AHNS 10TH INTERNATIONAL CONFERENCE ON HEAD & NECK CANCER

“Survivorship through Quality & Innovation”

JULY 22-25, 2021 • VIRTUAL CONFERENCE

AHNS PRESIDENT: Cherie-Ann Nathan, MD, FACS
CONFERENCE/DEVELOPMENT CHAIR: Robert Ferris, MD, PhD
PROGRAM CHAIR: Eben Rosenthal, MD
PROFFERED PAPERS CHAIR: Ellie Maghami, MD
POSTER CHAIR: Maie St. John, MD

WELCOME LETTER

Dear Colleagues,

The American Head and Neck Society (AHNS) is pleased to invite you to the virtual AHNS 10th International Conference on Head and Neck Cancer, which will be held July 22-25, 2021.

The theme is Survivorship through Quality & Innovation and the scientific program has been thoughtfully designed to bring together all disciplines related to the treatment of head and neck cancer. Our assembled group of renowned head and neck surgeons, radiologists and oncologists have identified key areas of interest and major topics for us to explore. The entire conference will be presented LIVE online July 22-25, 2021. We encourage you to attend the live sessions in order to engage with the faculty and your colleagues.

After the live meeting, all of the meeting content will be posted on the conference site and remain open for on-demand viewing through October 1, 2021. Attendees may earn up to 42.25 AMA PRA Category 1 Credit(s)TM as well as earn required annual part II self-assessment credit in the American Board of Otolaryngology – Head and Neck Surgery’s Continuing Certification program (formerly known as MOC).

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

- Assess and apply therapeutic options for the head and neck, salivary gland, and thyroid cancer patient in a multidisciplinary environment
- Assess emerging research that lead to better understanding of the pathogenesis of head and neck cancer and its treatment
- Assess and apply the process, outcomes, and quality of delivering care to head and neck cancer patients
- Recognize the vital role of nurses, speech language pathologists, audiologists, nutritionists, social workers, pain specialists, mental health practitioners, physical therapists, dental oncologists in achieving maximal functional outcomes and increase interdisciplinary cooperation

Robert Ferris, MD, PhD
AHNS 2021 Conference Chair

Eben Rosenthal, MD
AHNS 2021 Program Chair

Cherie-Ann Nathan, MD, FACS
AHNS President

GENERAL INFORMATION

AHNS Accreditation Statement

The American Head & Neck Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American Head & Neck Society designates this other [online live and online enduring] activity for a maximum of 42.25 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn their required annual part II self-assessment credit in the American Board of Otolaryngology – Head and Neck Surgery’s Continuing Certification program (formerly known as MOC). It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of recognizing participation.
GENERAL INFORMATION

Who Should Attend?

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<thead>
<tr>
<th>Head and Neck Surgeons</th>
<th>Pathologists</th>
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<td>Otolaryngologists</td>
<td>Residents and Fellows</td>
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<td>Plastic Surgeons</td>
<td>Clinical Investigators</td>
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<td>Surgical and Medical Oncologists</td>
<td>Molecular and Cellular Biologists</td>
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<td>Dentists &amp; Oral Surgeons</td>
<td>Advance Practice Providers</td>
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<td>Radiation Oncologists</td>
<td>Speech and Language Pathologists</td>
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<td>Radiologists</td>
<td>Allied Health Professionals</td>
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Learning Objectives

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

A. Assess and apply therapeutic options for the head and neck, salivary gland, and thyroid cancer patient in a multidisciplinary environment, including:
   • Induction chemotherapy and concurrent chemoradiotherapy, and how these treatments impact oncologic and functional outcomes of patient with advanced head and neck cancer.
   • Novel radiation delivery, and the benefits and shortcomings of methods such as Intensity Modulated Radiotherapy (IMRT) with comparison to proton therapy.
   • Emerging molecular-targeted agents, and their efficacy and role in the treatment of head and neck cancer, including thyroid cancer.
   • Surgical treatments, including the impact of breakthroughs in technology leading to robotic surgery, endoscopic approaches to the neck and thyroid gland, image-guided treatment of skull base neoplasms, sentinel node mapping.
   • Advances in radiology and imaging will be reviewed: Describe approaches to reduce sampling error in during surgery or pathological assessment of the tumor specimen of pre-operative and post-operative optical imaging technologies.
   • Review of new reconstructive approaches and compare with conventional strategies to compare outcomes and cost, and new powered instrumentation and hemostatic devices.

B. Assess emerging research that lead to better understanding of the pathogenesis of head and neck cancer and its treatment, including:
   • New breakthroughs for disease detection, pre-treatment staging, and assessment of treatment response.
   • High throughput laboratory approaches to analyze tumors and biofluids including whole genome sequencing, cDNA microrrays, array CGH, SNP arrays and integrative genomic.
   • The significance of human papilloma virus elements and or antibodies in tumors and biofluids.
   • Pre-clinical evaluation of novel therapeutics.
   • Early detection of oral pre-malignancy and cancer and chemopreventive approaches.
   • Newly discovered biomarkers and their utility in treatment selection.
   • In addition, attendees with research careers may also be able to find new collaborators, develop new research protocols (including clinical trials), and participate in and improve existing protocols and trials.

C. Assess and apply the process, outcomes, and quality of delivering care to head and neck cancer patients, including:
   • The value of treatment guidelines including the NCCN treatment guidelines in improving patient care.
   • How to measure patient-reported outcomes and maximize their utility.
   • How to establish a surgical quality and performance monitoring program.
   • How cost-effectiveness is important to consider in considering novel treatments.
   • The Physician Quality Reporting Initiative (PQRI) in head and neck cancer care.
   • Incorporating quality into trainee/medical student education.
   • The burden of caring for H&N cancer in the developing and international community.

D. Recognize the vital role of nurses, speech language pathologists, audiologists, nutritionists, social workers, pain specialists, mental health practitioners, physical therapists, dental oncologists in achieving maximal functional outcomes and increase interdisciplinary cooperation.
   • Use of ancillary services to improve physical and emotional well-being.
   • Use of NP led survivorship clinics that allow more time for patient counseling.
   • Genetic counselors to provide help with patients suffering from germ line mutations.
   • Incorporating quality into trainee/medical student education.
GUESTS OF HONOR

Conference Chair Guest of Honor

EUGENE MYERS, MD

Dr. Eugene N. Myers comes from a long line of physicians including his Grandfather, his Father and three Uncles. His Father, David, was the Chairman of the Department of Otorhinology in the Temple University School of Medicine.

Dr. Myers received a B.S in Economics from the Wharton School of the University of Pennsylvania and his M.D. from Temple University School of Medicine. He interned at Mt. Sinai School of Medicine in New York City followed by a residency in Otolaryngology at the Massachusetts Eye and Ear Infirmary in Boston. This was followed by military service as a Captain in the U.S. Army stationed in the 97th General Hospital in Frankfurt, Germany. He then served as a Special Fellow in Head and Neck Surgery with Dr. John Conley in New York City.

Dr. Myers was appointed Chairman of the Department of Otolaryngology in the University of Pittsburgh School of Medicine in 1972 and under his leadership transformed it into a world renowned Department. He estimates that he did 9,000 operations during the 33 years as Chairman. He has made many contributions including the development and implementation of the treatment method to properly manage patients who have extracapsular spread of cancer in their cervical lymph nodes.

Dr. Myers academic achievements include the publication of more than 300 peer reviewed articles, 20 textbooks, including the popular Cancer of the Head and Neck and Operative Otolaryngology-Head and Neck Surgery, 150 book chapters, more than 750 lectures, panels and round tables, including 48 eponymous lectures.

Dr. Myers is Past President of the American Board of Otolaryngology, the American Academy of Otolaryngology-Head and Neck Surgery, the American Society of Head and Neck Surgeons, the American Laryngological Association, and the Pan American Association of Otolaryngology-Head and Neck Surgery. He was the founder of the International Department of the American Academy of Otolaryngology-Head and Neck Surgery and organized a world wide network of National Societies which includes our Academy. He is an Honorary Member of more than 20 National Societies including the Caribbean Association of Otolaryngology. He has been an enthusiastic supporter of CAO since 1996.

Dr. Myers remains deeply involved in International affairs including membership in the International Steering Committee of our Academy. He is also President of the Board of Directors of Pittsburgh Festival Opera and a member of the Board of Directors of the Eye and Ear Foundation and SPOHNC (Support for Persons with Oral and Head and Neck Cancer).

Dr. Myers and his wife Barbara have been married for 65 years. They have a daughter Marjorie who is an Executive Recruiter and a son Jeffrey who is the Alando Ballantyne Professor and Chairman of the Department of Head and Neck Surgery in the MD Anderson Center and 5 overachieving Grandsons all of whom he loves very much.

Presidential Guest of Honor

K. THOMAS ROBBINS, MD

Dr. K. Thomas Robbins, born in Newfoundland, Canada, attended medical school at Dalhousie University. He completed an otolaryngology residency at the University of Toronto, and a fellowship at the Institute of Laryngology and Otology in London, England. Tom began his academic career at the University Texas Houston, followed by positions at M.D. Anderson Cancer Center, and the University of California at San Diego. He served as Chairman of Otolaryngology at the University of Tennessee, the University of Florida, and Southern Illinois University (SIU) before assuming the role of Executive Director of Simmons Cancer Institute at SIU and being awarded the SIU Simmons Endowed Chair of Excellence in Oncology.

Dr Robbins initiated a national societal effort to define and classify the nomenclature for neck dissections that is now an international standard. His NCI funded research on intra-arterial chemotherapy developed novel applications of chemoradiation for advanced head and neck cancer. His research on neck dissection supports active observation and less aggressive neck surgery for managing post-chemoradiation nodal disease.

Dr Robbins contributed to the merger of two competing societies into the American Head and Neck Society and served as its inaugural co-president. He served on the Board of Governors of the American College of Surgeons and chaired its Advisory Council for Otolaryngology Head and Neck Surgery. He also chaired the AAO/HNS Committee for Head and Neck Surgery and Oncology. Tom has authored 275 scientific publications and edited 5 books including Cum-ming’s
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Otolaryngology Head and Neck Surgery. He has served on 4 editorial boards and was assistant editor of Archives of Otolaryngology Head and Neck Surgery.

Tom and his wife, Dr. Gayle Woodson have volunteered at Kilimanjaro Christian Medical Center in Tanzania over a span of 15 years, helping to train a new generation of Tanzanian ENT sur-geons. The American Cancer Society awarded him its St. Georges National Medal for his volun-teer service including President of the Illinois division, and subsequently the multi-state Lakeshores Division. Tom and Gayle are the proud parents of 4 children and 5 grand-children.

Distinguished Service Award

TERRY DAY, MD

Dr Day is the Wellin Endowed Chair and Professor and Vice Chair-Department of Otolaryngology-Head and Neck Surgery and Director of the Head and Neck Tumor Center at the Medical University of South Carolina’s NCI Designated Hollings Cancer Center.

Dr Day has served as President if the American Head and Neck Society, Board of Directors of the American Academy of Otolaryngology-Head and Neck Surgery, Council of the International Academy of Oral Oncology, and President of the Head and Neck Cancer Alliance, Inc.

Presidential Citations

AMEYA ASARKAR, MD, FACS

Ameya Asarkar, MD, FACS is an Assistant Professor of Otolaryngology/Head and Neck Surgery at LSU Health Shreveport, Louisiana and Staff Physician (Otolaryngology) at the Overton Brooks Veterans Affairs Medical Center, Shreveport, Louisiana. He completed his medical school and residency in India and a Head and Neck and reconstructive surgery fellowship at Tata Memorial Hospital in Mumbai, India. He moved to the United States in 2016 to pursue an advanced Head and Neck Surgery fellowship at LSU Health, Shreveport. Upon completion of his fellowship, Dr Asarkar stayed on as faculty at LSU Health, Shreveport. His clinical focus includes the entire spectrum of head and neck surgery with specific interest in endocrine, and transoral robotic surgery.

Dr. Asarkar received the AAO-HNSF Bobby R. Alford Endowed CORE research grant in 2017 for his research investigating radiosensitizers in HPV positive PIK3 mutant head and neck Squamous cell carcinoma. His current research interests include clinical outcomes and cost effectiveness of treatment strategies in head and neck cancer patients. He has published several peer-reviewed papers and book chapters. He also serves as a reviewer on multiple national peer-reviewed journals. Dr Asarkar was inducted as a Fellow of the American Head and Neck Society in 2020. Dr. Asarkar is actively involved with the American Head and Neck Society and serves on the salivary gland service committee, the clinical research and position statements committees. He is a member of numerous professional societies, including the American Academy of Otolaryngology Head and Neck Surgery, Federation of Head and Neck Oncology and Asia Pacific Society of Thyroid surgeons.

CAROL BRADFORD, MD, MS, FACS

An internationally recognized head and neck cancer researcher, surgeon and leader in academic medicine, Carol R. Bradford, MD, MS, FACS, is the dean of The Ohio State University College of Medicine and vice president for Health Sciences at The Ohio State University Wexner Medical Center in 2020. She is also the Leslie H. and Abigail S. Wexner Dean’s Chair in Medicine and a professor of Otolaryngology – Head and Neck Surgery.

Dr. Bradford earned her MS in microbiology/immunology and her MD (cum laude) at the University of Michigan (U-M). She completed a general surgery internship at Saint Joseph Mercy Hospital and research fellowship and otolaryngology-head and neck surgery residency at the U-M before joining their faculty in 1992. She quickly advanced through the academic ranks, becoming department chair in 2009 and executive vice dean for academic affairs in 2016. From 2012 – 2018, she held the Charles J. Krause, M.D., Collegiate Professorship in Otolaryngology.

Dr. Bradford specializes in head and neck cancer surgery, focusing her research on identifying and evaluating biomarkers that can predict outcomes. She works to develop therapies to combat certain types of head and neck cancer that are resistant to traditional forms of treatment. She also pioneered the use of sentinel lymph node biopsy as a safe and reliable tool to stage patients with melanoma of the head and neck. She has published more than 300 peer-reviewed articles and...
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contributed to more than 20 book chapters.

Her many awards include a Distinguished Service Award from the American Academy of Otolaryngology-Head and Neck Surgery in 2007, Clinical Excellence Award from Castle Connolly National Physician of the Year Awards in 2009, and the Women in Otolaryngology Helen F. Krause Memorial Trailblazer Award in 2019. She was elected as the first woman president of the American Head and Neck Society in 2012, and received that organization’s Distinguished Service Award in 2015. That same year, she was inducted into the prestigious National Academy of Medicine.

In 2020, she became the president of the American Academy of Otolaryngology-Head and Neck Surgery for a one-year term. She previously served on the board of directors of this organization from 2014 – 2018. She also served as president of the Society of University Otolaryngologists in 2017. She is a fellow of the American College of Surgeons, American Head and Neck Society, Triological Society and American Laryngological Association.

PAIGE BUNDRIK, MD

Dr. Paige Bundrick received her Medical School training at Louisiana State University Health Shreveport, School of Medicine. She did her residency at the Louisiana State University Health Shreveport, Department of Otolaryngology/ Head & Neck Surgery. She completed her Fellowship training at Louisiana State University Health Shreveport in Facial Plastics and Reconstructive Surgery. Her areas of interest are reconstructive facial plastics surgery including skin cancer resection and reconstruction, rhinoplasty and nasal airway obstruction, management of facial paralysis and facial trauma. She is also working in cosmetic facial plastic surgery and facial rejuvenation including facelift, Botox, skin resurfacing and injectable fillers, blepharoplasty, brow lift, and facial liposuction.

BRENT CHANG, MD, FRCSC

Brent A. Chang, MD, FRCSC, is an assistant professor in the Department of Otolaryngology / Head & Neck Surgery at Louisiana State University (LSU) Health Sciences Center in Shreveport. After earning his medical degree, he completed residency at the University of British Columbia and is a Fellow of the Royal College of Surgeons of Canada. He completed a clinical fellowship in Advanced Head & Neck Microvascular and Reconstructive Surgery at the Mayo Clinic Arizona under the tutelage of Dr. Richard Hayden. After completing his training, he joined the faculty at LSU Shreveport in 2018. His current practice encompasses a broad spectrum of head & neck surgery with specific interests in microvascular reconstruction, advanced pedicled reconstruction, transoral robotic surgery, and endocrine surgery. His research focuses on health outcomes, evidence based medicine, and surgical innovation. He is heavily involved in medical training at all levels. He serves at the Associate Program Director for the Head & Neck Surgery Fellowship at LSU Health Shreveport. He also serves as the Director of Robotic Surgery and Director of Reconstructive Surgery.

ARRIGO DE BENEDETTI, PHD

Dr. Arrigo De Benedetti is Prof. in the Dept. of Biochemistry and Molecular Biology at LSUHSC, Shreveport, where he started as Assistant Professor in 1992. He grew up in Israel where he obtained his BSc in Biochemistry at Bar Ilan, University of Israel. He moved to USA shortly thereafter and graduated in 1985 from State University of NY at Albany with a PhD in Molecular Biology. He then went on to do a post-doc at University of Chicago in Molecular Genetics followed aby another post-doc at University of Kentucky in Lexington.

During his postdoctoral training with Dr. Robert Rhoads who subsequently became chairman of Biochemistry/Molecular Biology at LSU Shreveport, he worked primarily on the protein synthesis initiation factor eIF4E, and made the seminal discovery that its overexpression could dysregulate cell growth and contribute to malignancy, which was published in 1990 in PNAS.

After establishing my independent lab at LSUHSC, he began investigating the mechanism of eIF4E-controlled malignant transformation of cells and also initially whether eIF4E was ever actually increased in a variety of solid tumors. Indeed, we discovered that 4E was often overexpressed in invasive BCA and colon carcinomas, but the most rewarding findings were when he started collaborating with Cherie Ann Nathan, and investigate the surgical margins, which are critical during surgical decisions for H&N cancer.

De Benedetti has helped several surgeon-scientists get started on their careers and continues to mentor and provide guidance to clinicians at LSU-Shreveport. He has been funded by the NIH and Department of Defense and is always willing to share resources.
Dr. Michael M.E. Johns is an internationally recognized leader in academic medicine, health policy, and as a head and neck cancer surgeon. He currently serves as Professor in the Schools of Medicine and Public Health at Emory University. He is Executive Vice President for Health Affairs Emeritus at Emory University, and President, CEO, and Chairman of the Board Emeritus of Emory Healthcare – positions he held at Emory from 1996 to 2007. During this time, Dr. Johns engineered the transformation of the Health Sciences Center into one of the nation’s preeminent centers in education, research, and patient care. He also served as Emory’s Chancellor from 2007 to 2012. Prior to coming to Emory, he was Vice President of the Medical Faculty and Dean of the Johns Hopkins School of Medicine. He recently served as interim Executive Vice President for Medical Affairs at the University of Michigan from June 2014 thru February 2015.

Dr. Johns has served on various private-sector and philanthropic boards, including Johnson & Johnson, the Genuine Parts Company, AMN Healthcare, and West Health. He is a member of the Board of Regents of the Uniformed Services University of the Health Sciences, as well as the Vanderbilt University Medical Center Board and the University of Michigan Health System Board.

In addition to leading complex administrative and academic organizations to new levels of excellence and service, Dr. Johns is widely renowned as a catalyst of new thinking in many areas of health policy and health professions education. He has been a significant contributor to many of the leading organizations and policy groups in health care, including the Institute of Medicine (IOM), the Association of American Medical Colleges (AAMC), and many others. He frequently lectures and publishes, and works with state and federal policy makers, on topics ranging from the future of health professions education to national health system reform. Throughout his distinguished career, Dr. Johns has been the recipient of numerous honors and awards. Most recently, in December 2016, he received an honorary Doctor of Science from his alma mater, the University of Michigan. In 2015, Dr. Johns received the Castle Connolly Lifetime Achievement Award, which is presented to physicians for their lifetime of dedication to research and practice in their respective specialties.

Dr. Johns received his bachelor’s degree at Wayne State University in his hometown of Detroit and graduated with distinction from the University of Michigan Medical School. After completing his residency training in Otolaryngology/Head and Neck Surgery at Michigan, he joined the Medical Corps of the U.S. Army and was assistant chief of the
GUESTS OF HONOR

Otolaryngology Service at Walter Reed Army Medical Center. In 1977, he joined the Department of Otolaryngology and Maxillofacial Surgery at the University of Virginia Medical Center, where he rose to the rank of Professor. In 1984, Dr. Johns was recruited to Johns Hopkins as professor and chair of Otolaryngology-Head and Neck Surgery, a department he built into one of the country’s largest and most prestigious and is ranked Number 1 by USNWR.

Dr. Johns is married to Trina Johns for 54 years and has two children Christina and Michael, both practicing academic physicians.

ROBERT JONES

Robert Jones is a 66 year old cancer survivor from Marshall, Texas. He has been married to my wife, Cathy for 43 years and have two grown sons, Brandon (41) and Garrett (38). He is also the proud grandfather of 6 beautiful grandchildren-Katelynn (15), Kennedy (11), Addison (10), Logan (7), Drake (5) and Evelyn (6 months). He has been associated with, and a patient of, Dr. Cheri Nathan for nearly 12 years.

His cancer journey and recovery began in the fall of 2009 when he was diagnosed with Stage 4 throat cancer. Dr. Nathan very literally saved his life when she performed a 13 hour surgery in October of that year, removing not only the enormous tumor in his throat that had begun to restrict his airway, but his thyroid, vocal cords and numerous lymph nodes. During that surgery, her skilled hands constructed him a new airway and rebuilt his entire neck to hopefully accommodate a voice prosthesis in the future.

The future turned out be to be only 7 months away! After going through chemotherapy, 6 weeks of radiation and weeks of healing, it was time to have his first prosthesis inserted and give it a try. Not only did it work, he has continued to have speech for going on twelve years now. He returned to his job full time with the Texas Department of Transportation the next month and is still working!

He is, and has been since 2009, cancer free! Thanks to the care, skill, guidance and determination of Dr. Nathan, he is more than a survivor. She not only saved him, she gave him a quality of life he thought was surely gone. Today, he lives life to the fullest with no limitations and is thankful everyday to have met Dr. Cheri Nathan at the darkest moment of his life. She gave him hope and proved everything was possible with her as his surgeon and guide.

ELLEN LEWIS

Ellen has 30 years of experience in patient care, starting at age 16 where she volunteered at a local hospital doing patient transport and delivering flowers and mail to patient rooms. She has worked 2 years as a nursing assistant, 7 years as a RN, and 13 years as a NP with Head and Neck Surgery (trained in H&N Surgery by Dr Cherie-Ann Nathan, the absolute best!).

She has served as the continuity of care for our cancer patients and in their survivorship clinic, where her compassion and impact is exemplary. She leads Head and Neck Survivorship monthly meetings and develops surgical care plans. Ellen is a dedicated educator who helps lead several annual outreach efforts for Head and Neck Cancer awareness and screenings in the community. She is also actively involved in research trials aimed toward improving patient outcomes and quality of life. Ellen is an excellent liaison for our patients and multidisciplinary team.

TARA MEDLIN-MOORE

Tara Moore-Medlin is a native of Shreveport, LA and works in Dr. Cherie-Ann Nathan’s research laboratory in the Department of Otolaryngology/Head & Neck Surgery. She graduated from LSUS with a BS in Biological Sciences. Her first research position was at LSUHSC in Microbiology & Immunology in a norovirus (MNV-1) research laboratory. She then relocated to Memphis, TN where she worked at St. Jude Children’s Research Hospital as a technician in the Department of Immunology from 2007-2009 assisting in T-cell and Type 1 Diabetes research. In 2009 she returned to Louisiana and joined the LSU Health Sciences Center Department of Otolaryngology/HNS as a research associate, where she then advanced to Lab Manager and Clinical Coordinator, and currently holds the position of Research Specialist.

Tara is committed to excellence in research practice and ethics. She has 10+ years of experience coordinating over 35 investigator-initiated clinical trials, which includes drafting protocols, writing and maintaining regulatory documents, data monitoring and correspondence with our Institutional Review Board and Human Research Protections Program, managing
GUESTS OF HONOR

data and specimen banks, as well as data and specimen collection, processing and analysis.

The number of medical students and residents seeking to gain experience in both basic science and clinical research by working in the laboratory continues to increase and I believe Tara’s ability to connect with medical students has been the reason our lab has been so successful in recruiting medical students for summer research projects. Tara’s role greatly supports their needs and she keeps projects on track while ensuring training and regulatory approvals are met for all.

Tara handles all aspects of lab management and her versatility and organizational skills contribute to the continued success of the lab. Her constant aim is to conduct quality translational research with the shared goal of improving head and neck cancer treatment, survival, and prevention strategies.

ANNA POU, MD

Dr. Pou joined the department of otolaryngology head and neck surgery at LSU health science Center in New Orleans. During her tenure there she was a professor in the department and served as program director, administrative vice chair, and Director of quality and patient safety. She recently joined the department of otolaryngology head and neck surgery at Ochsner health system New Orleans in 2018.

AMY RAY

Amy Ray grew up in California and being a Navy daughter moved overseas for many years and finally landed in Louisiana where she is now an administrative coordinator in the Department of Otolaryngology/HNS at LSU Health in Shreveport, where she has worked since 1998. Her role supports academic physicians, residents, medical students, and departmental research staff. She coordinates everything from administration, travel, licensing, to patients appointments. She has watched the department grow throughout her time there, seamlessly adapting to maintain unparalleled organization and order.

Her colleagues say she is amazingly organized, trustworthy, and diligent; she does an amount of work normally done by at least three people in similar offices. Supporting such a large number of people and physicians in different locations is challenging and time management is key. Amy handles these pressures daily thanks to her arsenal of experience, personal strengths, and organizational skills.

Perhaps the thing that serves Amy best in her role is her incredibly determined attitude. If something has to be done, she finds a way to get it done. By planning ahead and anticipating the needs of the people she’s supporting, she makes their jobs easier. While that’s not necessarily simple, it certainly makes a big difference in their lives.

WILLIAM RICHTSMEIER, MD

Dr. Richtsmeier was born and raised in Madison, Wisconsin. He earned a degree in Biology at The University of Notre Dame after which he and his wife, Mickie, married. They began their life together in Milwaukee where he entered graduate school studying Microbiology at Marquette University which would eventually become the Medical College of Wisconsin. After 2 years he was accepted to Medical school at Case Western Reserve School of Medicine in Cleveland Ohio. Four years later, with a little magic and lots of understanding from family and teachers he received his MD degree from Case and PhD from Milwaukee the same month despite the institutions being 420 miles apart.

He began his post degree education at the University of Virginia (finishing training in 4 years due to a glitch in the ABO’s requirement for completion of training). He went to work at the Mary Imogene Bassett Hospital in Cooperstown, NY, as their only Otolaryngologist. In Cooperstown he was able to start his own tissue culture laboratory but after four years decided to return to the University. After a brief adventure at the University of Washington, in Seattle, he was recruited to Johns Hopkins where Mike Johns had assembled an outstanding group of surgeons, scientists and teachers. In 1992 he was recruited by Dr Sabiston to lead the Division of Otolaryngology at Duke University. In 1999 he returned to Cooperstown where he has been Division Chief, Director of the Cancer Center, and lead safety physician.

