhD, José L Dissenha, DDS, Maria I Guebur, DDS, PhD, Regiane B Bixofis, DDS, Alfredo B Silva, MD PhD, Anne C Groth, MD PhD, Paola A Pedruzzi, MD, MSC, Benedito V Oliveira, MD; Erasto Gaertner Hospital Curitiba - Paraná - Brazil

P716: Reconstruction of Mandible with Microvascular Fibula Flap and Extension of Surface Contact Through Stumps Fenestration of the Posterior Surface of the Fibula: Variable VI; Laurindo M Sassi, DDS, PhD, José L Dissenha, DDS, Maria I Guebur, DDS, PhD, Regiane B Bixofis, DDS, Alfredo B Silva, MD, PhD, Anne C Groth, MD, PhD, Marja C Reksidler, MD, Benedito V Oliveira, MD; Erasto Gaertner Hospital Curitiba - Paraná- Brazil

P717: Free Flaps Reconstruction of Oral Cavity Soft Tissue Defects Based on Templates; Umberto Caliceti, MD, Ottavio Piccin, MD, Federico Contedini, MD, Rossella Sgarzani, MD, Luca Negosanti, MD, Ignacio Fernandez, MD, Aurel Nebiaj, MD, Riccardo Cipriani, MD, Alberto Rinaldi Ceroni, MD; ENT and Plastic Surgery Department, S.Orsola-Malpighi Hospital, Bologna, Italy

P718: Complications Related to Previous Treatment in Reconstructive Head and Neck Surgery with Pectoralis Major Myocutaneous Flap; Kulcsar Marco, PhD, MD, Christiana Vanni, MD, Leandro Matos, MD, Jossi Kanda, PhD, MD, Claudio Cernea, PhD, MD, Lenine Brandao, PhD, MD, Fabio Pinto, PhD, MD; Department of Head and Neck Surgery, ABC Medical School, Department of Head and Neck Surgery of the University of São Paulo Medical School.

P719: An Unusual Enterocutaneous Fistula of the Neck - Esophageal Squamous Cell Carcinoma Invading Into a Transposed Colonic Segment; Anthony G Del Signore, MD, Richard Chan Woo Park, MD, John R de Almeida, MD, Marita S Teng, MD; Mount Sinai School of Medicine: Department of Otolaryngology-Head and Neck Surgery

P720: Wet or Dry? Tourniquet Use in Fibula Free Flap Harvest; Aakarsh Jhamb, BDS MS, Lalabekyan Bagrat, DDS MSc PhD, Karavidas Konstantinos, MD, DDS, Kalavrezos Nichollas, MD, DDS, FRCS, Phillip Pirgousis, MD, DDS, FRACDS, Colin Liew, MB, ChB, FDS, FRCS; University College London Hospitals

P721: In Vitro Biofilm Formation on Smooth Indwelling Voice Prostheses and Their Clinical Lifetime in Laryngectomized Patients; Kevin JDA Buijssen, MD, Janine JH Oosterhof, MD, Leo Basil, Mark Waters, Mari-Anne Duits, Nurse, Henk J Busscher, PhD, Henny C van der Mei, PhD, Bernard FAM van der Laan, MD, PhD; Departments of Biomedical Engineering, Otorhinolaryngology/ Head&Neck Surgery, University Medical Center Groningen and University of Groningen, Antonius Deusinglaan 1, 9713 AV Groningen, The Netherlands and MBI (Wales) Ltd. Newport, U.K, Biomat

P722: The Use of Non-Indwelling Vocal Prothesis Provox Nid™ for Speech Rehabilitation after Total Laryngectomy; Ana Cristina Daniello, Alexandre B Suehara, MD, Marina L Fouquet, PhD, Ilen E Abud, Aantonio Augusto T Bertelli, MD, Antonio J Gonçalves, PhD, MD, Marcelo B Menezes, PhD, MD; Santa Casa de Sao Paulo, Faculty of Medicine

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P725: End-To-End Versus End-To-Side Venous Microanastomoses in Head and Neck Reconstruction; Cesare Piazza, MD, Valentina Taglietti, MD, Johnny Cappiello, MD, Piero Nicolai, MD; Department of Otorhinolaryngology – Head and Neck Surgery, University of Brescia, Italy

P726: Does Perception of Speech Handicap Correlate with Speech Intelligibility in Patients with Oral Cancer Over Time; Gabriela Constantinescu, MScSLP, Jana Rieger, PhD, Marcy Winget, PhD, Catherine Paulsen, Irene Loewen, MScSLP, Hadi Seikaly, MD, FRCSC; Institute for Reconstructive Sciences in Medicine, Division of Otolaryngology Head and Neck Surgery University of Alberta Hospital

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P731: Case Report: Total Laryngectomy and Esophagectomy Rehabilitated with Gastric Speech; Helena Noemi S Sierra, ST, Viviane Carvalho, ST, Rafael De Cicco, MD, Erica E Fukuyama, MD, Paulo J Valentim, MD, José Francisco Góis Filho, MD; Instituto do Câncer Dr. Arnaldo Vieira de Carvalho

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P733: Chemoradiation Treatment for Head and Neck Cancer in Solid Organ Recipients; Naomi Rabinovics, MD, Ofer Purim, MD, Tuvia Hadar, MD, Dan Guttman, MD, Gideon Bachar, MD, Jacob Shvero, MD, Raphael Feinmesser, MD, Aron Popovtzer, MD; Rabin Medical Center

P734: Outcomes for Extra-Ocular Sebaceous Carcinoma (SC) of the Head and Neck; Magid Al-Thbety, MD, Gabriel G Calzada, MD, Marc Camilon, Peter J Martin, MD, Michael P McNicoll, MD, Young S Oh, MD, Mark N Segal, MD, Terry Y Shibuya, MD; Head and Neck Surgical Oncology Group, Southern California Permanente Medical Group

P735: Angiosarcoma of the Head and Neck: The Moffitt Cancer Center Experience; Ryan S Jackson, MD, Matthew Perez, BS, Tapan S Padhya, MD; 1Department of Otolaryngology – Head and Neck Surgery, University of South Florida, Tampa, Florida

P736: Metastatic Cutaneous Squamous Cell Carcinoma of the Head and Neck: Characteristics of the Primary and Prognostic Factors; Rajeev G Mathew, David Walker, Tatiana Gutierrez, Stephen Whitaker, Silvana Di Palma, Lisa Pitkin; Royal Surrey County Hospital, Surrey, UK

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P739: C-Kit Expression in Head and Neck Mucosal Melanoma; Ryan P Raju, MD, MBA, Chiang Liu, MD, Terry Dunn, MD, Nilesh Vasan, MD, Jesus Medina, MD; University of Oklahoma Health Sciences Center

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P742: Clinical Analysis of Acinic Cell Carcinoma in Parotid Gland; Wonjae Cha, MD, Seungno Hong, MD, Chang Myeon Song, MD, J.Hun Hah, MD, Tack-Kyun Kwon, MD, PhD, Myung-Whun Sung, MD, PhD, Kwang Hyun Kim, MD, PhD, Hyo-Geun Choi, MD, Hee Jin Kim, MD, Won Yong Lee, MD; Department of Otorhinolaryngology-Head and Neck Surgery, Seoul National University School of Medicine

P743: A Systematic Objective Analysis of Sensory Deficit and Recovery Following Greater Auricular Nerve Sacrifice in Parotidectomy; Chew-Lip Ng, MBBS, MRCS, Raymond Y Ngo, MBBS, MMed, Chwee-Ming Lim, MBBS, MMed, Kwok S Loh, FRCS; Dept Otolaryngology Head & Neck Surgery, National University Health System, Singapore

P744: The Role of Non-Diagnostic Fine Needle Aspiration Biopsy in Clinical Decision-Making for Parotid Masses; Christopher Fundakowski, MD, Jonathan Castano, Marianne Abouyared, Andrew Rivera, MD, Rosemary Ojo, MD, Zoukaa Sargi, MD; University of Miami - Miller School of Medicine

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P746: Results of the Treatment of Warthin's Tumor of the Parotid Gland; João Goncalves Filho, PhD, Ana Lucia Noronha, Thiago C Chulam, MD, Luiz P Kowalski, PhD; AC Camargo Hospital

P747: Clinical Outcome of Patients with Carcinoma-Ex-Pleomorphic Adenoma of the Parotid Gland - A Comparative Study from a Single Tertiary Centre; Chwee Ming Lim, Candace Hobson, Jonas T Johnson; University of Pittsburgh Medical Center

P748: Factors Impacting on the Outcome of Head and Neck Merkel Cell Carcinoma; Aron Popovtzer, MD, Ofer Purim, MD, Tuvia Hadar, MD, Rafael Feinmesser, MD, Baruch Brenner, MD, Eyal Fenig, MD; Rabin Medical Center

P749: Prognostic Factors in Curative Management of Malignant Parotid Tumours; Tirupati S Korampalli, Gunasekharan Sinnappa, Pavlov Mettuccie, Jemy Jose; Castle Hill Hospital, Hull, UK

P750: Clinicopathological Factors Are Predictors of Distant Metastasis from Major Salivary Gland Carcinomas; F V Mariano, DDS, MSc, PhD, T C Chulam, MD, R O Gondak, DDS, MSc, PhD, Luiz P Kowalksi, PhD, O P Almeida, DDS, MSc, PhD; Department of Oral Diagnosis, School of Dentistry of Piracicaba, UNICAMP, São Paulo, Brazil; Department of Head and Neck Surgery and Otorhinolaryngology, A.C. Camargo Hospital, São Paulo, Brazil

P751: Level V Neck Dissection in Primary Parotid Malignancies - Result of a Single Tertiary Institution; Chwee Ming Lim, Mark Gilbert, Seungwon W Kim; University of Pittsburgh Medical Centre

P752: Is It Oncologicaly Safe to Leave the Ipsilateral Submandibular Gland During a Neck Dissection for Head and Neck Squamous Cell Carcinoma?; AK Ebrahim, JW Loock, JJ Hille, A Afrogheh; University of Stellenbosch /Tygerberg Academic Hospital, Cape Town, RSA

P753: Sentinel Node Biopsy in High Risk Non Melanoma Skin Cancer; D Shaw, BSc, MBBS, MS, J Clark, MBBS, FRACS, K Shannon, MBBS, FRACS, B Ashford, MBBS, FRACS; Sydney Head and Neck Cancer Institute

P754: Malignant Melanoma and Sentinel Lymph Node Biopsy: Prognosis and Survival Comparing Head and Neck Versus Others Anatomical Sites; Nicolas Avalos, MD, Fernando Rivas, MD, Matias Lavin, MD, Luis Marin, MD, David Cohn, MD, Jorge Plasser, MD, Gerardo Mordojovich, MD; Fundacion Arturo Lopez Perez, Chile

P755: Outcomes Following Neck Dissections for Nodes Metastasis in Melanoma; Antoine Digonnet, MD, Marie Quiriny, MD, Esther Willemse, MD, Michel Moreau, François Sales, MD, Guy Andry, MD; Jules Bordet Institute

P756: Cutaneous Squamous Cell Carcinoma: Differences Between the Sixth and the Seventh Edition of the AJCC Staging Manual; Fernanda Bonani, MD, Ana Karenina Nobre Fonseca, MD, André Bandiera Oliveira Santos, MD, Milton Inoue, MD, Claudio Roberto Cernea, MD, PhD, Lenine Garcia Brandão, MD, PhD; Head and Neck Surgery Department, Instituto do Câncer do Estado de São Paulo

P757: A Novel Middle Cranial Fossa Approach for En Bloc Resection of the Temporal Bone and Temporomandibular Joint for Advanced Squamous Cell Carcinoma; Derek Mitchell, MD, Baran D Sumer, MD, FACS, Larry L Myers, MD, FACS, John M Truelson, MD, FACS, Peter Roland, MD, Brandon Isaacson, MD, FACS, J. Walter Kutz, MD, FACS; UT Southwestern Medical Center

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P759: Identifying Altered Pathways for Targeted Therapy in Salivary Duct Carcinoma; Chandrani Chattopadhyay, PhD, Yoshitsugu Mitani, DDS, PhD, Michael E Kupferman, MD, Merrill S Kies, MD, Michelle D Williams, MD; The University of Texas MD Anderson Cancer Center

P760: Histopathological Prognosticators of Adenoid Cystic Carcinoma: Long-Term Experience at VU University Medical Center, Amsterdam; S van Weert, MD, E Bloemena, MD, PhD, I van der Waal, DDS, PhD, R de Bree, MD, PhD, J Kuik, Msc, D Rietveld, MD, C Leemans, MD, PhD; VU University Medical Center, Amsterdam, The Netherlands

P761: Advance Stage and Nodal Positive Disease Are Poor Prognostic Indicators; Rodrigo Arrangoiz, MD, David Sarcu, MD, Drew Ridge, MD, PhD, Miriam Lango, MD; Fox Chase Cancer Center

P762: Neutron Radiotherapy for the Treatment of Adenoid Cystic Carcinoma of Salivary Glands: A Patterns of Practice Survey; Rebecca A Israel, BA, Jay J Liao, MD, George E Laramore, MD, PhD, Madhu B Shetti, MD, Upendra Parvathaneni, MD; University of Washington Medical Center, Seattle, WA

P763: Minimally Invasive Surgery for Parapharyngeal Space Tumors; Daniel M Beswick, Alec Vaezi, MD, PhD, Emiro Caicedo-Granados, MD, MS, Umamaheswar Duvvuri, MD, PhD; Department of Otolaryngology – Head and Neck Surgery, University of Pittsburgh School of Medicine; Department of Otolaryngology – Head and Neck Surgery, University of Minnesota

P764: Role of Chemotherapy (CTX) for Merkel Cell Carcinoma: A Single Institution Experience; Marion E Cole, MD, Aruna Turaka, MD, Fang Zhu, MS, Paul Engstrom, MD, Clifford Perlis, MD, Jeffrey M Farma, MD, Miriam Lango, MD, Hong Wu, MD; Departments of Medical Oncology, Radiation Oncology, Surgical Oncology, Biostatistics, Dermatology and Pathology, Fox Chase Cancer Center, Philadelphia, PA, USA

P765: Prognostic Factors in Concurrent Primary and Metastatic Cutaneous Head and Neck Squamous Cell Carcinoma; Timothy McLean, Markus Brunner, MD, Ardalan Ebrahimi, MBBS, Kan Gao, Sydney Ch´ng, MBBS, Michael Veness, Prof, Jonathan Clark, MBBS; Sydney Head and Neck Cancer Institute, The Sydney Cancer Centre, Royal Prince Alfred Hospital, New South Wales; Head and Neck Cancer Service, Westmead Hospital, University of Sydney, Sydney, Australia

P766: Solitary Fibrous Tumor in Head and Neck Surgery: A Series of Cases; Ana P Pontes, MD, Rafael Zdanowski, MD, Fernando L Dias, PhD, MD, Roberto a Lima, PhD, MD, Mauro M Barbosa, PhD, MD, Terence P Farias, MD, Ullyanov B Toscano, MD, Luciana C Arcoverde, MD, Marina a Quintanilha, MD, Emilson Q Freitas, MD; Brazilian National Cancer Institute-INCA (MS/RJ)

P767: 'Occult' Skin Cancers of the Head and Neck: Cranial Neuropathy as the Sole Presenting Symptom of Advanced Cutaneous Neoplasia; Barry T Malin, MD, MPP, Katherine E Hicks, BS, MS, Akash Anand, MD, Terry A Day, MD; Medical University of South Carolina