He has received Presidential Citations from the Triological Society and the American Head and Neck Society. He has served on the Council of the American Society of Head and Neck Surgeons during the merger of the two H&N societies. He has also served on the Editorial Boards of the Archives of Otolaryngology, Laryngoscope, and The Journal of the AAOHNS.
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MELANIE SHAHA

Melanie Shaha is from Denver, Colorado, and completed her Master's in Speech-Language Pathology at Vanderbilt University. She completed her Clinical Fellowship at Ochsner LSU Shreveport where she went on to work with Dr. Cherie-Ann Nathan on evaluation and treatment of dysphagia, airway, and voice disorders, as well as total laryngectomy rehabilitation and TEP management. Additionally, she was the lead SLP working with the head and neck reconstructive team and LSU Voice Center. She is currently based in Birmingham, Alabama with her husband, who is completing his Laryngology fellowship. She enjoys baking, running, and spending time in the great outdoors.

The AHNS gratefully acknowledges generous unrestricted educational grants in support of the 10th International meeting as follows:

Karl Storz Endoscopy
Medtronic
Cook Medical
PROGRAM

THURSDAY, JULY 22, 2021  * The program and schedule is subject to change.
All Times Listed in Central Time Zone

8:00am – 9:15am

OPENING CEREMONY (NO CME)
Grant Achatz

Chef Grant Achatz is one of the most awarded and recognized chefs in the world. Known for his innovative, emotional, and modernist style of cuisine he has been named Best Chef in the United States by the James Beard Foundation, honored by Time Magazine as one of the 100 Most Influential People in the World, and has given talks and lectures on gastronomy and design at conferences and universities around the world. In 2004 Grant began building his dream restaurant, Alinea. Partnering with restaurant neophyte Nick Kokonas they sought to redefine fine dining in America, questioning not only culinary concepts but also the guest experience, tableware design, and restaurant bookings.

Unfortunately, Grant was diagnosed with stage 4b cancer of the tongue several years ago. We invited him to be part of our International Conference, focusing on our theme of survivorship, so he can share his cancer journey and treatment plan. Please attend the opening ceremonies to hear his inspirational story.

Welcome by Conference Leadership — Robert L Ferris, MD, PhD
Conference and Program Overview — Robert L Ferris, MD, PhD and Eben Rosenthal
Introduction of Conference Chair Guest of Honor: Eugene Myers, MD, FRCS — Robert L Ferris, MD, PhD
Introduction of Presidential Guest of Honor: K. Thomas Robbins, MD, FRCSC — Cherie Ann Nathan, MD
Introduction of Special Guest — Everett Vokes, MD
Special Guest Speaker — Mr. Grant Achatz
Recognition of Bill Brummel And Dr. Sinha — Cherie Ann Nathan, MD
Shout at Cancer Choir Performance
Closing Comments — Robert L Ferris, MD, PhD and Eben Rosenthal, MD
9:15am – 9:45am

JOHN J. CONLEY LECTURE – “A PRESCRIPTION FOR ADVOCACY: LOUISIANA’S APPROACH TO ELIMINATING HEP C”
Rebekah Gee, MD

Dr. Rebekah Gee is an Obstetrician/Gynecologist and CEO of Health Care Services for Louisiana State University. She recently served as Secretary of the Louisiana Department of Health, the state’s largest agency with a budget of $14 billion. In this cabinet role, her oversight responsibilities included Medicaid, Public Health, Disability Services, Behavioral Health, Aging and Adult Services, and disaster preparedness and response.

While Secretary, Dr. Gee led the healthcare response to a variety of significant weather events as well as the response to infectious disease outbreaks such as Zika and Hepatitis A. Dr. Gee is a champion for healthcare coverage and was responsible for implementing the Medicaid expansion which extended coverage to over 500,000 Louisianans. She has led national policy discussions on the creation of affordable pharmaceuticals and developed a first in the nation elimination campaign for Hepatitis C spearheaded by her successful drug-pricing negotiations. As a result of this subscription model for individuals in Medicaid or who are incarcerated, more than ten times the number of Louisianans have been treated for Hepatitis C this year than in her first year as Secretary. She successfully eliminated a decades-long waitlist for individuals and families needing disability services by tailoring waiver services to recipient needs. Dr. Gee implemented an aggressive statewide opioid response plan, along with her statewide standing order for Naloxone, which has saved lives and been used by thousands of Louisianans. Dr. Gee led the charge to reduce maternal mortality and her efforts have resulted in a 39% reduction in complications due to heavy bleeding—the leading preventable cause of maternal death, and a 60% reduction in severe complications of pregnancy. Dr. Gee is a champion for health equity and created the South’s first Office of Health Equity in a state department of health.

9:45am – 10:30am

PRESIDENTIAL ADDRESS AND AWARDS
Cherie Ann Nathan, MD
Introduction by Bert O’Malley, MD

10:30am – 11:00am

BREAK
CONTROVERSIAL TOPICS IN THYROID MANAGEMENT

Moderators: Ashok Shaha, MD, Brendan Stack, MD
Panelists: Ellie Maghami, MD, Louise Davies, MD, MS, Elizabeth Blair, MD, Kerstin Stenson, MD, FACS

Schedule

<table>
<thead>
<tr>
<th>Case Presentation: Molecular Markers for Bethesda III and IV Lesions</th>
<th>11:00 am – 11:03 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Discussion</td>
<td>11:03 am – 11:13 pm</td>
</tr>
<tr>
<td>Case Presentation: Micro Carcinomas</td>
<td>11:13 am – 11:16 am</td>
</tr>
<tr>
<td>Case Discussion</td>
<td>11:16 am – 11:26 am</td>
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<tr>
<td>Case Presentation: RAI</td>
<td>11:26 am – 11:29 am</td>
</tr>
<tr>
<td>Case Discussion</td>
<td>11:29 am – 11:39 am</td>
</tr>
<tr>
<td>Case Presentation: Thyroid Cancer Lymphadenopathy</td>
<td>11:39 am – 11:42 am</td>
</tr>
<tr>
<td>Case Discussion</td>
<td>11:42 am – 11:52 am</td>
</tr>
<tr>
<td>Case Presentation: Anaplastic Thyroid Carcinoma</td>
<td>11:52 am – 11:55 am</td>
</tr>
<tr>
<td>Case Discussion</td>
<td>11:55 am – 12:05 pm</td>
</tr>
<tr>
<td>Case Presentation: Advanced Thyroid Cancer Surgery/Tracheal Involvement</td>
<td>12:05 pm – 12:08 pm</td>
</tr>
<tr>
<td>Case Discussion</td>
<td>12:08 pm – 12:20 pm</td>
</tr>
</tbody>
</table>

Description

This session will outline what is currently known about the goals and relative priorities of head and neck cancer patients who have undergone treatment. Specific cases with real head and neck cancer survivors will be used to highlight common treatment-related side effects and approaches that can be used to help reduce short and long term toxicity.

Learning Objectives

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

- Recognize common treatment-related side effects that impact head and neck cancer survivors.
- Observe the relative priority survivors place on head and neck cancer cure compared to side effects from treatment.
- Outline techniques that can be used to mitigate toxicity from head and neck cancer therapy.
11:00am – 12:20pm

MANAGEMENT OF MARGINS IN ORAL CAVITY CANCER (NO CME)

Moderators: Mark Varvares, MD

 Speakers & Schedule

Introduction 11:00 am – 11:10 am
How to Avoid a Positive Margin – Terry Day, MD 11:10 am – 11:25 pm
Margin Analysis – a Surgeon’s Perspective – Stephan Kang, MD 11:25 am – 11:40 am
Oral Cavity Margin Assessment – a Pathologist’s Perspective – Margaret S. Brandwein-Weber, MD 11:40 am – 11:55 am
Future Directions in Margin Management – Snehal Patel, MD, FRCS 11:55 am – 12:10 pm
Question and Answer – All Panelists 12:10 pm – 12:20 pm

Description

Through a series of short lectures by nationally recognized experts on the topic we will address the key issues related to margin assessment in oral cancer resections.

Learning Objectives

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

• Convey the key points in the discussion as to what constitutes a clear margin in oral cancer resections.
• Employ surgical techniques so as to minimize the risk for a final positive margin.
• Recognize what is on the horizon with respect to intraoperative guidance to decrease the risk of incomplete tumor resection.

12:20pm – 1:00pm

BREAK

1:00pm – 1:50pm

CONTROVERSIES IN THE N0 NECK

Moderators: Stephen Lai, MD, PhD, FACS
Panelists: Kevin Robbins, MD, Sandeep Samant, MS, FRCS, Shaum Sridharan, MD, Kelly Malloy, MD

Schedule

Introduction/Background 1:00 pm – 1:05 pm
Case Study Presentation and Discussion 1:05 pm – 1:45 pm
Question and Answer 1:45 pm – 1:50 pm

Description

A panel of experts will discuss the management of head and neck mucosal cancer patients with node-negative staging. The presentation will focus on case studies as the basis for discussion of currently available evidence and opportunities to investigate current questions and issues.
Learning Objectives

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

• Understand the evolution of options available for management of the node-negative (N0) neck for head and neck mucosal cancer.
• Evaluate the strengths and weaknesses of the available evidence regarding current treatment approaches for the N0 neck.
• Identify opportunities to generate high-quality evidence related to treatment approaches for the N0 neck and the consequences of those options (e.g., quality of life, cost effectiveness).

1:00pm – 1:50pm

UPDATES IN IMMUNOTHERAPY TRIALS
Moderators: Ezra Cohen, MD

Speakers & Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00pm – 1:07pm</td>
<td>IO and HPV-Associated Cancers – Barbara Burtness, MD, A.B. Honors in Biology</td>
<td>Barbara Burtness, MD, A.B. Honors in Biology</td>
</tr>
<tr>
<td>1:07pm – 1:14pm</td>
<td>Neoadjuvant ChemolO Prior to Curative Chemoradiation – Aditya Juloori, MD</td>
<td>Aditya Juloori, MD</td>
</tr>
<tr>
<td>1:14pm – 1:21pm</td>
<td>Neoadjuvant IO with Surgery for HPV-Negative Disease – Ravindra Uppaluri, MD, PhD</td>
<td>Ravindra Uppaluri, MD, PhD</td>
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<tr>
<td>1:21pm – 1:28pm</td>
<td>How Should We Combine IO with Radiotherapy? – Kevin Harrington, MD</td>
<td>Kevin Harrington, MD</td>
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<tr>
<td>1:28pm – 1:35pm</td>
<td>Emerging IO Agents in HNSCC – Ezra Cohen, MD</td>
<td>Ezra Cohen, MD</td>
</tr>
<tr>
<td>1:35pm – 1:50pm</td>
<td>Panel Discussion &amp; Question and Answer – All Panelists</td>
<td>All Panelists</td>
</tr>
</tbody>
</table>

Description:

This session will update participants on how immunotherapy has been used in HNSCC, especially the locally advanced setting.

Learning Objectives

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

• Appraise the current data on the use of immunotherapy in HNSCC.
• Recognize potential strategies to integrate immunotherapy in HNSCC.
• Articulate the challenges to using immunotherapy in HNSCC.

2:10pm – 3:00pm

CONTROVERSIES IN NON-MELANOMA SKIN CANCER MANAGEMENT
Moderators: Cecelia Schmalbach

Speakers & Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker/Presenter</th>
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</thead>
<tbody>
<tr>
<td>2:10pm – 2:15pm</td>
<td>Welcome/Overview – Cecelia Schmalbach, MD, MSc, FACS</td>
<td>Cecelia Schmalbach, MD, MSc, FACS</td>
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<tr>
<td>2:15pm – 2:27pm</td>
<td>Objective #1 – Sue Yom, MD</td>
<td>Sue Yom, MD</td>
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<tr>
<td>2:27pm – 2:39pm</td>
<td>Objective #2 – Dan Zanderg, MD</td>
<td>Dan Zanderg, MD</td>
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<tr>
<td>2:39pm – 2:51pm</td>
<td>Objective #3 – David Cognetti, MD</td>
<td>David Cognetti, MD</td>
</tr>
<tr>
<td>2:51pm – 3:00pm</td>
<td>Question and Answer – All Panelists</td>
<td>All Panelists</td>
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</tbody>
</table>
**Description:**

This interactive panel brings together leading specialists from Radiation Oncology, Medical Oncology and Otolaryngology-HNS to provide evidence-based answers to controversies surrounding the management of advanced NMSC. 3 tumor board style cases with interactive polling will provide rich discussion surrounding adjuvant radiation for surgically resected cSCC, PD-1 systemic therapy for BCC and cSCC, and optimal management of Merkel Cell Carcinoma.

**Learning Objectives:**

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

- Demonstrate understanding of the role for adjuvant radiation for surgically resected advanced NMSC.
- Explain the indications for PD-1 inhibitor systemic use for advanced BCC and SCC.
- Outline Merkel cell carcinoma treatment options with respect to sentinel node biopsy, selective neck dissection and radiation therapy.

### 2:10pm – 3:00pm

**BATTLEGROUND OROPHARYNX: PHOTONS, PROTONS, LASERS, AND ROBOTS**

**Moderators:** Chris Holsinger, MD

**Speakers & Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>2:10 pm – 2:12 pm</td>
<td>Introduction – Chris Holsinger, MD</td>
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<tr>
<td>2:12 pm – 2:17 pm</td>
<td>Radiation Oncology Pearls &amp; Pitfalls – Sharon Spencer, MD</td>
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<tr>
<td>2:17 pm – 2:22 pm</td>
<td>Descalation of Treatment with Surgery – Umamaheswar Duvvuri, MD, PhD</td>
</tr>
<tr>
<td>2:22 pm – 2:27 pm</td>
<td>The Unknown Primary: ‘Search &amp; Rescue’ – Bruce Haughey, MBChB, FACS, FRACS</td>
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<tr>
<td>2:27 pm – 2:32 pm</td>
<td>Surgery for Oropharyngeal Cancer: What are we Arguing and Debating in Tumor Board – Gady Har-El, MD</td>
</tr>
<tr>
<td>2:32 pm – 2:37 pm</td>
<td>Case Discussion #1 – All Panelists</td>
</tr>
<tr>
<td>2:37 pm – 2:47 pm</td>
<td>Case Discussion #2 – All Panelists</td>
</tr>
<tr>
<td>2:47 pm – 2:57 pm</td>
<td>Case Discussion #3 – All Panelists</td>
</tr>
<tr>
<td>2:57 pm – 3:00 pm</td>
<td>Closing – Chris Holsinger, MD</td>
</tr>
</tbody>
</table>

**Description**

Pre-operative decision-making and patient selection have a significant influence of post-op adjuvant care and thus overall functional outcomes. Yet there is a lack of consensus about what these pre-operative decision-making criteria are. Which patients are best for surgery? Which for radiation? Should some patients have TLM? In this multidisciplinary panel, experts present a series of 3-5 min rapid-fire “pearls and pitfalls” presentations, then we spend more than half the session managing both routine and challenging cases, including: a T2 N0 SCC left tonsil ; 49 yo M never smoker ; T1 N1 SCC midline tongue-base 75 yo M never smoker (tumor = midline); T0 N1 SCC p16+ presumed oropharynx.
Learning Objectives

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

• Identify which patients with oropharyngeal cancer are best suited for surgery.
• Discuss indications for post-operative adjuvant therapy for patients with oropharyngeal cancer treated with transoral endoscopic H&N surgery (TORS or TLM).
• Formulate the current approach to identifying and managing the unknown primary SCC metastatic to the neck.

3:00pm – 3:30pm  BREAK

3:30pm – 4:20pm  CONTROVERSIES IN RECONSTRUCTIVE SURGERY

Moderators: Mark Wax, MD & Daniel Deschler, MD, FACS
Panelists: Richard Hayden, MD Liana Puscas, MD, D. Gregory Farwell, MD, FACS

Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>3:30 pm – 3:32 pm</td>
<td>Case Presentation – Mark Wax, MD</td>
</tr>
<tr>
<td>3:32 pm – 3:47 pm</td>
<td>Panel Discussion – All Panelists</td>
</tr>
<tr>
<td>3:47 pm – 3:49 pm</td>
<td>Case Presentation – Daniel Deschler, MD, FACS</td>
</tr>
<tr>
<td>3:49 pm – 4:04 pm</td>
<td>Panel Discussion – All Panelists</td>
</tr>
<tr>
<td>4:04 pm – 4:06 pm</td>
<td>Case Presentation – Mark Wax, MD</td>
</tr>
<tr>
<td>4:06 pm – 4:20 pm</td>
<td>Panel Discussion – All Panelists</td>
</tr>
</tbody>
</table>

Description

We will use a case management format to discuss controversial reconstructive issues: Free tissue transfer for scalp reconstruction versus Integra, early stage hemi-glossectomy with a radial forearm versus regional flap, the role of 3D modeling for simple and complex maxillofacial reconstruction.

Learning Objectives

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

• Distinguish the difference soft tissue options available for tongue reconstruction.
• Discussed the difference in wound healing with free tissue transfer versus Integra.
• Integrate 3D modeling into complex maxillofacial reconstruction.
PROGRAM

3:30pm – 4:20pm

LARYNGEAL CANCER – CONTROVERSIES
Moderators: Bevan Yueh, MD

Speakers & Schedule:

| Case Presentation #1 – Bevan Yueh, MD | 3:30 pm – 3:32 pm |
| Case Discussion with Panel – Richard Smith, MD | 3:32 pm – 3:42 pm |
| Case Presentation #2 – Bevan Yueh, MD | 3:42 pm – 3:44 pm |
| Case Discussion with Panel – Jimmy Caudell, MD | 3:44 pm – 3:54 pm |
| Case Presentation #3 – Bevan Yueh, MD | 3:54 pm – 3:56 pm |
| Case Discussion with Panel – Saad Khan, MD | 3:56 pm – 4:06 pm |
| Case Presentation #4 – Bevan Yueh, MD | 4:06 pm – 4:08 pm |
| Case Discussion with Panel – Brian Burkey, MD, MEd, FACS | 4:08 pm – 4:20 pm |

Description:

We will use case discussions to highlight controversies in the treatment of laryngeal cancer, including the management of new primary tumors, recurrent and persistent disease, and complications after treatment. The panelists will provide 1-2 take-home points on each case.

Learning Objectives:

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

- Appraise treatment options for locoregional new primary and recurrent tumors of laryngeal cancer.
- Determine indications for the use of immunotherapy in the recurrent setting.
- Recognize diagnostic and treatment dilemmas in the management of complications such as osteoradionecrosis.

4:40pm – 5:30pm

VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – HEAD AND NECK
Moderators: Sarah Rohde, MD

Speakers & Schedule:

| Neck Dissection – William Carroll, MD | 4:40 pm – 4:55 pm |
| Oral Cavity Resection – Claudio Cernea, MD | 4:55 pm – 5:10 pm |
| Robotic Oropharyngeal Resection – Gregory Weinstein, MD | 5:10 pm – 5:25 pm |
| Question and Answer – All Panelists | 5:25 pm – 5:30 pm |

Description:

This session will use video to review technique related to oral cavity resection, neck dissection and robotic oropharyngeal resection. Participants will learn standard techniques plus pearls from experts in each area.

Learning Objectives:

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

- Articulate key steps in neck dissection, oral cavity resection and robotic oropharyngeal resection.
- Develop approaches to common challenges in the surgical treatment of squamous cell carcinoma.
- Integrate surgical pearls into future cases.
**HEALTH DISPARITIES IN MODERN HEAD AND NECK PRACTICE: HOW CAN WE DO BETTER? (ORGANIZED BY THE AHNS WOMEN IN HNS SERVICE)**

Moderators: Amy Chen, MD, MPH & Kelly Malloy, MD

<table>
<thead>
<tr>
<th>Speakers &amp; Schedule:</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction – Amy Chen, MD, MPH</td>
<td>4:40 pm – 4:55 pm</td>
</tr>
<tr>
<td>Case 1: Socioeconomic/Racial Disparities – Kelly Malloy, MD</td>
<td>4:55 pm – 5:10 pm</td>
</tr>
<tr>
<td>Case 1: Socioeconomic/Racial Disparities – Gina Jefferson, MD</td>
<td>5:10 pm – 5:25 pm</td>
</tr>
<tr>
<td>Case 1: Socioeconomic/Racial Disparities – Leila Mady, MD PhD MPH, Finance and Chemistry (minor)</td>
<td>5:25 pm – 5:30 pm</td>
</tr>
<tr>
<td>Case 2: Clinical Trials – Kelly Malloy, MD</td>
<td>4:40 pm – 4:55 pm</td>
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<tr>
<td>Case 2: Clinical Trials – Nicole Schmitt, MD</td>
<td>4:55 pm – 5:10 pm</td>
</tr>
<tr>
<td>Case 3: Access to Care – Amy Chen, MD, MPH</td>
<td>5:10 pm – 5:25 pm</td>
</tr>
<tr>
<td>Case 3: Access to Care – Antoine Eskander, MD, ScM, FRCSC</td>
<td>5:25 pm – 5:30 pm</td>
</tr>
<tr>
<td>Discussion with Audience – All Panelists</td>
<td>5:25 pm – 5:30 pm</td>
</tr>
</tbody>
</table>

**Description:**

We will use a case management format to discuss four aspects of disparities: clinical trial disparities, racial-ethnic-socioeconomic disparities, and access to care disparities.

**Learning Objectives:**

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

- Predict important socioeconomic, racial, and ethnic disparities that may impact your patients’ care.
- Identify barriers to clinical trials participation.
- Advocate effectively for your patients to achieve equity in care.

**5:30pm – 6:30pm**

**AHNS WOMEN IN HNS RECEPTION**

**6:45pm – 7:45pm**

**INDUSTRY SYMPOSIA – CARDINAL HEALTH**

**Evaluating SLNB for Oral Cavity Cancer**

**Speaker:** Stephen Lai, M.D., Ph.D., FACS

*This event is is not planned or accredited for CME by the AHNS.*

[Register Here](#)

**6:45pm – 7:45pm**

**INDUSTRY SYMPOSIA – REGENERON & SANOFI GENZYME**

**Multidisciplinary Management of Locally Advanced BCC**

**Speaker:** Dr. Eric Whitman, MD, Medical Director, Atlantic Health System Cancer Care; Director, Atlantic Melanoma Center

*This event is is not planned or accredited for CME by the AHNS.*

[Register Here](#)
**FRIDAY, JULY 23, 2021**

**INDUSTRY SYMPOSIA – COOK MEDICAL**

Panel Discussion: Technological monitoring of free flaps: applications and outcomes

**Speakers:** Dr. Mark Wax, Dr. Arjun Joshi, Dr. Samip Patel

*This event is not planned or accredited for CME by the AHNS.*

Register Here

**JATIN SHAH SYMPOSIUM: DE-ESCALATION THERAPY – WHAT IT MEANS FOR PATIENT CARE TODAY**

**Moderators:** Robert Ferris, MD, PhD

**Speakers & Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 am – 7:34 am</td>
<td>Rationale and History for Treatment Deintensification – Robert Ferris,</td>
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<tr>
<td></td>
<td>MD, PhD</td>
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<tr>
<td>7:34 am – 7:42 am</td>
<td>Results of Surgical Deintensification Trials Including ECOG-3311,</td>
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<td></td>
<td>PATHOS, and ORATOR – Neil Gross, MD, FACS</td>
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<tr>
<td>7:42 am – 7:50 am</td>
<td>Controversies in Transoral Surgery with De-escalation – Jeremy Richmon,</td>
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<td></td>
<td>MD, FACS</td>
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<tr>
<td>7:50 am – 7:58 am</td>
<td>Results of Prospective Trials of Radiation Dose and Field Deintensification for Good Prognosis Disease – Aditya Juloori, MD</td>
</tr>
<tr>
<td>7:58 am – 8:06 am</td>
<td>Use of Induction Therapy to Identify Good Prognosis Patients (Chemo Selection) for Reduced Dose Concurrent Therapy – Everett E. Vokes, MD</td>
</tr>
<tr>
<td>8:06 am – 8:14 am</td>
<td>Putting It All Together, Selecting the Right Patient for the Right Intensity Therapy at the Right Time and The Future Head to Head Comparative Phase III Trials – Barbara Burtness, MD, A.B. Honors in Biology</td>
</tr>
<tr>
<td>8:14 am – 8:30 am</td>
<td>Case Based Discussion – All Panelists</td>
</tr>
</tbody>
</table>

**Description**

With the greater understanding of risk stratification including the identification of HPV+ oropharynx cancer and its dramatically better prognosis, attention has focused on developing level 1 evidence in favor of reduced intensity therapy to promote survivorship and reduce treatment related toxicities. This symposium will report on recently completed and ongoing prospective clinical trials aimed at reducing toxicity of conventional therapies as well as identifying good prognosis, low-risk populations who are most appropriate for this type of therapy.

**Learning Objectives**

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

- Identify risk stratification categories to distinguish low-risk populations particularly HPV+ oropharynx cancer patients who are candidates for reduced intensity therapy.
- Describe reported and ongoing strategies for reducing chemotherapy, radiation therapy, and/or surgical therapy based on prospective randomized trials and results.
- Discuss oncologic outcomes to date and functional and quality of life endpoints from prospective trials of de-intensified therapy.
8:45am – 9:30am

**KEYNOTE ADDRESS**

*Otis Webb Brawley, MD, MACP, FRCP, FASCO, FACE*

Otis Webb Brawley is a medical oncologist and epidemiologist. He serves as Bloomberg Distinguished Professor in the Department of Oncology of the School of Medicine and the Department of Epidemiology in the Bloomberg School of Public Health at Johns Hopkins University. He is a member of the National Cancer Institute Board of Scientific Advisors and the National Academy of Medicine. From 2007 to 2018, Brawley was Chief Medical and Scientific Officer of the American Cancer Society. From that position, he oversaw the largest private cancer research funding program in the U.S. He previously served as a professor in the Emory University School of Medicine and the Rollins School of Public Health and as a tenured senior investigator at the National Cancer Institute. Among numerous awards, he received the Key to St. Bernard Parish for his work in the U.S. Public Health Service in the aftermath of Hurricane Katrina. He is a Master of the American College of Physicians, a Fellow of the Royal College of Physicians (London), a Fellow of the American Society of Clinical Oncology, and a Fellow of the American College of Epidemiology. Brawley graduated from the University of Chicago, Pritzker School of Medicine.

9:45am – 10:30am

**HAYES MARTIN LECTURE**

*James Netterville, MD*

James L. Netterville, M.D. is the Mark C. Smith Professor, Director of Head and Neck Oncologic Services and Executive Vice Chair of Vanderbilt’s Department of Otolaryngology – Head and Neck Services, and Associate Director of the Bill Wilkerson Center for Otolaryngology and Communication Sciences. He is past President of the American Academy of Otolaryngology – Head and Neck Surgery (AAO-HNS). His primary interests are Head and neck oncologic surgery, Endocrine surgery, skull base surgery, with special interest in the management of Head & Neck paragangliomas, Tumors of the parapharyngeal space, recurrent/persistent Thyroid cancer, as well as enucleation of schwannomas of major cranial nerves. His research interests are in the areas of robotic development, cranial nerve rehabilitation, baro-reflex failure, and clinical outcomes. For the last 21 years he as lead and participated in medical educational outreach with efforts in Kenya, Nigeria, Uganda, and Haiti. The emphasis of these collaborative outreach trips is education, capacity building, and collection of educational and patient care outcomes. He has been on Faculty at Vanderbilt since 1986, which has offered him the rare opportunity to train over 150 Otolaryngology HNSurg. residents, and 54 Head & Neck surgical oncology Fellows. He is most proud of his “Medical Children” and all they have accomplished to make this world a much better place.

10:30am – 11:00am **BREAK**
### REDUCING THE BURDEN – IMPROVING QUALITY OF LIFE IN SURVIVORSHIP

**Moderators:** Carole Fakhry, MD, MPH

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>11:00 am – 11:05 am</td>
<td>Welcome and Introduction – Carole Fakhry, MD, MPH</td>
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<tr>
<td>11:05 am – 11:20 am</td>
<td>The Importance of Survivorship – Michael Moore, MD</td>
</tr>
<tr>
<td>11:20 am – 11:35 am</td>
<td>How Do We Measure Success? – Wayne Koch, MD</td>
</tr>
<tr>
<td>11:35 am – 11:50 am</td>
<td>What is Needed for a Successful Survivorship Program? – Steven Cannady, MD</td>
</tr>
<tr>
<td>11:50 am – 12:05 pm</td>
<td>Multidisciplinary Survivorship Care: An Institutional Perspective – Melonie Nance, MD</td>
</tr>
<tr>
<td>12:05 pm – 12:20 pm</td>
<td>Discussion/Question and Answer – All Panelists</td>
</tr>
</tbody>
</table>

**Description**

Increasingly, quality of life and treatment-related toxicity, in addition to cancer cure, are being recognized as priorities for those undergoing head and neck cancer treatment. This session will outline evidence to support the development of survivorship programs and metrics used to assess quality of life and function after head and neck cancer treatment as well as aspects that are important in order to develop a successful survivorship program.

**Learning Objectives**

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

- Outline evidence to support the development of head and neck cancer survivorship programs.
- Describe evidence-based tools to measure important survivorship metrics such as distress, swallowing function and quality of life.
- Outline key components necessary for implementing a successful head and neck cancer survivorship program.

### OROPHARYNX CANCER DEBATE

**Moderators:** Bert O’Malley, MD

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<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 am – 11:15 am</td>
<td>Oropharynx Cancer Case 1 – Hisham Mehanna, PhD, MD</td>
</tr>
<tr>
<td>11:15 am – 11:30 am</td>
<td>Oropharynx Cancer Case 2 – Christine Chung, MD</td>
</tr>
<tr>
<td>11:30 am – 11:45 am</td>
<td>Oropharynx Cancer Case 3 – Andy Clump, MD, PhD</td>
</tr>
<tr>
<td>11:45 am – 12:00 pm</td>
<td>Oropharynx Cancer Case 4 – Matthew Old, MD</td>
</tr>
<tr>
<td>12:00 pm – 12:20 pm</td>
<td>Question and Answer – All Panelists</td>
</tr>
</tbody>
</table>

**Description**

We will use a case presentation and management format to facilitate conversation and debate as to the various options for managing patients with Oropharynx Cancer. With our session faculty, we bring together a combination of surgical expertise, radiation expertise, and chemotherapy expertise and will present cases that stimulate discussion as to the optimal treatment algorithms for patients with oropharyngeal cancer.
Learning Objectives

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

- Demonstrate an in-depth understanding of the various treatment options for oropharyngeal cancer.
- Recognize the benefit and weaknesses of the various treatment options as they relate to outcomes for oropharyngeal cancer.
- Develop the decision making strategy for informing patients about their treatment options and making the optimal and personalized treatment plan.

12:20pm – 1:00pm  

BREAK

1:00pm – 1:50pm  

ADVANCED THYROID CANCER TUMOR BOARD  
Moderators: Mark Zafereo, MD  
Panelists: Joseph Scharpf, MD, FACS, Lori Wirth, MD, Miriam Lango, MD, William Armstrong, MD

Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>1:00 pm – 1:05 pm</td>
<td>Introduction</td>
</tr>
<tr>
<td>1:05 pm – 1:20 pm</td>
<td>Case Presentation #1 with Panel Discussion</td>
</tr>
<tr>
<td>1:20 pm – 1:35 pm</td>
<td>Case Presentation #2 with Panel Discussion</td>
</tr>
<tr>
<td>1:35 pm – 1:50 pm</td>
<td>Case Presentation #3 with Panel Discussion</td>
</tr>
</tbody>
</table>

Description

We will use a case presentation format to discuss novel therapeutics and multidisciplinary treatment strategies in the management of advanced thyroid cancer including aggressive differentiated thyroid cancer, medullary thyroid cancer, and anaplastic thyroid cancer.

Learning Objectives

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

- Identify novel targeted systemic therapy strategies for advanced thyroid cancer.
- Relate how multidisciplinary treatment strategies may be integrated with surgery for optimal management of patients with advanced thyroid cancer.
- Discuss surgical complexities, challenges, and decision-making in advanced thyroid cancer.

1:00pm – 1:50pm  

PROFFERED PAPERS 1: SKULL BASE PLUS  
Moderators: Andrew Birkeland, MD, Rusha Patel, MD & Heath Skinner, MD

(S001) INTRA-OPERATIVE FROZEN SECTION HISTOPATHOLOGY IN SINONASAL AND SKULL BASE TUMORS: A SINGLE INSTITUTION EXPERIENCE.  
Tim Mclean, MBBS; Conall Fitzgerald, MBBCh; Avery Yuan, MB, MMCi; Snehal Patel, MD; Snejzana Dogan, MD; Ian Ganly, MD, PHD; Marc Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(S002) ENDOSCOPIC CT-NAVIGATED INTRAOPERATIVE MAPPING BIOPSIES OF THE CRANIAL BASE IN THE MANAGEMENT OF RECURRENT NASOPHARYNGEAL CANCER.  
Peter Costantino, MD, FACS; Rakhna Araslanova, MD, FRCS; Tristan Tham, MD; 1New York Head and Neck Institute; 2Zucker School of Medicine at Hofstra/Northwell, New York, NY

(S003) ASSESSING THE RELATIONSHIP BETWEEN SUVMAX, GENOMIC PROFILE AND SURVIVAL IN HEAD & NECK CANCER PATIENTS RECEIVING IMMUNOTHERAPY  
Conall W Fitzgerald, MD; Cristina Valero, MD; Christina E Swartzwelder, RPAC; Luc G Morris, MD; Memorial Sloan Kettering Cancer Center
(S004) SYSTEMIC INFLAMMATION IS ASSOCIATED WITH DISEASE EXTENT AND SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Brendan Coutu, MD; Dallin Christensen, MD; Evan Ryan, BS; Elizabeth Bradford Bell, MD; Weining Zhen, MD; Zafar Sayed, MD; University of Nebraska Medical Center

(S005) YOUNG NON-SMOKERS WITH ORAL CANCER: WHAT ARE WE MISSING AND WHY?
Cristina Valero¹; Avery Yuan¹; Daniella K Zanoni¹; Snjezana Dogan²; Jatin P Shah¹; Luc G Morris¹; Richard J Wong¹; Aviram Mizrachi¹; Snehal G Patel¹; Ian Ganly¹; ¹Head and Neck Service, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ²Department of Pathology, Memorial Sloan Kettering Cancer Center, New York, NY, USA; ¹Department of Otorhinolaryngology – Head and Neck Surgery, Rabin Medical Center, Petah Tikva, Israel

(S006) PRACTICE PATTERNS IN TRANSORAL ROBOTIC SURGERY: RESULTS OF AN AMERICAN HEAD AND NECK SOCIETY SURVEY
Andrew J Holcomb, MD¹; Rachael Kammer, CCCSLP¹; Allison Holman, CCCSLP¹; Tessa Goldsmith, CCCSLP¹; Vasu Divi, MD²; Heather M Starmer, CCCSLP²; Joseph Zenga, MD³; Ryan Li, MD⁴; Urjeet A Patel, MD⁵; Jeremy D Richmon, MD¹; ¹Massachusetts Eye and Ear / Harvard Medical School; ²Stanford University; ³Medical College of Wisconsin; ⁴Oregon Health Sciences University; ⁵Northwestern University

2:10pm – 3:00pm
MANAGEMENT OF SALIVARY GLAND TUMORS
Moderators: Patrick Ha, MD, FACS

Speakers & Schedule

<table>
<thead>
<tr>
<th>Introduction – Patrick Ha, MD, FACS</th>
<th>2:10 pm – 2:13 pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optimal Imaging for Staging and Surveillance of Salivary Gland Tumors – Barton Branstetter, IV, MD</td>
<td>2:13 pm – 2:18 pm</td>
</tr>
<tr>
<td>Extent of Parotidectomy and the Role of Extracapsular Dissection – Marita Teng, MD, FACS</td>
<td>2:18 pm – 2:23 am</td>
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<tr>
<td>Retrograde Approach for Parotid Tumors – Davud Sirjani, MD</td>
<td>2:23 pm – 2:28 pm</td>
</tr>
<tr>
<td>Reconstruction of Parotid Defects – Danny Enepekides, MD, FRCS</td>
<td>2:28 am – 2:33 pm</td>
</tr>
<tr>
<td>Targeted Therapy for Salivary Gland Malignancies – Alexander Colevas, MD</td>
<td>2:33 pm – 2:38 pm</td>
</tr>
<tr>
<td>Case Presentation and Discussion – All Panelists</td>
<td>2:38 pm – 3:00 pm</td>
</tr>
</tbody>
</table>

Description
We will use concise lectures to cover high-yield topics in the management of salivary gland tumors, as well as case-based presentations to help provide practical guidance in patient care.

Learning Objectives
At the conclusion of this session, attendees will be able to:
• Develop a surgical plan for the removal and reconstruction of parotid tumors.
• Employ appropriate imaging for staging and surveillance of salivary tumors.
• Integrate the use of systemic treatment for salivary gland malignancies.
2:10pm – 3:00pm

PROFFERED PAPERS 2: FUNCTION/QUALITY

**Moderators:** Natalya Chernichenko, MD, David Neskey, MD & Kristen B. Pytynia, MD, MPH

**(S007) BUILDING A QUALITY AND VALUE REPORTING DATABASE FOR HEAD AND NECK ONCOLOGIC SURGERY**

Vasu Divi, MD; Evangelos H. Graboyes; Carol M Lewis; John De Almeida; Christine Gourin; Amy Anne D Lassig; Andres Bur; Scharukh Jalisi; Andrew C Birklund; Trevor Hackman; Carissa Thomas; John Cramer; Ryan Li; Andrew Larson; Ameya Asarkar; James Hamilton; Paul van der Sloot; Ashely Mays; Mohammad Akheel; John Pang; Daniel Pinheiro; Avinash Mantravadi; Nader Sadeghi; Terry Tissue; Stanford University; University of California San Diego; Johns Hopkins University; University of Kansas Medical Center; University of California Davis; University of North Carolina; University of Alabama Medical Center; Wayne State University; Oregon Health Sciences University; Massachusetts Eye and Ear Infirmary; Louisiana State University Shreveport; Emory University; Swedish Medical Center Denver; Louisiana State University Baton Rouge; Head & Neck Cancer Hub, Indore; University of Washington; Mercy Head & Neck Cancer; Indiana University; McGill University

**(S008) SURGICAL MARGIN TRENDS FOLLOWING TOTAL LARYNGECTOMY: A HOSPITAL BASED STUDY**

John Pang, MD; Farhoud Faraji, MD; Emily Robinson; Harrison Cash, MD; Brittany Barber, MD; Neal Futran, MD; Zain Rizvi, MD; Jeffrey Houlton, MD; University of Washington; University of California – San Diego

**(S009) SUICIDE INCIDENCE AND RISK AMONG HEAD AND NECK CANCER SURVIVORS BASED ON URBAN VS. RURAL RESIDENCE STATUS**

Nosayaba Osazuwa-Peters, BDS, PhD, MPH, CHES; Justin M Barnes, MD, MS; Somtochi Okafor, MD; Darian B Taylor, BS; Adnan S Hussaini, MD; Eric Adjei Boakye, PhD; Matthew C Simpson, MPH; Evan H Graboyes, MD, MPH; Trinitia Cannon, MD; Walter T Lee, MD, MS; Duke University School of Medicine; Washington University in St. Louis; Saint Louis University School of Medicine; George Washington University; Southern Illinois University School of Medicine; Medical University of South Carolina

**(S010) MANUAL THERAPY FOR FIBROSIS-RELATED LATE EFFECT DYSPHAGIA IN HEAD AND NECK CANCER SURVIVORS: PRELIMINARY RESULTS OF THE PILOT MANTLE TRIAL**

Katherine A Hutcheson, PhD; Holly McMillan, MCD, LMP, CLT; Christine Porsche-Bockeloh, MS, CLT; Kiara Savage, MS, CLT; Sheila Buoy, MPH; C. D Fuller, MD, PhD; Stephen Y Lai, MD, PhD; Karin Woodman, MD; Carly A Barbon, PhD; Carla L Warneke, MS; The University of Texas MD Anderson Cancer Center

**(S011) PERI-OPERATIVE PAIN, OPIOID USE, AND OPIOID PRESCRIPTIONS FOLLOWING INPATIENT HEAD AND NECK CANCER SURGERY**

Danielle R Trakimas, MD, MSE; Rajarsi Mandal, MD; Marietta Tan, MD; Christine Gourin, MD, MPH; Carole Fakhry, MD, MPH; Wayne M Koch, MD; Jonathon O Russell, MD; Ralph P Tufano, MD; David W Eisele, MD; Peter S Vosler, MD, PhD; Johns Hopkins Hospital

**(S012) RISK FACTORS OF PATIENT-REPORTED FATIGUE AMONG LONG-TERM OROPHARYNGEAL CANCER SURVIVORS**

Puja Aggarwal, PhD, BDS, MPH; Katherine A Hutcheson; Ryan P Goepfert; Adam S Garden; Frank E Mott; Clifton D Fuller; Stephen Y Lai; G. Brandon Gunn; Ethan Y Hanna; Erich M Sturgis; MD Anderson; Baylor College of Medicine

3:00pm – 3:30pm

**BREAK**
CURRENT CONCEPTS IN SPEECH AND SWALLOW REHABILITATION

Moderators: Katherine Hutcheson, MD
Panelists: Heather Starmer, MA, Dinesh Chhetri, MD, Rosemary Martino, PhD

Schedule

<table>
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<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>3:30 pm – 3:40 pm</td>
<td>Introduction</td>
</tr>
<tr>
<td>3:40 pm – 4:00 pm</td>
<td>Case Presentation 1 with Panel Discussion</td>
</tr>
<tr>
<td>4:00 pm – 4:20 pm</td>
<td>Case Presentation 2 with Panel Discussion</td>
</tr>
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</table>

Description

Interdisciplinary panelists will use a case based approach illustrating contemporary issues in speech and swallowing rehabilitation. Behavioral, medical, and surgical therapies will be discussed across diverse disease sites and treatment scenarios balancing considerations from diagnosis through long-term survivorship.

Learning Objectives

At the conclusion of this session, attendees will be able to:
- Develop proactive speech and swallowing rehabilitation protocols for surgical and non-surgical treatment settings.
- Distinguish surgical management options based on dysphagia pathophysiology.
- Describe models of surveillance and management of late speech/swallowing sequelae in survivorship clinics.

PROFFERED PAPERS 3: CANCER BIOLOGY/SKIN

Moderators: Devraj Basu, MD, PhD, FACS & Samir Khariwala, MD

(S013) EXOSOMES FROM PRIMARY TUMOR CULTURED FROM HPV+ AND HPV- OROPHARYNGEAL CANCER DEMONSTRATE DIFFERENTIAL EXPRESSION OF MIR INVOLVED IN EMT
Vivian F Wu, MD, MPH; David Dai, PhD; HFHS

(S014) 12-MONTH SMOKING CESSION PROGRAM LOWERS SOLUBLE CD44 LEVELS IN A HIGH-RISK POPULATION
Drew H Smith, MD, MS1; Shahm Raslan1; Isildinha M Reis, PhD1; Huaping Liu1; Jerri Halgowich1; Claudia Gordon1; Elizabeth J Franzmann, MD1; 1University of Miami Leonard Miller School of Medicine; 2Florida International University Herbert Wertheim College of Medicine

(S015) CRISPR-MEDIATED EPIGENETIC EDITING IDENTIFIES GENE REPRESSION PATTERNS IN HPV+ HEAD AND NECK CANCER AND MODULATES CELL GROWTH
Andrey Finegersh; Koji Ebisumoto; Sayed Sadat; Joseph Califano; UCSD

(S016) COMPARISON OF THE 40-GENE EXPRESSION PROFILE TEST WITH CLINICOPATHOLOGIC RISK FACTOR-BASED ASSESSMENT TO IMPROVE METASTASIS RISK ASSESSMENT IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Jason G Newman, MD1; Ashley Wysong, MD2; Mary A Hall, PhD3; Christine N Bailey, MPH1; Kyle R Covington, PhD3; Sarah J Kurley, PhD3; Robert W Cook, PhD3; Chrysalyne D Schmults, MD4; Sarah T Arron, MD, PhD5; 1University of Pennsylvania Health System, Philadelphia, PA; 2University of Nebraska Medical Center, Omaha, NE; 3Castle Biosciences, Inc.; 4Brigham and Women’s Hospital, Boston, MA; 5University of California San Francisco, San Francisco, CA
(S017) TARGETING CHEMOKINE (C-X-C MOTIF) LIGAND 17 (CXCL17) IN CUTANEOUS SQUAMOUS CELL CARCINOMA
Rafay O Soleja, MD; Emily Zimmerman, BS; Manon Doucet; Gauri Shishodia, PhD; Tara Moore-Medlin, BS; Cherie-Ann O Nathan, MD; Alok R Khandelwal, PhD; LSU Health Sciences Center

(S018) INVASION RATIO: A POTENTIAL NOVEL PROGNOSTIC METRIC FOR RISK-STRATIFYING PATIENTS WITH CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Moran Amit, MD, PhD; Gleber N Frederico, PhD; The University of Texas MD Anderson Cancer Center

4:40pm – 5:30pm
VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – THYROID AND PARATHYROID
Moderators: Susan McCammon, MD

Speakers & Schedule
Introduction – Susan McCammon, MD 4:40 pm – 4:45 pm
Case 1 with Video – Lisa Orloff, MD, FACS, FACE 4:45 pm – 4:55 pm
Case 2 with Video – Maisie Shindo, MD 4:55 pm – 5:05 pm
Discussion and Commentary – Amy Chen, MD, MPH 5:05 pm – 5:20 pm
Question and Answer – All Panelists 5:20 pm – 5:30 pm

Description
This will be a case-based panel discussion. We will use video clips to illustrate clinical cases using novel image guidance or tissue localization techniques in thyroid and parathyroid surgery.

Learning Objectives
At the conclusion of this session, attendees will be able to:
• Evaluate traditional and evolving techniques for tissue localization in thyroid and parathyroid surgery.
• Develop an algorithm for utilizing image guidance in central compartment neck dissection.
• Choose appropriate methods to enhance parathyroid identification and preservation during thyroid and parathyroid surgery.

4:40pm – 5:30pm
PROFFERED PAPERS 4: FUNCTION/QUALITY/RECONSTRUCTION
Moderators: Alexandra E. Kejner, MD, Rhorie Kerr, MD, & Giovana R. Thomas, MD

(S019) MODELING HOUSEHOLD ECONOMIC STRAIN ASSOCIATED WITH HEAD AND NECK CANCER TREATMENT: UTILIZING DATA FROM THE FEDERAL RESERVE BOARD SURVEY OF HOUSEHOLD ECONOMICS AND DECISION-MAKING
Suparna Shah, MD1; Vivek Pandrangi, MD1; Gabriela Lilly, MD1; Matthew Herman, MSc2; Ryan Li, MD1; 1Oregon Health and Science University; 2ExodusPoint

(S020) LARYNGEAL CANCER TREATMENT DECISION MAKING: A CONJOINT ANALYSIS OF GENERAL PUBLIC ATTITUDES AND PRIORITIES
Montana Upton, MD1; Neha Reddy, BA2; Mamdouh Aker, BA2; Kevin James, BA2; Marilene Wang, MD2; Abie H Mendelsohn, MD2; 1Vanderbilt University Department of Otolaryngology – Head and Neck Surgery; 2UCLA Department of Head and Neck Surgery
(S021) PHARYNGO-ESOPHAGEAL COMPLICATIONS OF ANTERIOR CERVICAL SPINE SURGERY: A MULTI-CENTER REVIEW OF EVALUATION AND MANAGEMENT
Rula Mualla, MD1; Matt Hanasono, MD2; Mauricio Moreno, MD3; Mark Wax, MD, FACS, FRCS4; Larissa Sweeney, MD5; Andrew Holcomb6; Zhen Gooi7; Andrew Huang, MD, FACS8; Ryan Jackson, MD; Patrik Pipkorn, MD; Jamie Ku, MD; Jeremy Richmond, MD; Ryan Li, MD, FACS; 1OHSU; 2MD Anderson; 3University of Arkansas; 4LSU; 5Mass Eye and Ear; 6University of Chicago; 7Baylor; 8Washington University St. L.; 9Cleveland Clinic

(S022) INTRAOPERATIVE VASOPRESSORS IN HEAD AND NECK FREE FLAPS: EFFECT ON REOPERATION RATES
James R Gardner; Victoria Gau, MD; Patrick Page, MD; Deanne King, MD, PhD; Emre Vural, MD; Jumin Sunde, MD; Mauricio Moreno, MD; University of Arkansas for Medical Sciences

(S023) RATES OF BONE REABSORPTION AND NONUNION IN THE RECONSTRUCTION OF THE MANDIBLE USING OSTEOCUTANEOUS RADIAL FOREARM FREE FLAP.
Omar A Karadaghy, MD, MSCI1; Benjamin ., MD1; Caroline Mussatto, BS2; Taylor Norris3; Nick Harn, MD, PhD1; Andres Bur, MD1; 1University of Kansas Medical Center; 2University of Kansas School of Medicine

(S024) IMPACT OF PREOPERATIVE AND INTRAOPERATIVE MANAGEMENT ON OUTCOMES IN OSTEONECROSIS REQUIRING FREE FLAP RECONSTRUCTION
Erica E Mayland, MD1; Brian P Swendseid, MD2; Joseph M Curry, MD2; Alexandra E Kejner, MD3; Carissa M Thomas, MD, PhD4; Joshua J Kain, MD4; Steve B Cannady, MD5; Kendall Tasche, MD5; Eben L Rosenthal, MD6; Michael DiLeo, MD7; Caitlin McMullin, MD8; Brett Miles, MD1; Rocco M Ferrandino, MD1; Juliana Rantisi, BS9; Mark K Wax, MD10; Larissa Sweeney, MD11; 1Icahn School of Medicine at Mount Sinai; 2Thomas Jefferson University; 3University of Kentucky; 4University of Alabama at Birmingham; 5University of Pennsylvania Health System; 6Stanford University; 7Louisiana State University Health Science Center – New Orleans; 8H. Lee Moffitt Cancer Center & Research Institute; 9Oregon Health and Science University School of Medicine

5:30pm – 6:30pm

INDUSTRY SYMPOSIA – STRYKER

Evolution of technology in mandible reconstruction
Speaker: Dr. Keith Blackwell

This event is is not planned or accredited for CME by the AHNS.

Register Here

Thank you to Our 2021 Visibility Donor!
The following company has provided generous support for non-CME meeting activities:

Roche
7:00 – 8:30 am

**MILTON J. DANCE SYMPOSIUM: SURVIVORSHIP AND LATE EFFECTS**

**Moderators:** Michael Moore, MD

**Panelists:** Heather Starmer, MA, Bruce Neustadter, Carolyn Dee, Marci Nilsen, PhD, MSN, RN, Joel Epstein, DMD, MSD Rosemary Martino, PhD

**Schedule**

<table>
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<tr>
<th>Activity</th>
<th>Time</th>
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<tbody>
<tr>
<td>Welcome and Introduction – Michael Moore, MD</td>
<td>7:00 am – 7:07 am</td>
</tr>
<tr>
<td>Oral Care in Head and Neck Survivorship – Joel Epstein, DMD, MSD</td>
<td>7:07 am – 7:17 am</td>
</tr>
<tr>
<td>Improving Swallowing and Quality of Life in Head and Neck Cancer Patients – Rosemary Martino, PhD</td>
<td>7:17 am – 7:30 am</td>
</tr>
<tr>
<td>Roundtable Case-Based Discussion – All Panelists</td>
<td>7:30 am – 8:25 am</td>
</tr>
<tr>
<td>Summary and Wrap Up – Michael Moore, MD</td>
<td>8:25 am – 8:30 am</td>
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</tbody>
</table>

**Description**

This session will outline what is currently known about the goals and relative priorities of head and neck cancer patients who have undergone treatment. Specific cases with real head and neck cancer survivors will be used to highlight common treatment-related side effects and approaches that can be used to help reduce short and long term toxicity.

**Learning Objectives**

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

- Recognize common treatment-related side effects that impact head and neck cancer survivors.
- Observe the relative priority survivors place on head and neck cancer cure compared to side effects from treatment.
- Outline techniques that can be used to mitigate toxicity from head and neck cancer therapy.
8:45am – 9:30am

CHRISTOPHER O’BRIEN LECTURE
Suzanne Topalian, MD

Dr. Topalian is the Bloomberg~Kimmel Professor of Cancer Immunotherapy, and a Professor of Surgery and Oncology at the Johns Hopkins University School of Medicine. She is the director of the Melanoma Program in the Sidney Kimmel Comprehensive Cancer Center, and is an associate director of the Bloomberg~Kimmel Institute for Cancer Immunotherapy at Johns Hopkins. Dr. Topalian is a physician-scientist whose studies of anti-tumor immunity have been foundational in developing cancer immunotherapy. She received her medical and scientific training at Tufts University School of Medicine, Thomas Jefferson University Hospital, and the National Cancer Institute. She joined the Johns Hopkins Kimmel Cancer Center in 2006 as the inaugural director of its Melanoma Program. Her current research focuses on manipulating “immune checkpoints” such as PD-1 in cancer therapy, discovering biomarkers predicting response and resistance, and developing effective treatment combinations. Dr. Topalian’s work is widely recognized: she was named one of Nature’s 10 in 2014, and received the Karnofsky Award from ASCO in 2015, the Taubman Prize in 2016, and the NCI’s Rosalind E. Franklin Award in 2018, for landmark discoveries in cancer immunotherapy. Dr. Topalian was elected to the National Academy of Medicine in 2017. Her work has opened new avenues of scientific investigation and has established immunotherapy as a pillar of oncology.