P768: Evaluation of the Retroauricular and Suboccipital Lymphnode Basins: An Anatomical Study; HJ Veenstra, MD, WMC Klop, MD, PhD, PJFM Lohuis, MD, PhD, AJM Balm, MD, PhD, MLF van Velthuysen, MD, PhD; Antoni van Leeuwenhoek Hospital - Netherlands Cancer Institute

P769: The Effectiveness of Stress Thermography in Diagnosis of Frey's Syndrome Following Parotidectomy; Sang Won Nam, MD, Bum Jung Park, MD, PhD; Department of Otorhinolaryngology-Head & Neck Surgery, Hallym University College of Medicine

P770: Clinical Study of Mucosa-Associated Lymphoid Tissue (MALT) Lymphomas of the Head and Neck; Kenichi Sugiyama, MD, Seiji Hosokawa, MD, PhD, Daiki Mochizuki, MD, Jun Okamura, MD, Yoshinori Takizawa, MD, Goro Takahashi, MD, Kumiko Hosokawa, MD, Takashi Yamatodani, MD, PhD, Kiyoshi Misawa, MD, PhD, Hiroyuki Mineta, MD, PhD; Department of Otolaryngology/ Head & Neck Surgery, Hamamatsu University School of Medicine

P771: Prognostic Value of Intra-Parotid Lymph Node Metastasis in Primary Parotid Malignancy; Chwee Ming Lim, Mark Gilbert, Seungwon W Kim; University of Pittsburgh Medical Centre

P772: Mucosal Melanoma of the Head and Neck: A Contemporary Meta-Analysis Comparing Surgery Alone Versus Surgery and Post-Operative Radiotherapy; Edward T El Rassi, BS, Julie a Stoner, PhD, Jesus E Medina, MD; University of Oklahoma Health Sciences Center

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P773: Cutaneous Angiosarcoma of the Head and Neck in Asians: Epidemiology and Prognosis; H.C. Lee, N.C. Tan, C.L. Goh; National Skin Centre, National Cancer Centre of Singapore

P774: Challenges in the Diagnosis of De Novo Head and Neck Myeloid Sarcoma; Frank Anderson, MD, Patricia DeVilliers, DDS, Jon Holmes, DMD MD, Aleodor Andea, MD, Vishnu Reddy; University of Alabama at Birmingham

P775: Superficial Parotidectomy Assisted by Ligasure Vessel Sealing System; Wei-Chih Chen, MD, Chih-Yen Chien, MD, FACS, Hui-Ching Chuang, MD, FACS; Department of Otolaryngology, Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan

P776: Minor Salivary Gland Tumors: A Review of 246 Cases; Mohammed Qaisi, DMD MD, Donita Dyalram-Silverberg, DDS MD, Joshua Lubek, DDS MD, Robert Ord, DDS, MD, FRCS, FACS; Department or Oral & Maxillofacial Surgery, University of Maryland, Baltimore, MD, USA

P777: Quality of Life in Patients with Metastatic Cutaneous Squamous Cell Carcinoma of the Head and Neck; Dr. Jeffrey Tzu-Yu Wang, MBBS, Dr. Carsten E Palme, MBBS, Dr. Allen Yu-Yu Wang, MBBS, Prof. Gary Morgan, BDS, MBBS FRACDS, FRACS, Prof. Val Gebski, BA, MSTAT, Dr. Jemma Gilchrist, PhD, DipCIPs, Prof. Michael Veness, MBBS, MDUNSW Mmed, FRANZCR; Dept Radiation Oncology, Westmead Cancer Care Centre, Westmead Hospital, Sydney, Australia

P778: Malignant Solitary Fibrous Tumor of the Head and Neck: Clinical and Pathologic Characteristics of an Unusual Disease Entity; Douglas K Frank, MD, David L Schwartz, MD, Mark J Shikowitz, MD, John Fantasia, DDS, Leonard Kahn, MD; The Center for Head and Neck Oncology, North Shore-Long Island Jewish Health System, Hofstra North Shore-Long Island Jewish School of Medicine

P779: CRTC1/ MAML2 Fusion Transcript in Central Mucoepidermoid Carcinoma of Mandible: Diagnostic/ Histogenetic Implications; Diana Bell, MD, Carol Lewis, MD, MPH, Adel K El-Naggar, MD, PhD, Randal S Weber, MD; The University of Texas M. D. Anderson Cancer Center, Houston, Texas

P780: The FNAC Diagnosis of Warthin Tumor - If It Is Reliable, Can the Management Be Conservative?; Alexander C Vlantis, FCSSAORL, Siu Kwan Ng, FRCSEd, Chi Keung Mak, MRCSEd, Jackie M K Cheung, MBChB, Amy B W Chan, FHKCPath, C Andrew van Hasselt, MMedOtol; The Chinese University of Hong Kong

P781: Rhinectomy for Advanced Skin Cancer: Outcomes and Results; Marta L Tavares, MD, Fernando L Dias, MD, PhD, Ullyanov B Toscano, MD, Roberto a Lima, MD, PhD, Luciana C Arcoverde, MD, Ana C Pastl, MD, Jose R Soares, MD; Brazilian National Cancer Institute-INCA MS/RJ

P782: Minimally Invasive Resection of Extracapsular Dissection for Benign Parapharyngeal Tumor; Tsung-Lin Yang, MD, PhD, TY Hsiao, MD, PhD, CP Wang, MD, PJ Lou, MDPhD, JY Ko, MD, PhD; National Taiwan University Hospital

P783: Persistent Parotid Mass with Diagnostic Pitfalls on Pre-Operative Biopsy; Rajini Rajagopal, iBSc, MBBS, MRCS, DOHNS, Paul Spraggs, MBBS, FRCS, Silvana Di Palma; Basingstoke & North Hampshire Foundation Trust, Royal Surrey County Hospital NHS Foundation Trust

P784: Utility of Fine Needle Aspiration for Tumors of the Parotid; Woo-Jin Jeong, MD, Sung Joon Park, MD, Myung-Whun Sung, MD, Kwang-Hyun Kim, MD, Soon-Hyun Ahn, MD; Departments of Otorhinolaryngology - Head & Neck Surgery, Seoul National University Bundang Hospital, and Seoul National University Hospital, Seoul National University College of Medicine, Korea

P785: Analysis of Recurrence Rate and Complications in a Cohort of 339 Patients Treated Surgically for Benign Tumors of the Parotid; Marie Quiriny, MD, Michel Moreau, Cécile Dekeyser, MD, Laurent Van Bel, MD, Antoine Digonnet, MD, Esther Willemse, MD, Guy Andry, MD; Jules Bordet Institute

P786: Parapharyngeal Space Tumours: A Single Centre Experience from Southern India; Vijayabhaskar Ramakrishnan, MS, MCh, Sadasivam OL; Department of Surgical Oncology, Meenakshi Mission Hospital and Research Centre, Madurai

P787: Metastasizing Pleomorphic Adenoma: A Fascinating Enigma; Luis E Santaliz-Ruiz, MD, Héctor Santini, MD, FACS, Axel Arroyo, MD, María del Rosario Sánchez-Santiago, BS, CTASCP, Gary Morales, MD; Damas Hospital/Ponce School of Medicine

P788: Epidemiological and Histological Profile of 642 Cases of Basal Cell Carcinoma Treated in a Tertiary Institution; Natália Andrade, MD, André Santos, MD, Silvia Lourenço, PhD, Cyro Festa Neto, MD, PhD, Claudio Cernea, MD, PhD, Lenine Brandão, MD, PhD; 1) University of Sao Paulo Medical School, Sao Paulo, Brazil, 2) Institute of Cancer Estate of Sao Paulo (ICESP), Sao Paulo, Brazil

P789: Head and Neck Skin Cancer in the Immunocompromised Patient: A Quantitative Analysis; Chelsey J Smith, MD, Sherief Garrana, BS, Nilesh Vasan, MD; University of Oklahoma Health Sciences Center

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P790: Head and Neck Malignant Melanoma. A Series of Cases and Its Prognostic Factors; Leonardo S Kruschewsky, PhD, MD, Marinella B Kruschewsky, Medical Student, Miguel Brandao, PhD, MD, Francisco V Mello-Filho, PhD, MD; Aristides Maltez Hospital and AMO Clinics

P791: Major Salivary Gland Cancer Epidemiology in Bahia's Cancer Hospital; Leonardo S Kruschewsky, PhD, MD, Renata Dandrada, MD, Marinella B Kruschewsky, Ivan Agra, PhD, MD, Adrian Berenger, MD, Thaiane Castro, Eduardo Ramos, PhD, MD, Gilney Porto, MD, Augusto Mendes, MD, Ana C Teles, Lise Barreto, MD, Francisco V Mello Filho, PhD, MD; Hospital Aristides Maltez

P792: Parotid Tumors, a Case Series Study in the National Cancer Institute, Cairo University; Sharif A Abd Al Karim, MD, MSc; National Cancer Institute, Cairo University

P793: Head and Neck Soft Tissue Sarcomas: Tertiary Referral Center Experience; Tarek El Baradie, MD, MSc, PhD, Mohamed A Shama, MD, MSc, MRCS, Heba Soliman, MD, Eman Khorshed, MD, MSc; National Cancer Institute - Cairo University

P794: Salivary Duct Carcinoma: SNUH Experience; Seungno Hong, MD, Wonjae Cha, MD, Chang Myeon Song, MD, J.Hun Hah, MD, Myung-Whun Sung, MD, PhD, Kwang Hyun Kim, MD, PhD, Tack-Kyun Kwon, MD, PhD, Hyo Geun Choi, MD, Hee Jin Kim, MD, Won Yong Lee, MD; Department of Otorhinolaryngology-Head and Neck Surgery

P795: Epithelial-Myoepithelial Carcinoma of the Hard Palate in the Young Man; A Najihah, Dr, MY Mohd Razif, AJ Nazimi, Dr, MR Isa, SHA Primuharsa Putra, Dr; Department of Otorhinolaryngology-Head & Neck Surgery, Department of Oral & Maxillofacial Surgery, Department of Pathology, Universiti Kebangsaan Malaysia Medical Centre & KPJ Seremban Specialist Hospital, Malaysia

P796: Kimura's Disease in Two Non-Asian Patients; Fernando D Leonhardt, MD, MSc, PhD, Maria L Pinheiro, MD, Neisa Alves, MD, Márcio Abrahão, MD, MSc, PhD, Onivaldo Cervantes, MD, MSc, PhD; Federal University of São Paulo

P797: Clinical Profile, Treatment Patterns and Outcome of Head and Neck Sarcomas in a Tertiary Care Cancer Centre; S.V.S. Deo, MS, Nootan K Shukla, MS, Palaniappan Ramanathan, MS, Deepak Jha, Senior Resident MS, Ashwin Kallianpur, Research Officer MS; BRA IRCH, All India Institute of Medical Sciences, New Delhi, India

P798: Metastatic Basal Cell Carcinoma of the Head and Neck; Rachel Cain, MD, David Mullin, MD, Andrew Patel, MD, Richard Hayden, MD; Mayo Clinic, Arizona Campus

P799: Tumors of Parapharyngeal Space, February 2003 - 2011; Francisco Medrano, Mario Velez, Erick Silva; ENT Department, Lenin Fonseca Hospital, Managua, Nicaragua

P800: Aberrant Tortuous Internal Carotid Artery: An Unusual Cause of a Parapharyngeal Mass and a Dangerous Entity in Oropharyngeal Procedures; Somasundaram Subramanaim, MB, Bch, MRCS, MMED, Peter Kuo Sun Lu, MBBS, FRCS; Changi General Hospital Singapore

P801: Complete Spontaneous Remission of Metastatic Adenoid Cystic Carcinoma: A Case Report; James Y Suen, MD Professor, Stephanie Simonton-Atchley, PhD Associate Professor; Univ. of Arkansas for Medical Sciences, Little Rock, AR

P802: Treatment of Disseminated Melanoma with Metastasis to the Oropharynx; Matthew J Mifsud(1), MD, Demetri Arnaoutakis(2), Tapan a Padhya(1), MD; 1) USF College of Medicine, Tampa, Florida, USA. 2) University of Florida College of Medicine, Gainesville, Florida, USA

P803: Adenocarcinoma of the Lung Metastatic to a Massive Parotid Myoepithelioma; Andrew J Lerrick, MD, Bruce G Grossman, MD, Marlyn C Ciesla, MD, Nidal Sakka, MD; Rush University Medical Center, Chicago, Illinois and Alexian Brothers Medical Center, Elk Grove Village, Illinois

P804: Management of Parapharyngeal Salivary Tumors in the Symptomatic Elderly Patient; Jeremiah Tracy, MD, Richard O Wein, MD; Tufts Medical Center

P805: Oncocytic Carcinoma Occurring in Palatine Tonsil; Yeo-Hoon Yoon, MD; Department of Otolaryngology—Head and Neck Surgery, Chungnam National University

P806: Dedifferentiated Epithelial-Myoepithelial Carcinoma of the Salivary Gland - Case Report and Literature Review; Aaron R Baker, MS, Sarah E Ohanessian, MD, Eelam Adil, MD, David Goldenberg, MD, Haresh Mani, MD; 1 Penn State College of Medicine; 2 Dept. of Pathology, Penn State Hershey Medical Center; 3 Dept. of Otolaryngology - Head and Neck Surgery, Penn State Hershey Medical Center, Hershey, PA USA

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P807: Long Term Outcome of Pre- and Perinatal Management of Congenital Head and Neck Tumors and Malformations; Vincent Vander Poorten, MD, PhD, MSc, Julie Faes, MD, Pierre Delaere, MD, PhD, Greet Hens, MD, PhD, De Catte Luc, MD, PhD, Gunnar Naulaers, MD, PhD, Robert Hermans, MD, PhD, Deprest Jan, MD, PhD; University Hospitals Leuven

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P808: The Diagnostic Value of PTH Washout after Fine-Needle Aspiration of Suspicious Cervical Lesions in Patients with Hyperparathyroidism; Salem I Noureldine, MD, Haytham Alabbas, MD, Krzysztof Moroz, MD, Ralph Tufano, MD, Emad Kandil, MD, FACS; Tulane University School of Medicine

P809: mTHPC Mediated Interstitial Photodynamic Therapy of Local Recurrent/Residual Head and Neck Cancer; Baris Karakullukcu, MD, Robert van Veen, PhD, Max Witjes, MD, PhD, DDS, Frank Hoebers, MD, PhD, Olga Hamming-Vrieze, MD, Bing Tan, MD, PhD, Dick Sterenborg, PhD, Jan Bonne Aans, MSc; Netherlands Cancer Institute, Erasmus University, University Medical Center Groningen

P810: Changing Trends and the Role of Medical Management on the Outcome Patients Treated for Osteoradionecrosis of the Mandible. Experience from a Regional Maxillofacial Unit; Jacob R D'Souza, Simon N Rogers, Derek Lowe; University Hospital Aintree, Liverpool, UK

P811: Tors Without the Use of a Mouth Prop: Early Experience with a Novel Exposure Technique; Matthew C Miller, MD; James P. Wilmot Cancer Center: University of Rochester Medical Center

P812: Transoral Robotic Surgery for Hypopharyngeal Squamous Cell Carcinoma: 3-Year Oncologic and Functional Analysis; Se-Heon Kim, MD, Young Min Park, MD, Won Shik Kim, MD, Jung Hun Seol, MD; Yonsei University College of Medicine

P813: Outpatient Total or Completion Thyroidectomy; Aaron Metrailer, MD, Eric Siegel, MS, Donald L Bodenner, MD, PhD, Brendan C Stack, Jr., MD; University of Arkansas for Medical Sciences Thyroid Center