9:45am – 10:30am

CLOSING COMMENTS (NO CME)
Jim Kelly
Moderated by Cherie Ann Nathan, MD

Jim Kelly is a three-time head and neck cancer survivor and a Pro Football Hall of Famer. He led his team to six AFC East Championships and four consecutive championship appearances and holds the all-time professional football record for most yards gained per completion in a single game. Jim founded the Hunter’s Hope Foundation in 1997 following his son’s Krabbe disease diagnosis, which took his life in 2005. Jim was first diagnosed with head and neck squamous cell carcinoma in 2013 and has been a Your Cancer Story spokesperson since 2017.

10:30am – 11:00am

BREAK

11:00am – 12:20pm

HPV: EPIDEMIOLOGY, BEHAVIOR, PREVENTION AND CLINICAL IMPLICATIONS
Moderators: Carole Fakhry, MD, MPH

Speakers & Schedule

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
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<tbody>
<tr>
<td>Epidemiology of HPV-related Cancer – Beth Beadle, MD</td>
<td>11:00 am – 11:20 am</td>
</tr>
<tr>
<td>Primary and Secondary Prevention of HPV-associated Oropharynx Cancer – Joseph Califano, MD, FACS</td>
<td>11:20 am – 11:40 am</td>
</tr>
<tr>
<td>Clinical Implications of HPV-positive Tumor Status: Treatment, Trials and Common Questions – Robert Haddad, MD</td>
<td>11:40 am – 12:00 pm</td>
</tr>
<tr>
<td>Question and Answer – All Panelists</td>
<td>12:00 pm – 12:20 pm</td>
</tr>
</tbody>
</table>
PROGRAM

Description

This session will review updates in the epidemiology of HPV, HPV-related cancers, prevention strategies and their clinical implications.

Learning Objectives

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

• Discuss the nuances in HPV epidemiology.
• Convey the unknowns and limitations of prevention in the current landscape.
• Explain the prognostic implications of HPV, trial options and clarify behavioral questions.

INNOVATIONS IN HEAD AND NECK CANCER TREATMENT – IMMUNOTHERAPY TO NEW ROBOTICS (THYROID ABLATION, NEOADJUVANT IMMUNOTHERAPY, IMAGING, ETC)

Moderators: Nishant Agrawal, MD, FACS

Speakers & Schedule

Imaging Innovation for Intraoperative Detection of Cancer – Max Witjes, MD, DDS, PhD
11:00 am – 11:20 am

Novel Interventions for Thyroid Cancer – Ralph Tufano, MD
11:20 am – 11:40 am

Novel Diagnostic and Therapeutic Options for Head and Neck Cancer – Nishant Agrawal, MD, FACS
11:40 am – 12:00 pm

Question and Answer – All Panelists
12:00 pm – 12:20 pm

Description

We will discuss innovations in intra-operative imaging, novel interventions for thyroid cancer, robotics for transoral surgery, and novel treatments for head and neck cancer.

Learning Objectives

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

• Understand the impact of high definition microendoscopy, autofluorescence, contrast agents, and radiolabeled agents for detection of cancer during surgical procedures.
• Understand novel approaches in the management of differentiated thyroid cancer.
• Understand the limitations of current robotic technology and explore future innovations in robotic technology.

12:20 pm – 1:00 pm BREAK
HOW WOULD YOU RECONSTRUCT THIS DEFECT? CONTROVERSIES REGIONAL & FREE FLAP OPTIONS

Moderators: Urjeet Patel, MD, FACS

Speakers & Schedule

<table>
<thead>
<tr>
<th>Total Glossectomy Defects – Derrick Lin, MD</th>
<th>1:00 pm – 1:06 pm</th>
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<tbody>
<tr>
<td>Total Glossectomy Case Discussion – Urjeet Patel, MD, FACS</td>
<td>1:06 pm – 1:13 pm</td>
</tr>
<tr>
<td>Lateral Mandible Defects +/- Condyles – Peter Dziegielewski, MD, FRCSC</td>
<td>1:13 pm – 1:19 pm</td>
</tr>
<tr>
<td>Lateral Mandible Case Discussion – Urjeet Patel, MD, FACS</td>
<td>1:19 pm – 1:26 pm</td>
</tr>
<tr>
<td>Lateral Skull Base Defects – Matthew Spector, MD</td>
<td>1:26 pm – 1:32 pm</td>
</tr>
<tr>
<td>Lateral Skull Base Case Discussion – Urjeet Patel, MD, FACS</td>
<td>1:32 pm – 1:39 pm</td>
</tr>
<tr>
<td>Question and Answer – All Panelists</td>
<td>1:39 pm – 1:50 pm</td>
</tr>
</tbody>
</table>

Description

We will use a brief presentation followed by case presentation and discussion format to discuss options and controversies surrounding regional and free flap reconstruction. The three specific defects that will be discussed are total glossectomy, lateral mandible including condyle, and lateral skull base.

Learning Objectives

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

- Recognize the functional and cosmetic implications of these 3 defects.
- Distinguish advantages and disadvantages of various regional and free flap reconstructive options for these 3 defects.
- Formulate optimal and patient-specific treatment plans for patients with such defects.

PROFFERED PAPERS 5: ENDOCRINE/SALIVARY

Moderators: Seungwon Kim, MD, Julia Noel, BS, MD, David Charles Shonka, MD

(S025) PREVALENCE AND RISK FACTORS FOR MULTIFOCALITY IN PEDIATRIC THYROID CANCER: A MULTICENTER STUDY

Grace L Banik, MD1; Maisie L Shindo, MD2; Kristen L Kraimer, MD2; Katherine Manzione3; Abhita Reddy, MD4; Ken Kazahaya, MD, MBA5; Andrew J Bauer, MD6; Jeffrey C Rastatter, MD4; Mark E Zafereo, MD7; Steven G Waguespack, MD8; Daniel C Chelius, Jr, MD9; Lourdes Quintanilla-Dieck, MD2; 1Division of Pediatric Otolaryngology, Children’s Hospital of Philadelphia; 2Department of Otolaryngology-Head and Neck Surgery, Oregon Health and Science University; 3Department of Statistics, Colorado State University; 4Division of Pediatric Otolaryngology-Head and Neck Surgery, Ann & Robert H. Lurie Children’s Hospital of Chicago; 5Division of Pediatric Otolaryngology, Children’s Hospital of Philadelphia, Department of Otorhinolaryngology-Head and Neck Surgery, University of Pennsylvania; 6Division of Endocrinology and Diabetes, Children’s Hospital of Philadelphia; 7Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center; 8Department of Endocrine Neoplasia and Hormonal Disorders, The University of Texas MD Anderson Cancer Center; 9Division of Otolaryngology-Head and Neck Surgery, Texas Children’s Hospital
PROGRAM

(S026) EVALUATION OF INTRAOPERATIVE PARATHYROID HORMONE LEVELS AND EFFECTS ON OPERATIVE SUCCESS
Brody King, BS1; Hilary C McCrary, MD, MPH2; Vanessa Torrecillas, MD2; Devaprabu Abraham, MD3; Jason P Hunt, MD2; 1University of Utah School of Medicine; 2University of Utah School of Medicine – Division of Otolaryngology – Head and Neck Surgery; 3University of Utah School of Medicine, Department of Internal Medicine

(S027) LARYNGEAL ADDUCTOR REFLEX: A BETTER MODALITY OF NERVE MONITORING DURING CENTRAL NECK SURGERY
Mohamed A Aboueisha, MD; Mahmoud Omar, MD; Abdallah S Attia, MD; Deena S Hadedeya, MD; Mohamed Shama, MD, MSc, MRCS, EBSQ; Emad Kandil, MD, MBA, FACS, FACE; Tulane university

(S028) PAROTID GLAND MALIGNANCY: DISCREPANCIES IN STAGING AND OUTCOMES BY SITE OF FACIAL NERVE INVOLVEMENT
Bryan B Hair, BS; Khashayar Arianpour, MD; Shlomo A Koyfman, MD; Brian B Burkey, MD; Eric D Lamarre, MD; Cleveland Clinic Foundation

(S029) ANTI-TUMORIGENIC EFFECTS OF CWP232291, A FIRST-IN-CLASS INHIBITOR OF BETA-CATENIN/WNT PATHWAY IN ADENOID CYSTIC CARCINOMA.
Joseph O Humtsoe1; Hyun-su Kim1; Leilani Jones1; Bhumsuk Keam2; Patrick Ha1; 1Department of Otolaryngology- Head and Neck Surgery, Helen Diller Family Comprehensive Cancer Center, University of California San Francisco, San Francisco, CA.; 2Department of Internal Medicine, Seoul National University, Seoul, Korea.

(S030) EFFICACY AND SAFETY OF LAROTRECTINIB IN PATIENTS WITH ADVANCED TRK FUSION SALIVARY GLAND CANCER
Xiuning Le1; Christina Baik2; Jessica Bauman3; Marcia S Brose4; Jill Gilbert5; Juneko E Grilley-Olson6; Jennifer M Johnson7; Ray McDermott8; Tejas Patil9; Luis E Raez10; Makoto Tahara11; John Reeves12; Laura Dimas13; Nicoletta Brega14; Alexander Drilon15; David S Hong16; 1Department of Radiation Oncology, University of Texas MD Anderson Cancer Center, Houston, TX, USA; 2Department of Radiation Oncology, University of California Los Angeles, Los Angeles, CA, USA; 3Department of Internal Medicine, Seoul National University, Seoul, Korea; 4Department of Radiation Oncology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; 5Department of Radiation Oncology, Memorial Sloan Kettering Cancer Center, New York, NY, USA; 6Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA; 7Department of Radiation Oncology, University of Texas MD Anderson Cancer Center, Houston, TX, USA; 8Department of Radiation Oncology, University of California San Francisco, San Francisco, CA, USA; 9Department of Radiation Oncology, University of Texas Southwestern Medical Center, Dallas, TX, USA; 10Department of Radiation Oncology, Stanford University, Stanford, CA, USA; 11Department of Radiation Oncology, University of Pennsylvania, Philadelphia, PA, USA; 12Department of Radiation Oncology, University of California San Francisco, San Francisco, CA, USA; 13Department of Radiation Oncology, University of Texas MD Anderson Cancer Center, Houston, TX, USA; 14Department of Radiation Oncology, University of California San Francisco, San Francisco, CA, USA; 15Department of Radiation Oncology, University of California San Francisco, San Francisco, CA, USA; 16Department of Radiation Oncology, University of California San Francisco, San Francisco, CA, USA

2:10pm – 3:00pm

MANAGEMENT OF LATE STAGE ORAL CAVITY TUMORS
Moderators: Jonathan Irish, MD, MSc, FRCSC, FACS
Panelists: Michael Moore, MD, FACS, Eric Moore, MD, FACS, Barry Wenig, MD

Schedule

Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS 2:10 pm – 2:12 pm
Case Discussion – All Panelists 2:12 pm – 2:22 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS 2:22 pm – 2:24 pm
Case Discussion – All Panelists 2:24 pm – 2:34 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS 2:34 pm – 2:36 pm
Case Discussion – All Panelists 2:36 pm – 2:46 pm
Case Presentation – Jonathan Irish, MD, MSc, FRCSC, FACS 2:46 pm – 2:48 pm
Case Discussion – All Panelists 2:48 pm – 3:00 pm
Description

We will use a case management format to illustrate the factors that must be considered in the management of late stage oral cancers. The case management presentation will demonstrate the decision making that must be considered in the following scenarios: 1) the young patient with advanced disease, 2) the frail elderly patient, 3) the unresectable patient and 4) the “vulnerable” patient with little social support. The case management format will include factors that need to be considered in tumor ablation, reconstruction and also incorporate multidisciplinary care options that need to be incorporated into the management of the advanced oral cancer patient.

Learning Objectives

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

- Implement an evidence-based approach to the management of advanced oral cancer in a young healthy patient.
- Recognize how the treatment of advanced oral cancer is modified in 1) the elderly and frail patient 2) patients with unresectable disease and 3) patient with poor social supports.
- Convey the importance of multidisciplinary discussion and approaches to the ablative and reconstructive management of the patient with advanced oral cancer.
PROGRAM

(S036) ADJUVANT RADIATION VS CHEMORADIATION IN HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA WITH EXTRANODAL EXTENSION
Samer T Elsamna, BA; Ghayoour Mir, DO; Dylan F Roden, MD, MPH; Rutgers New Jersey Medical School, Department of Otolaryngology—Head & Neck Surgery

3:00pm – 3:30pm  BREAK

3:30pm – 4:20pm  NPC AND SKULL BASE SURGERY: COMPLEX CASE DISCUSSION
Moderators: Ivan El-Sayed, MD
Panelists: Jack Phan, Christine Glastonbury, Nabil Saba, MD, Shirley Su, MBBS, Marc Cohen, MD, MPH

Schedule

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<th>Event</th>
<th>Time</th>
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<tbody>
<tr>
<td>Case Presentation – Ivan El-Sayed, MD</td>
<td>3:30 pm – 3:33 pm</td>
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<tr>
<td>Case Discussion – All Panelists</td>
<td>3:33 pm – 3:45 pm</td>
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<tr>
<td>Case Presentation – Ivan El-Sayed, MD</td>
<td>3:45 pm – 3:48 pm</td>
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<tr>
<td>Case Discussion – All Panelists</td>
<td>3:48 pm – 4:00 pm</td>
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<tr>
<td>Case Presentation – Ivan El-Sayed, MD</td>
<td>4:00 pm – 4:03 pm</td>
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<tr>
<td>Case Discussion – All Panelists</td>
<td>4:03 pm – 4:20 pm</td>
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Description

Challenging cases of skull base malignancy will be presented to an expert panel for discussion. Topics will include diagnostic work up, advances in treatment strategies, the role of organ preservation and immunotherapy, and recognition of a growing number of pathologic variants.

Learning Objectives

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

- Recognize several key pathologic variants of sinonasal carcinoma and their impact on treatment options.
- Appraise tumor invasion and extent of disease into the orbit and skull base.
- Discuss surgical, radiation, and systemic treatment options for patients with skull base cancer.

PROFFERED PAPERS 7: ORAL CAVITY PLUS
Moderators: Ameya Ajit Asarkar, Trinitia Cannon, MD, & Tamer Ghanem, MD, PhD

(S037) ORAL CAVITY SQUAMOUS CELL CARCINOMA TUMOR CENTER AND LEADING EDGE HAVE A TEMPORALLY STABLE, UNIQUE MICROBIOME COMPARED TO CONTRALATERAL NORMAL SITES
Carissa M Thomas, MD, PhD; Alya Heirali, PhD; Hedyeh Ziai, MD; Maria Kulikova, BS, DPT; Carolyn Barsoum, BS, MA; Feben Alemu; Dale Brown, MB; John R de Almeida, MD, MSc; David Goldstein, MD, MSc; Patrick Gullane, MB; Ralph Gilbert, MD; Jonathan Irish, MD, MSc; Douglas Chepeha, MD, MSCP; Bryan Coburn, MD, PhD; 1University of Alabama at Birmingham; 2Toronto General Research Institute; 1University Health Network, University of Toronto

(S038) IDENTIFICATION OF OCCULT METASTATIC DISEASE VIA LYMPHOSCINTIGRAPHY GUIDED NECK DISSECTION (LSG-ND) IN N0 ORAL SQUAMOUS CELL CARCINOMA
Lisa B Earnest-Noble, MD, PhD; Rachel Lipsky; William I Kuhel, MD; David I Kutler, MD; Weill Cornell Medicine
(S040) THE SUBSTANTIAL OMISSION OF INDICATED POST-OPERATIVE RADIOTHERAPY IN ADVANCED STAGE ORAL CANCER IN THE UNITED STATES: A CALL TO ACTION
Musaddiq Awan, MD; Ken Akakpo, MD; Becky Massey, MD; Michael Stadler, MD; Bruce Campbell, MD; Monica Shukla, MD; Christopher Schultz, MD; Aditya Shreenivas, MD; Stuart Wong, MD; Evan Graboyes, MD, MPH; Patrik Pipkorn, MD, MSCI; Sidharth V Puram, MD, PhD; Joseph Zenga; 1Medical College of Wisconsin; 2Medical University Of South Carolina; 3Washington University School of Medicine

(S041) COMPARISON OF 89ZR-PANITUMUMAB PET/CT AND FDG-PET/CT FOR PREOPERATIVE IDENTIFICATION OF METASTATIC HEAD AND NECK SQUAMOUS CELL CARCINOMA
Yu-Jin Lee, MD; Nynke S van den Berg, PhD; Marisa Hom, PhD; Heying Duan; Carmen Azevedo; Valentina Ferri; Brock Martin, MD; Roan Raymundo; Jessa Castillo; Bin Shen, PhD; Michael J Kaplan, MD; Alexander D Colevas, MD; Frederick Chin, PhD; Fred Baik, MD; Andrei Iagaru, MD; Eben L Rosenthal; Stanford University

(S042) BENEFIT OF ADJUVANT CHEMOTHERAPY IN SURGICALLY RESECTED, NEGATIVE MARGIN HEAD AND NECK CANCER WITH PATHOLOGICALLY CONFIRMED EXTRANODAL EXTENSION
Ghayoour Mir, DO; Gregory L Barinsky, PharmD; Roman Povalotskiy, MD; Soly Baredes, MD; Boris Paskhover, MD; Richard C Park, MD; Dylan F Roden, MD, MPH; Rutgers New Jersey Medical School

4:40pm – 5:30pm
VIDEO SESSION: EXPERTS IN SURGICAL TECHNIQUE – SALIVARY AND RECONSTRUCTION
Moderators: David Eisele, MD

Speakers & Schedule
Complex Parotid Neoplasm Case Presentation – David Eisele, MD 4:40 pm – 5:00 pm
Complex Parotid Neoplasm Case Presentation – M. Boyd Gillespie, MD, MS 5:00 pm – 5:15 pm
Reconstruction of Complex Parotid Defect – Ralph Gilbert, MD 5:15 pm – 5:30 pm

Description
We will use a case management format to discuss the management of complex parotid neoplasms. Surgical approaches and reconstruction techniques will be presented.

Learning Objectives
At the conclusion of this session, attendees will be able to:
• Assess the patient with a complex parotid neoplasm.
• Understand the surgical complexities of surgical resection of recurrent parotid neoplasms.
• Know the options for surgical reconstruction following radical parotidectomy.
PROFFERED PAPERS 8: OROPHARYNX

Moderators: Thomas Julian Ow, MD, Eleni M. Rettig, MD, & Shaum S. Sridharan

(S043) TRANSORAL ROBOTIC SURGERY (TORS) VERSUS PRIMARY RADIOTHERAPY IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: AN UPDATED COMPARATIVE SURVIVAL ANALYSIS USING A LARGE POPULATION DATABASE.
Mitchell Flagg; Bharat Panuganti, MD; Rohith Voora, BS; Joseph Califano, MD; Ryan Orosco, MD; UCSD School of Medicine

(S044) EXTRANODAL EXTENSION ON PRESENTATION, TREATMENT, AND OUTCOMES OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Neel Sangal, MD; Justin Shinn; Leila Mady, MD, MPH, PHD; David Shimunov, BA; Karthik Rajasekaran; Steven Cannady, MD; Ara Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD; Jason Newman, MD; Gregory Weinstein, MD; Robert Brody, MD; Hospital of the University of Pennsylvania

(S045) OUTCOMES OF POSTSURGICAL P16+ OROPHARYNGEAL CARCINOMA WITH HIGH RISK FEATURES TREATED WITH ADJUVANT RADIATION VERSUS ADJUVANT CHEMORADIATION
Jordan B Fenlon, MD; Ryan J Hutten, MD; Chris R Weil, MD; Shane Lloyd, MD; Ying J Hitchcock, MD; Huntsman Cancer Institute – University of Utah Health

(S046) SUPRAHYOID AND LATERAL PHARYNGOTOMY FOR MANAGEMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A SYSTEMATIC REVIEW AND THE MAYO CLINIC EXPERIENCE.
Joseph N Badaoui, MD; Linda X Yin, MD; Adam Sauer, MD; Christine M Lohse, MS; Daniel L Price, MD; Jan L Kasperbauer, MD; Eric J Moore, MD; Daniel B Noel, MD; Kerry D Olsen, MD; Kathryn M Van Abel, MD; Mayo Clinic, Rochester, Minnesota

(S047) THE EFFECT OF SARCOPENIA ON ONCOLOGIC OUTCOMES OF PRIMARY SURGERY OR DEFINITIVE RADIATION THERAPY IN LOCALIZED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Brennan Olson; Jared Edwards; Lucas Stone; Angie Jiang; Xinxia Zhu; John Holland, MD; Ryan Li, MD; Peter Andersen, MD; Stephanie Krasnow, PhD; Daniel Marks, MD, PhD; Daniel Clayburgh, MD, PhD; OHSU

(S048) THE ROLE OF ADJUVANT CHEMOTHERAPY IN HIGH RISK HPV-POSITIVE OROPHARYNGEAL CANCER
Clifford Chang1; Michelle Chen2; Steven B Chinn2; 1NYU School of Medicine; 2University of Michigan – Department of Otolaryngology – Head and Neck Surgery

5:30pm – 6:30pm

INDUSTRY SYMPOSIA – MERCK

Gardasil9: HPV and Head and Neck Cancer: Do you Know the Facts?
Speaker: Marietta Vazquez, M.D.

This event is not planned or accredited for CME by the AHNS.

Register Here
7:00pm – 8:00pm

**PRESIDENT’S RECEPTION HAPPY HOUR**

*I’m Interested in a Head and Neck Fellowship and I’m a Fellow, How Do I Find a Job?*
Co-Hosts: Sarah Rohde, MD; Amy Hessel, MD; Maie St John, MD, PhD; Ara Chalian, MD; Don Weed, MD; Bill Lydiatt, MD

**Open Forum: The Best Worst Experience (Helicopter Flaps, Dropped Grafts and Other Unmentionables…) AND Operating Room Quotes I Will Never Forget**
Co-Hosts: Eben Rosenthal, MD; Ashok Shaha, MD; Mark Wax, MD; Ben Greene, MD; Lisa Shnayder, MD, FACS

**How Do I Start a Clinical Trial?**
Co-Hosts: Bob Ferris, MD, PhD; Stephen Lai, MD, PhD, FACS; Erich Sturgis, MD; Quynh Le, MD; Ravindra Uppaluri, MD, PhD

**Drinks with the AHNS Leaders**
Co-Hosts: Cherie Ann Nathan, MD, FACS; Brian Burkey, MD, MEd, FACS; Bert O’Malley, MD; Susan McCammon, MD; Greg Randolph, MD, FACS, FACE; Boyd Gillespie, MD; Lisa Shnayder, MD, FACS; Trinitia Cannon, MD; Babak Givi, MD; Michael Moore, MD; Carole Fakhry, MD
### ADVANCE PRACTICE PROVIDER SYMPOSIUM

**Moderators:** Ellie Maghami, MD and Deepa Shah, PA-C

#### Schedule & Faculty

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Faculty</th>
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<tbody>
<tr>
<td>8:00am – 8:15am</td>
<td>Introduction – Ellie Maghami, MD and Deepa Shah, PA-C</td>
<td><em>(session introduction)</em></td>
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<tr>
<td>8:15am – 8:45am</td>
<td>Preparing Patients with Advanced Stage Head and Neck Cancer for Surgery – Trina Sheedy, PA</td>
<td><em>(patient preparation)</em></td>
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<tr>
<td>8:45am – 9:25am</td>
<td>Managing Adverse Events following Head and Neck Surgery: A Review in Post-Operative Care for the Advanced Practice Provider – Deepa Shah, PA-C, Brittni Carnes, Lily Lam and Monica Kurzymski</td>
<td><em>(adverse event management)</em></td>
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<tr>
<td>9:25am – 9:55am</td>
<td>Communication Skills for Engaging with Difficult Patient Behaviors – Laura Kirk, PA</td>
<td><em>(communication skills)</em></td>
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<tr>
<td>9:55am – 10:25am</td>
<td>Swallow Surveillance: Beyond the First Year – Cara Evans, MS, CCC-SLP</td>
<td><em>(swallow surveillance)</em></td>
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<tr>
<td>9:55am – 10:25am</td>
<td>Break</td>
<td><em>(break time)</em></td>
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<tr>
<td>10:25am – 10:45am</td>
<td>Evidence and Dogma: Pretreatment Imaging for Head and Neck Cancer Patients – Hilda Stambuk, MD</td>
<td><em>(pretreatment imaging)</em></td>
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<tr>
<td>10:45am – 11:15am</td>
<td>Survivorship Care in Head and Neck Cancer – Jonas Johnson, MD</td>
<td><em>(survivorship care)</em></td>
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<tr>
<td>11:15am – 11:25am</td>
<td>Survivorship Care in Head and Neck Cancer – Marci Lee Nilsen, PhD, MSN, RN</td>
<td><em>(survivorship care)</em></td>
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<tr>
<td>11:25am – 11:35am</td>
<td>Survivorship Care in Head and Neck Cancer – Casey A. Fazer-Posorske, PA-C</td>
<td><em>(survivorship care)</em></td>
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<tr>
<td>11:15am – 12:15pm</td>
<td>Question and Answer – All Panelists</td>
<td><em>(question and answer)</em></td>
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<td>11:55am – 12:15pm</td>
<td>Reception</td>
<td><em>(reception)</em></td>
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#### Description

The inaugural APP program is the society’s tribute to the fundamental role APPs have within the multidisciplinary care team and the contributions of allied health personnel in general to the betterment of head and neck cancer care. This year’s meeting focuses on survivorship through quality and innovation and the APP program will aim to address this theme. Come join us in Chicago, meet colleagues, expand your knowledge, identify opportunities for professional advancement and collaboration.