P814: Risk of Fistula with Transoral Robotic Surgery and Concurrent Neck Dissection; Tamer Ghanem, MD, PhD, Varun Bhandarkar, BS, Samer Al-Khudari, MD, Francis Hall, MD; Henry Ford Hospital System; Wayne State University School of Medicine, Detroit, MI, USA

P815: Pre-Treatment Synoptic Report Database for Head and Neck Tumors. University of Manitoba Experience; A Torroni, MD, R Nason, MD, A Pathak, MD; University of Manitoba

P816: Technical Nuances in Staged Neck Dissection Following TORS; Courtney B Shires, MD, Christopher H Rassekh, MD, Bert W O'Malley, Jr, MD, Gregory S Weinstein, MD; University of Pennsylvania Department of Otorhinolaryngology-Head & Neck Surgery

P817: Outcomes of Staged Neck Dissection and Digastric Flap Reconstruction Following TORS for Oropharyngeal Carcinoma; Christopher H Rassekh, MD, Courtney B Shires, MD, Shayanne a Lajud, MD, Arnaud F Bewley, MD, Bert W O'Malley, Jr., MD, Gregory S Weinstein, MD; University of Pennsylvania

P818: Transoral Surgery and Neck Dissection with or Without Adjuvant Treatment Is Effective in Managing Early and Moderately Advanced Pharyngeal and Supraglottic Cancer; Nader Sadeghi, MD, Joseph F Goodman, MD, Reza Taheri, MD, Robert S Siegel, MD; George Washington University

P819: Transoral Dissection of the Parapharyngeal Space: A Detailed Three-Dimensional Anatomic and Radiologic Description of the Neurovascular Anatomy and Surrounding Structures; Vikas Mehta, MD, Chwee-Ming Lim, MD, Ray Chai, MD, Carlos Pinheiro-Neto, MD, Jennifer Bonfili, BSN, RN, Umamaheswar Duvvuri, MD, PhD; University of Pittsburgh Medical Center, Department of Otolaryngology/Head and Neck Surgery, Pittsburgh, PA, USA

P820: Postoperative Complications in Thyroidectomy: Experience of 1321 Cases Operated in the Last 3 Years; Renan B Lira, MD, Phelipe C Bezerra, MD, José G Vartanian, MD, PhD, João Gonçalves Filho, MD, PhD, Luiz P Kowalski, MD, PhD; Hospital AC Camargo

P821: Physician Assistant Fellowship Training in Otolaryngology-Head and Neck Surgery: A Proven Model; Richard E Hayden, MD, Michael Hinni, MD, Carrlene Donald, PAC; Mayo Clinic Arizona

P822: Endoscopic Resection of Benign Cervical Lesions via Retroauricular Approach; Hyoung Shin Lee, MD, Hyun Jun Hong, MD, Won Shik Kim, MD, Se Heon Kim, MD, PhD, Eun Chang Choi, MD, PhD, Yoon Woo Koh, MD, PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, South Korea

P823: Transoral Robotic Surgery for the Management of Oropharyngeal Minor Salivary Tumors; Nathaniel L Villanueva, BS, John R de Almeida, MD, MSC, Andrew Sikora, MD, PhD, Eric M Genden, MD; Mount Sinai School of Medicine

P824: Barriers to Recruitment in Head & Neck Surgical Trials; Richard J Shaw, Geetinder Kaur, Catrin Tudur-Smith, Paula Willamson, Hisham Mehanna, Iain Hutchison; University of Liverpool, NCRI HNCSG & NW MRC Trials Hub

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P825: Bisphosphonate Related Osteonecrosis of the Jaw: A Single Maxillofacial Surgery Units Case Series, Practice and Analysis; Raghav Kulkarni, MBChB, MRCSIon, James A McCaul, PhD, FRCSOMFS, FRCS, FDSRCPS, MBChB, BDS, Nicola Cambell, BDS, Peter Robins, BDS; Bradford Royal Infirmary: Bradford Teaching Hospitals NHS Trust

P826: Assessment of the Robotic Endolaryngeal Flexible (Robo-Elf) Scope by Novice Users; Jeremy Richmon, MD, Kevin Olds, BE, Lee Akst, MD, Russell Taylor, PhD; Johns Hopkins Hospital

P827: Transoral Surgical Procedures Using a Highly Flexible Robot; Paul J Johnson, MS, Carlos Rivera-Serrano, MD, Michael Castro, Rich Kuenzler, Stephen Tully, Umamaheswar Duvvuri; University of Pittsburgh

P828: Quality of Life Following Robotic Surgery in Patients with Oropharyngeal Cancer; Tamer Ghanem, MD, PhD, Michelle Jesse, MA, Jamie Lindholm, MS, CCC SLP, Michael Ryan, PsyD, Erin Simmerman, RN, BSN, Scott Bendix, Linda Hsu, Francis Hall, MD; Henry Ford Hospital

P829: Harvesting the Internal Jugular Vein for Use as an Autologous Graft in Portal Vein Reconstruction: One Institution's Experience; Victoria E Banuchi, MD, MPH, Salvatore M Caruana, MD; New York Presbyterian-Columbia, Otolaryngology

P830: Retrospective Review of Transoral Robotic Surgery at the University of Washington; Eric D Lamarre, MD, Sapna a Patel, University of Washington, Neal D Futran, MD, DMD, Eduardo Mendez, MD; University of Washington

P831: Endoscopic Transaxillary Thyroidectomy: Early Experiences Using the Spider Surgical System; Barnard Palmer, MD, MEd, William B Inabnet, MD, Hannah Lowe, BA, Bernadette Laxa, MD, Kee-Hyun Nam, MD, Randall Owen, MD; Division of Metabolic, Endocrine and Minimally Invasive Surgery, Mount Sinai School of Medicine, New York, NY

P832: Board Certification for Head and Neck Surgeons in Japan; Seiichi Yoshimoto, MD, Torahiko Nakashima, MD, Ken-ichi Nibu, MD, Shin-etsu Kamata, MD, Takashi Fujii, MD, Kazuto Matsuura, MD, Naoki Otsuki, MD, Seiji Kishimoto, MD, Satoshi Fukuda, MD, Akihiro Homma, MD, Yasuhisa Hasegawa, MD, Masashi Sugasawa, MD, Naoyuki Kohno, MD, Takahiro Asakage, MD, Yasushi Fujimoto, MD, Nobuhiro Hanai, MD, Nobuya Monden, MD, Kenji Okami, MD; Japanese Board of Head and Neck Surgery

P833: The Safety and Efficacy of the Harmonic Scalpel in Neck Dissection: A Prospective Randomized Study; Yoo Seob Shin, MD, Won Sik Kim, MD, Yoon Woo Koh, MD, PhD, Se-Heon Kim, MD, PhD, Hong Sik Choi, MD, PhD, Eun Chang Choi, MD, PhD; Yonsei University College of Medicine

P834: Robotic Sialoadenectomy of the Submandibular Gland Via a Modified Face-Lift Approach; Se-Heon Kim, MD, Armando De Virgilio, MD, Won Shik Kim, MD, Young Min Park, MD, Jun Hee Chung, MD; Yonsei University College of Medicine, " Sapienza" University of Rome

P835: Illustrative Anatomical Model for Teaching Neck Dissection; Mohammed A Ibrahem, MD, Mohamed A Shama, MD, MSc, MRCS; National Cancer Institute, Cairo, Egypt

P836: Treatment of T1 and T2 Squamous Cell Carcinoma of the Oral Cavity: Effectivity of Foscan Photodynamic Therapy Compared to Surgery; Sebastiaan a De Visscher, MD, DDS, Lieuwe L Melchers, MD, Pieter U Dijkstra, PhD, *Baris Karakullukcu, MD, *Bing Tan, MD, PhD, Jan L Roodenburg, DDS, PhD, Max J Witjes, MD, DDS, PhD; Department of Oral and Maxillofacial surgery, University Medical Center Groningen (UMCG), The Netherlands. * Department of Head and Neck Oncology, Dutch Cancer Institute (NKI-AvL), Amsterdam, The Netherlands

P837: Feasibility of Robot-Assisted Neck Dissections Via a Transaxillary and Retroauricular ("TARA") Approach in Head and Neck Cancer: Preliminary Results; Yoon Woo Koh, MD, PhD, Won Shik Kim, MD, Hyoung Shin Lee, MD, So Yoon Lee, MD, Hyun Jun Hong, MD, Hong-Shik Choi, MD PhD, Se Heon Kim, MD PhD, Eun Chang Choi, MD PhD

P838: Robotic Selective Neck Dissection by a Modified Facelift Approach for Head and Neck Cancer: Preliminary Report; Kyung Tae, MD, Yong Bae Ji, MD, Jong Min Kim, MD; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, Hanyang University, Seoul, Korea

P839: Novel Intraoperative Tumor Localization Technique: Combining Intraoperative MRI and Transoral Robotic Surgery; Brandon Musgrave, MD, Tamer Ghanem, MD PhD; Henry Ford Health System

P840: The Relationship Between User Input and Robotic Output While Using the Da Vinci Surgical Robot; Paul J Johnson, MS, Howie Choset, PhD, Umamaheswar Duvvuri, MD PhD; University of Pittsburgh and Carnegie Mellon University

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P841: Web-Based Teaching System for Surgical Training and Cancer Patient Education; Hideyuki Kataoka, MD, Takahiro Fukuhara, MD, Eiji Takeuchi, MD, Kazunori Fujiwara, MD, Naritomo Miyake, MD, Hiroya Kitano, MD; Otolaryngology Head and Neck Surgery, Tottori University

P842: Robot-Assisted Comprehensive Neck Dissections via a Transaxillary and Retroauricular ("TARA") Approach in Papillary Thyroid Carcinoma with Cervical Lymph Node Metastasis; Won Shik Kim, MD, Hyoung Shin Lee, MD, So Yoon Lee, MD, Hyun Jun Hong, MD, Se-Heon Kim, MD PhD, Hong-Shik Choi, MD PhD, Eun Chang Choi, MD PhD, Yoon Woo Koh, MD PhD; Department of Otorhinolaryngology, Yonsei University College of Medicine, Seoul, Korea

P843: Thyroidectomy: A Treatment Option for Patients with Cardiac Manifestations of Graves' Disease; Timo Z Nazari-Shafti, Salem I Noureldine, MD, Paul Friedlander, MD, FACS, Emad Kandil, MD, FACS; Tulane University School of Medicine

P844: Developing a Surgeon-Computer Interface for Real-Time Image Guidance: Strategies to Enhance Orientation and Reduce Distraction; Benjamin Dixon, MBBS, Michael Daly, MSc, Harley Chan, PhD, Allan Vescan, MD, Ian Witterick, MD, Jonathan Irish, MD; University of Toronto, Dept. of Otolaryngology Head & Neck Surgery, University Health Network and Mount Sinai Hospital

P845: Transoral Robotic-Assisted Revision Nasopharyngectomy with Free Flap Reconstruction; Varun Bhandarkar, BS, Samer Al-Khudari, MD, Robert Stachler, MD, Tamer Ghanem, MD, PhD; Wayne State University School of Medicine; Henry Ford Hospital Systems, Detroit, MI

P846: Feasibility of Transoral Robotic Surgery in the Treatment of Parapharyngeal Tumors; Se-Heon Kim, MD, Armando De Virgilio, MD, Young Min Park, MD, Won Shik Kim, MD, So Youn Lee, MD, Eun Chang Choi, MD; Yonsei University College of Medicine, " Sapienza" University of Rome

P847: Transoral Robotic Assisted Free Flap Reconstruction after Radiation Therapy in Hypopharyngeal Carcinoma; Stéphane Hans, MD, PhD, Thomas Jouffroy, MD, Philippe Gorphe, MD, Angélique Girod, MD, Caroline Hoffmann, MD, José Rodriguez, MD, Daniel Brasnu, MD; Department of Otolaryngology Head Neck Surgery, Hôpital Européen Georges Pompidou, Assistance Publique Hôpitaux de Paris, Faculté de médecine, Université Paris Descartes, Sorbonne Paris Cité; Department of Otolaryngology – Head Neck Surgery, Institute

P848: Deconstructing Reconstructive Surgery: A Case Study in the Application of the Fine Arts to Surgical Education; C.S. Babaian, MEd MS, Ara A Chalian, MD; Bucks County Community College, Won Institute, University of Pennsylvania

P849: Carbon Dioxide Transoral Laser Microsurgical Excisional Biopsy Versus Incisional (Scalpel) Biopsy in the Evaluation of Oral Squamous Cell Carcinoma Within Potentially Malignant Lesions of the Oral Mucosa; J Vu, Dr, M Schifter, Dr, H G Coleman, Dr, C E Palme, Dr; Department of Oral Medicine and Oral Pathology, Westmead Centre for Oral Health; University of Sydney; Department of Tissue Pathology and Diagnostic Oncology, ICPMR, Westmead Hospital; Department of Otolaryngology, Head & Neck Surgery, Westmead Hospital

P850: Two Decades of Laser Thermal Therapy for Head and Neck Cancer at UCLA; Marcos B Paiva, Michael Bublik, Joel Sercarz; David Geffen School of Medicine

P851: Transoral Surgery for Pharyngeal Squamous Cell Carcinoma Utilizing Videolaryngoscope; Kazunari Nakao, MD, PhD, Takuya Nakagawa, MD, Sadahiro Kishishita, MD, Tsutomu Nomura, MD, DDS, Noriko Tamaruya, MD, Hiroko Monobe, MD, PhD; NTT Medical Center Tokyo

P852: Head and Neck Carcinomas Masquerading as Neck Abscesses; Sue Rene Soon, MBBS, MRCSMMED, Jeevendra Kanagalingam, MD; Changi General Hospital

P853: Advances and Innovations in Computer-Assisted Head and Neck Oncologic Surgery - Technology, Principal Consideration and Clinical Implementation; Majeed Rana, Harald Essig, Martin Ruecker, André Eckardt, Nils-Claudius Gellrich; Hannover Medical School, Department of Craniofacial Surgery

P854: Transoral Robotic Surgery Hypopharyngectomy (TORS-HP); Gerges Lawson, MD, Vincent BACHY, MD, Abie Mendelsohn, MD, Sebastien Van Der Vorst, MD, Marc Remacle, MD, PhD; ENT & Head Neck Department CHU UCL de Mont-Godinne, Belgium

P855: Endoscopic Diode Laser Surgery in Advanced Laryngeal Cancer; Roberto Saetti, Marina Silvestrini; UO ORL Ospedale S.Bortolo Vicenza, UO ORL Ospedale S.Chiara Trento

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P856: The Transoral-Transcervical Approach for Surgical Treatment of Selected Locally Advanced Oropharyngeal Tumors (The Pull Through Oropharyngectomy): Surgical Technique and Initial Experience with 4 Cases; Fabio Pinto, PhD, MD, Claudio Andrade, MD, Marco Kulcsar, PhD, MD, Jossi Kanda, PhD, MD, Claudio Cernea, PhD, MD, Lenine Brandão; Head and Neck Department of São Paulo State Cancer Institute University of São Paulo School of Medicine

P857: The Diagnostic Challenge of a Parathyroid Adenoma Undetectable by Tc-99M Sestamibi Scintigraphy or Computed Tomography in a Patient with Newly Diagnosed Sarcoidosis and Symptomatic of Hypercalcaemia; Joseph El-Sheikha, MBChB, MRCS, Ian Hutchinson, MBChB, FRCS, MD, Andrew Pettit, MBChB, FRCP; Airedale General Hospital

P858: The Surgical Outcome of Malignant Temporal Bone Tumors; Roy Hod, MD, Dafna Gershnabel, MD, Ben Nageris, MD, Thomas Shpizter, MD, Raphael Feinmesser, MD, Jacob Shvero, MD, Karl Segal, MD, Gideon Bachar, MD; Department of Otolaryngology, Head and Neck Surgery, Rabin Medical Center, Petach Tiqva, Israel