#### Learning Objectives

At the conclusion of this session, attendees will be able to:
- Run a survivorship clinic.
- Effectively communicate.
- Manage adverse effects after head and neck surgery.
### CURRENT CONCEPTS IN SPEECH AND SWALLOW MANAGEMENT IN HEAD AND NECK CANCER

**Moderators:** Nishant Agrawal, MD, FACS, Katherine Hutcheson, MD, Dinesh Chhetri, MD, and Rosemary Martino, PhD

#### Schedule & Faculty

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:30am - 9:15am</td>
<td>Rehabilitation of Articulation and Swallowing – Nishant Agrawal, MD, FACS</td>
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<tr>
<td>8:30am - 8:40am</td>
<td>Functional Considerations of Surgical Management – Ryan Li</td>
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<tr>
<td>8:40am - 8:50am</td>
<td>Postsurgical Oral Rehabilitation: Comparing Therapy Models and Integration of Biofeedback – Carly Barbon, PhD</td>
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<td>8:50am - 9:00am</td>
<td>Oral Reconstruction – Jamie Ku, MD, BS</td>
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<td>9:00am - 9:15am</td>
<td>Question and Answer – All Panelists</td>
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<tr>
<td>9:15am - 10:00am</td>
<td>TORS/TOLS for Oropharynx Cancer – Moderated by Katherine Hutcheson, MD</td>
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<tr>
<td>9:15am - 9:20am</td>
<td>Introduction – Katherine Hutcheson, MD</td>
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<td>9:20am - 9:28am</td>
<td>ORATOR – Anthony Nichols, MD, BSc, FACS</td>
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<td>9:28am - 9:36am</td>
<td>TOLS (v TORS) functional implications and PATHOS – Bruce Haughey, MBChB FACS FRACS</td>
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<td>9:36am - 9:44am</td>
<td>Patient Selection for Optimal post-TORS Function – Neil Gross, MD, FACS</td>
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<td>9:44am - 10:00am</td>
<td>Question and Answer – All Panelists</td>
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<tr>
<td>10:00am - 10:45am</td>
<td>Larynx: Optimizing Post-Laryngectomy Function – Case Based Recon, Patient Selection, Prosthetics/TEP Procedures – Dinesh Chhetri, MD</td>
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<tr>
<td>10:00am - 10:45am</td>
<td>Case Presentation – Daniel Deschler, MD, FACS</td>
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<td>10:00am - 10:07am</td>
<td>Case Presentation – Mauricio Moreno, MD</td>
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<td>10:07am - 10:14am</td>
<td>Case Presentation – Barbara Ebersole, BFA, MA, CCC-SLP</td>
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<td>10:14am - 10:21am</td>
<td>Case Presentation – Heather Starmer, MA</td>
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<tr>
<td>10:21am - 10:28am</td>
<td>Case Discussion and Question and Answer – All Panelists</td>
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<tr>
<td>10:28am - 10:45am</td>
<td>Advances in Dysphagia Management – Blitz of Innovations on the Horizon? – Rosemary Martino, PhD</td>
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<tr>
<td>10:45am - 10:53am</td>
<td>Apps – Heather Starmer, MA</td>
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<td>10:53am - 11:01am</td>
<td>Manometry – Timothy Mcculloch, MD</td>
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<td>11:01am - 11:09am</td>
<td>Surgical Innovations – Brandon Baird, MD</td>
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<tr>
<td>11:09am - 11:30am</td>
<td>Question and Answer – All Panelists</td>
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Description

This course will cover current concepts in speech and swallow management in head and neck cancer including:

- Oral cavity cancer, how its treatment can adversely affect speech/articulation and swallowing and reconstructive and rehabilitation strategies to restore function.
- Functional outcomes used at the forefront of clinical decision making and management of oropharyngeal cancer to discuss patient selection, functional outcomes, and speech pathology pathways after transoral surgery.
- The difficulties of management of voice prosthesis and optimal voicing through case presentations and group discussion.
- An introduction to four evidence-based innovations targeting dysphagia that are on the horizon for HNC survivors. Each innovation will be described and briefly demonstrated by the investigator leading its development.

Learning Objectives:

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

- Recognize reconstructive and rehabilitation strategies to restore function.
- Address management of voice prosthesis and optimal voicing.
- Understand innovations targeting dysphagia that are on the horizon for HNC survivors.

11:30am – 11:45am

KARL STORZ

FEES Demonstration

Speaker: Dr. Dinesh Chhetri

This event is is not planned or accredited for CME by the AHNS.

Registration info TBD

11:30am – 12:30pm

INDUSTRY SYMPOSIA – NAVERIS NavDx®

Detection of HPV-Driven Oropharyngeal Squamous Cell Carcinoma: Clinical Evidence of an Innovative Blood Test and Implications for Multidisciplinary Management

Speakers: Dr. Eric Genden, ENT Surgeon at Mount Sinai Hospital and Dr. Glenn Hanna, Oncologist at Dana-Farber Cancer Institute

This event is is not planned or accredited for CME by the AHNS.

Register Here

11:30am – 12:30pm

INDUSTRY SYMPOSIA – MERCK

KEYTRUDA-HEAD AND NECK Personalizing Your Approach With First-Line Treatment Options in R/M HNSCC

Speakers: Kelly Pendergrass, M.D.

This event is is not planned or accredited for CME by the AHNS.

Register Here
12:30pm – 3:40pm

INTERNATIONAL PRIMER COURSE ON ENDOCRINE SURGERY

Moderators: Joseph Scharpf, MD, FACS, Brendan Stack, MD, Gregory Randolph, MD, and David Terris, MD, FACS, FACE
Panelists: Marika Russell, MD, David Shonka, MD, Ayaka Iwata, MD, Michael Singer, Maisie Shindo, MD, Joseph Scharpf, MD, FACS, David Terris, MD, FACS, FACE, Alfred Simental, MD, FACS, Emad Kandil, MBBCh, FACS, Mark Zafereo, MD, Ellie Maghami, MD, David Shonka, MD

Schedule & Speakers

Welcome – Joseph Scharpf, MD, FACS, Brendan Stack, MD, and Gregory Randolph MD 12:30pm -12:35pm

Surgical Anatomy of the Thyroid and Parathyroid Glands – Joseph Scharpf, MD, FACS, FACE 12:30pm -12:55pm

Work Up of a Patient with a Thyroid Nodule – FNA and Molecular Markers – Marika Russell, MD 12:55pm – 1:15pm

Thyroid Carcinoma – Basics of Pathology and NIFTP – David Shonka, MD 1:15pm – 1:35pm

Postoperative Complications Avoidance and Management – Ayaka Iwata, MD 1:35pm – 1:55pm

Break/Discussion 1:55pm – 2:10pm

Parathyroid Anatomy and Physiology – The Essentials – Michael Singer, MD 2:10pm – 2:30pm

Work Up of the Patient with an Elevated Serum Calcium – Maisie Shindo, MD 2:30pm – 2:50pm

Parathyroidectomy – Pearls and Pitfalls – David Terris, MD, FACS, FACE 2:50pm – 3:10pm

Panel: Thyroid /Parathyroid – All Panelists 3:10pm – 3:40pm

Description

Endocrine neck surgery involves a separate knowledge and skill set within head and neck surgery. AHNS member’s practices contain a large and increasing volume of endocrine surgical disease. To serve our AHNS membership we have put together a primer program to cover the field with state of the art presentations by renown AHNS endocrine surgery section faculty that are both expert and diverse. The focus, as a primer, is on the basics of anatomy, related embryology and key surgical maneuvers to optimize surgical care for our thyroid and parathyroid patients.

Learning Objectives

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

• Cover the essential elements of the anatomic and embryologic basis of thyroid and parathyroid surgery.
• Provide the key elements necessary in the preop workup of both thyroid and parathyroid patients prior to surgery.
• Integrate these concepts in case based presentations with audience Q and A input during our Primer Cased based panel.
Cancer Biology Poster Abstracts

(P001) T CELL AND B CELL INFILTRATION OF PRIMARY HEAD AND NECK SQUAMOUS CELL CARCINOMA IS DECREASED IN PATIENTS WITH LOW BODY MASS INDEX AND LOW LYMPH NODE COUNT FROM NECK DISSECTION
Shuqing Chen; Zhuoyu Wen; Doreen Palsgrove; Guanghua Xiao; John Truelson; Larry Myers; Brittny Tillman; Andrew Day; Eli Gordin; Lenka Stankova; Yang Xie; Baran D Sumur; UT Southwestern Medical Center

(P002) NODAL METASTASIS PATTERNS IN CARCINOMA OF THE TEMPORAL BONE
Michael J Ye1; Raghav B Vadhu1; Michael W Sim1; 1Indiana University School of Medicine - Department of Otolaryngology | Head & Neck Surgery; 2Indiana University School of Medicine

(P003) GROWTH INHIBITORY EFFECT OF PHRAD129, A HIGHER ORDER THERAPEUTICS (HOT) DRUG DERIVED FROM CURCUMA LONGA, IN SCCVII HEAD AND NECK CANCER SYNGENEIC MOUSE XENOGRAFT TUMOR MODEL SYSTEM
Daniel S Shin, MD, PhD; Saroj Basak, PhD; Mysore S Veena, PhD; Tien S Dong, MD, PhD; Jonathan P Jacobs, MD, PhD; Chan Jeong, BS; Luis Z Avila, PhD; Eri S Srivatsan, PhD; Marilene B Wang, MD; 1UCLA; 2VA Greater Los Angeles Healthcare System; 3Aveta Biomics, Inc.

(P005) CELL FREE DNA LEVELS ARE ASSOCIATED WITH TUMOR SIZE AND DECREASED SURVIVAL IN PATIENTS WITH ORAL CAVITY CANCER
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(P007) ROLE OF TUMOR-INITIATING CELLS AND ITS FIBROBLAST NICHE IN ORAL CARCINOGENESIS
Gangotri Siddappa, MSc1; Anuradha Arya, PhD1; Manjunath E V, MSc1; Vaishnav Vasudevan, MSc1; Hari P S, MSc1; Nameeta Shah, PhD1; Aditya Chaubey, PhD1; Moni A Kuriakose, MSc, FRCS1; Amritha Suresh, PhD1; Mazumdar Shaw Medical Foundation, Mazumdar Shaw Centre for Translational Research; 1Mazumdar Shaw Medical Centre

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(P011) MTOR INHIBITOR INDUCES AUTOPHAGY AND REDUCES TUMOR VASCULARIZATION TO PREVENT TUMOR GROWTH OF TP53 MUTANT HNSCC
Md Maksudul Alam, PhD; Janmaris Marin Fermin, MD; Channing Dorr, BS; Hillary Savage, BFA; Patrick Spiller, MD; Xiaohua Rong, Tara Moore-Medlin, BS; Caden O Maxwell; Alok R Khandelwal, PhD; Cherie-Ann O Nathan, MD, FACS; Department of Otolaryngology-Head and Neck Surgery, LSU Health-Shreveport, Shreveport, Louisiana, USA.

(P012) MIXED EXTRAGONADAL GERM CELL TUMOR OF THE ADULT LATERAL NECK
Dhruv Sharma, MD1; Khaleed Campo, MD2; Mohamedkazim Alwani, MD1; Sarah Drejet, MD2; Chad Galer, MD1; 1Indiana University Department of Otolaryngology – Head and Neck Surgery; 2University of Colorado Department of Otolaryngology - Head and Neck Surgery; 3University of Utah Department of Otolaryngology - Head and Neck Surgery

(P013) ATAD3A CONFERS MALIGNANT POTENTIAL IN HEAD AND NECK CANCER VIA ITS ATP-BINDING ABILITY
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(P014) DETECTION OF HPV IN SQUAMOUS CELL CARCINOMA IN HEAD AND NECK, OUR FIRST CASES, JANUARY 2014 – OCTOBER 2020. SALUD INTEGRAL HOSPITAL, MANAGUA, NICARAGUA .
Francisco Medrano, Head Neck Surgeon1; Carmen Quezada, Pathologist1; Guillermo Carmona, Surgeon1; Roger Matus, Radiologist2; Roger Padilla, Facial Maxilo Surgeon1; 1Salud Integral Hospital; 2X Ray Center

(P015) BETA SPECTRIN STAINING IS ASSOCIATED WITH HIGHER RISK OF RECURRENT DISEASE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA (OTSCC)
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Nayel Khan1; Suman Chatterjee1; Eric Huang1; Avani Vyas1; Gang Wu2; Vlad Sandulache2; Timothy Burns3; Umamaheswar Duvvuri1; 1Dept of Otolaryngology, UPMC; 2Bobby R. Alford Department of Otolaryngology, BCM; 3Dept of Medicine, Division of Hematology/Oncology, UPCI
(P017) CHARACTERIZATION OF THE TRANSCRIPTOME OF THE ADENOID CYSTIC CARCINOMA PATIENT-DERIVED XENOGRAFT
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Vaishnav Vasudevan1; Hari P S2; Sumsum P Sunny3; Vijay Pillai3; Vivek Shetty3; Vidya Bhushan3; Narayana Subramaniam3; Nameeta Shah3; Moni A Kuriakose3; Amritha Suresh3; 1Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Medical Foundation, Narayana Health, Bengaluru, India; 2Neuro-Oncology Program, Mazumdar Shaw Medical Foundation, Narayana Health, Bengaluru, India; 3Head and Neck Oncology, Mazumdar Shaw Medical Center, Narayana Health, Bengaluru, India

(P020) FOXP3+ REGULATORY T CELLS ACCUMULATE DURING ORAL CAVITY SQUAMOUS CELL CANCER PROGRESSION
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(P021) PATTERNS OF DISTANT METASTASIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND THEIR PROGNOSTIC SIGNIFICANCE
Diako Berzenji; Aniel Sewnaik; Stijn Keereweer; Dominiek Monserez; Gerda Verduijn; Esther van Meerten; Hetty Mast; Marc Mureau; Aad van der Lugt; Senada Koljenovic; Robert Jan Baatenburg de Jong; Jose Hardillo; Erasmus MC Cancer Institute

(P022) ANALYSIS OF THE SYNERGETIC EFFECT OF AUTOPHAGY INHIBITOR CHLOROQUINE IN COMBINATION WITH CETUXIMAB OR CISPLATIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA CELL LINES
M Bernard; GC Cardin; M Cahuacaz; J Bourbonnais; H Bahig; PF Nguyen-Tan; O Ballivy; E Filion; D Soulieres; T Ayad; L Guertin; E Bissada; F Rodier; A Christopoulos; CRCHUM

(P023) TRANSCRIPTOMIC ANALYSES OF OBESITY-DRIVEN ORAL CANCER PROGRESSION
Peng Li, MD, PhD1; Lixia Zhang, MD, MS1; Zhenning Li, DDS, MD1; Jonathan E Bard, MS1; Jon M Chan, MD2; Keith L Kirkwood, DDS, PhD2; 1Univeristy at Buffalo; 2Roswell Park Comprehensive Cancer Center

(P025) DEPENDENCE OF CELL CYCLE CHECKPOINT PROTEINS IN HPV+ AND HPV- HEAD AND NECK SQUAMOUS CELL CARCINOMA FOLLOWING 4NQO-INDUCED DNA DAMAGE
Gauri Shishodia; Rhodie R Toledo; Emily Zimmerman; Xiaohua Rong; Adam Xiao; Lynn Harrison; Cherie A Nathan; LSU Health Sciences Center

(P026) APOBEC MUTAGENESIS IS CONCORDANT BETWEEN TUMOR AND VIRAL GENOMES IN HPV POSITIVE HEAD AND NECK SQUAMOUS CELL CARCINOMA
Daniel L Faden1; Maoxuan Lin1; Krystle A Lang Kuhs3; Jim Lewis4; Micheal Lawrence4; Lisa Mirabello4; Robert L Ferris4; 1Mass. Eye and Ear, Harvard Medical School; 2University of Kentucky; 3Vanderbilt Medical Center; 4Mass. General Hospital, Harvard Medical School; 5NCI/NIH; 6University of Pittsburgh Medical Center

(P028) THE IMPACT OF HISTOPATHOLOGIC FEATURES ON CACHEXIA SEVERITY IN HEAD & NECK CANCER PATIENTS
Alexander J Jones, MD; Leah J Novinger, MD, PhD; Marelle R Ruke, BS; Andrea Bonetto, PhD; Kyle P Davis, BS; Michael G Moore, MD, FACS; Jessica A Yesensky, MD; Indiana University School of Medicine

(P030) ORAL MICROBIOME COMMUNITY COMPOSITION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA: A CASE-CONTROL STUDY
William J Benjamin, MPH1; Kai Wang, PhD2; Katie Zarins, MPH1; Emily Bellille, MS3; Jeremy M G Taylor, PhD2; Samara Rifkin, MD4; Maureen Sartor5; Laura S Rozek; 1Department of Environmental Health Sciences, University of Michigan, Ann Arbor, MI, USA; 2Department of Computational Medicine and Bioinformatics, University of Michigan Medical School, Ann Arbor, MI, USA; 3Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; 4Department of Gastroenterology, University of Michigan, Ann Arbor, MI, USA
(P031) INCREASED TUMOR EXOSOME PRODUCTION MAY CONTRIBUTE TO ORAL CAVITY IMMUNE EVASION
Subin Surendran, PhD1; Andrew Tu, MS1; William J Magner, PhD1; S. Lynn Sigurdson, PhD1; Michael R Markiewicz, MD, DDS, MPH1; Mihai Merzianu, MD1; Vishal Gupta, MD1; Kimberly Wooten, MD1; Jon Chan, MD1; Amritha Suresh, PhD2; Moni A Kuriakose, MD2; 1Roswell Park Comprehensive Cancer Center; 2Mazumdar Shaw Medical Center-Roswell Park Collaboration Program

(P032) MARCH6 PROMOTES PAPILLARY THYROID CANCER DEVELOPMENT BY DESTABILIZING DHX9
Yang Liu, MD1; Siyuan Xu; Ying Huang, MD; Shaoyan Liu; Zhengang Xu; Jie Liu, MD; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P033) THE RS6942067 GG GENOTYPE IS ASSOCIATED WITH A WORSE OVERALL SURVIVAL IN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND WITH N+ PATIENTS EITHER UNDER 42 YEARS OLD OR NON-SMOKING HPV NEGATIVE
Guillaume B. Cardin1; Monique Bernard1; Jessica Bourbonnais1; Houda Bahig1; Felix-Phuc Nguyen-Tan2; Edith Filion2; Denis Soulières2; Daniëlle Charpentier2; Olguta Gologan2; Tarek Ayad3; Louis Guertin3; Eric Bissada4; Jean-Claude Tabet5; Francis Rodier6; Apostolos Christopoulos7; 1Centre de Recherche du Centre Hospitalier de l’Université de Montréal; 2Department of Oncology, Rush University Medical Center; 3Department of Internal Medicine - Medical Oncology, Rush University Medical Center; 4Department of Radiation Oncology, Rush University Medical Center

(P034) THE SPECTRUM OF TUMOR MUTATIONAL BURDEN IN A HEAD AND NECK CANCER COHORT
Thomas Houser, BS1; Jacob Friedman, MD1; Michael Jelinek, MD1; Mary Jo Fidler, MD2; Nikhil Joshi, MD1; Kerstin Stenson, MD1; Mihir Bhayani, MD1; Samer Al-Khudari1; 1Department of Otorhinolaryngology - Head and Neck Surgery, Rush University Medical Center; 2Department of Radiation Oncology, Rush University Medical Center

(P035) EFFECT OF OPIOID RECEPTOR ACTIVATION AND BLOCKAGE ON THE PROGRESSION AND RESPONSE TO TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Lirit Levi, MD1; Hagit Shoffel-Havakuk, MD, PhD1; Elad Hikri, MD, PhD1; Avraham Dayan1; Aron Popovtzer1; Gideon Bachar1; Aviram Mizrachi1; 1Department of Otorhinolaryngology - Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel; 2Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; 3Institute of Oncology, Hadassah Medical Center and the Hebrew University, Jerusalem, Israel

(P037) IDO1 AND CXCL11 MRNA GENE EXPRESSIONS, ADJUSTED FOR TP 53 GENOMIC ABERRATIONS AND PD1/PDL1 MRNA GENE EXPRESSIONS, ARE PROGNOSTIC IN PATIENTS WITH STAGE III-IVB HPV-NEGATIVE HNSCC
Evan M De Joya, BS; Stuart E Samuels, MD, PhD; Gregory A Azzam, MD, PhD; Laura M Freedman, MD; Susan H Blanton, PhD; Cesar A Perez, MD; Zouka A Sargi, MD, MPH; Michael Samuels, MD; Ruben Carmona, MD, MAS; University of Miami, Miller School of Medicine

(P038) NY-ESO-1 EXPRESSION IN ORAL PRE-MALIGNANT AND MALIGNANT LESIONS
William J Magner, PhD1; Subin Surendran, PhD1; Vishal Gupta, MD1; Kimberly Wooten, MD; Ryan P McSpadden, MD1; Jon Chan, MD1; S. Lynn Sigurdson, PhD1; Mihai Merzianu, MD1; Wesley L Hicks Jr, DDS, MD1; Adekunle O Odunsi, MD, PhD1; Moni A Kuriakose2; Amritha Suresh, PhD2; 1Roswell Park Comprehensive Cancer Center; 2Mazumdar Shaw Medical Center-Roswell Park Collaboration Program, Bangalore India

(P039) ACTIN-ASSOCIATED GENE EXPRESSION IS ASSOCIATED WITH EARLY REGIONAL METASTASIS OF TONGUE CANCER.
Young Kang, MD1; Doh Young Lee, MD2; Dong Wook Lee, MD, PhD; 1Department of Otorhinolaryngology Head and Neck Surgery, Chungbuk National University College of Medicine, Chungbuk National University Hospital, Cheongju, Republic of Korea; 2Department of Otorhinolaryngology Head and Neck Surgery, Seoul Nation University Boramae Medical Center, Seoul, South Korea

(P040) NOVEL ANAPLASTIC THYROID CANCER PATIENT-DERIVED XENOGRAFT MODELS AND CELL LINES: EXPANDING THE MOLECULAR DIVERSITY OF IN VITRO AND IN VIVO MODELS
Anastasios Maniakas, MD, MSc1; Ying C Henderson, MD, PhD2; Hu Hei, MD, PhD; Shaohua Peng, PhD2; Yunyun Chen, PhD2; Yujie Jiang, BS2; Shuangxi Ji, PhD2; Maria Cardenas, BA3; Yulun Chiu, PhD2; Diana Bell, MD3; Michelle D Williams, MD3; Marie-Claude Hofmann, PhD4; Steve E Scherer, PhD5; David A Wheeler, PhD5; Naiia L Busaidy, MD5; Ramona Dadu, MD5; Jennifer R Wang, MD, MSc2; Maria E Cabanillas, MD2; Maria A Varetto, MD2; Faye M Johnson, MD, PhD2; Stephen Y Lai, MD, PhD2; 1Université de Montréal - Hôpital Maisonneuve-Rosemont; 2MD Anderson Cancer Center; 3MD Anderson Cancer Center; 4Baylor College of Medicine

(P041) NOVEL MEDIATORS OF THE P63-DRIVEN ONCOGENIC PROCESSES IN SQUAMOUS CELL CARCINOMA
Alexandra Glathar; Akinsola Oyelakin; Christian Gluck, MD, PhD; Satrajit Sinha, PhD; University at Buffalo
(P042) FEASIBILITY OF SALIVA TESTING USING METHYLATED MICRORNAS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA RECURRENCE
Yue Qiu, MD; Wafik Sedhom, MD; Derek Smith; Francis Hall, MD; Vivian Wu, MD; Ling Lu, PhD; Elyse Handley; Dexiang Gao, PhD; Sophia Bornstein, MD, PhD; Neil Gross, MD; Brian Harry, MD, PhD; Jose Zavallas, MD; John Song, MD; Shi-Long Lu, MD, PhD; 1University of Colorado; 2Oregon Health and Science University; 3MD Anderson Cancer Center; 4Washington University

(P043) ROLE OF AXL AND EPITHELIAL-MESENCHYMAL TRANSITION IN CLASSIC AND MIXED VARIANTS OF ANAPLASTIC THYROID CANCER
Hannah J Young, BS; Rebecca R Pharaon, BA; Kimberly-Jane C Bonjoc, BS; Feras Ally, MD; Holly Yin, PhD; Robert Kang, MD; Thomas Gernen, MD; Ellie Maghami, MD; Ammar Chaudhry, MD; 1University of Utah; 2City of Hope National Medical Center

(P044) TARGETING TUMOR METABOLISM THROUGH LACTATE DEHYDROGENASE A INHIBITS TUMOR PROGRESSION IN ANAPLASTIC THYROID CANCER XENOGRAFTS
Yunyun Chen, PhD; Meng Cui, MD, PhD; Xiangdong Le, MS; Joshua S Niedzielski, PhD; Anastasios Maniakas, MD, MSc; Ying C Henderson, MD, PhD; Jim Bankson, PhD; Vlad Sandulache, MD, PhD; Stephen Y Lai, MD, PhD; 1Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; 2Department of Imaging Physics, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; 3Department of Otolaryngology - Head and Neck Surgery, Baylor College of Medicine, Houston, TX, USA

(P047) EVALUATION OF APOPTOSIS SIGNALING IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) DEMONSTRATES DEPENDENCE ON BCL-FAMILY PRO-SURVIVAL MOLECULES
Daniel Li; Andrea Lopez, PhD; Denis Reyna, PhD; Carlos Thomas; Nitisha Shrivastava, PhD; Cory Fulcher, MD; Michael BPrystowsky, MD, PhD; Evripidis Gavathiotis, PhD; Thomas J Ow, MD, MS; 1 Albert Einstein College of Medicine, Department of Pathology; 2 Albert Einstein College of Medicine, Department of Biochemistry; 3 Montefiore Medical Center, Department of Otorhinolaryngology-Head and Neck Surgery

(P049) UNCOVERING ANATOMICAL SUBSITE SPECIFIC TRANSCRIPTIONAL NETWORKS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Christian Gluck, PhD; Michael R Markiewicz, MD, DDS, MPH; Amritha Suresh, PhD; Moni A Kuriakose, MD; William JMagner, PhD; Lynn Sigurdson; Ryan P McSpadden, MD; Anurag K Singh, MD; Satrajit Sinha, PhD; Wesley L Hicks, Jr, DDS, MD; 1 Roswell Park Comprehensive Cancer Center; 2 Mazumdar Shaw Medical Center- Roswell Park Collaboration Program; 3 University at Buffalo

(P050) METHYLATION AND GENE EXPRESSION DIFFERENCES BETWEEN ASC/TMS1 AND MYD88 GENES IN HEALTHY AND CANCER LARYNGEAL TISSUE
Mario Bilic; Lana Kovac Bilic; Jelena Knezevic; Maja Sutic; 1 University Hospital Center Zagreb, Croatia; 2 Ruder Boskovic Institute Zagreb, Croatia

(P052) ACETYL ISOGAMBOGIC ACID INDUCES ER STRESS AND CELL DEATH IN ORAL CAVITY CANCER CELLS
Yue Xi, PhD; Chester Gauss; Mehrnoosh Ghafouri AbbasAbadi; Thomas Jetmore, MD; William Mason; Andrew Fribley; Wayne State University

(P053) EXTENSIVE RESECTION OF NEWLY REPLICATED DNA IN IRRADIATED HPV-POSITIVE HNSCC CELL LINES
Christian S Betz; Janine Burmester; Malte Kriegs; Sabrina Christiansen; Kai Rothkamm; Thorsten Rieckmann; University Medical Center Hamburg-Eppendorf

(P054) THERAPEUTIC TARGETING OF GLUTAMINOLYSIS AND MITOCHONDRIAL TCA CYCLE IN HEAD AND NECK CANCER
Yong Teng; LW Lang; R Loveless; LL He; Chloe Shay; 1 Emory University; 2 Augusta University

Education / Care Delivery Poster Abstracts

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Subin Surendran, PhD1; Andrew Tu, MS1; Usama Aboelkheir, MD1; William J Magner, PhD1; S. Lynn Sigurdson, PhD1; Michael R Markiewicz, MD, DDS, MPH1; Wesley L Hicks, Jr, DDS, MD1; Amritha Suresh, PhD2; Mihai Merzianu, MD1; Kimberly Wooten, MD1; Moni A Kuriakose1; 1Roswell Park Comprehensive Cancer Center; 2Mazumdar Shaw Medical Center- Roswell Park Collaboration Program

(P021) PATTERNS OF DISTANT METASTASIS IN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND THEIR PROGNOSTIC SIGNIFICANCE
Diako Berzenji; Aniel Sewnaik; Stijn Keereweer; Dominiek Monserez; Gerda Verduijn; Esther van Meerten; Hetty Mast; Marc Mureau; Aad van der Lugt; Senada Koljenovic; Robert Jan Baatenburg de Jong; Jose Hardillo; Erasmus MC Cancer Institute

(P022) ANALYSIS OF THE SYNERGETIC EFFECT OF AUTOPIHGY INHIBITOR CHLOROQUINE IN COMBINATION WITH CETUXIMAB OR CISPLATIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA CELL LINES
M Bernard; GC Cardin; M Cahuzac; J Bourbonnais; H Bahig; PF Nguyen-Tan; O Ballivy; E Filion; D Soulieres; T Ayad; L Guertin; E Bissada; F Rodier; A Christopoulos; CRCHUM

(P023) TRANSCRIPTOMIC ANALYSES OF OBESITY-DRIVEN ORAL CANCER PROGRESSION
Peng Li, MD, PhD; Lixia Zhang, MD, MS; Zhenning Li, DDS, MD; Jonathan E Bard, MS; Jon M Chan, MD2; Keith L Kirkwood, DDS, PhD; 1Univeristy at Buffalo; 2Roswell Park Comprehensive Cancer Center

(P025) DEPENDENCE OF CELL CYCLE CHECKPOINT PROTEINS IN HPV+ AND HPV- HEAD AND NECK SQUAMOUS CELL CARCINOMA CELLS FOLLOWING 4NQO-INDUCED DNA DAMAGE
Gauri Shishodia; Rhodie R Toledo; Emily Zimmerman; Xiaohua Rong; Adam Xiao; Lynn Harrison; Cherie A Nathan; LSU Health Sciences Center

(P026) APOBEC MUTAGENESIS IS CONCORDANT BETWEEN TUMOR AND VIRAL GENOMES IN HPV POSITIVE HEAD AND NECK SQUAMOUS CELL CARCINOMA
Daniel L Faden1; Maoxuan Lin1; Krystle A Lang Kuhs2; Jim Lewis3; Micheal Lawrence4; Lisa Mirabello5; Robert L Ferris6; 1Mass. Eye and Ear, Harvard Medical School; 2University of Kentucky; 3Vanderbilt Medical Center; 4Mass. General Hospital, Harvard Medical School; 5NCI/NIH; 6University of Pittsburgh Medical Center

(P028) THE IMPACT OF HISTOPATHOLOGIC FEATURES ON CACHEXIA SEVERITY IN HEAD & NECK CANCER PATIENTS
Alexander J Jones, MD; Leah J Novinguer, MD, PhD; Marelle R Ruie, BS; Andrea Bonetto, PhD; Kyle P Davis, BS; Michael G Moore, MD, FACs; Jessica A Yesensky, MD; Indiana University School of Medicine

(P030) ORAL MICROBIOME COMMUNITY COMPOSITION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA: A CASE-CONTROL STUDY
William J Benjamin, MPH; Kawi Wang, PhD; Katie Zarins, MPH; Emily Bellile, MS; Jeremy M G Taylor, PhD; Samara Rifkin, MD; Maureen Sartor; Laura S Rozek; 1Department of Environmental Health Sciences, University of Michigan, Ann Arbor, MI, USA; 2Department of Computational Medicine and Bioinformatics, University of Michigan Medical School, Ann Arbor, MI, USA; 3Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; 4Department of Gastroenterology, University of Michigan, Ann Arbor, MI, USA

(P031) INCREASED TUMOR EXOSOME PRODUCTION MAY CONTRIBUTE TO ORAL CAVITY IMMUNE EVASION
Subin Surendran, PhD; Andrew Tu, MS; William J Magner, PhD; S. Lynn Sigurdson, PhD; Michael R Markiewicz, MD, DDS, MPH; Mihai Merzianu, MD; Vishal Gupta, MD; Kimberly Wooten, MD; Jon Chan, MD; Amritha Suresh, PhD; Moni A Kuriakose, MD; 1Roswell Park Comprehensive Cancer Center; 2Mazumdar Shaw Medical Center- Roswell Park Collaboration Program
(P032) MARCH6 PROMOTES PAPILLARY THYROID CANCER DEVELOPMENT BY DESTABILIZING DHX9
Yang Liu, MD; Siyuan Xu; Ying Huang, MD; Shaoyan Liu; Zhengang Xu; Jie Liu, MD; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P033) THE RS6942067 GG GENOTYPE IS ASSOCIATED WITH A WORSE OVERALL SURVIVAL IN HEAD AND NECK SQUAMOUS CELL CARCINOMA AND WITH N+ PATIENTS EITHER UNDER 42 YEARS OLD OR NON-SMOKING HPV NEGATIVE
Guillaume B. Cardin1; Monique Bernard1; Jessica Bourbonnais1; Houda Bahig2; Felix-Phuc Nguyen-Tan2; Edith Filion2; Denis Soulieres2; Danielle Charpentier2; Olguta Gologan2; Tarek Ayad2; Louis Guertin2; Eric Bissada2; Jean-Claude Tabet2; Francis Rodier1; Apostolos Christopoulos1; 1Centre de Recherche du Centre Hospitalier de l’Université de Montréal; 2Centre hospitalier de l’Université de Montréal

(P034) THE SPECTRUM OF TUMOR MUTATIONAL BURDEN IN A HEAD AND NECK CANCER COHORT
Thomas Houser, BS1; Jacob Friedman, MD1; Michael Jelinek, MD2; Mary Jo Fidler, MD2; Nikhil Joshi, MD2; Kerstin Stenson, MD1; Mihir Bhayani, MD, 1; Samer Al-Khudari1; 1Department of Otorhinolaryngology - Head and Neck Surgery, Rush University Medical Center; 2Department of Internal Medicine - Medical Oncology, Rush University Medical Center; 2Department of Radiation Oncology, Rush University Medical Center

(P035) EFFECT OF OPIOID RECEPTOR ACTIVATION AND BLOCKAGE ON THE PROGRESSION AND RESPONSE TO TREATMENT OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Lirit Levi, MD1; Hagit Shoffel-Havakuk, MD1; Elad Hikri, MD, PHD2; Avraham Dayan1; Aron Popovtzer1; Gideon Bachar1; Aviram Mizrachi1; 1Department of Otorhinolaryngology - Head and Neck Surgery, Rabin Medical Center, Petach Tikva, Israel; 2Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; 3Institute of Oncology, Hadassah Medical Center and the Hebrew University, Jerusalem, Israel

(P037) IDO1 AND CXCL11 MRNA GENE EXPRESSIONS, ADJUSTED FOR TP53 GENOMIC ABERRATIONS AND PD1/ PDL1 MRNA GENE EXPRESSIONS, ARE PROGNOSTIC IN PATIENTS WITH STAGE III-IVB HPV-NEGATIVE HNSCC
Evan M De Joya, BS; Stuart E Samuels, MD, PhD; Gregory A Azzam, MD, PhD; Laura M Freedman, MD; Susan H Blanton, PhD; Cesar A Perez, MD; Ruben Carmona, MD, MAS; University of Miami, Miller School of Medicine

(P038) NY-ESO-1 EXPRESSION IN ORAL PRE-MALIGNANT AND MALIGNANT LESIONS
William J Magner, PhD1; Subin Surendran, PhD1; Vishal Gupta, MD1; Kimberly Wooten, MD1; Ryan P McSpadden, MD1; Jon Chan, MD1; S. Lynn Sigurdson, PhD1; Mihai Merzianu, MD1; Wesley L Hicks Jr, DDS, MD1; Adekunle O Odunsi, MD, PhD1; Moni A Kuriakose1; Amritha Suresh, PhD2; 1Roswell Park Comprehensive Cancer Center; 1Mazumdar Shaw Medical Center-Roswell Park Collaboration Program, Bangalore India

(P039) ACTIN-ASSOCIATED GENE EXPRESSION IS ASSOCIATED WITH EARLY REGIONAL METASTASIS OF TONGUE CANCER.
Young Kang, MD1; Doh Young Lee, MD2; Dong Wook Lee, MD, PhD1; 1Department of Otorhinolaryngology Head and Neck Surgery, Chungbuk National University College of Medicine, Chungbuk National University Hospital, Cheongju, Republic of Korea; 2Department of Otorhinolaryngology Head and Neck Surgery, Seoul Nation University Boramae Medical Center, Seoul, South Korea

(P040) NOVEL ANAPLASTIC THYROID CANCER PATIENT-DERIVED XENOGRAFT MODELS AND CELL LINES: EXPANDING THE MOLECULAR DIVERSITY OF IN VITRO AND IN VIVO MODELS
Anastasios Maniakas, MD, MSc1; Ying C Henderson, MD, PhD2; Hu Hei, MD2; Shaohua Peng, PhD2; Yunyun Chen, PhD2; Yujie Jiang, BS2; Shuangxi Ji, PhD2; Maria Cardenas, BA3; Yulun Chiu, PhD2; Diana Bell, MD2; Michelle D Williams, MD2; Marie-Claude Hofmann, PhD2; Steve E Scherer, PhD2; David A Wheeler, PhD2; Naifa L Busaidy, MD2; Ramona Dadu, MD2; Jennifer R Wang, MD, MSc2; Maria C Cabanillas, MD2; Mark Zafereo, MD2; Faye M Johnson, MD, PhD2; Stephen Y Lai, MD, PhD2; 1Université de Montréal - Hôpital Maisonneuve-Rosemont; 2MD Anderson Cancer Center; 3Baylor College of Medicine

(P041) NOVEL MEDIATORS OF THE P63-DRIVEN ONCOGENIC PROCESSES IN SQUAMOUS CELL CARCINOMA
Alexandra Glathe; Akinsola Oyelakin; Christian Gluck, MD, PhD; Satrajit Sinha, PhD; University at Buffalo
(P042) FEASIBILITY OF SALIVA TESTING USING METHYLATED MICRORNAS FOR HEAD AND NECK SQUAMOUS CELL CARCINOMA RECURRENCE
Yue Qiu, MD; Wafik Sedhom, MD; Derek Smith; Francis Hall, MD; Vivian Wu, MD; Ling Lu, PhD; Elyse Handley; Dexiang Gao, PhD; Sophia Bornstein, MD, PhD; Neil Gross, MD; Brian Harry, MD, PhD; Jose Zevallos, MD; John Song, MD; Shi-Long Lu, MD, PhD; 1University of Colorado; 2Oregon Health and Science University; 3MD Anderson Cancer Center; 4Washington University

(P043) ROLE OF AXL AND EPITHELIAL-MESENCHYMYAL TRANSITION IN CLASSIC AND MIXED VARIANTS OF ANAPLASTIC THYROID CANCER
Hannah J Young, BS; Rebecca R Pharaon, BA; Kimberly Jane C Bonjoc, BS; Kimberley-Jane C Bonjoc, BS; Feras Ally, MD; Holly Yin, PhD; Robert Kang, MD; Thomas Gerton, MD; Ellie Maghami, MD; Ammar Chaudhry, MD; 1University of Utah; 2City of Hope National Medical Center

(P044) TARGETING TUMOR METABOLISM THROUGH LACTATE DEHYDROGENASE A INHIBITS TUMOR PROGRESSION IN ANAPLASTIC THYROID CANCER XENOGRAFTS
Yunyun Chen, PhD; Meng Cui, MD, PhD; Xiangdong Le, MS; Joshua S Niedzielski, PhD; Anastasios Maniakas, MD, MSc; Ying C Henderson, MD, PhD; Jim Bankson, PhD; Vlad Sandulache, MD, PhD; Stephen Y Lai, MD, PhD; 1Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; 2Department of Imaging Physics, The University of Texas MD Anderson Cancer Center, Houston, TX, USA; 3Department of Otolaryngology - Head and Neck Surgery, Baylor College of Medicine, Houston, TX, USA

(P047) EVALUATION OF APOPTOSIS SIGNALING IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) DEMONSTRATES DEPENDENCE ON BCL-FAMILY PRO-SURVIVAL MOLECULES
Daniel Li; Andrea Lopez, PhD; Denis Reyna, PhD; Carlos Thomas; Nitisha Shrivastava, PhD; Cory Fulcher, MD; Michael B Prystowsky, MD, PhD; Evripidis Gavathiotis, PhD; Thomas J Ow, MD, MS; 1Albert Einstein College of Medicine, Department of Pathology; 2Albert Einstein College of Medicine, Department of Biochemistry; 3Montefiore Medical Center, Department of Otorhinolaryngology-Head and Neck Surgery

(P049) UNCOVERING ANATOMICAL SUBSITE SPECIFIC TRANSCRIPTIONAL NETWORKS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Christian Gluck, PhD; Michael R Markiewicz, MD, DDS, MPH; Arintha Suresh, PhD; Moni A Kuriakose, MD; William J Magner, PhD; Lynn Sigurdson; Ryan P McSpadden, MD; Anurag K Singh, MD; Satrajit Sinha, PhD; Wesley L Hicks, Jr, DDS, MD; 1Roswell Park Comprehensive Cancer Center; 2Mazumdar Shaw Medical Center- Roswell Park Collaboration Program; 3University at Buffalo

(P050) METHYLATION AND GENE EXPRESSION DIFFERENCES BETWEEN ASC/TMS1 AND MYD88 GENES IN HEALTHY AND CANCER LARYNGEAL TISSUE
Mario Bilic; Lana Kovac Bilic; Jelena Knezevic; Maja Sutic; 1University Hospital Center Zagreb, Croatia; 2Ruder Boskovic Institute Zagreb, Croatia

(P052) ACETYL ISOGAMBOGIC ACID INDUCES ER STRESS AND CELL DEATH IN ORAL CAVITY CANCER CELLS
Yue Xi, PhD; Chester Gauss; Mehnoosh Ghasouri AbbasAbadi; Thomas Jetmore, MD; William Mason; Andrew Fribley; Wayne State University

(P053) EXTENSIVE RESECTON OF NEWLY REPLICATED DNA IN IRRADIATED HPV-POSITIVE HNSCC CELL LINES
Christian S Betz; Janine Burmester; Malte Kriegs; Sabrina Christiansen; Kai Rothkamm; Thorsten Rieckmann; University Medical Center Hamburg-Eppendorf

(P054) THERAPEUTIC TARGETING OF GLUTAMINOLYSIS AND MITOCHONDRIAL TCA CYCLE IN HEAD AND NECK CANCER
Yong Teng; LW Lang; R Loveless; LL He; Chloe Shay; 1Emory University; 2Augusta University

Endocrine Surgery Poster Abstracts

(P124) SURGERY FOR SPONTANEOUS THYROID HEMORRHAGE IN A PATIENT ON DUAL ANTIPLATELET THERAPY FOR RECENT PLACEMENT OF DRUG ELUTING STENT
Murad Lala, Dr; Madhuri Sudhakar, Dr; Joseph Monteiro, Dr; Rajesh Rajani, Dr; PD Hinduja National Hospital & Research Centre
(P125) SONOGRAPHIC RISK STRATIFICATION AND FINE-NEEDLE ASPIRATION BIOPSY IN INDETERMINATE THYROID NODULES: A SYSTEMATIC REVIEW AND META-ANALYSIS OF DIAGNOSTIC TEST ACCURACY
Phillip Staibano, MSc, MD; David Forner, MD; Christopher W Noel, MD; Han Zhang, MD, FRCSI; Michael Gupta; Eric Monteiro, MD, FRCSI; Anna Sawka, MD, PhD; Jesse D Pasternak; David Goldstein; John R de Almeida, MD, MSc, FRCSI; 1McMaster University; 2University of Toronto

(P126) INVASIVE THYROID CANCER: A NOVEL CLASSIFICATION SYSTEM TO STANDARDIZE REPORTING, IMPROVE STRATIFICATION AND FACILITATE OUTCOMES ANALYSIS
Mark Urken, MD; Mark Zaafereo, MD; Joseph Scharpf, MD; Alex Silberzweig, BA; Maisie Shindo, MD; 1Mount Sinai Health System; 2The University of Texas MD Anderson Cancer Center; 3Cleveland Clinic; 4Oregon Health & Science University

(P128) POST-DISSECTION_THRESHOLDS TO PREDICT VOICE AND VOCAL FOLD FUNCTION AFTER THYROID SURGERY
Susan E Ellsperman, MD; Catherine T Haring, MD; Bruce M Edwards, AuD; Paul R Kilney, PhD; Gregory R Mannarelli, AuD; Melanie A Meloche, AuD; Claire Miller, AuD; Crystal Pitts, AuD; Andrew G Shuman, MD; Matthew E Spector, MD; Andrew J Rosko, MD; University of Michigan Department of Otolaryngology

(P129) RLN PALSY FOLLOWING THYROIDECTOMY – ANALYSIS OF FACTORS AFFECTING NERVE RECOVERY
Ramlia Mohammad, MD; Woo-Jin Jeong, MD, PhD; Gene Huh, MD; Soon-hyeon Ahn, MD, PhD; Jeong-yeon Ji, MD; Seung-hoon Han, MD; Myung-whun Sung; Kwang-hyun Kim, MD; 1Seoul National University Bundang Hospital; 2Seoul National University Hospital Hospital; Bundang Jesaeng Hospital

(P130) ANAPLASTIC TRANSFORMATION OF DIFFERENTIATED THYROID CARCINOMA: A SINGLE INSTITUTION CASE SERIES
Albert Y Han, MD, PhD; Alice C Yu; D A Cronkite, MD; Dipti Sajed, MD, PhD; Maie A St. John, MD, PhD; 1UCLA Health; 2David Geffen School of Medicine at UCLA

(P131) EARLY THYROGLOBULIN AFTER TOTAL THYROIDECTOMY FOR INTERMEDIATE OR HIGH RISK DIFFERENTIATED THYROID CANCER PREDICTS PRE-ABLATION TG VALUES.
Julio Valencia, MD; Jorge Jimenez, MD; Alvaro Sanabria, MD, MSc, PhD; 1Department of Surgery. Universidad de Antioquia. Centro de Excelencia en Cirugía de Cabeza y Cuello. Medellín, Colombia; 2Centro de Excelencia en Cirugía de Cabeza y Cuello. CEXCA. Medellín, Colombia.

(P132) CLINICAL-PATHOLOGICAL CORRELATION IN PATIENTS WITH BETHESDA III REPORT
Jacqueline Diaz, Doctor; Antonio Gomez, Doctor; INCAN

(P133) CALCINOSIS OF THE INTERNAL JUGULAR VEIN: INTERESTING PRESENTATION OF TERTIARY HYPERPARATHYROIDISM
Mona Shete, MD; 1Shete Clinic; 2West Cancer Center

(P134) PREDICTORS OF PERMANENT HYPOPARATHYROIDISM AFTER TOTAL THYROIDECTOMY IN PEDIATRIC PATIENTS
Amit Ritter1; Aviram Mizrachi; Yonatan Reuven; Nir Tsur; Thomas Shpitzer; Gideon Bachar; Roy Hod; 1Rabin Medical Center, Petah Tikva and Sackler Faculty of Medicine, Tel-Aviv University, Israel; 2Schneider Children’s Medical Center, Petah Tikva and Sackler Faculty of Medicine, Tel-Aviv University, Israel

(P135) SELECTING THE OPTIMAL PREOPERATIVE IMAGING FOR DIFFERENTIATED THYROID CANCER SURGERY, A MULTICENTER STUDY
Igor Vainer, MD; Dan Yanin, MD; Narin Carmel Neiderman, MD; Harel Baris; Eyal Robenshtok, MD; Dania Hirsch; Gideon Bachar, MD; Thomas Shpitzer, MD; Gilad Horowitz, MD; Aviram Mizrachi, MD; 1Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel; 2Tel Aviv Medical Center, Tel Aviv, Israel

(P136) LECTIN CYTOMETRY AS AN ADJUNCT TO IMPROVE USG-GUIDED FNAC IN THE DETECTION OF MALIGNANT THYROID NODULES
Una Mohan, MDS; Subin Surendran; Sumsum Sunny, MDS; William Magner; Wesley Hicks Jr; Shivaprasad K S; Kranti Khadilkar; Vidhya Bushan; Vivek Shetty; Narayana Subramaniam; Vijay Pillai; Rekha P R; Rajeshwarie R T; Moni A Kuriakose, MD; Amritha Suresh, PhD; Subramanian Kannan, MD; 1Department of Head and Neck Oncology, Mazumdar Shaw Medical Center, NH Health city, Bangalore, India; 2Department of Head and Neck Surgery, Roswell Park Cancer Institute, Buffalo, New York, USA; 3Department of Endocrinology, Mazumdar Shaw Medical Center, NH Health city, Bangalore, India; 4Department of Pathology, Mazumdar Shaw Medical Center, NH Health city, Bangalore, India; 5DSRG-5, Mazumdar Shaw Center for Translational Research, Mazumdar Shaw Medical Foundation, NH Health city, Bangalore, India
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(P137) OUTCOMES OF OUTPATIENT VS. INPATIENT THYROIDECTOMY IN ONTARIO, CANADA  
Christopher W Noel, MD; Rebecca Griffiths; Jennifer Siu, MD; David Forner, MD, MSc; Antoine Eskander, MD, ScM; University of Toronto

(P138) CONCURRENT LESIONS IN RIGHT MAXILLA AND MANDIBLE DUE TO RIGHT PARATHYROID CARCINOMA  
Shiraz Syed, Dr; Sampan Singh Bist, Dr; Himalayan Institute of Medical Sciences

(P139) EXPANDED USE OF TELEMEDICINE FOR THYROID AND PARATHYROID SURGERY IN THE COVID-19 ERA AND BEYOND  
Roger Boles, BS; Melissa Zheng, MD; Daniel I Kwon, MD; Keck School of Medicine of USC

(P141) DROPLET DIGITAL POLYMERASE CHAIN REACTION TESTING OF RAS, BRAF AND TERT FOR PRE-OPERATIVE MOLECULAR TESTING OF THYROID NODULES  
Brandon R Rosvall, MD; Morris Kostiuk, PhD; Jordana Williams, MD; Ashlee Matkin, MD, MBA; Jeffrey Harris, MD, MHA, FRCS; Hadi Seikaly, MD, MAL, FRCS; Daniel O’Connell, MD, MSc, FRCS; Vincent L Biron, MD, PhD, FRCS; University of Alberta

(P142) STRUCTURAL RECURRENCE IN DIFFERENTIATED THYROID CARCINOMA: IMPORTANCE OF MINIMAL LOCAL INVASION  
Beatriz G Cavalheiro, PhD; Vergilius de Araújo Filho, PhD; Leandro L Matos, PhD; Claudio R Cernea, PhD; Luiz Paulo Kowalski, PhD; ¹Instituto do Câncer do Estado de São Paulo – Hospital das Clínicas of University of São Paulo Medical School; ²University of São Paulo Medical School

(P143) WELL-DIFFERENTIATED THYROID CANCER OUTCOMES WITH BOTH RADIOACTIVE IODINE AND EXTERNAL BEAM RADIATION THERAPY  
Jesse R Qualliotine, MD; Jared Shenson, MD; Arifeen S Rahman, BS; Ryan K Orosco, MD; Julia E Noel, MD; ¹UC San Diego Health; ²Stanford Health Care

(P144) ASSOCIATION OF BETHESDA CATEGORY AND MOLECULAR MUTATION IN PATIENTS UNDERGOING THYROIDECTOMY  
Marco A Mascarella, MD, MSc; Magdalena Peeva, MD; Veronique-Isabelle Forest, MD, MSc; Marc P Puszta, MD; Galit Avior, MD; Michael Tamia, MD; Alex Mlynarek, MD, MSc; Michael P Hier, MD; Richard J Payne, MD, MSc; ¹McGill University; ²Jewish General Hospital; ³Hillel Yaffe Medical Center

(P145) ASSOCIATION BETWEEN HASHIMOTO THYROIDITIS AND CLINICAL OUTCOMES OF PAPILLARY THYROID CANCER  
Siyuan Xu; Xiaxin Qian, MD; Hui Huang, MD; Xiaolei Wang, MD; Shaoyan Liu; Zhengang Xu; Jie Liu; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P147) PREDICTIVE FACTORS OF VOCAL CORD PARALYSIS IN THYROID SURGERY. IS NEUROMONITORING ALWAYS NECESSARY? A COHORT STUDY  
Genival B de Carvalho, PhD; Guilherme R Agno; Leticia R Diamantino; Luiz Felipe Schiaveto; Carlos Henrique Q Forster; Élcio H Shiguemori; Daisy Hirata; Hugo F Kohler; Renan B Lira, PhD; Jose E Mattioli, PhD; Jose Guilherme Vartanian, PhD; Luiz P Kowalski, PhD; ¹A C Camargo Cancer Center; ²Technological Institute of Aeronautics, São José dos Campos, Brazil.