P859: Implementation of Internship in Surgery with a Medical School Methodology of Problem-Based Learning in an Oncology Hospital. A Brazilian Experience; Leonardo S Kruschewsky, PhD, MD, Marinella B Kruschewsky, Medical Student, Leda Solano, PhD, MD, Wania Aguiar, PhD, MD, Marcus Borba, PhD, MD, Ana Claudia Imbassahy, PhD, MD; Hospital Aristides Maltez e FTC - Faculdade de Tecnologia e Ciencia

P860: Transoral Robotic-Assisted Supraglottic Laryngectomy: Our Experience; Pier Guido Ciabatti, MD, Giulia Burali, MD, Luca D'Ascanio, MD; Department of Otolaryngology – Head & Neck Surgery, "San Donato" Civil Hospital, Arezzo, Italy; Department of Otolaryngology Head & Neck Surgery, Città di Castello Civil Hospital, Italy

P861: Chromoscopy Digital and Identification of the Parathyroid Gland During Thyroidectomies. Preliminary Study; Marco Kulcsar, PhD, MD, Brescia Marilia, PhD, MD, Kim Jorge, MD, Brandão Lenine, PhD, MD, Claudio Cernea, PhD, MD; Head and Neck Service- Clinical Hospital São Paulo University Medical School

P862: Primary Cutaneous Extranodal Diffuse Large B-Cell Lymphoma in the Head and Neck; Samip N Patel, MD, Hernani D Cualing, MD, Scott A Powell, MD, Tapan A Padhya, MD; University of South Florida College of Medicine

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P863: Can the BRAF Mutation Predict Occult Central Compartment Lymph Node Metastasis in T1 and T2 Papillary Thyroid Cancer?; Gilberto V Teixeira, MD, PhD, Horacio Chikota, MD, Justin A Bishop, MD, Rafael Guerrero-Preston, PhD, Claudio R Cernea, MD, PhD, Ralph P Tufano, MD; CEPON, Johns Hopkins Medical Institutions, Hospital das Clinicas da FMUSP

P864: A Comparative Study of Microscopic and Macroscopic Extrathyroidal Extension on Surgical Outcomes in Papillary Thyroid Carcinoma; Min Woo Park, MD, Jun Hyuk Yoo, MD, Young Ho Ju, MD, Jae-Gu Cho, MD, PhD, Seung-Kuk Baek, MD, PhD, Jeong-Soo Woo, MD, PhD, Soon Young Kwon, MD, PhD, Kwang-Yoon Jung, MD, PhD; Department of Otorhinolaryngology-Head and Neck Surgery, Korea University College of Medicine, Seoul, Korea

P865: Avoiding Diagnostic Thyroidectomies: Role of Heparanase in the Biology of Follicular Lesions and in the Differentiation of Malignant and Benign Thyroid Neoplasms; Leandro L Matos, MD, MSc, Thérèse R Theodoro, MSc, Eloah R Suarez, PhD, Damila C Trufelli, MD, Larissa F Garcia, Student, Jossi L Kanda, MD, PhD, Helena H Nader, PhD, João Roberto M Martins, MD, PhD, Maria Aparecida S Pinhal, PhD; Faculdade de Medicina do ABC and Universidade Federal de São Paulo

P866: Utility of Intraoperative Frozen Sections During Thyroid Surgery; R Kahmke, MD, W T Lee, MD, L Puscas, MD, R Scher, MD, M Shealy, MD, W Burch, MD, R M Esclamado, MD; Duke University Medical Center

P867: Prognostic Implications of Papillary Thyroid Carcinoma with Tall Cell Features; Ian Ganly, PhD, MD, Tihana Ibrahimpasic, MD, Iain Nixon, MD, Michael Rivera, MD, Frank Palmer, BA, Ashok Shaha, MD, Jatin Shah, MD, Snehal Patel, MD, Michael Tuttle, MD, Ronald Ghossein, MD; Memorial Sloan - Kettering Cancer Center

P868: Systematic Review of the Role and Cost Effectiveness of Serum PTH and Calcium Levels in Predicting Hypocalcaemia in Post-Thyroidectomy Patients to Facilitate Early Discharge; A Jain, FRCS, DLO, MS, P O'Hare, MD, FRCP, H Mehanna, PhD, BMedSc, hons FRCS, FRCSORLHNS; Institute of Head and Neck Studies and Education, University Hospital Coventry and Warwickshire

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P869: Large Nodule Size Is Associated with an Increased Incidence of Cytologically Missed Follicular Neoplasms; Rania Mehanna, MB, BMedSci, MRCSi, Michael Murphy, MB, Julie McCarthy, MB, MRCPath, DipCyto, PhD, Gerad O'Leary, MB, FRCSI, Matthew S Murphy, MB, MRCPI, Patrick Sheahan, MD, FRCSI, ORLHNS; South Infirmary Victoria University Hospital, Cork, Republic of Ireland

P870: Does Elective Transcervical Superior Mediastinal Dissection Is Really Necessary Procedure for the Papillary Thyroid Cancer Patients? A Prospective Study; Seung Won Lee, MD, PhD, Jae Wook Kim, MD, Jae Hong Park, MD, Hyun Sook Hong, MD, Jung Ja Kwak; Soonchunhyang University College of Medicine, Bucheon, Korea

P871: Anaplastic Thyroid Cancer in Younger Patients: A Contemporary Review; Mingsi Li, Mira Milas, MD, Christian Nasr, MD, Jennifer Brainard, MD, Mumtaz Khan, MD, Brian Burkey, MD, Joseph Scharpf, MD; The Cleveland Clinic

P872: Well Differentiated Thyroid Carcinoma with Entensive Extrathyroidal Extention - Site of Invasion Influences Outcome; Wen Jie Lim, Dr, Gopal Iyer, MBBS, MMed, PhD, Hlang Khoon Tan, MBBS, FRCS, PhD; National Cancer Center Singapore

P873: Tailored Treatment of Medullary Thyroid Cancer (MTC); Guy Andry, MD, Esther Willemse, MD, Antoine Digonnet, MD, Marie Quiriny, MD, Camilo Garcia, Martine Delmelle, TH Nguyen, Denis Larsimont, Marc Lemort, Yassine Lalami, MD, Marianne Paesmans; Jules Bordet Institute

P874: Validation of the 2009 Revised Ata Guidelines on Surgical Strategy of Thyroid Papillary Microcarcinoma According to the Postoperative Pathologic Results; Sang Min Lee, MD, Joong Keun Kwon, MD, Tae-Hoon Lee, MD, Jung Gwon Nam, MD, Jong Cheol Lee, MD; Department of Otorhinolaryngology, Ulsan University Hospital, Ulsan, Republic of Korea

P875: Comparison of Complications of Total Thyroidectomy in Malignant vs. Benign Thyroid Tumors; Sukumal Saha, MD, FACS, FRCS, Gul R Sachwani, DO, Manish Raiji, MD, Randy Hicks, MD, Gregory Johnston, DO, Mohammed S Shaik, MD, Phil Gafford, MD, Muhammad Bakleh, MD, Navdeep R Sayal, David Wiese, MD, MBA, PhD; McLaren Regional Medical Center/Michigan State University, Flint, MI, Genesys Regional Medical Center, Grand Blanc, MI, St.John Providence Health System (St.John Macomb-Oakland), Madison Heights, MI

P876: Robotic Lateral Compartment Selective Neck Dissection by a Gasless Unilateral Axillo-Breast (GUAB) Approach for Papillary Thyroid Carcinoma: Preliminary Report; Kyung Tae, MD, Yong Bae Ji, MD, Jong Min Kim, MD; Department of Otolaryngology-Head and Neck Surgery, College of Medicine, Hanyang University, Seoul, Korea

P877: Blood Loss in Total Thyroidectomy: Harmonic Scalpel Versus Conventional Knot Tying for Vessel Ligation - A Prospective Northeastern Brazilian Study Group; André Leonardo Costa, MSc, DDS, MD, Raiza Alvim, Nurse, Claudio Rogerio Lima, DDS, MD; São Rafael Hospital - Salvador - Bahia - Brazil

P878: Recent Trends on the Epidemiological Profile of Patients with Thyroid Cancer Treated in a Cancer Center; Renan B Lira, MD, Phelipe C Bezerra, MD, José G Vartanian, MD, PhD, João Gonçalves Filho, MD, PhD, Luiz P Kowalski, MD, PhD; Hospital AC Camargo

P879: Search for BRAF Mutation in Thyroid Nodules Fna: Can It Change Diagnosis and Treatment?; Renan B Lira, MD, André L Duarte, MD, Victor P Andrade, MD, PhD, Luiz P Kowalski, MD, PhD; Hospital AC Camargo

P880: Revision Thyroidectomy in the Management of Well Differentiated Thyroid Cancer: Necessity, Extent and Safety; Irawati Nina, MD, Desmukh Anuja, MD, MS, Chaukar davendra, MD, MS, Dcruz Anil, Prof MD, MS; Tata Memorial Hospital

P881: Risk Factors for Cervical Lymph Node Metastasis in Papillary Thyroid Microcarcinoma: A Meta Analysis; Nopawan Vorasubin, MD, Chau Nguyen, MD, Marilene Wang, MD; UCLA David Geffen School of Medicine

P882: Routine Central Lymph Node Dissection for Papillary Thyroid Microcarcinoma: Shanghai Experience in 10 Years; Qing Guan, MD, Zhuoying Wang, MD, PhD, Tuanqi Sun, MD, PhD; Fudan University Shanghai Cancer Center

P883: Final Report of Parathyroid Glands Dyes with Methylen Blue to Prevent Hypocalcemia after Total Thyroidectomy: Prospective Randomized Study; Matias Lavin, MD, Gerardo Mordojovich, MD, Luis Marin, MD, David Cohn, MD, Nicolas Avalos, MD; Hospital Fuerza Aerea de Chile y Fundacion Arturo Lopez Perez, Chile

P884: Prognostic Factors in Well Differentiated Thyroid Carcinoma Pacients Older Than 45 Years; Luis R Quiroa, MD, Joao Goncalves Filho, PhD, MD, Luiz Paulo Kowalski, PhD, MD; Department of Head and Neck Surgery and Otolaryngology, A.C. Camargo Hospital Sao Paulo, Brazil

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P886: Long Term Treatment Results of 218 Cases of Papillary Thyroid Microcarcinomas in Patients Older Than 45 Years; Luis R Quiroa, MD, Joao Goncalves Filho, PhD, MD, Luiz Paulo Kowalski, PhD, MD; 1Department of Head and Neck Surgery and Otolaryngology, A.C. Camargo Hospital, Sao Paulo, Brazil

P887: Timing of Intraoperative Baseline Parathormone Estimation at the Time of Parathyroidectomy; Lauren Garbutt, BSc, K A Pathak, MS, Dip Nat Bd, MNAMS, FRCSGlasg, FRCSEd; University of Manitoba

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P889: Lateral Neck Dissection for Metastatic Papillary Thyroid Cancer: A Large-Volume Tertiary Care Center Experience; Mazin Merdad, MD, MPH, Teresa Kroeker, MD, Jeremy Freeman, MD; Department of Otolaryngology-Head and Neck Surgery, Mount Sinai Hospital, University of Toronto

P890: Accuracy of Thyroid FNA: Correlation with Final Histopathology in a Surgical Series of 1110 Patients; Phelipe C Bezerra, MD, Renan B Lira, MD, José G Vartanian, MD, PhD, João Gonçalves Filho, MD, PhD, Luiz P Kowalski, MD, PhD; Hospital AC Camargo

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P892: Incidental Thyroid Nodules in Patients with Primary Hyper-parathyroidism; David I Kutler, MD, David J Phillips, MD, Marc a Cohen, MD, William I Kuhel, MD; Weill Cornell Medical College

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P894: Predictive Factors of Contralateral Central Metastasis in Papillary Thyroid Carcinoma; Yun-Sung Lim, Yoon Se Lee, Byung-Joo Lee; Pusan National University School of Medicine and Medical Research Institute

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P897: Skip Metastasis Leaping Central Lymph Node Compartment in Papillary Thyroid Carcinoma; Incidence and Its Prognostic Significance; Chang Hwan Ryu, MD, Young Kee Shong, MD, Jong-Lyel Roh, MD, Soon Yuhl Nam, MD, Seung-Ho Choi, MD, Sang Yoon Kim, MD; Department of Otolaryngology, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea, Department of Internal Medicine, Asan Medical Center; University of Ulsan College of Medicine, Seoul, Republic of Korea

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P901: Management of the Compromised Airway and the Role of Tracheostomy in Anaplastic Thyroid Cancer; Navin Mani, MBBS, MRCS, Natalie Lowe, MBBS, Jarrod J Homer, MD, FRCS, Sean Loughran, FRCS, Beng Yap, MRCP, FRCR; The Christie Hospital, Manchester, UK

P902: High Recurrence Rate in Low Risk Patients with Papillary Thyroid Carcinoma after Total Thyroidectomy and Radioactive Iodine; Ohad Hilly, MD, Raanan Raz, PhD, Yaniv Hamzany, MD, Aviram Mizrachi, MD, Ethan Soudry, MD, Yona Vaisbuch, MD, Raphael Feinmesser, MD; Department of (1) Otolaryngology-Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel, and (2) Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel

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P906: Ultrasonographic Predictive Factors of Central Lymph Node Metastasis in Single Intraglandular Papillary Microcarcinoma; Lee Byung-Joo, MD, PhD, Lim Yun-Sung, MD, Lee Yoon-Se, MD, PhD, Lee Jin-Choon, MD, PhD, Wang Soo-Geun, MD, PhD; Department of Otorhinolaryngology-Head and Neck Surgery, Pusan National University School of Medicine and Medical Research Institute, Busan, South Korea

P907: Thyroid Cancer Incidence Rates and Treatment Patterns Among Us Hispanics: A Seer Database Analysis; Yin Yiu, MD, Jose P Zevallos, MD, Vancheswaran Gopalakrishnan, BDS; Department of Otolaryngology/Head and Neck Surgery, Baylor College of Medicine; University of Texas-Houston School of Public Health

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P913: Prognostic Factors and Treatment Outcome of Lung Metastases in Differentiated Thyroid Carcinoma; Hideaki Okuyama, MD, Kunihiko Nagahara, MD, PhD, Atushi Suehiro, MD, PhD, Sueyoshi Moritani, MD, Shinji Yajin, MD, PhD; Kusatsu General Hospital

P914: Diagnostic Utility of CD56 and CK19 Immunohistochemical Panel in Thyroglossal Duct Carcinoma; Julio a Diaz-Perez, MD, MS, Juan S Barajas-Gamboa, MD, Paola Aranda-Valderrama, MD, Alvaro a Herrera-Hernandez, MD, Alfredo E Romero-Rojas, MD; University of California and Universidad de Santander

P915: Papillary Thyroid Carcinoma: Tall Cell Variant. Cohort Study; Alfredo Jose Rios, MD, Marcelo Figari, MD, Eduardo Mazzaro, MD, Juan Jose Larrañaga, MD, Edgardo Franciosi, MD; Hospital Italiano de Buenos Aires, Argentina

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P917: Follow Up of Iodine Urinary Levels in Patients with Hyperthyroidism and Cancer: Amiodarone Protocol; David Cohn, MD, Matias Lavin, MD, Nicolas Avalos, MD, Jorge Plasser, MD, Manuel Barria, MD, Luis Marin, MD; Fundacion Arturo Lopez Perez, Chile

P918: Evaluation for Coexistence of Thyroid Pathology in Hyperparathyroid Patients Undergoing Radioguided Parathyroidectomy; Sukamal Saha, MD, Gregory Johnston, DO, Randy Hicks, MD, Phillip Gafford, MD, Manish Raiji, MD, Mohammed S Shaik, MD, Jamal Hammoud, MD, David Wiese, MD, MBA, PhD, Seth Palmer, DO, Mark Noel, DO; McLaren Regional Medical Center / Michigan State University

P919: Web-Based Structured Synoptic Operative Reports for Thyroid Surgery: Advancing Quality Care Through Knowledge Management; R Nason, MD, J Pasieka, MD, a Pathak, MD, D Williams, MD, W Temple, MD; University of Manitoba, University of Calgary, University of Alberta

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P921: Managing Substernal Goiters - When to Do Sternotomy?; Daxesh Patel, MS, MCh, HN, Dushyant Mandlik, MS, Rajendra Toprani, MS, MCh, Onco, Kaustubh D Patel, MS, MCh, Onco; H&N Service, Aastha Oncology Associates, HCG-MediSurge Cancer Center, Ahmedabad, India

P922: Treatment of Anaplastic Thyroid Carcinomas: How Much Is Too Much?; R Q Q Lim, C G L Hobbs, Jeevendra Kanagalingam; Department of Otorhinolaryngology, Tan Tock Seng Hospital, Singapore

P923: Tracheal Resection in Papillary Thyroid Carcinoma; Adrian G Ortega, Lucas Chiurco, Ruben O Padin; Hospital Nacional Prof. A. Posadas

P924: Quantitative Analysis of Central Lymph Node Metastasis in Thyroid Cancer by Frozen Biopsy; Lee Byung-Joo, MD, PhD, Lim Yun-Sung, MD, Lee Yoon-Se, MD, PhD, Lee Jin-Choon, Wang Soo-Geun, MD, PhD; Department of Otorhinolaryngology-Head and Neck Surgery Pusan National University School of Medicine and Medical Research Institute, Busan, South Korea

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P929: Prognostic Factors in Patients with Well-Differentiated Thyroid Carcinoma with Locoregional Recurrence; B F Pompeo, MD, T C Chulam, MD, L P Kowalski, PhD, J Magrin, PhD; AC Camargo Hospital ; Heliópolis Hospital

P930: Pattern of Lymph Nodes Spread in Thyroid Carcinoma; Ohad Ronen, MD, Nurit Melamud, MD, Ilana Doweck, MD; Department of Otolaryngology - Head and Neck Surgery, Lady Davis' Carmel Medical Center; Ruth and Bruce Rapapport School of Medicine, Technion–Israel Institute of Technology, Haifa, Israel

P931: The Discrepancy Between Tumor Size Measured by Preoperative Ultrasonography and Postoperative Pathology Examination in Papillary Thyroid Carcinoma; Young Hoon Yoon, Yeo-Hoon Yoon, Bon Seok Koo, PhD, MD; 1Department of Otolaryngology-Head and Neck Surgery, Cancer Research Institute, Research Institute for Medical Sciences, Chungnam National University College of Medicine, Daejeon, Korea

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P933: Assessing Provision of Thyroid Surgery in Worcestershire: A Retrsopective Cohort Study; Thomas Dougherty, BM BCh, MA, MRCS, Joel Smith, MRCS, Chris Ayshford, FRCS; Dept of Otolaryngology, Worcestershire Royal Hospital, Worcester, England

P934: Intraoperative Monitoring of Recurrent Laryngeal Nerve in Thyroid Surgery; Ahmet Ikiz, MD, Cenk Ecevit, MD, Ersoy Dogan, MD, Gokhan Kurtoglu, MD; Dokuz Eylul University Faculty of Medicine, Department of ENT and HNS

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P945: Tracheal Resection for Malignant Diseases: Surgical and Functional Results; Elizabeth M Iype, MBBS, DLO, DNB, MNAMS, Nebu a George, MBBS, MS, MRCS; Regional cancer Centre, Trivandrum, Kerala, India

P946: BRAF Mutations in the Elderly with Papillary Carcinoma Submitted to Thyroidectomy; Antonio A Bertelli, MD, Murilo R Melo, MD, PhD, Alexandre B Suehara, MD, Luiz C Massarollo, MD, Antonio J Gonçalves, MD, PhD, Marcelo B Menezes, MD, PhD, Erivelto M Volpi, MD, PhD; Santa Casa Medical School

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About the AHNS

History of the Society

On May 13, 1998, The American Head and Neck Society (AHNS) became the single largest organization in North America for the advancement of research and education in head and neck oncology. The merger of two societies, the American Society for Head and Neck Surgery and the Society of Head and Neck Surgeons, formed the American Head and Neck Society.

The contributions made by the two societies forming the AHNS are significant in the history of surgery in the United States. Dr. Hayes Martin conceived the Society of Head and Neck Surgeons in 1954, a surgeon considered by many to be the "father of modern head and neck tumor surgery." The purpose of the society was to exchange and advance the scientific knowledge relevant to the surgery of head and neck tumors (exclusive of brain surgery) with an emphasis on cancer of the head and neck. Two years later, The American Society for Head and Neck Surgery was organized with the goal to "facilitate and advance knowledge relevant to surgical treatment of diseases of the head and neck, including reconstruction and rehabilitation; promote advancement of the highest professional and ethical standards as they pertain to the practice of major head and neck surgery; and to honor those who have made major contributions in the field of head and neck surgery, or have aided in its advancement".

The new Society remains dedicated to the common goals of its parental organizations.

Mission Statement

The purpose of this society is to promote and advance the knowledge of prevention, diagnosis, treatment and rehabilitation of neoplasms and other diseases of the head and neck, to promote and advance research in diseases of the head and neck, and to promote and advance the highest professional and ethical standards.

Why Join the AHNS?

The American Head and Neck Society is an organization of physicians, scientists and allied health professionals dedicated to improving the understanding of Head and Neck Cancer and the care of patients afflicted with that disease. Membership is open to a wide variety of interested individuals in several categories that differ both in terms of responsibility and level of involvement in the society.

For more information about AHNS membership and to apply on-line, please visit www.ahns.info/membercentral, call +1-310-437-0559, ext. 110 or ask at the AHNS Membership Booth for additional information.

The Benefits of AHNS Membership:

- Interaction with colleagues dedicated to promoting and advancing the knowledge of prevention, diagnosis, treatment, and rehabilitation of neoplasms and other diseases of the head and neck
- Member rates on all meeting registration fees
- The honor of being a part of our worldwide network of surgeons, physicians and health care professionals dedicated to the prevention and treatment of head and neck cancer

- Opportunities to partake in educational offerings, including those planned by the society and those co-sponsored by the society
- Opportunity to post regional meetings and courses on the AHNS "Related Meetings" web page
- Access to the AHNS member contact information in the "Members Only" section of our web site
- Monthly e-newsletter with updates about the society and head & neck surgery
- Ability to apply for research grant awards offered yearly
- Opportunity to participate on committees and to vote at the annual business meeting

Qualifications for Active Fellowship

Surgical Applicants must be Diplomats of the American Board of Otolaryngology, Plastic Surgery, or Surgery or **OTHER EQUIVALENT CERTIFICATION BOARD.** Additionally, all applicants must be Fellows of the American College of Surgeons, Fellows in the Royal College of Surgeons (FRCS) or equivalent non-surgical organization.

Qualifications for Associate Fellowship

An applicant for Associate Fellowship must be a physician, dentist, or scientist who has special interest contributions in the field of neoplastic or traumatic diseases of the head and neck.

Qualifications for Candidate Fellowship

The trainee currently enrolled in an approved residency program in Otolaryngology, Plastic Surgery, or General Surgery or in a Fellowship program approved by the Advanced Training Council may become a Candidate Fellow.

Qualifications for Corresponding Fellowship

An applicant for Corresponding Fellowship must be a physician who specializes in the treatment of head and neck cancer, who by their professional associations and publications, would appear in the judgment of Council to be qualified to treat head and neck cancer. Corresponding Fellows must reside in a country other than the United States or Canada.

Deadline for Next Membership Review is Wednesday, October 31, 2012

Officers of the AHNS

President:	Carol R. Bradford, MD
President-Elect:	Mark K. Wax, MD
Vice-President:	Terry A. Day, MD
Secretary:	Dennis H. Kraus, MD
Treasurer:	Ehab Y. Hanna, MD
Past-Presidents:	David W. Eisele, MD
	John A. Ridge, MD
	Wayne M. Koch, MD

Fellows-At-Large:

Jay O. Boyle, MD
Brian B. Burkey, MD
Daniel G. Deschler, MD
Ralph W. Gilbert, MD
Pierre Lavertu, MD
Kerstin Stenson, MD
Erich M. Sturgis, MD
Ralph P. Tufano, MD
Marilene B. Wang, MD

Committees of the AHNS

Ad Hoc Reconstructive Committee

Eben L. Rosenthal, MD (Chair)	2009-2012	Urjeet A. Patel, MD	2011-2014
Mark K. Wax, MD	2009-2012	Jeremy Richmon, MD	2011-2014
Mathew M. Hanasono, MD	2010-2013	Luke Buchmann, MD	2012-2015
Oleg Militsakh, MD	2010-2013		

Ad Hoc CME Measurement Taskforce

Douglas A. Girod, MD (Chair)	2010-2012	Ellie Maghami, MD	2010-2012
Paul L. Friedlander, MD	2010-2012	Jeffrey N. Myers, MD, PhD	2010-2012
Jonathan Irish, MD, FACS	2010-2012	Karen T. Pitman, MD	2010-2013
Samir Khariwala, MD	2010-2012	Eben L. Rosenthal, MD	2010-2013
Greg A. Krempl, MD	2010-2012		

Ad Hoc Advanced Technologies Taskforce

Randal S. Weber, MD (Chair)	2011-2013	J. Scott Magnuson, MD	2011-2013
Jeffrey M. Bumpous, MD	2011-2013	Bert W. O'Malley, Jr., MD	2011-2013
Terry A. Day, MD	2011-2013	Ashok R. Shaha, MD	2011-2013
Ramon Esclamado, MD	2011-2013		

Advanced Training Council (ATC)

Ashok R. Shaha, MD (Chair)	2002-2012	Ramon Esclamado, MD	2008-2013
William M. Lydiatt, Secretary	2007-2012	Kerstin M. Stenson, MD	2009-2014
Joseph A. Califano, MD	2007-2012	Neal Topham, MD	2009-2014
Ara A. Chalian, MD	2007-2012	Danny Enepekides, MD	2010-2015
Jeffrey M. Bumpous, MD	2008-2013	Erich M. Sturgis, MD	2010-2015

Awards Committee

D. Gregory Farwell (Chair)	2010-2013	Daniel G. Deschler, MD	2010-2013
Joseph A. Califano, MD	2006-2012	Jason Kim, MD	2010-2013
William R. Carroll, MD	2007-2013	John H. Yoo, MD	2010-2013
M. Boyd Gillespie, MD	2009-2012	Miriam Lango, MD	2011-2014

CME Compliance Committee

Paul L. Friedlander, MD (Chair)	2011-2013	Greg A. Krempl, MD	2010-2012
Dennis H. Kraus, MD (Ex Officio)	2007-2013	Michael Kupferman, MD	2010-2012
Douglas A. Girod, MD	2008-2012	Marilene B. Wang, MD	2010-2012
Samir Khariwala, MD	2010-2012	Jeffrey N. Myers, MD, PhD	2011-2013

Committees of the AHNS

Constitution and By-Laws Committee

Brian B. Burkey, MD (Chair) 2010-2013
Dennis H. Kraus, MD (Ex Officio) 2007-2013
Brandon G. Bentz, MD 2007-2013
Paul L. Friedlander, MD 2007-2013
Shelley McQuone, MD 2009-2012
Ellie Maghami, MD 2010-2013

Credentials Committee

Carol R. Bradford, MD (Chair) 2011-2012
Dennis H. Kraus, MD (Ex Officio) 2007-2013
John A. Ridge, MD, PhD 2009-2012
John W. Werning, MD 2009-2012
David W. Eisele, MD 2010-2013
Joseph C. Sniezek, MD 2010-2013

Education Committee

David Goldenberg, MD (Chair) 2010-2013
David I. Rosenthal, MD 2007-2013
Kelly M. Malloy, MD 2009-2012
Mark Prince, MD 2009-2012
Uttam K. Sinha, MD 2009-2012
Erich M. Sturgis, MD 2009-2012
Theodoros N. Teknos, MD 2009-2012
Stephen W. Bayles, MD 2010-2013
R. Bryan Bell, MD, DDS 2010-2013
Robert W. Dolan, MD 2010-2013
Miriam Lango, MD 2010-2013
Neil D. Gross, MD 2011-2014
Eric Lentsch, MD 2011-2014
Ellie Maghami, MD 2011-2014
Kavita Pattani, MD, MS 2011-2014
Luke Buchmann, MD 2012-2015

Endocrine Committee

David J. Terris, MD (Chair) 2010-2013
Gary L. Clayman, MD, DDS 2007-2013
Gregory L. Randolph, MD 2007-2013
Maisie Shindo, MD 2007-2013
Ralph P. Tufano, MD 2007-2013
Kevin T. Brumund, MD 2009-2012
Russell B. Smith, MD 2009-2012
Salvatore M. Caruana, MD 2010-2013
Amy Chen, MD 2010-2013
Lisa A. Orloff, MD 2010-2013
Brendan C. Stack, Jr., MD 2010-2013
David Steward, MD 2010-2013
Eric Lentsch, MD 2011-2014
Glenn E. Peters, MD 2011-2014

Ethics Committee

William Lydiatt, MD (Chair) 2010-2013
Jeffrey Bumpous, MD 2010-2013
Wayne Koch 2010-2013
Daniel Deschler, MD 2010-2013
M. Boyd Gillespie, MD 2010-2013
Douglas Girod, MD 2010-2013
Suan Di McCommon, MD 2010-2013

Finance Committee

Cherie-Ann O. Nathan, MD (Chair) 2011-2014
Ehab Y. Hanna, MD (Ex Officio) 2010-2013
David J. Terris, MD 2008-2012
Robert L. Ferris, MD, PhD 2011-2013

History Committee

Jesus E. Medina, MD (Chair) 2010-2012
Pierre Lavertu, MD 2008-2012
William J. Richtsmeier, MD, PhD 2008-2012
Keith S. Heller, MD 2010-2012
Jonas T. Johnson, MD 2010-2012
Greg A. Krempl, MD 2010-2012
Jatin P. Shah, MD, PhD 2010-2012
Randal S. Weber, MD 2011-2013

Humanitarian Committee

Wayne M. Koch, MD (Chair) 2009-2012
Carol R. Bradford, MD 2009-2012
Salvatore M. Caruana, MD 2009-2012
Douglas A. Girod, MD 2009-2012
Dennis H. Kraus, MD 2009-2012
James L. Netterville, MD 2009-2012
Randall P. Owen, MD 2009-2012
Carol G. Shores, MD, PhD 2009-2012
Robert W. Dolan, MD 2010-2013
Robert A. Frankenthaler, MD 2010-2013
Gady Har-El, MD 2010-2013
Shawn Newlands, MD, PhD, MBA 2010-2013
Francisco J. Civantos, MD 2011-2013
Gregory L. Randolph, MD 2011-2013
Merry E. Sebelik, MD 2011-2013

Nominating Committee

David W. Eisele, MD (Chair) 2011-2012
Wayne Koch, MD 2009-2012
John A. Ridge, MD, PhD 2010-2013
Karen T. Pitman, MD 2011-2012
Theodoros N. Teknos, MD 2011-2012