(P148) UTILITY OF PARATHYROID AUTOFLUORESCENCE IN THYROIDECTOMY – A MATCHED PAIR ANALYSIS  
Natarajan Ramalingam, MS, DNB; Vidisha Tulijapurkar, MS; Deepa Nair, MS, DNB; Pankaj Chaturvedi, MS; Kinshuk Chatterjee, MS; Tata Memorial Hospital

(P149) LYMHP NODE RATIO AS A NEGATIVE PROGNOSTIC FACTOR IN PATIENTS WITH PAPILLARY THYROID CARCINOMA  
Joao G Filho, PhD; Franco Novelli, MD; Luis Quiroa; Luiz P Kowalski; A.C. Camargo Cancer Center

(P150) CLINICOPATHOLOGICAL CHARACTERISTICS OF FOLLICULAR AND HURTHLE CELL CARCINOMA  
Danielli Matsuura; Avery Yuan; Laura Wang; Snehal Patel; Michael Tuttle; Bin Xu; Ronald Ghossein; Ian Ganly, MSKCC

(P151) HOW SUPERIOR IS THE TNM 8TH EDITION OVER THE TNM 7TH EDITION IN PREDICTING THE ONCOLOGICAL OUTCOME OF THE DIFFERENTIATED THYROID CANCERS?  
K. Alok Pathak, MD, PhD; Natasha Klemm; Priya Kotecha; Malaz Imam; Suhail Sayed; CancerCare Manitoba
(P152) MALIGNANCY RATES FOR BETHESDA IV THYROID NODULES
Mirko Manojlovic-Kolarski; Michael Au; Andrew Sewell; Christina MacMillan; Jeremy L Freeman; ‘University of Toronto, Department of Otolaryngology - Head and Neck Surgery; ‘University of Toronto, Department of Laboratory Medicine and Pathobiology

(P153) PARATHYROID FAILURE AFTER TOTAL THYROIDECTOMY: A CRITICAL REVIEW
Alistair W Hardy; Ashwini Shenoy; Debabrata Biswas; Luton and Dunstable University Hospital

(P155) VOICE PARAMETERS CHANGE IN DIFFERENT VOCAL CORD MOVEMENT PROGNOSIS OF THYROID SURGERY PATIENTS WITH RECURRENT LARYNGEAL NERVE INJURY
Tzu-Yen Huang, MD; Che-Wei Wu; Kaohsiung Medical University Hospital

(P157) PEDIATRIC THYROID CARCINOMA SCREENING PROTOCOL AT CHILDREN’S CANCER CENTER
Gustavo Rangel, MD; Yousef El-Gohary; Sara Helming; Andrew Murphy; Andrew M Davidoff; Regan Williams; ‘Anthony Sheyn; ‘St.Jude; ‘St.Jude

(P159) CORRELATION OF THE RISK OF RECURRRECE AND DEATH FROM THE WELL DIFFERENTIATED THYROID CANCER WITH THE RESPONSE TO INITIAL THERAPY
K. Alok Pathak, MD, PhD; Suhail Sayed, Head and Neck Surgical Oncology Fellow; Theodor Hendrickson-Rebizant; Priya Kotecha; Natasha Klemm; Malaz Alam; Sheena Graham; CancerCare Manitoba

(P160) ACTIVE SURVEILLANCE IN UNDETERMINED (BETHESDA IV) THYROID NODULES.
Carlos Garcia, MD; Alvaro Sanabria, MD, MSc, PhD; Department of Surgery, Universidad de Antioquia. Centro de Excelencia en Cirugía de Cabeza y Cuello. Medellín, Colombia

(P161) RATE OF THYROID LOBECTOMY FOR WELL-DIFFERENTIATED THYROID CARCINOMA IN VIETNAM
Monica H Bodde; Daniel J Rocke, MD, JD; Huu Pham; Binh Thanh; Russel R Kahlme, MD, MMS; Walter T Lee, MD, MHS; 1Department of Head and Neck Surgery and Communication Sciences, Duke School of Medicine, Durham, NC, USA; 2National ENT Hospital, Hanoi, Vietnam; 3K Hospital, Hanoi, Vietnam

(P162) THORACIC DUCT INJURY DURING NECK DISSECTION - HOW CAN WE BEST MANAGE ON THE TABLE?
O Wakelama; D Biswas; J Hughes; P Kothari; F Vaz; 1Luton & Dunstable University Hospital; 2University College London Hospitals NHS Foundation Trust

(P163) PARSING THE RISING INCIDENCE OF THYROID CANCER – HOW ARE THYROID NODULES BEING FOUND? A MULTINATIONAL, MULTI-INSTITUTIONAL ANALYSIS BY THE AHNS ENDOCRINE SURGERY SECTION COLLABORATIVE
Mirabelle Sahajdevi, MD; Lisa Caulley, MD, MPH; Antoine Eskander, MD, ScM; Jennifer Du; Edel Auh; Alexander Karabachev; Ahmed Amr, MBBC, MMSc; Wilhelmina Conradie; Martin Corsten, MD, FRCS; David Forner, MD, MSc; Bahar Golbon, BHS; Jeffrey C Liu, MD; Lindi Martin; Dorsa Mavedatnia, BMSc; Charles Meltzer, MD; Julia Noel, MD; Jesse Pasternak, MD, MPh; Vishaal Patel, MD; Lars Rolighed, MD, PhD; Arun Sharma, MD, MS; Alice L Tang, MD; Gabriel Taso, MD; Mandakini Venkatramani, MD; Sean M Wrenn, MD; Mark Zafereo, MD; Brendan C Stack Jr., MD; Greg Randolph, MD; Louise Davies, MD, MS; 1Division of Otolaryngology, University of Vermont Medical Center, Burlington, United States; 2Department of Otolaryngology-Head and Neck Surgery, University of Ottawa, Ottawa, Canada; 3Clinical Epidemiology Program, Ottawa Hospital Research Institute, Ottawa, Canada; 4Department of Epidemiology, Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands; 5Department of Otolaryngology - Head and Neck Surgery, Sunnybrook Health Sciences Centre, University of Toronto, Toronto, Canada; 6Institute of Health Policy, Management and Evaluation, University of Toronto, Toronto, Canada; 7Department of Otolaryngology - Head and Neck Surgery, University of Toronto, Toronto, Canada; 8Geisel School of Medicine at Dartmouth, Lebanon, New Hampshire; 9Larner College of Medicine, University of Vermont, Burlington, United States; 10Division of Thyroid and Parathyroid Endocrine Surgery, Department of Otolaryngology, Harvard Medical School, Boston, Massachusetts; 11Division of General Surgery, Department of Surgery, Faculty of Medicine and Health Sciences, Stellenbosch University, Cape Town, South Africa; 12Division of Otolaryngology - Head & Neck Surgery, Dalhousie University, Halifax, Nova Scotia; 13Department of Surgery, University of Toronto, Toronto, Canada; 14Division of Head and Neck Oncologic Surgery, Temple University, Philadelphia, United States; 15Faculty of Medicine, University of Ottawa, Ottawa, Ontario, Canada; 16The Permanente Medical Group, Santa Rosa, United States; 17Department of Otolaryngology-Head and Neck Surgery, School of Medicine, Stanford University, Stanford, United States; 18Department of Otorhinolaryngology, Head and Neck Surgery, Aarhus University Hospital, Aarhus, Denmark; 19Department of Surgery, Southern Illinois University School of Medicine, Springfield, United States; 20Department of Otolaryngology, Head and Neck Surgery, University of Cincinnati College of Medicine, Cincinnati, United States; 21Rush University Medical Center, Department of Surgery, Chicago, Illinois, United States; 22Department of Head and Neck Surgery, The University of Texas MD Anderson Cancer Center, Houston, United States; 23VA Outcomes Group, White River Junction, VT, USA and the Section of Otolaryngology Head & Neck Surgery, Geisel School of Medicine at Dartmouth, Hanover, NH, USA
(P165) NEGATIVE PRESSURE WOUND THERAPY IN THE MANAGEMENT OF THYROIDECTOMY WOUNDS
Yuna Kim, MD; Logan Lee, BS; Robert C Wang, MD, FACS; Allen Young, MD, MPH; Jo-Lawrence Bigcas, MD; UNLV

(P167) RARE SOLITARY FIBROUS TUMOR OF THE THYROID
Brielle R Crovetti, BSA; Kush Maheshwari, BS; David J Hernandez, MD; 1Baylor College of Medicine; 2Baylor College of Medicine Bobby R. Alford Department of Otolaryngology Head and Neck Surgery

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Siuyan Xu, MD; Hui Huang, MD; Shaoyan Liu; Jie Liu, MD; Department of Head and Neck Surgical Oncology, National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College

(P172) PROGNOSIS, INCIDENCE, AND MANAGEMENT OF TALL CELL VARIANT PAPILLARY THYROID CARCINOMA
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Sasan Fazeli, MD; Mark Zafereo, MD; Jennifer R Wang, MD; Jeena Varghese, MD; 1City of Hope Comprehensive Cancer Center; 2MD Anderson Cancer Center

(P180) SEARCHING FOR MOLECULAR CLUES: PAPILLARY THYROID CANCER IN THE STERNOCLEIDOMASTOID MUSCLE
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(P185) SELF-ASSESSEMENT OF PARATHYROID PRESERVATION IN TOTAL THYROIDECTOMY  
Muhammed Shand, MD1; Robert C Wang, MD1; Nathaniel H Reeve, MD1; Jacob B Kahane, MD1; Chad L Cross, PhD1; Annabel E Barber, MD1; 1Department of Otolaryngology-Head & Neck Surgery, University of Nevada, Las Vegas School of Medicine; 2Department of Otolaryngology-Head & Neck Surgery, Louisiana State University School of Medicine; 3Department of Environmental & Occupational Health, University of Nevada, Las Vegas School of Public Health; 4Department of Surgery, University of Nevada, Las Vegas School of Medicine

(P187) SATISFACTION WITH HEAD AND NECK SCAR APPEARANCE IN LATIN AMERICAN PATIENTS. A CROSS-SECTIONAL STUDY  
Santiago Restrepo, MD1; Santiago Rojas, MD1; Alvaro Sanabria, MD, MSc, PhD1; 1Department of Surgery. Universidad de Antioquia. Medellin, Colombia.; 2Department of Surgery. Universidad de Antioquia. Medellin, Colombia

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(P200) RISK FACTORS ASSOCIATED WITH VOCAL CORD DYSFUNCTION IN PATIENTS UNDERGOING THORACIC SURGERY
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(P201) LARYNGECTOMY WITH AND WITHOUT THYROIDECTOMY: DIFFERENCES IN POST-OPERATIVE HYPOCALCEMIA AND MANAGEMENT
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(P203) CORE NEEDLE BIOPSY PROVIDES MORE ACCURATE PRE-SURGICAL ASSESSMENT OF THYROID LESIONS THAN FINE NEEDLE ASPIRATES
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(P204) ABOVE AND BEYOND AGE: PREDICTION OF MAJOR POSTOPERATIVE ADVERSE EVENTS IN HEAD AND NECK SURGERY
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(P205) FINANCIAL TOXICITY IN HEAD AND NECK CANCER.
Catriona M Douglas1; Katrina Hueniken2; Maryam Mirshams 3; Lawson Eng3; Andrew Hope4; Douglas B Chepeha5; David P Goldstein1; Jolie Ringash1; Aaron Hansen1; Rosemary Martino1; Madeline Li1; Geoffrey Liu1; Wei Xu1; John R de Almeida1; Department of Otolaryngology – Head and Neck Surgery, Department of Surgical Oncology, Princess Margaret Cancer Centre, University of Toronto, Toronto, Canada; 2Department of Biostatistics - Princess Margaret Cancer Centre, Toronto, Canada; 3Department of Medical Oncology and Hematology, Princess Margaret Cancer Centre, Toronto, Canada; 4Department of Radiation Oncology - Princess Margaret Cancer Centre, University Health Network, University of Toronto, Toronto, Canada; 5Department of Speech-Language Pathology, University of Toronto and Princess Margaret Cancer Centre, Toronto, Canada; 6Department of Supportive Care, Princess Margaret Cancer Centre, Toronto, Canada; 7Department of Medical Oncology and Hematology, Princess Margaret Cancer Centre, Department of Medicine, University of Toronto, and Department of Epidemiology, Dalla Lana School of Public Health, Toronto, Canada.
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(P207) MANUAL THERAPY FOR HEAD AND NECK CANCER RELATED TRISMUS: A CASE SERIES
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(P209) EVALUATING POSSIBLE RISK AND PROTECTIVE FACTORS RELATED TO HOSPITALIZATIONS OF HEAD AND NECK CANCER PATIENTS
Daniel J Pan1; Jinhong Li2; Alexandra L Harris1; Karley Atchison3; Jacob C Hodges4; Allison Mak4; Jeyani Narayan4; David A Clump5; Jonas T Johnson5; Marci L Nilsen5; 1University of Pittsburgh; 2University of Pittsburgh School of Medicine; 3University of Pittsburgh School of Public Health; 4UPMC Department of Otolaryngology; 5UPMC Wolff Center; 6UPMC Department of Radiation Oncology; 7University of Pittsburgh School of Nursing

(P210) ASSOCIATION BETWEEN DISTANCE TRAVELED FOR ORAL CAVITY CANCER CARE, TREATMENT CHOICES AND OUTCOMES
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(P211) COMPREHENSIVE AND STRUCTURED MULTI-PROFESSIONAL PREOPERATIVE ASSESSMENT AND INFORMATION FOR HEAD AND NECK CANCER PATIENTS IMPROVES POSTOPERATIVE OUTCOME
Roland Giger, MD, Prof1; Manuela Schmid1; Lluis Nisa, MD, PhD1; Simon Mueller, MD1; Maria Schubert, Prof1; Adrian Schubert, MD1; 1Dep. ENT, Head and Neck Surgery, Inselspital, Bern University Hospital, Bern, Switzerland; 2Dep. of Nursing, Inselspital, Bern University Hospital; 3School of Health Professions, Zurich, University of Applied Science, Winterthur, Switzerland

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Marc Levin, MD1; Han Zhang, MD, FRCSC2; Michael K Gupta, MD, FRCSC2; 1University of Toronto; 2McMaster University

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(P217) ASSESSMENT OF QUALITY OF LIFE OF LATIN-AMERICAN PATIENTS WITH THYROID CANCER WITH THE THYCAQOL QUESTIONNAIRE.
Oscar Gomez1; Alvaro Sanabria2; 1Department of Surgery. Universidad de Antioquia. Fundación Colombiana de Cancerología-Clinica Vida. Medellín, Colombia; 2Department of Surgery. Universidad de Antioquia. Medellín, Colombia
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Kimberly Chan, BS; Allison Keane, MD; Melissa Montano, MS, CCCSLP; Erin Kelly, MS, CCCSLP; Yanxu Yang, MPH; Karen Y Choi, MD; Penn State Milton S. Hershey Medical Center

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Ankita Naraparaju; Vikas Mehta, MD; 1Albert Einstein College of Medicine; 2Montefiore Medical Center, Department of Otolaryngology, Head & Neck Surgery

(P220) “THE CLOCK IS TICKING”: EARLY IDENTIFICATION AND TRACKING OF PROGRESSIVE LATE RADIATION EFFECTS IN HEAD AND NECK CANCER PATIENTS IS VITAL TO QUALITY OF PATIENT CARE AND PATIENT SURVIVORSHIP
Marlene C Jacobson, PhD; Sunnybrook Health Sciences Centre - Odette Cancer Centre

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Camil Correia, MD; Dara Adams, MD; Kristine Kuchta, MS; Cheryl Nocon, MD; Mihir Bhayani, MD; 1Northwestern Memorial Feinberg School of Medicine; 2University of Chicago Medicine; 3Northshore University Health System; 4Rush Medical Center

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Mattie Rosi-Schumacher, MD; Shivam Patel, BS; Chandat Phan, BS; Neerav Goyal, MD, MPH, FACS; 1Department of Otolaryngology–Head and Neck Surgery, Jacobs School of Medicine and Biomedical Sciences at the State University of New York at Buffalo; 2Pennsylvania State University College of Medicine; 3Department of Otolaryngology–Head and Neck Surgery, Penn State Health Milton S. Hershey Medical Center

(P223) RETROSPECTIVE ANALYSIS OF POSTOPERATIVE OPIOID PRESCRIPTION AFTER THYROIDECTOMY BEFORE AND AFTER THE PASSING OF FLORIDA HOUSE BILL 21
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(P225) FACTORS AFFECTING NECK DISSECTION LYMPH NODE YIELD IN HEAD AND NECK SQUAMOUS CELL CARCINOMA
Prashanthi Divakar, MD; Mariah M Servos, MD; Christiaan A Rees, MD, PhD; Thomas A Palladino, BA; Joseph Paydarfar, MD; 1Dartmouth Hitchcock Medical Center; 2Geisel School of Medicine

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William Reed, MD, MPH; Nicholas Frisco, BS; Nosa Osazuwa-Peters, MPH, PhD; Oyomoare Osazuwa-Peters, PhD, MS; Duke University

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(P230) PREDICTIVE FACTORS OF BLOOD TRANSFUSION IN MAJOR HEAD AND NECK SURGERY
Dongmin C Kim; Gregory L Barinsky, PharmD; Roman Povolotskiy, MD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School
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Razan Al-Osaimy, MBBS1; Bayan Besharah, MBBS2; Haddad Alkaf, MBBS, ABORLHN3; Sherif Abdelmonim, MS, PhD, FACS, FEBORL；Mohammad Al-Alessa, MBBS, SBORLHN；1UQU; 2NGHA; 3KAMC

(P234) ANALYSIS OF EMR GENERATED QTC INTERVAL PROLONGATION ALERTS IN HEAD AND NECK CANCER PATIENTS
Benjamin A Bleiberg, MD1; Jingsheng Yan2; Hong Zhu, PhD; David EGerber, MD; Saad A Khan, MD; 1Hospital of the University of Pennsylvania; 2University of Texas Southwestern Medical Center; 3Stanford University

(P235) ANALYZING POSTOPERATIVE SWALLOW OUTCOMES IN GLOSSECTOMY PATIENTS
Celeste Kim, BS1; Brenda Capobres Villegas, EdD, CCC-SLP2; Laishyang M Ouyoung, MS, CCC-SLP3; Canan Ipek, PhD; Ottoman K Sinha, MD; 1Keck School of Medicine of the University of Southern California; 2Caruso Department of Otolaryngology - Head and Neck Surgery, Keck School of Medicine of the University of Southern California; 3Keck Medical Center of the University of Southern California; 4Department of Psychology of the University of Southern California

(P236) ASSOCIATION BETWEEN INTRATRACHEAL MANOMETRIC PRESSURES, TRACHEOESOPHAGEAL SPEECH PRODUCTION AND DYSPHAGIA FOLLOWING TOTAL LARYNGECTOMY
Lisa M Evangelista, CSChD; Tess Andrews, MS; Nogah Nativ, PhD; Yuval Nachalon, MD; Maggie Kuhn, MD; Peter Belafsky, MD, PhD; UC Davis Medical Center

(P238) SCREENING TOOLS FOR DEPRESSION IN HEAD AND NECK CANCER PATIENTS: A SCOPING REVIEW
Jeffery Wells, MD; Christopher Pool, MD; Garrett Fiscus, MD; Kevin Lam, BS; Neerav Goyal, MD, MPH; 1Department of Otolaryngology – Head and Neck Surgery, The Pennsylvania State University, College of Medicine, Hershey, Pennsylvania; 2Department of Medicine, University of Connecticut Health Center, Farmington, CT; 3The Pennsylvania State University, College of Medicine, Hershey, PA

(P239) RELEVANCE OF AMERICAN COLLEGE OF SURGEON NSQIP PARTICIPATING HOSPITAL COMPARISONS IN EVALUATING QUALITY AT HEAD AND NECK HEAVY TERTIARY CARE HOSPITALS
Seerat K Poonia, MD; Stephanie Diem, RN; Kendall Tasche, MD; Robert M Brody, MD; Ara A Chalian, MD; Jason G Newman, MD; Karthik Rajasekaran, MD; Rabie M Shanti, MD, DMD; Jason Brant, MD; James Kearney, MD; Steven B Cannady, MD; 1University of Pennsylvania; 2Pennsylvania Hospital; 3Mayo Clinic

(P240) EVALUATING DYSPHAGIA AND XEROSTOMIA OUTCOMES FOLLOWING PRIMARY SURGERY FOR PATIENTS WITH OROPHARYNGEAL CANCER
Mitesh P Mehta, BA; Rebecca Prince, BA; Zeeeshan Butt, PhD; Bryce E Maxwell, HSD; Brittni N Carnes, BA, MS; Urjette A Patel, MD; Katelyn O Stepan, MD; Bharat B Mittal, MD; Sandeep Samant, MD; Northwestern University Feinberg School of Medicine

(P241) ELECTRONIC PATIENT REPORTED OUTCOME MEASURES IN HEAD & NECK CANCER
Jeewanjot S Grewal, MD; Theresa Zatinka, MPH; Amy M Williams, PhD; Steven S Chang, MD; Samantha H Tam, MD, MPH; 1Henry Ford Hospital, Dept. of Otolaryngology, Head & Neck Surgery; 2Henry Ford Hospital, Dept. of Public Health Sciences

(P242) HEALTH INSURANCE STATUS AND RISK OF SUICIDE IN PATIENTS WITH HEAD AND NECK CANCER
Blaine D Smith, MD; Justin M Barnes, MD, MS; Mustafa Bulbul, MD, MPH; Duua Kuziez, BS; Matthew C Simpson, MPH; Eric A Boakye, PhD; Evan Graboyes, MD, MPH; Walter T Lee, MD, MHS; Nosayaba Osazuwa-Peters, BDS, PhD, MPH, CHES; 1Duke University Medical Center; 2St. Louis University School of Medicine; 3West Virginia University Health Science Center; 4Southern Illinois University; 5Medical University of South Carolina

(P243) TRACHEOSTOMY IN COVID-19: A SYSTEMATIC REVIEW OF CLINICAL OUTCOMES AND SARS-COV-2 HEALTHCARE WORKER TRANSMISSION
Phillip Staibano, MSc, MD; Tobial McHugh, MD, FRCSC; Marc Levin, MD; Michael Gupta, MD, FRCSC; Doron Sommer, MD, FRCSC; McMaster University
(P244) THE FIGHT TO SWALLOW: COMPLICATIONS AND RISK FACTORS AFTER TOTAL LARYNGECTOMY REQUIRING ESOPHAGEAL DILATION
Sarah M Sussman, BS1; Ramez Philips, MD1; Alyssa Givens, BS2; Bryan Renslo, BS2; Joseph M Curry, MD1; David M Cognetti, MD1; Adam J Luginbuhl, MD1; 1Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 2Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.

(P245) TEP BOARD: A MULTIDISCIPLINARY APPROACH TO SELECTING OPTIMAL CANDIDATES FOR TRACHEOESOPHAGEAL VOICE PROSTHESIS PUNCTURE
Hannah Cornett, MS, CCCSLP; Susan Thomas, MS, CCCSLP; Meghana Nathan, MS, CCCSLP; Jonathan Waller, MA, CCCSLP; Merry Sebelik, MD; Mark El-Deiry, MD; Harry Michael Baddour, MD; Lauren Ottenstein, MS, CCCSLP; Emory Healthcare

(P246) OVERALL AND DISEASE-SPECIFIC SURVIVAL ASSOCIATED WITH CONSOLIDATED MULTIDISCIPLINARY CARE IN HEAD AND NECK CANCER: A RETROSPECTIVE STUDY
Charles J Meltzer, MD1; Nathalie T Nguyen, MD1; Jie Zhang, PhD2; Jilian Aguilar, RN1; Maruta A Blatchins, BSc; Charles P Quesenberry, PhD2; Yan Wang, MD1; Lori C Sakoda, PhD, MPH1; 1The Permanente Medical Group; 2Kaiser Permanente Division of Research Northern California

(P247) DOES TREATMENT LOCATION MATTER? ELUCIDATING SURVIVAL AND FUNCTIONAL OUTCOMES IN PATIENTS WITH PRIMARY HEAD AND NECK MALIGNANCIES TREATED IN ACADEMIC VS. COMMUNITY SETTINGS
Shivam D Patel, BS1; Karen Y Choi, MD2; Sandeep Pradhan, MBBS, MPH3; Junjia Zhu, MS, PhD3; Samantha H Tam, MD, MPH4; 1Penn State College of Medicine; 2Department of Otolaryngology - Head and Neck Surgery, Rabin Medical Center, Petah Tikva and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; 3Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY, USA; 4Department of Otolaryngology - Head and Neck Surgery, Sheba Medical Center, Tel Hashomer, Israel

(P248) OCCURRENCE OF RADIOLOGIC EVIDENCE OF SINUSITIS FOLLOWING ENDOSCOPIC ENDONASAL SKULL BASE SURGERY: A MULTI-CENTER STUDY
Dan Yaniv, MD1; Stephanie Flukes, MD2; Nir Livneh, MD3; Igor Vainer, MD1; Daniel Spielman, MD2; Ethan Soudry, MD3; Mark Cohen, MD2; Aviram Mizrachi, MD1; 1Department of Otolaryngology - Head and Neck Surgery, Rabin Medical Center, Petah Tikva and Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel; 2Head and Neck Service, Department of Surgery, Memorial Sloan-Kettering Cancer Center, New York, NY, USA; 3Department of Otolaryngology - Head and Neck Surgery, Sheba Medical Center, Tel Hashomer, Israel

(P249) DO MDADI SCORES ASSOCIATE WITH SYMPTOMS BEYOND DYSPHAGIA? A LONGITUDINAL PROSPECTIVE REGISTRY ANALYSIS
Carly E Barbon; Danika D Dirba; Gary B Gunn, MD; David I Rosenthal, BA, MA, MD; Clifton D Fuller, MD, PhD; Neil D Gross, MD; Amy C Moreno, MD; Faye M Johnson, BS, MD, PhD; Katherine A Hutcheson, PHD; The University of Texas MD Anderson Cancer Center

(P250) HEALTH LITERACY ASSOCIATED WITH POOR ADHERENCE TO CLINICAL RECOMMENDATIONS IN HEAD AND NECK CANCER PATIENTS
Randall J Harley; Jonas T Johnson; Karley Atchison; Karen Losego; Kelly Young; Marci L Nilsen; University of Pittsburgh School of Medicine

(P251) HYPOGLOSSAL PALSY IN THE PATHOGENESIS OF LATE-RADIATION ASSOCIATED DYSPHAGIA
Holly McMillian, MCD, CCCSLP, LMP, CLT; Karen Woodman, MD; Carly Barbon, PhD; Clifton D Fuller, MD, PhD; Stephen Y Lai, MD, PhD; Puja Aggarwal, PhD; Sheila Buoy, BS, MPH; Carla Warneke, MS; Kiara Savage, MS; Christine Porsche, MS; Katherine Hutcheson, PhD; The University of Texas MD Anderson Cancer Center

(P252) CHARACTERIZING ADVERSE DETERMINANTS OF SURVIVAL IN HPV-POSITIVE OROPHARYNGEAL CANCER PATIENTS UNDERGOING UNIMODALITY THERAPY: A NATIONAL CANCER DATABASE RETROSPECTIVE COHORT ANALYSIS
Rebecca Lee, MD; Jordan R Salley, BS; Baran Sumer, MD, PhD; Dipan Desai, MD; Alex Yang, MD; Andrew T Day; University of Texas Southwestern Medical Center

(P253) THE PROTECTIVE EFFECT OF ASPIRIN-INDUCED TEMPORARY THRESHOLD SHIFT IN AN ANIMAL MODEL OF CISPLATIN-RELATED OTOTOXICITY
Sharon Tzelnick, Dr1; Aviram Mizrachi, Dr1; Joseph Attias, Prof2; Neta Barkan2; Ohad Hilly, Dr1; 1Department of Otolaryngology – Head and Neck Surgery, Rabin Medical Center, Petah Tikva, Israel; 2Department of Audiology, Schneider Children’s Medical Center, Petah Tikva, Israel
(P254) IMPLEMENTATION OF A MULTIMODAL ANALGESIA PROTOCOL IN HEAD AND NECK FREE TISSUE RECONSTRUCTION TO REDUCE OPIOID USAGE
Maraya M Baumanis; Kevin Sykes; Amit Bhojwani; Charissa Kahue; Andres Bur; Lisa Shnayder; The University of Kansas Medical Center