Committees of the AHNS

Prevention and Early Detection Committee

Elizabeth A. Blair, MD (Chair)	2007-2013	Eben L. Rosenthal, MD	2010-2013
Ann M. Gillenwater, MD	2007-2013	Hadi Seikaly, MD	2010-2013
Daniel D. Lydiatt, MD, DDS	2007-2013	Uttam K. Sinha, MD	2010-2013
Nishant Agrawal, MD	2009-2012	Derrick Wallace, MD	2010-2013
Jay O. Boyle, MD	2010-2013	Joseph A. Califano, MD	2011-2014
Samir Khariwala, MD	2010-2013	Michael G. Moore, MD	2011-2014
Karen T. Pitman, MD	2010-2013	Cherie-Ann O. Nathan, MD	2011-2014

Publications Committee

Bill Lydiatt, MD (Chair)	2010-2013	Thomas Gal, MD	2010-2012
Bevan Yueh, MD (Co-Chair)	2008-2011	Eric Genden, MD	2010-2012
Paul A. Levine, MD (Ex Officio)	2006-2010	Uttam K. Sinha, MD	2010-2012
Elliot Abemayor, MD, PhD	2010-2012	Mark K. Wax, MD	2010-2012
Brandon G. Bentz, MD	2008-2012	Brian B. Burkey, MD	2011-2013
Bruce J. Davidson, MD	2008-2012	Jennifer R. Grandis, MD	2011-2013
M. Boyd Gillespie, MD, MS	2008-2012	Ehab Y. Hanna, MD	2011-2013
Christine G. Gourin	2008-2012	Brian Nussenbaum, MD	2011-2013
Derrick Lin, MD	2008-2012	Cecilia Schmalbach, MD	2011-2013
Judith C. McCaffrey, MD	2008-2012	Marita S.S. Tang, MD	2011-2013
Frank R. Miller, MD	2008-2012	Theodoros N. Teknos, MD	2011-2013
Marion E. Couch, MD, PhD	2010-2012	Ralph P. Tufano, MD	2011-2013
Terry A. Day, MD	2010-2012	Marilene B. Wang, MD	2011-2013
Ivan El-Sayed, MD	2010-2012	Wendell G. Yarbrough, MD	2011-2013
D. Gregory Farwell, MD	2010-2012		

Quality Committee

Amy Chen, MD (Chair)	2006-2012	Ralph P. Tufano, MD	2006-2012
Bruce H. Campbell, MD	2006-2012	Randal S. Weber, MD	2006-2012
Bruce J. Davidson, MD	2006-2012	Robert L. Witt, MD, FACS	2006-2012
Amy C. Hessel, MD	2006-2012	Bevan Yueh, MD	2006-2012
Wayne M. Koch, MD	2006-2012	Peter M. Hunt, MD	2009-2012
William M. Lydiatt, MD	2006-2012	Michael Kupferman, MD	2009-2012
Neil Gross, MD	2006-2012	Elizabeth A. Blair, MD	2010-2013
Snehal Patel, MD, MS, FRCS	2006-2012	Christopher Klem, MD	2010-2013
John A. Ridge, MD, PhD	2006-2012	Jeremy Richmon, MD	2010-2013

Relative Value and CPT Advisory Committee

Wayne M. Koch, MD (Chair)	2006-2012	John M. Truelson, MD	2009-2012
Dennis H. Kraus, MD (Ex Officio)	2007-2013	Robert A. Weisman, MD	2009-2012
		Michael L. Hinni, MD	2010-2013
Carol R. Bradford, MD	2006-2012	Joshua Hornig, MD	2010-2013
John A. Ridge, MD, PhD	2006-2012	Neils Kokot, MD	2010-2013
Richard V. Smith, MD	2006-2012	Amy-Anne Donatelli Lassig, MD	2010-2013
Scharukh Jalisi, MD	2009-2012		
Michael J. Kaplan, MD	2009-2012	Eric J. Moore, MD	2010-2013
Jason Newman, MD	2009-2012		

Research Committee

Cherie Ann Nathan (Chair)	2009-2012	Vicente Resto, MD, PhD	2009-2012
Robert L. Ferris, MD, PhD (Co-Chair)	2006-2012	Nishant Agrawal, MD	2010-2013
		Christine G. Gourin, MD	2010-2013
Wendell G. Yarbrough, MD (Co-Chair)	2011-2014	Walter T. Lee, MD	2010-2013
		Eben L. Rosenthal, MD	2010-2013
Ayman Amin, MD	2009-2012	John Sunwoo, MD	2010-2013
Miriam Lango, MD	2009-2012	M. Boyd Gillespie, MD, MS	2011-2014
Kepal N. Patel, MD	2009-2012	Dieter Gruenert, MD	2011-2014

Committees of the AHNS

Website Committee

Karen T. Pitman, MD (Chair) 2009-2012
Richard J. Wong, MD (Co-Chair) 2009-2012
Dennis H. Kraus, MD (Ex Officio) 2007-2013
Brian B. Burkey, MD 2006-2012
Peter E. Andersen, MD 2009-2012
Brian Nussenbaum, MD 2009-2012
Mark A.S. Varvares, MD 2009-2012
Marc D. Coltrera, MD 2010-2013
Miriam Lango, MD 2010-2013
Jeffrey Moyer, MD 2010-2013
Joshua D. Hornig, MD 2011-2014

Representatives

American College of Surgeons Board of Governors
John A. Ridge, MD, PhD 2009-2012

American Board of Otolaryngology Liaison
Mark K. Wax, MD 2010-2013

American College of Surgeons Commission on Cancer
Pierre Lavertu, MD 2010-2012

***Archives of Otolaryngology* Associate Co-Editor**
William M. Lydiatt 2010-2013

***Archives of Otolaryngology News* Editor**
M. Boyd Gillespie, MD 2010-2013

American Joint Committee on Cancer
James Rocco, MD, PhD 2010-2013

AAO-HNSF Legislative Liaison
Bruce J. Davidson, MD 2006-2012

Thyroid Robotics Group Representative
Gregory L. Randolph, MD 2010-2013

AAO-HNSF Board of Governors
Uttam K. Sinha, MD 2010-2012

Sisson Lecture Course Director
Marion E. Couch, MD, PhD 2006-2012
Peter Andersen, MD 2010-2013

Past-Presidents

The American Head and Neck Society:

David W. Eisele, MD	(2011)	Jonas T. Johnson, MD	(2004)
John A. Ridge, MD	(2010)	Paul A. Levine, MD	(2003)
Wayne M. Koch, MD	(2009)	Keith S. Heller, MD	(2002)
Gregory T. Wolf, MD	(2008)	Ernest A. Weymuller, Jr., MD	(2001)
Randal S. Weber, MD	(2007)	Jesus E. Medina, MD	(2000)
John J. Coleman, III, MD	(2006)	Ashok R. Shaha, MD	(1999)
Patrick J. Gullane, MD	(2005)	K. Thomas Robbins, MD	(1999)

The American Society for Head and Neck Surgery:

Dale H. Rice, MD	(1997-98)	J. Ryan Chandler, MD*	(1980-81)
Nicholas J. Cassisi, MD	(1996-97)	Loring W. Pratt, MD	(1979-80)
Charles W. Cummings, MD	(1995-96)	William M. Trible, MD*	(1978-79)
Gary L. Schechter, MD	(1994-95)	John A. Kirchner, MD	(1977-78)
James Y. Suen, MD	(1993-94)	George F. Reed, MD*	(1976-77)
Bryon J. Bailey, MD	(1992-93)	Emanuel M. Skolnick, MD*	(1975-76)
Michael E. Johns, MD	(1991-92)	Daniel Miller, MD*	(1974-75)
Helmuth Goepfert, MD	(1990-91)	Charles M. Norris, MD*	(1973-74)
Willard N. Fee, Jr., MD	(1989-90)	Edwin W. Cocke, Jr., MD*	(1972-73)
Eugene N. Myers, MD	(1988-89)	Burton J. Soboroff, MD*	(1971-72)
Charles J. Krause, MD	(1987-88)	John S. Lewis, MD*	(1970-71)
John M. Lore, Jr., MD*	(1986-87)	George A. Sisson, MD*	(1969-70)
Robert W. Cantrell, MD	(1985-86)	W. Franklin Keim, MD*	(1967-69)
Hugh F. Biller, MD	(1984-85)	John F. Daly, MD*	(1965-67)
Paul H. Ward, MD	(1983-84)	Joseph H. Ogura, MD*	(1963-65)
Jerome C. Goldstein, MD	(1982-83)	Paul H. Holinger, MD*	(1961-63)
Douglas B. Bryce, MD*	(1981-82)	John J. Conley, MD*	(1959-61)

The Society of Head and Neck Surgeons:

Ronald H. Spiro, MD	(1998)	Donald P. Shedd, MD	(1977)
John R. Saunders, Jr., MD	(1997)	Condict Moore, MD	(1976)
Robert M. Byers, MD	(1996)	Richard H. Jesse, MD*	(1975)
Michael B. Flynn, MD	(1995)	Alfred Ketcham, MD	(1974)
J. Edward M. Young, MD	(1994)	Robin Anderson, MD*	(1973)
Stephen Ariyan, MD	(1993)	Charles C. Harrold, MD*	(1972)
Oscar Guillamondegui, MD	(1992)	Harvey W. Baker, MD*	(1971)
Jatin P. Shah, MD	(1991)	Ralph R. Braund, MD*	(1970)
M.J. Jurkiewicz, MD	(1990)	William S. MacComb, MD*	(1969)
James T. Helsper, MD*	(1989)	Arthur G. James, MD*	(1968)
Robert D. Harwick, MD	(1988)	Oilver H. Beahrs, MD*	(1967)
William R. Nelson, MD*	(1987)	Edgar L. Frazell, MD*	(1966)
Frank C. Marchetta, MD*	(1986)	Harry W. Southwick, MD*	(1965)
Alando J. Ballantyne, MD*	(1985)	Calvin T. Kloop, MD*	(1964)
Darrell A. Jaques, MD	(1984)	H. Mason Morfit, MD*	(1962-63)
Alvin L. Watne, MD	(1983)	Arnold J. Kremen, MD	(1960-61)
John M. Moore, MD	(1982)	Danely P. Slaughter, MD*	(1959)
Elliot W. Strong, MD	(1981)	Grant Ward, MD *	(1958)
Robert G. Chambers, M.D.*	(1980)	Hayes Martin, MD*	(1954-1957)
John C. Gaisford, MD	(1979)		
William A. Maddox, MD	(1978)	*Deceased	

Certificate of Incorporation

Certificate of Incorporation of The American Head and Neck Society, Inc.

Under Section 803 of the Not-for-Profit Corporation Law

1. The name of the Corporation is THE AMERICAN HEAD AND NECK SOCIETY, INC.
2. This Corporation has not been formed for pecuniary profit or financial gain, and shall not be conducted or operated for profit, and no part of the assets, income or net earnings of the Corporation is distributable or shall inure to the benefit of the directors, officers, or other private persons, except to the extent permitted under the Not-for-Profit Corporation Law. Upon the dissolution of this Corporation, no director, officer, or other private person shall be entitled to any distribution or division of its remaining property or its proceeds, and the balance of all money and property of the Corporation shall pass to, or shall inure to the benefit of, those organizations described in Section 201 of the Not-for-Profit Corporation Law and Section 501(c)(3) of the Internal Revenue Code of 1986, which are not private foundations described in Section 509(a) of such Code. Any such assets not so disposed of shall be disposed of by the Supreme Court of the State of New York for the County in which the principal office of the Corporation is then located, as provided by law, exclusively for such purposes or to such organization or organizations as said Court shall determine, which are organized and operated for the purposes set forth in Paragraph "3" below.
3. The purposes for which the Corporation is formed and the powers which may be exercised by the Corporation, in addition to the general powers set forth in Section 202 of the Not-for-Profit Corporation Law of the State of New York, are:
   (a) to advance knowledge relevant to medical and surgical control of neoplasms of the head and neck;
   (b) to solicit, obtain, apply for, and spend funds in furtherance of any activities or purposes of the Corporation;
   (c) in general, to do any and all acts or things and to exercise any and all powers which may now or hereafter be lawful for the Corporation to do or exercise under and pursuant to the laws of the State of New York for the purpose of accomplishing any other purpose of the Corporation as set forth herein;
   (d) to engage in any and all lawful activities incidental to any of the foregoing purposes of the Corporation.
4. The Corporation is organized exclusively to achieve public objectives, including for such purposes, the making of distributions to organizations that qualify as exempt organizations described in Section 115 or Section 501(c)(3) of the Internal Revenue Code of 1986, provided that such organizations are not private foundations described in Section 509(a) of such Code. The Corporation shall not carry on any other activities not permitted to be carried out by a corporation exempt from federal income tax under Section 501(c)(3) of such Code or by a corporation contributions to which are deductible under Section 170(c)(2) of such Code (or the corresponding provisions of any future United States Internal Revenue Law.)

Certificate of Incorporation

5. Nothing contained herein shall authorize this corporation to undertake or to carry out any of the activities specified in paragraphs (b) through (u) of Section 404 of the Not-for-Profit Corporation Law, or to establish, maintain or operate a hospital or to provide hospital service or health-related service, a certified home health agency, a; hospice, a; health maintenance organization, or a comprehensive health services plan, as provided for by Article 28, 36, 40 and 44, respectively, of the Public Health Law or to solicit, collect or otherwise raise or obtain any funds, contributions or grants from any source, for the establishment, maintenance or operation of any hospital or to engage in the practice of medicine or any other profession required to be licensed by Title VIII of the Education Law.
6. No substantial part of the activities of this Corporation shall consist of carrying on propaganda or otherwise attempting to influence legislation, and the Corporation shall not participate in, or intervene in (including the publication or distribution of statements), any political campaign on behalf of any candidate for public office.
7. The Corporation is a corporation as defined in subparagraph (a)(5) of Section 102 of the Not-for-Profit Corporation Law, and it is a Type B Corporation.
8. The principal office of the Corporation is to be located in the City of Syracuse, County of Onondaga and State of New York.
9. The territory in which the Corporation's activities are principally to be located is the territorial limits of the United States of America, the Domain of Canada and the Pan-American countries.
10. The number and manner of election or appointment of the directors constituting the Board of Directors shall be as provided in the Bylaws, except that the number of said Board members shall not be less than three (3). Members of the Board of Directors need not be residents of the State of New York. The names and addresses of the Directors of the Corporation who shall act until the first meeting of the Board of Directors, all of whom are over the age of eighteen (18) and are citizens of the United States, are:

    Names Addresses

    [Names and Addresses omitted.]
11. Management of the business and affairs of the Corporation is vested in the Board of Directors which shall use its best efforts to carry out in good faith the purposes of the Corporation.
12. To further the Corporation's objectives and purposes, the Corporation shall have and may exercise all of the powers conferred by the New York Not-for-Profit Corporation Law in pursuit of the purposes expressed in Paragraph THREE hereof. Without limiting the generality of the foregoing, the Corporation shall have power to sue and be sued, to own, take title to, receive and hold, lease, sell and resell, in fee simple or otherwise, property real, personal or mixed wherever situated and however acquired, without limitation as to amount or value. The Corporation shall have authority to encumber property by deed of trust, pledge or otherwise; to borrow money and secure payment of same by lien or liens of the realty or personal property

of the Corporation; to lease, build, erect, remodel, repair, construct and/or reconstruct any and all buildings, houses or other structures necessary, proper or incident to its needs and proposes; and to do any and all things incident to the carrying out of the objectives and purposes as stated and as limited herein. The Corporation shall have full powers or management, investment and reinvestment and the collection of all rents, revenues, issues and profits arising therefrom.

13. The Corporation is to have members.

14. The Corporation is to be divided into such classes of members as the By-Laws provide. The designation of each class of members, the manner of election or appointment, and the qualification and rights of the members of each class (including conferring, limiting, or denying the right to vote) shall be set forth in the By-Laws.

15. The Secretary of State of the State of New York is hereby designated as the agent of the Corporation upon whom process may be served, and the post office address to which the Secretary of State shall mail a copy of any such process served upon him is as follows: c/o Richard R. Gacek, M.D., Professor and Chairman, Department of Otolaryngology, State University of New York Health Science Center, 750 East Adams Street, Syracuse, New York 13210.

Constitution

Article I

Section 1. The name of the Corporation shall be The American Head and Neck Society, Inc.

Article II

Section 1. The purpose of this Society is to promote and advance the knowledge of diagnosis, treatment and rehabilitation of patients with neoplasms and other diseases of the head and neck and the prevention of neoplasms and other diseases of the head and neck.

Section 2. It is the objective of this Society to promote and advance research in neoplasms and other diseases of the head and neck.

Section 3. It is the objective of this Society to promote the highest professional and ethical standards.

Article III

Section 1. Members of this Society shall be designated as Fellows, and shall consist of six classes

(a) Active
(b) Honorary
(c) Corresponding
(d) Senior
(e) Associate
(f) Candidate

Section 2. Active Fellows of this Society shall be those who maintain a license to practice medicine and who are actively engaged in diagnosis, treatment and rehabilitation of patients with neoplasms and other diseases of the head and neck and the prevention of neoplasms and other diseases of the head and neck.

Section 3. *Qualifications for Active Fellowship.* An applicant for Active Fellowship shall be a Diplomate of a particular specialty board, or have credentials that are equivalent to those issued by member boards of the American Board of Medical Specialties. Surgeons must be a member of the American College of Surgeons, a Fellow of the Royal College of Surgeons (Canada), or have similar credentials. A significant portion of practice shall be concerned with managing patients with neoplasms and other diseases of the head and neck. Further qualifications and requirements for Active Fellowship are contained in the By-Laws, Article VI, Sections 1 and 2.

Section 4. *Qualifications for Honorary Fellowship.* Honorary Fellowship shall be a distinction bestowed by the Society on an individual who has made outstanding contributions to the field of head and neck oncology.

Section 5. *Qualifications for Corresponding Fellowship.* Corresponding Fellowship shall be granted to those who, in the judgment of the Council, are actively engaged in the prevention, diagnosis, treatment and rehabilitation of patients with neoplasms and other diseases of the head and neck and who reside in a country other than the United States or Canada.

Section 6. *Qualifications for Senior Fellowship.* Any Active Fellow, upon cessation of active practice, may request by writing to the Secretary a change in status to Senior Fellowship.

Section 7. *Qualifications for Associate Fellowship.* A candidate for election to Associate Fellowship shall be a physician, dentist or allied scientist who has demonstrated a special interest in the field of head and neck oncology, but a significant portion of whose practice is concerned with managing patients with non-neoplastic diseases of the head and neck.

Section 8. *Qualifications for Candidate Member.* The trainee currently enrolled in, or a graduate of, an approved residency program in Otolaryngology, Plastic Surgery, or General Surgery or in a Fellowship Program approved by the Joint Training Council may become a Candidate Member. This nonvoting membership is subject to fees established by the Council. The membership shall expire if the candidate member has not made application for Active Fellowship in The American Head and Neck Society, Inc. five years after the completion of training.

Section 9. *Privileges of Members.* All members shall have the same rights and privileges except that only Active Fellows in good standing shall have the privileges of voting in the conduct of the affairs and business of the Society or of holding office or of chairing Standing Committees.

Article IV

Meetings

Section 1. The annual meeting of this Society shall be held at such time and place as may be fixed by the Council at its annual meeting.

Section 2. The annual meeting shall consist of at least one scientific session and one business session.

Constitution

Section 3. The scientific session shall be open to all Fellows of the Society and members of the medical profession. Attendance at any business session is limited to Fellows of the Society.

Section 4. Only Active Fellows in good standing shall have the privilege of a vote in conduct of the affairs and business of the Society.

Article V

Officers

Section 1. The officers of this Society shall be President, President-Elect, Vice-President, Secretary, and Treasurer.

Article VI

Board of Directors

Section 1. The governing body of this Society shall be the Council, consisting of the President, President-Elect, Vice-President, Secretary, Treasurer, and Past Presidents (for a period of three years following the termination of term of office). In addition, there shall be nine Fellows-at-Large, three of whom shall be elected each year to serve terms of three years each. At no time shall the Council exceed eighteen in number. The manner of election of officers and members of the Council is stated in the By-Laws, Article VII, Sections 1 and 2.

Article VII

Amendments to the Constitution or Bylaws

Section 1. A proposed amendment to the Constitution or By-Laws must be submitted to the Secretary in writing not less than two months before a meeting of the Council, and must be signed by at least two Active Fellows. The Secretary shall forward the proposed amendment to the Constitution and Bylaws Committee for review and comment. The Constitution and Bylaws Committee will make a periodic review of the Constitution and Bylaws and recommend modification which may be submitted as amendments. Any proposed amendment must first be acted upon by the council. The Secretary shall mail a copy of any proposed amendment to each Active Fellow not less than one month prior to the annual meeting of the Society. Two-thirds vote of the Active membership present at the meeting shall be required for acceptance.

Bylaws

Article I

Rights and Duties of Members

Section 1. Any Active Fellow shall have all the rights of Fellowship, shall be subject to all the duties, roles and responsibilities incumbent upon the members of any scientific parliamentary body.

Article II

Section 1. *Delinquints.* Unless excused by the Council, a Fellow delinquent in dues for two consecutive years shall be dropped from Fellowship. Delinquency in dues is defined as failure to pay by the end of the calendar year.

Bylaws

Article III

Dues

Section 1. The amount of the Society's dues shall be determined by the Council. The Council shall have the authority to establish an initiation fee or special assessment.

Article IV

Order of Business

Section 1. The regular order of business at annual meetings shall be carried out in a manner prescribed by the Council.

Article V

Special Provisions

Section 1. All conditions, circumstances, emergencies or contingencies not covered by this Constitution and its Bylaws shall be dealt with and administered by the directive of the Society's Council, subject to approval by the membership at the next annual meeting.

Article VI

Qualifications for Fellowship

Section 1. Candidates desiring election to Fellowship in any class other than Associate Fellow must hold a valid, unrestricted license to practice medicine in the state or country in which they reside and shall be proposed by two Active Fellows with at least one from the applicant's local geographical area. A special form will be provided by the Secretary for this purpose. Both of the sponsors must submit letters of recommendation pertaining to the qualifications of the candidate.

Section 2. *Special Qualifications for Active Membership.*

A. In addition to fulfilling the requirements under the Constitution, Article III, Section 3, surgeon candidates must submit evidence that they have the skill and capacity to diagnose and treat neoplasms and other diseases of the head and neck.

B. An applicant for Active Fellowship shall provide documentation that he or she has received adequate training in the management of patients with head and neck tumors and that a significant portion of current professional activity is devoted to the care of such patients. Such documentation will include a description of experience during residency and/or fellowship training, a summary of subsequent post training experience, and a listing of at least 35 patients with head and neck tumors managed during preceding year. Additional evidence of academic activity such as one paper published on cancer of the head and neck is required.

C. Active Fellows must be members of the American College of Surgeons or its equivalent.

D. Active Fellows are expected to uphold ethical standards.

Section 3. *Special Qualifications for Corresponding Fellowship.*

A. Corresponding Fellows shall be physicians who, by their professional associations and publications, would appear in the judgment of the Council to be qualified to treat neoplasia and diseases of the head

and neck. All proposals for candidates for Corresponding Fellowship shall be accompanied by a curriculum vitae of the candidate, a letter of recommendation from at least two Active Fellows. The delinquent clause relative to failure to attend meetings will not pertain to this class of membership.

Section 4. *Election to Fellowship*

A. All proposals for candidates for any class of Fellowship shall be sent to the Council through the Secretary. Subsequent to approval by the Council, nominees' names must be circulated to the membership at least 120 days before the annual meeting. Fellows shall be given an opportunity to make written objections at least 60 days in advance of the annual meeting. Objections will be investigated by the Credentials Committee and presented to the Council for a vote. The Council will use the AMA Code of Ethics as a guide in this matter.
B. Election to any class of membership shall require three-fourths favorable vote of the Council.
C. A candidate for Active Fellowship must be present at the annual meeting to be inducted.

ARTICLE VII

Officers of the Society

Section 1. *Election of Officers.* The officers of the Society shall be a President, President-Elect, Vice-President, Secretary, and Treasurer, who shall be elected at regular annual business meetings of the Society.

Section 2. *Accession to Office.* The newly elected officers shall assume their duties before the adjournment of the meeting at which they have been elected.

Section 3. *Tenure of Office.*

A. The President and President-Elect, and Vice-President shall serve for a term of one year. The Secretary and the Treasurer shall serve for a term of three years and may be elected to one additional term.
B. An outgoing President (Past President) automatically becomes a member of the Council to serve for a period of three years. A past-president's membership on the Council which shall be terminated by death or other incapacity to serve shall remain vacant until filled by regular succession.

Section 4. *Vacancies in Office.* Vacancies in office occurring between elections shall be filled by appointment by the President. These appointments shall be subject to written approval of a majority of the Council. Should the office of the President become vacant between elections, it shall automatically be filled by the President-Elect. Should the offices of both President and President-Elect become vacant, these offices will be served by the Secretary.

Article VIII

Duties of the Officers

Section 1. *Duties of the President.*

A. The President shall preside at meetings of the Society and shall have the power to preserve order and to regulate the proceedings according to recognized rules.
B. The President shall serve as Chairman of the Council.

C. The President shall appoint standing and special committees, except the Nominating Committee. See Article X, Section 2.
D. The President shall fill vacancies in offices that occur in the interim between regular meetings subject to approval by a Council majority.
E. The President shall be an ex-officio member of all standing committees.

Section 2. *Duties of the Vice President.*

A. The Vice-President shall serve and assist the President and President-Elect.
B. The Vice-President shall oversee the work of the committees and shall direct, plan and implement the long range and strategic planning retreat of the Council listed in Article IX section 2E.

Section 3. *Duties of the President-Elect.*

A. The President- Elect shall perform all duties that may be delegated to him or her by the President.
B. In the absence of the President, the President-Elect shall perform all duties of the President and shall preside at all meetings.

Section 4. *Duties of the Secretary.*

A. The Secretary shall keep or cause to be kept in permanent form an accurate record of all transactions of the Society.
B. The Secretary shall send due notice of all meetings to members; notice of at least 15 days shall be provided prior to Council meetings.
C. The Secretary shall notify all committee members of their appointments and the duties assigned to them.
D. The Secretary shall notify all applicants for membership of the action taken by the Society.
E. The Secretary shall keep a correct alphabetical list of members, together with their current addresses and shall supply application forms to members who apply for same.
F. The Secretary shall act as custodian of all papers of the Society and its committees.

Section 5. *Duties of the Treasurer.*

A. The Treasurer shall collect, receive and be accountable for funds accrued by the Society from dues or other sources.
B. The Treasurer shall deposit all moneys in a special bank account under the official name of the Society, in a city of his choice.
C. The Treasurer shall disburse from the treasury such funds as may be necessary to meet appropriations and expenses of the Society.
D. The Treasurer's financial records shall be audited at each regular annual meeting by a specially appointed auditing committee, who will report at the business session.
E. The Treasurer shall prepare and submit an annual budget for the following year to the Finance committee for subsequent approval of the Council at the fall meeting.

ARTICLE IX

The Council

Section 1. Composition of the Council. The Council shall consist of the officers, the three immediate Past Presidents, and nine Fellows at Large, three of whom shall be elected annually to serve staggered three-year

terms. A Fellow at Large elected to the Council may not succeed himself or herself.

Section 2. *Duties of the Council.*

A. The Council shall conduct the affairs of the Society during the interim between sessions.
B. The Council shall pass on all applicants for Fellowship and present its recommendations to the Society at one of its business sessions so that necessary action may be taken.
C. The Council shall report to the members at regular business sessions all decisions and recommendations made so as to obtain approval of the whole membership of its actions.
D. Should the membership disapprove of any action of the Council the questions shall be referred back for further consideration and reported at the next business meeting.
E. The Council shall have a long range and strategic planning retreat at least every three years.

Section 3. *Quorum and Manner of Acting.*

A. A majority of officers and Council members shall constitute a quorum. A majority of the quorum at any meeting of the Council shall constitute action by the Council unless otherwise provided by law or by these By-Laws.
B. Any action required or permitted to be taken at a meeting of the Council may be taken without a meeting if a consent in writing setting forth the action to be taken shall be signed by all Council members entitled to vote.
C. Meetings may be conducted by telephone provided that all officers and Council members participating in such a meeting may communicate with each other. A majority of officers and Council members shall constitute a quorum for telephone meetings and the act of a majority of the quorum shall constitute action by the Council.
D. Officers and Council members shall not receive compensation for their services, but, by action of the Council, expenses may be allowed for attendance at meetings of the Council or for official representation of the Society and the Council may underwrite any activities that it deems essential to the functioning of the Society.

ARTICLE X

Committees and Representatives

Section 1. Other than as specifically stated below, The President shall appoint committee members to serve for three years. Initial appointments shall be staggered such that approximately one-third of committee members shall change each year (other than the Scientific Program Committee and Nominating Committee).

Section 2. *Scientific Program Committee.* This committee shall be appointed by the President to serve for one year and shall consist of at least three Active Fellows. It shall be the duty of this committee to establish a scientific program at the Annual Meeting.

Section 3. *Nominating Committee.* The Nominating Committee shall consist of the three immediate past presidents and two Active Fellows elected at the business meeting. The Nominating Committee shall be

chaired by the immediate past President. This committee shall prepare a slate of officers, three members-at-large of the Council, two Nominating Committee members, one Subspecialty Advisory Council (SSAC) representative (when necessary) and one Finance Committee member for vote at the next annual meeting (See Article VII, section 2).

Section 4. *Credentials Committee.* This committee shall be chaired by the President and shall additionally consist of the two immediate Past Presidents plus two Active Fellows appointed by the President. In addition, the Secretary shall be a member, ex officio. The Credentials Committee shall advise the Council on the credentials of candidates for membership.

Section 5. *Education Committee.* This committee shall consist of at least three Active Fellows. It shall be the duty of this committee to develop appropriate educational activities for the Society.

Section 6. *Research Committee.* This committee shall consist of at least six Active Fellows. It shall be the duty of this committee to: increase the quality and quantity of research conducted in head and neck oncology; encourage the design and implementation of new research protocols; review applications for research funds; and suggest possible new methods of research funding.

Section 7. *Council for Advanced Training in Oncologic Head and Neck Surgery.* This committee shall consist of ten Active Fellows, each to serve a five-year term, with appointments staggered so that two Active Fellows are appointed to membership on this committee each year. The committee shall be chaired by a member chosen from its ranks, by a majority vote, and the chair's term shall be two years with the possibility of a second term. The President's appointments to this committee shall be submitted for approval by the Council. It shall be the duty of this committee to evaluate training programs as to whether they qualify for Phase III training and to make recommendations to this Society concerning what constitutes adequate training in head and neck oncologic surgery.

Section 8. *Constitution and By-Laws Committee.* This committee shall consist of at least five Active Fellows, with the Secretary serving ex-officio. It shall be the duty of this committee to completely evaluate the Constitution and By-Laws every three years to maintain their relevance.

Section 9. *Finance Committee.* This committee shall consist of three Active Fellows elected at the business meeting to serve three year terms so that one member is elected each year. The Treasurer shall be an ex officio member. It shall be the duty of this committee to audit the financial records of the Society and review investments and to report at the annual business meeting. This committee shall review the financial reports of the Treasurer prior to the presentation to the Council.

Section 10. *CME Compliance Committee.* This committee should consist of at least three Active Fellows. It shall be the duty of this committee to monitor and ensure compliance with the CME requirements of the Accreditation Council for Continuing Medical Education; to review and improve the quality of the educational programs of the Society; and to review annually, prior to the annual meeting, any potential financial conflict of interest of members of the Program Committee, Program Chairs, faculty, and presenters.

Section 11. *Quality of Care Committee.* This committee should consist of at least three Active Fellows. It shall be the duty of this committee to formulate quality of care standards for patients with head and neck neoplasms; to promote compliance with these standards as a framework for the measurement of quality head and neck care; to disseminate these standards to the membership of the Society; and to provide AHNS representation to the applicable committees of other head and neck medical societies that are charged with the development of specialty specific quality standards upon which pay-for-performance benchmarks may be based.

Section 12. *Publications Committee.* This committee should consist of at least three Active Fellows appointed by the President. This committee shall be chaired by the Associate Editor for the Head and Neck Section of the Archives of Otolaryngology-Head and Neck Surgery. In addition, the Archives of Otolaryngology-Head and Neck Surgery Editor, if a member of the Society, shall be a member of this committee, ex-officio. The Secretary and President will be members of this committee. It shall be the duty of this committee to assure manuscript submission to the official journal of the Society, the Archives of Otolaryngology-Head and Neck Surgery, prior to presentation at the annual meeting; to assure rapid peer review of submitted manuscripts; and to facilitate the timely publication of the proceedings of the annual meeting in a dedicated issue of the official journal of the Society.

Section 13. *Prevention and Early Detection Committee.* This committee shall consist of at least six Active Fellows. It shall be the duty of this committee to: develop, facilitate the implementation, and participate in programs directed toward the prevention and early detection of oral and head and neck cancers and to cooperate with national and international organizations in these efforts.

Section 14. *Endocrine Surgery Committee.* This committee should consist of at least three Active Fellows. It shall be the duty of this committee to increase research and education related to head and neck endocrine disorders, to encourage endocrine-related contributions to the annual meeting, and to foster interaction between the Society and other societies and organizations with interests in endocrine disorders.

Section 15. *Website Committee.* This committee shall consist of at least three Active Fellows. It shall be the duty of this committee to recommend and implement newer methods to optimize communication or dissemination of information within the organization. The committee shall develop and showcase new and emerging technologies and shall also be responsible for updating and revising the AHNS web site and making sure it is kept with the most current and accurate information.

Section 16. *Awards Committee.* This committee shall consist of at least six active fellows, including the Chair. Committee members are appointed by the President of the AHNS. It shall be the duty of this committee to evaluate manuscripts submitted for awards to be given at the annual meeting of the AHNS. An author may submit only one manuscript per award category. Fellows are not eligible for resident awards. Manuscripts will be redacted of all author and institutional identifying information by the chair prior to being send to committee members for scoring. Manuscripts should be scored by at least five

committee members. Manuscripts will not be scored by a committee member if he/she is an author on the paper. The Chair may request a scoring by another qualified AHNS fellow; if not enough committee members are available to score a manuscript. Deadlines for submission of manuscripts will be determined annually and announced during the call for abstracts. Authors of abstracts accepted for oral presentation will be invited to submit a manuscript for an award. The Chair will work with the Program Committee to ensure that award-winning papers are given podium time for oral presentations.

Section 17. *History Committee.* This committee shall consist of at least three Active Fellows. It shall be the duty of this committee to preserve the history of the society by conducting interviews of past leaders, researching and organizing past records and promoting historical information on the web site and through other mediums.

Section 18. *Humanitarian Committee.* This committee shall consist of at least three active Fellows. It shall be the duty of this committee to encourage and support volunteer efforts of AHNS members to assist in the care of underserved populations and to develop information, communication, and organizational resources regarding humanitarian outreach activities.

Section 19. *Ethics and Professionalism Committee.* This committee shall consist of six Active Fellows appointed by the President. Members shall serve for three years. The Committee shall be chaired by one member chosen by the President for a three year term. This committee shall meet on an ad hoc basis at the request of the President to deliberate and offer advice on specific ethical issues that involve the Society or its members. The committee will also maintain and modify as needed, the ethics code of the American Head and Neck Society.

Section 20. *Ad hoc Committee(s).* As necessary, the President may appoint one or more Ad Hoc committees to serve for one year.

Section 21. *Standing Committees.* Other standing Committees shall be constituted as described in the Policies and Procedures.

Section 22. *Subspecialty Advisory Council (SSAC) Representative.* This representative shall be nominated by the Nominating Committee, and elected at regular annual business meetings of the Society. The representative shall have a three year term, with the potential for reappointment for a second term. The person should be someone who has served on Council or the Executive Committee, and is intimately involved with the Society's' activities.

ARTICLE XI

Quorum

Section 1. A quorum for any meeting of the Council shall be a majority of those persons then serving as members of the Council.

Section 2. A quorum for the regular business session of the society shall be 18 Active Fellows.

ARTICLE XII

Society Assets

Section 1. The interest in the funds property and other assets of the Society of any member whose membership shall terminate for

any reason except the dissolution of the Society shall, ipso facto, immediately cease and such members and the representatives of such member shall have no claim against the Society or against the other members of their representatives or any of them.

Section 2. In the case of dissolution of the Society, the funds, property, and other assets shall be used for the purpose of furthering the expressed purposes for which this Society was formed and no member shall be entitled to receive any of the assets upon liquidation.

Section 3. If the Society's annual receipts exceed the annual expenses in any given year, the Council may, by a majority vote, elect to distribute the surplus for such scientific or educational uses as the Council shall deem to be most consistent with the Society's purposes; or it may, should it reasonably anticipate a need for operating surplus to meet future expenses, accumulate such surplus in an interest bearing account or otherwise.

Section 4. On an annual basis, when the Society accrues money surpassing the agreed upon amount of reserves needed in the accounts ($200,000 in checking and $1,000,000 in savings), the Society will transfer x % of the surplus to the corpus of the Foundation. The Council of the Society will determine the percentage of transfer annually by voting at the Council Meeting during the AHNS Annual Meeting.

ARTICLE XIII

Indemnification

Section 1. The Society shall indemnify any and all of the directors or officers former directors or officers, employees, agents, or any person who may have served at its request or by its election as a director or officer of another society or association, or his heirs, executors and administrators, against expenses (including attorney fees, judgments, fines and amounts paid in settlement) actually and necessarily incurred by them in connection with the defense or settlement of any action, suit or proceeding in which they, or any of them, are made parties or a party, by reason of being or having been directors or a director, officer, employee or agent of the Society or of such other Society or association, except in relation to matters as to which any such action, suit or proceeding to be liable for willful misconduct in the performance of duty and to such matters as shall be settled by agreement predicated on the existence of such liability. The termination of any action, suit, or proceeding by judgment, order, settlement, conviction, or upon a plea of nolo contendere or its equivalent shall not, of itself, create a presumption that the person is engaged in willful misconduct or in conduct in any way opposed to the best interests of the Society. The provisions of this section are severable, and therefore, if any of its provisions shall contravene or be invalidated under the laws of a particular state, country or jurisdiction, such contravention or invalidity shall not invalidate the entire section, but it shall be construed as if not containing the particular provision or provisions held to be invalid in the particular state, country, or jurisdiction and the remaining provisions shall be construed and enforced accordingly. The foregoing right of indemnification shall be in addition to and not exclusive of other rights to which such director, officer, employee or agent may be entitled.

Bylaws

ARTICLE XIV

Merger Provisions

To facilitate the merger of the Society with The Society of Head and Neck Surgeons, an Illinois nonprofit corporation ("SHNS"), pursuant to an agreement calling for the SHNS to be dissolved and its assets transferred to the Society and the Society recast as The American Head and Neck Society, Inc. ("AHNS") to serve as a successor of both entities, notwithstanding any other provision of the Constitution or these By-Laws to the contrary:

1. The Council shall be expanded as necessary to include the officers and directors of the SHNS, who shall serve on the Council with their voting status as provided by the SHNS bylaws until their term of office within the SHNS shall expire. The Council shall return to its size and with its composition provided in Article IX hereof through the passage of time.
2. The President-Elect of the SHNS shall become as President-Elect of the AHNS following the completion of his term as President-Elect of the SHNS. The President-Elect of the Society shall become President of the AHNS to serve a term of six months (i.e., from May 15, 1998 through November 14, 1998), whereupon the said President-Elect of the SHNS shall serve as President of the AHNS to serve a term of six months (i.e., from November 15, 1998 through the membership meeting in May of 1999 or until his successor shall assume office). During the combined one-year term of office, the two said individuals shall regularly consult and cooperate with each other on all meaningful and significant decisions to be made during the year so that it may appear that they are serving as co-presidents for the full year, provided, however, that the AHNS shall have only one President in office at one time. At the conclusion of this one-year term, the President-Elect next in line shall succeed to the Presidency.
3. The members of the SHNS shall be admitted to the Society recast as the AHNS in the membership category that correspond to that which they hold in the SHNS. More specifically, Active Members of the SHNS shall become Active Fellows of the AHNS; Senior Member of the SHNS shall become Senior Fellows of the AHNS. Consulting Members of the SHNS shall become Associate Fellows of the AHNS. International Corresponding Members of the SHNS shall become Corresponding Members of the AHNS. Honorary Members of the SHNS shall become Honorary Fellows of the AHNS. Candidate Members of the SHNS shall become Candidate Members of the AHNS.
4. The Council shall act to preserve the unique heritage and history of the SHNS and the ASHNS.

AHNS 2012 New Members

Active

Rodrigo Bayon
Robert Brown III
Stanley Chia
Marc Cohen
Peter Costantino
Patrick Ha
Gregory Hartig
Jason Hunt
Emad Kandil
Amy Anne Donatelli Lassig
Carol Lewis
Joshua Lubek
Matthew Miller
Christopher Oliver
Nitin Pagedar
Sameer Patel
Kavita Pattani
Daniel Price
Jeremy Richmon
Manish Shah
Andrew Sikora
Andrew Tassler
Minh Tam Truong
Douglas Van Daele
Yitzchak Weinstock
Chad Zender

Associate

Patricia DeVilliers
Paul Kim
Nagashree Seetharamu

Corresponding

Bostjan Lanisnik
Manuel Manos-Pujol
Amit Shankar
Andres Alvarez Tamayo
Stijin Van Weert

Candidate

Steven Chinn
Jonathan George
Babak Givi
Vishal Gupta
Jeffrey Janus
Jason Kass
Dominic Lai
Matthias Lechner
Chwee Ming Lim
Robert Lindau
Michael Markiewicz
Iain Nixon
Ozan Ozgursoy
Aru Panwar
Rahmatullah Rahmati
Matthew Spector
Michael Stadler
Shirley Su

AHNS Research and Education Foundation

What is the Research and Education Foundation?

As a member of the American Head and Neck Society (AHNS) you are most likely already aware of the unique importance of this society. The AHNS is the single largest organization in North America for the advancement of research and education in head and neck oncology. Founded in 1998 as a merger between two smaller societies, the AHNS offers a community for professionals working with head and neck cancer. **The Research and Education Foundation of the American Head and Neck Society was developed as a means to promote the ideals and mission of the society.**

What does the Research and Education Foundation do?

The Foundation wants to support head and neck cancer research especially for young investigators who will make the discoveries needed to improve survival, decrease treatment morbidity and preserve speech and swallowing function. Young investigators often have difficulty competing for limited funds. **The Foundation wants to provide opportunities for basic, translational and clinical research grants in head and neck cancer and education.**

How can I be involved?

In order to provide these grants, the Foundation relies solely on the generosity of AHNS members, physicians and other individuals, and grateful patients. **Your support is invaluable.** The Foundation's newest effort has been the creation of the Centurion Club, a distinguished group of Foundation supporters who donate $1,000 or more annually. Newer members of the AHNS, those in their first through fifth year of membership, may join at a reduced rate of $500 annually. We strongly encourage that if you are able to give at this level, please do so and enjoy the benefits Centurion Club membership has to offer (check out our Club lounge here at the conference!). However, all level of gifts will help.

Please come by the Centurion Club Lounge in Room 710 to learn more about the Foundation. We would love to speak with you!

To make a donation online, please visit www.ahnsfoundation.info.

Thank you to our current 2012 Centurion Club Members

Elliot Abemayor	Ralph Gilbert	Ellie Maghami	Kerstin Stenson
R. Bryan Bell	Douglas Girod	Eugene Myers	David Terris
Carol Bradford	David Goldenberg	Cherie-Ann Nathan	Marilene Wang
Joseph Califano	Patrick Gullane	Brian Nussenbaum	Mark Wax
Chin-Yen Chien	Keith Heller	John O'Brien	Randal Weber
Daniel Deschler	Jonas Johnson	Lester Peters	William Wei
David Eisele	Dennis Kraus	John Ridge	Mark Weissler
Ramon Esclamado	Gregory Krempl	James Rocco	Ernest Weymuller
Robert Ferris	Pierre Lavertu	John Saunders	Gregory Wolf
Gerry Funk	John H. Lee	Jatin Shah	Bevan Yeuh

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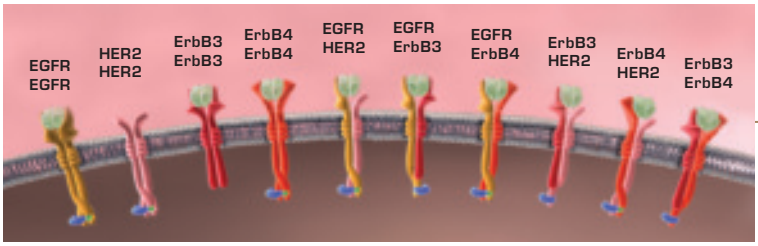
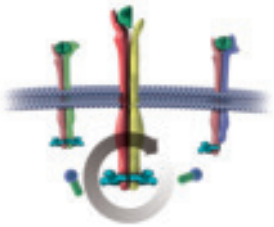
INVESTIGATING THE ERBB FAMILY

- Dysregulation and over-expression of ErbB Family members, including EGFR (ErbB1), HER2 (ErbB2) and ErbB4, has been associated with the pathogenesis of cancer[1,2]
- Upon ligand binding, these molecules homodimerize or heterodimerize in several possible pairing combinations and initiate intracellular signaling cascades[1,2]
- Stimulation of the ErbB Family receptors leads to an increase in proliferation and reduced apoptosis, which may result in an increase in angiogenesis and metastasis[1]



- Targeted therapeutic inhibition of one or two ErbB Family receptors has demonstrated success in certain cancers, but is ultimately susceptible to resistance due to signal bypass through other ErbB Family receptors.[2] This area of resistance is a current focus of research at Boehringer Ingelheim.



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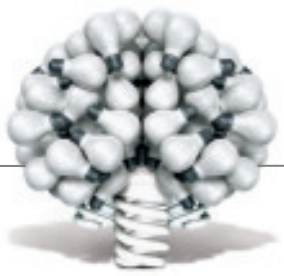

EGFR=epidermal growth factor receptor; HER= human epidermal growth factor receptor

References: 1. Hynes NE, Lane HA. *Nat Rev Cancer.* 2005;5(5): 41–354. 2. Wieduwilt MJ, Moasser MM. *Cell Mol Lif Sci.* 2008;65(10):1566–1584.

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