(P255) GEOGRAPHIC DISPARITIES IN HEAD AND NECK CANCER SURVIVAL IN UPSTATE NEW YORK
Saiganesh Ravikumar, MPH; Nicolas J Casellas, MD; Shalini Shah, BA; Katherine Rieth, MD, MA, MPH; 1University of Rochester School of Medicine; 2Department of Otolaryngology – Head & Neck Surgery, University of Rochester Medical Center

(P257) CLINICAL TRIAL IN DEVELOPMENT: ATORVASTATIN TO REDUCE CISPLATIN-INDUCED HEARING LOSS IN HEAD AND NECK CANCER PATIENTS
Nicole C Schmitt, MD; Katharine Fernandez, AuD, PhD; Shawn D Newlands, MD, PhD; Paul D Allen, PhD; Ranee Mehra, MD; Ronna Hertzano, MD, PhD; Nabil F Saba, MD; William Stokes, MD; Lisa L Cunningham, PhD; 1Winship Cancer Institute at Emory University; 2University of Rochester; 3University of Maryland School of Medicine

(P258) RESPIRATORY-SWALLOW PHASE PATTERNING THAT SIGNALS SWALLOWING IMPAIRMENT IN HEAD AND NECK CANCER PATIENTS
Theresa Hopkins-Rossabi, PhD, CCCSLP; Sandeep Samant, MD; Bonnie Martin-Harris, PhD, CCCSLP; 1Northwestern University; 2Northwestern Memorial Hospital

(P259) SURVIVAL AND TREATMENT OUTCOMES IN HEAD AND NECK SQUAMOUS CELL CARCINOMA PATIENTS WITH PULMONARY OLIGOMETASTASES
Asako Inagawa, BA; Ayan Kumar, MD; S. Hamad Sagheer, BS; David Cognetti, MD; Joseph Curry, MD; Thomas Jefferson University Hospital

(P260) VIDEO CONSULTATION FOR THE PATIENT WITH THYROID DISORDER: PERCEPTIONS OF THE PATIENT AND CLINICIAN
Dylon Peng, BEng; Kaisin Yee, BSc; Johnatton Ho Su An, BSc; Rehena Sultana, MSc Statistics; Mahalakshmi S Rangabashyam, MBBS, MRCSedORL; Natascha Ekawati Putri, MBBS, MMed, FRCSed; Constance Ee Hoon Teo, MBBS, MRCSed, MRMedORL, FAMS; N Gopalakrishna Iyer, MBBS, FRCSed, FAMS, PhD; Hsian Khoon Tan, MBBS, FRCSed, FAMS, PhD; 1Duke-NUS Graduate Medical School; 2Singapore General Hospital; 3Department of Head and Neck Surgery, Division of Surgery and Surgical Oncology, National Cancer Centre Singapore; 4Centre for Quantitative Medicine, Duke-NUS Graduate Medical School, Singapore; 5Department of Otolaryngology, Singapore General Hospital; 6SingHealth Duke-NUS Head and Neck Centre, Singapore General Hospital

(P261) ANALYSIS OF OPIOID AND ADJUNCTIVE MEDICATION PRESCRIPTIONS IN HEAD AND NECK CANCER PATIENTS
Benjamin A Bleiberg, MD; Kyle A Westbrook, MD; Chul Ahn, PhD; Saad A Khan, MD; 1Hospital of the University of Pennsylvania; 2University of Texas Southwestern Medical Center; 3Stanford University

(P262) COST-EFFECTIVENESS OF EMERGENCY DEPARTMENT WORKUP OF NEW HEAD AND NECK CANCER PATIENTS
Zachary Helmen, MD; Yamil Selman, MD; Caralin Schneider; Viraj Shah; Jason Leibowitz, MD; Zoukaa Sargi, MD, MPH; Stuart Samuels, MD, PhD; Elizabeth Nicoll, MD; 1University of Miami Miller School of Medicine; 2Thomas Jefferson University Sidney Kimmel Medical College

(P263) IMPACT OF NECK DISABILITY ON FLOURISHING IN HEAD AND NECK CANCER SURVIVORS
Alexandrea Harris; Daniel Hall, MD; Karley Atchison, MA; Jonas Johnson, MD; Marci Nilsen, PhD, RN; 1University of Pittsburgh School of Medicine; 2Department of Surgery, University of Pittsburgh School of Medicine, Wolff Center at UPMC, Center for Health Equity Research and Promotion, VA Pittsburgh Health System; 3Department of Otolaryngology, University of Pittsburgh School of Medicine

(P265) IMPROVING TIMING METRICS FOR DEFINITIVE SURGICAL MANAGEMENT IN HEAD AND NECK CANCER CARE
Kaylee R Purpura, MD; Jonathan R Mark, MD; Brynn E Sheehan, PhD; Christian Law; Eastern Virginia Medical School

(P266) THE IMPACT OF XEROSTOMIA ON DIET LEVEL AND FEEDING TUBE USE IMMEDIATELY FOLLOWING RADIATION THERAPY FOR HEAD AND NECK CANCER
Mathew B Vansant, PhD; Andrew McWhorter, MD; Melda Kunduk, Ph.D; 1University of Montevallo, Department of Communication Science and Disorders; 2Louisiana State University Health Sciences Center, Department of Otolaryngology-Head and Neck Surgery; 3Louisiana State University, Department of Communication Science and Disorders
(P267) PRE-TREATMENT PAIN IS ASSOCIATED WITH CANCER SITE AND PERIPHERAL NERVE PRESENCE IN PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA
Nicole N Scheff, PhD; Jinhong Li, MS; Mark W Kubik, MD; Seungwon Kim, MD; Marci L Nilsen, PhD, RN; University of Pittsburgh

(P268) IMPLICATIONS OF PROBIOTICS AND MICROBIOME MODULATION FOR TRACHEOESOPHAGEAL VOICE PROSTHESES
Alexandra T Bourdillon, BS1; Heather A Edwards, MD2; 1Yale University School of Medicine; 2Division of Head and Neck Surgery, Department of Otolaryngology - Head and Neck Surgery, Boston University School of Medicine

(P269) FINANCIAL TOXICITY AND HEALTH-RELATED QUALITY OF LIFE AMONG HEAD AND NECK CANCER SURVIVORS
Nicholas R Lenze, MPH1; Jeannette T Bensen, MS, PhD2; Wendell G Yarbrough, MD, MMHC3; Adam M Zanation, MD4; 1University of North Carolina School of Medicine, Department of Otolaryngology/Head & Neck Surgery; 2University of North Carolina, Gillings School of Global Public Health, Department of Epidemiology

(P270) CAREGIVER BURDEN, QUALITY OF LIFE AND DISTRESS AMONG INFORMAL CAREGIVERS OF PATIENTS WITH HEAD AND NECK CANCER: A LONGITUDINAL STUDY
Kira van Hof, MD; Arta Hosseini, MD; Aniel Sewnaik, MD, PhD; Rob Baatenburg de Jong, prof, MD, PhD; Marinella Offerman, PhD; Erasmus Medical Center

(P272) HOW TO MEASURE VELOPHARYNGEAL FUNCTION AFTER TREATMENT OF HEAD AND NECK CANCER? -CORRELATION OF BLOWING TIME RATIO AND HIGH-RESOLUTION MANOMETRY-
Tatsuya Furukawa, MD1; Hirokazu Komatsu, MD2; Hisami Fujio, MD, PhD3; Keisuke Iritani, MD4; Masanori Teshima, MD, PhD5; Hirotaka Shinomiya, MD, PhD5; Ken-ichi Nibu, MD, PhD5; 1Department of Otolaryngology-Head and Neck Surgery, Kobe University Graduate School of Medicine; 2Department of Otorhinolaryngology, Hyogo Prefectural Tamba Medical Center

(P273) ALL OR NONE: RETURN TO REGULAR DIET IS KEY TO QUALITY OF LIFE IN HEAD AND NECK CANCER PATIENTS.
Kaisin Yee, BSc1; Zhengzheng Zhao2; Ngian Chye Tan, MBBS, MMed, FRCSEd, FAMS3; 1Singapore General Hospital; 2Duke-NUS Medical School; 3SingHealth Duke-NUS Head and Neck Centre

(P274) IMPACT OF EARLY POSTOPERATIVE MOBILIZATION IN HEAD AND NECK CANCER PATIENTS
Shaina W Gong, BS; Garren M Low, MS, MD; Ron J Karni, MD; Carolina Gutierrez, MD; Kunal S Jain, MD; Tang Ho, MD; McGovern Medical School

(P275) CLINICIAN ATTITUDES REGARDING CANDIDACY FOR TRACHEOESOPHAGEAL PUNCTURE
Lauren Ottenstein, MS, CCCSLP BCSS1; Merry Sebelik, MD1; Hannah Cornett, MS, CCCSLP1; Mark El-Deiry, MD1; Christina Shipp, MA, CCCSLP2; 1Emory University; 2Atlanta VAMC

(P276) USE OF A NEURAL NETWORK TO EVALUATE POSTOPERATIVE COMPLICATIONS AND QUALITY IN THYROID SURGERY.
Hugo F Kohler; Jose G Vartanian; Genival B Carvalho; Luiz P Kowalski; A C Camargo Cancer Center

(P277) SURGICAL FACTORS ASSOCIATED WITH PATIENT-REPORTED QUALITY OF LIFE OUTCOMES AFTER FREE FLAP RECONSTRUCTION OF THE ORAL CAVITY
Joaquin E Jimenez, MD1; Marci L Nilsen, PhD, RN2; William E Gooding, MS3; Jennifer L Anderson, MD, PhD4; Nayel I Khan, MD5; Leila J Mady, MD, PhD5; Umamaheswar Duvvuri, MD, PhD5; Seungwon Kim, MD5; Robert L Ferris, MD, PhD5; Mario G Solari, MD6; Mark W Kubik, MD1; Jonas T Johnson, MD1; Shaum Sridharan, MD2; 1Department of Otolaryngology - Head & Neck Surgery, University of Pittsburgh Medical Center; 2University of Pittsburgh, School of Nursing, Department of Acute and Tertiary Care; 3Biostatistics Facility, UPMC Hillman Cancer Center; 4Department of Plastic Surgery, University of Pittsburgh Medical Center

(P278) NEGATIVE PRESSURE WOUND THERAPY (WOUND VAC) FOR THE TREATMENT OF CHYLOUS FISTULA AFTER NECK DISSECTION: AN EFFECTIVE AND EVOLVING TECHNIQUE
Ashley M Dorneden, MD; Alexis Lopez, MD, MPH; Garth Olson, MD; Nathan Boyd, MD; University of New Mexico School of Medicine
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(P280) QUALITY OF LIFE OUTCOMES OF SECONDARY PHARYNGOPLASTY IN POST-LARYNGECTOMY DYSPHAGIA AND STENOSIS PATIENTS
Arvind K Badhey, MD; Thomas O’Neil, BS; Raisa Tikhtman, MD; David Rule, PhD; Chad Zender, MD; University of Cincinnati College of Medicine

(P281) THE EVOLUTION OF HEAD AND NECK CANCER PATIENT CHARACTERISTICS FOLLOWING PASSAGE OF THE AFFORDABLE CARE ACT
Dara R Adams, MD1; Emily Papazian, BS2; Kristine Kuchta, MS3; Cheryl C Nocon, MD4; Mihir K Bhayani, MD5; 1Section of Otolaryngology-Head and Neck Surgery, Department of Surgery, The University of Chicago Medicine, Chicago IL USA; 2Pritzker School of Medicine, The University of Chicago, Chicago IL USA; 3Department of Surgery, NorthShore University HealthSystem, Evanston, Illinois, USA; 4Department of Otolaryngology-Head and Neck Surgery, Rush University Medical Center, Chicago IL USA

(P282) POST-OPERATIVE OUTCOMES OF LARYNGECTOMY PATIENTS DISCHARGED TO HOME VS. TO FACILITY
Christine Park, PAC; Daniel Kwon, MD; Brenda Villegas, EdD, SLCCC; Mark Swanson, MD; Niels Kokot, MD; Uttam Sinha, MD; Keck Hospital of USC

(P283) ACUTE CHANGES IN OROPHARYNGEAL SWALLOWING AFTER RADIATION TO THE SUBMENTAL MUSCLES IN A RODENT MODEL
Suzanne N King, PhD, CCCSLP; Evan Greenwell; Nada Kaisieh; Niya Brewer; Zachary Carter, MS; James Fox, PhD; Megan Blackburn, PhD; University of Louisville

(P284) SAME-DAY VERSUS LATE PERCUTANEOUS ENDOSCOPIC GASTROSTOMY TUBE PLACEMENT IN PATIENTS UNDERGOING HEAD AND NECK CANCER SURGERY
Gregory L Barinsky, PharmD; Corina Din-Lovinescu, DO; Roman Povolotskiy, MD; Jordon G Grube, DO; Richard C Park, MD; Rutgers New Jersey Medical School

(P285) COST-EFFECTIVENESS ANALYSIS OF THE MANAGEMENT OF NONINVASIVE FOLLICULAR THYROID NEOPLASM WITH PAPILLARY-LIKE NUCLEAR FEATURES (NIFTP) AS A BENIGN TUMOR VS. PREVIOUS MANAGEMENT AS AN ENCAPSULATED FOLLICULAR VARIANT OF PAPILLARY THYROID CARCINOMA (EFVPTC)
Ankita Naraparaju1; David Liao, MD2; Vikas Mehta, MD3; Gregory Randolph, MD4; 1Albert Einstein College of Medicine; 2Icahn School of Medicine at Mount Sinai; 3Montefiore Medical Center, Department of Otolaryngology, Head & Neck Surgery; *Massachusetts Eye and Ear Infirmary, Harvard Medical School

(P286) MULTICENTER CROSS-SECTIONAL VALIDATION OF THE DUTCH FACE-Q HEAD AND NECK CANCER MODULE
Dominique de Jel, MD, MSc1; DA Young-Afat, MD, PhD2; HA Rakhorst, MD, PhD2; R Dirven, MD, PhD2; Le Smeele, Prof, MD3; 1Netherlands Cancer Institute; Antoni van Leeuwenhoek; 2Amsterdam Medical Center, location VUmc; 3Medisch Spectrum Twente/Ziekenhuisgroep Twente

(P287) IMPACT OF PRE-OPERATIVE METABOLIC EQUIVALENT STATUS ON SURGICAL OUTCOMES IN HEAD AND NECK CANCER PATIENTS
Elena Gavrila, BS; Gabriela DeVries, MD; Maria Masciello, MD; Kunjan Patel, MD; Hafiz Patwa, MD; Joshua Waltonen, MD; James D Browne, MD; Christopher Sullivan, MD; Wake Forest Baptist Hospital

(P289) SWALLOW-RELATED FUNCTIONAL OUTCOMES AND QUALITY OF LIFE IN HEAD AND NECK CANCER
Christina F Kelly, MA, CCSLP; Hengrui Hu, MS; Taylor Wilde, MS, CCCSLP; Kelly Hansen, MS, CCCSLP; Ellie Maghami, MD; Virginia Sun, PhD; City of Hope National Medical Center, Duarte, California

(P290) GENIOGLOSSUS MUSCLE STRENGTH TRAINING IN HEAD AND NECK CANCER PATIENTS: EARLY CLINICAL TRIAL RESULTS
Kaitlyn Edwards, BS, MD; Kathryn Hitchcock, MD, PhD; Amy Fullerton, PhD; Deepa Danan, MD, MBA; Peter Dziegielewski, MD; Brian Hughley, MD; Alexa Howell, BAS, CCRP; Paul Davenport, PhD; Natalie Silver, MD; University of Florida

(P291) DOES THE MODE OF PROPHYLACTIC SWALLOWING THERAPY DELIVERY INFLUENCE SWALLOWING OUTCOMES IN PATIENTS UNDERGOING DEFINITIVE CHEMORADIATION FOR HEAD AND NECK CANCER?
Donna S Lundy, PhD, BCSS, FASHA; Mario A Landera, SLP, MD; Zoukaa Sargi, MD; Donald Weed, MD; Michael Samuels, MD; Amanda Demane, MA; Cesar Perez, MD; Deukwoo Kwon, PhD; U of Miami
(P293) EFFECT OF VIRTUAL REALITY ON PAIN MANAGEMENT AFTER HEAD AND NECK SURGERY: A RANDOMIZED CONTROLLED TRIAL
Vivek Pandrangi, MD; Jennifer Moy, MD; Suparna Shah, MD; Daniel Clayburgh, MD, PhD; Mark K Wax, MD; Peter Andersen, MD; Ryan Li, MD; Oregon Health and Science University

(P294) EVALUATION OF PRESCRIBING PATTERNS AND OPIOID USE IN POST-TREATMENT HEAD & NECK CANCER PATIENTS
Neelam P Phalke, MD; Christine Settoon, MD; Ashley C Mays, MD; LSUHSC New Orleans

(P295) ASSESSMENT OF CT-BASED MUSCLE AND ADIPOSE PHENOTYPES FOR PREDICTION OF PERI-OPERATIVE OUTCOMES IN HEAD AND NECK CANCER
Gabriela DeVries, MD; Elena Gavrila, BS; Josh Tan, MS; Leon Lenchik, MD; Paul Bunch, MD; Joshua Waltonen, MD; Wake Forest Baptist Hospital

(P296) RISK FACTORS FOR UNPLANNED READMISSION AFTER HEAD AND NECK FREE FLAP RECONSTRUCTION
Alexander M Knops1; Maureen Murphy, CRNP2; Adam J LugrinBuhl, MD, PhD; Howard Krein, MD, PhD; Ryan Heffelfinger, MD; Joseph M Curry, MD; David M Cognetti, MD; Richard A Goldman, MD; 1Sidney Kimmel Medical College, Thomas Jefferson University; 2Department of Otolaryngology - Head and Neck Surgery, Thomas Jefferson University

(P297) THE PROGNOSTIC IMPACT OF DEPRESSION OR DEPRESSIVE SYMPTOMS ON PATIENTS WITH HEAD AND NECK CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS
Sarah Van der Elst1; Yonatan Bardash, MD2; Michael Wotman, MD2; Dennis Kraus, MD2; Tristan Tham, MD2; ‘Donald & Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY, USA; 2New York Head & Neck Institute, Lenox Hill Hospital, Northwell Health, New York, NY, USA

(P299) FUNCTIONAL OUTCOMES FOLLOWING TRANSORAL ROBOTIC-ASSISTED SURGERY FOR RECURRENT OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Aviva S Mattingly, BA1; Heather Starmer, MA, CCCSLP, BCSS1; Michael C Topf, MD2; Vasu Divi, MD2; Eben L Rosenthal, MD1; Floyd Christopher Holsinger, MD1; Fred M Baik, MD1; 1Stanford University; 2Vanderbilt University

(P300) EVALUATION OF SARCOPTENIA AS A PREDICTOR OF OUTCOMES IN OLDER PATIENTS UNDERGOING HEAD AND NECK CANCER SURGERY
Susannah Orzell, MD, MPH1; B Verhareen2; R Grewal1; John de Almeida1; E Yu2; J Su1; W Xu1; S Alibhai1; David Goldstein1; 1Department of Otolaryngology Head and Neck Surgery/Surgical Oncology, University Health Network, Princess Margaret Cancer Center, University of Toronto, Toronto, ON, Canada; 2Joint Department of Medical Imaging, University Health Network, Princess Margaret Cancer Center, University of Toronto, Toronto, ON, Canada; 3Department of Biostatistics, Princess Margaret Cancer Center, University of Toronto; 4Department of Medicine, University Health Network, Department of Medicine, University of Toronto, Toronto Ontario Canada

(P301) IMPLEMENTATION OF A HEAD AND NECK SURVIVORSHIP PROGRAM IS ASSOCIATED WITH EARLIER IDENTIFICATION OF RADIATION-ASSOCIATED HYPOTHYROIDISM: A SINGLE INSTITUTION COHORT STUDY
Zvonimir Milas, MD; Daniel Carrizosa, MD; Daniel Brickman, MD; Catherine Frenkel, MD; Ashley Stewart, MD; Ashley Sumrall, MD; Brittany Neelands, MS; Sally Trufan, MS; Shwetha Sudhakar, MD; Matthew Ward, MD; Atrium Health

(P302) READMISSION RATES FOLLOWING MAJOR HEAD AND NECK SURGERY WITH CONCURRENT TRACHEOSTOMY
Philip R Brauer, BA1; Paul C Bryson, MD2; William S Tierney, MD, MS, MS3; Xuefei Jia, MS3; Eric D Lamarre, MD2; 1Case Western Reserve University School of Medicine; 2Head and Neck Institute, The Cleveland Clinic; 3Taussig Cancer Institute, The Cleveland Clinic

(P304) COMORBID MENTAL HEALTH DISORDERS AND HEAD AND NECK CANCER
Salil T Chaudhry, BA1; Samuel Rubin, MD, MPH2; Jeremiah Tracy, MD; Lauren Tracy, MD; 1Department of Medicine, Boston University School of Medicine; 2Department of Otolaryngology, Boston Medical Center; 3Department of Otolaryngology, Tufts Medical Center

(P305) PATIENT-REPORTED OUTCOMES MEASURES AND SLEEP QUALITY IN HEAD AND NECK CANCER SURVIVORSHIP
Harish Dharmarajan, MD1; Jymirah Morris, BS2; Jinhong Li, MS1; Karley Athchison, MA1; Franco Catalano2; Christine Harrison, BS1; Ryan Soose, MD1; Jonas T Johnson, MD1; Marci Lee Nilsen, PhD, RN2; 1University of Pittsburgh, School of Medicine; 2University of Pittsburgh, School of Public Health; 3University of Pittsburgh, School of Nursing
**POSTER LISTINGS**

(P306) **AESTHETIC AND PSYCHOSOCIAL OUTCOMES AFTER MICROVASCULAR RECONSTRUCTION FOR HEAD AND NECK CANCER: A LONG-TERM CROSS-SECTIONAL ANALYSIS**
Aaron L Zabolsky; Neil Patel; Chase M Heaton; Andrea Park; Rahul Seth; Philip D Knott; University of California, San Francisco

(P307) **THE SUCCESSFUL QUALITY OF LIFE FORMULA FOR LONG TERM HEAD AND NECK CANCER SURVIVORS**
Brenda Villegas; Uttam K Sinha; Laishyang Ouyoung, MS, SLP; Keck School of Medicine of USC; Keck Medical Center of USC

(P309) **IS PROGRESSION TO ORAL DIET INITIATION FOLLOWING GLOSSECTOMY WITH RECONSTRUCTION SUBSITE-DEPENDENT?**
Rachel L Nagawiecki, MA, CCCSLP; Srinivasa Chandra, MD, BDS, FDSRCSEng, FIBCSOMSOncRecon; UNMC

(P310) **FLUORESCENCE IMAGING OF OLFACTORY NERVE BY SELECTIVE NAV1.7 SODIUM CHANNEL TARGETED INHIBITOR (HSP1A) IN THE DIAGNOSIS OF SMELL DISORDERS**
Dauren Adilbay; Junior Gonzales; Paula Demetrio de Souza Franca; Snehal Patel; Glenn F King; Department of Surgery, Memorial Sloan Kettering Cancer Center, New York, NY, USA; Department of Radiology, Memorial Sloan Kettering Cancer Center, New York, NY, USA; Institute for Molecular Bioscience, The University of Queensland, St Lucia, Queensland 4072, Australia

(P311) **TOTAL LARYNGECTOMY NEGATIVELY IMPACTS OLFACTORY-SPECIFIC QUALITY OF LIFE**
Roberto N Solis, MD; Mehrnaz Mehrzad; Ambarir S Gill, MD; Cheng Ma; Angela M Beliveau; Toby O Steele, MD; Andrew C Birkeland, MD; Arnaud F Bewley, MD; D G Farwell, MD; Marianne Abouyared, MD; UC Davis; University of Utah; Texas Tech University Health Sciences Center El Paso

(P312) **OUTCOMES OF TRACHEOESOPHAGEAL PUNCTURE RELATIVE TO SURGICAL PUNCTURE, ABLATIVE AND RECONSTRUCTIVE TECHNIQUE**
Palak Patel; Christine Matthews; Lee S McDaniel; Ashley Mays; Louisiana State University HSC Otolaryngology; Louisiana State University School of Medicine

(P313) **EVALUATING QUALITY OF LIFE AND FUNCTIONAL OUTCOMES IN SALVAGE SURGERY FOR HEAD AND NECK CANCER**
John B Riley, DO; Amy M Williams, PhD; K. Arielle Best, MS; Nitika Tripathi, BS; Steven S Chang, MD; Tamer A Ghanem, MD, PhD; Suhael Momin, MD; Farzana Siddiqui, MD, PhD, CPE; Vivian F Wu, MD, MPH; Samantha Tam, MD; Department of Otolaryngology & Facial Plastic Surgery, Henry Ford Macomb Hospital, Clinton Township, Michigan; Department of Otolaryngology-Head and Neck Surgery, Henry Ford Hospital, Detroit, Michigan; Wayne State University School of Medicine; Department of Radiation Oncology, Henry Ford Health System and Henry Ford Cancer Institute, Detroit, Michigan

(P314) **INVESTIGATING QUALITY OF LIFE AND PSYCHOSOCIAL OUTCOMES IN POST-TREATMENT HPV-POSITIVE HEAD AND NECK CANCER PATIENTS**
Christine Meji; Taylor Hartlein; Torin Thielhelm; Veronica Nunez; Maria Lugo-Fegundo; Elizabeth Nicolli; Donald Weed; Christina Pozo-Kaderman; Donna Lundy; Zoukaa Sargi; University of Miami

(P316) **PROPOSED MODIFICATIONS TO THE U.S. NATIONAL COMPREHENSIVE CANCER NETWORK’S CARE MODELS FOR ADVANCED CANCERS OF THE HEAD AND NECK**
Abhinav S Komandur, MPH; Mohammed Moola, MBBS; Boitumelo Mogale, MBBS; Thanyani Magwaba, MD; Heath Weinreich, MD, MPH; Barry L Wenig, MD, MPH, FACS; University of Illinois College of Medicine; Leratong Hospital

(P317) **STRUCTURAL MONITORING PATIENT REPORTED OUTCOME IN PALLIATIVE HEAD AND NECK CANCER CARE: WHAT CAN WE LEARN TO IMPROVE PATIENT CENTERED CARE?**
Maarten Dorr, MD; Aniel Sewnaik, MD, PhD; Diako Berzenji, BSc; Tim Grevelink, MSc; Robert Baatenburg de Jong, Prof, MD, PhD; Marinella Offerman, PhD; Erasmus Medical Center

(P318) **USE OF THE CLAVIEN-DINDO CLASSIFICATION OF SURGICAL COMPLICATIONS IN NEOADJUVANT IMMUNOTHERAPY CLINICAL TRIALS FOR HEAD AND NECK CANCER**
Marcus A Couey, MD, DDS; Rom S Leidner, MD; Ashish A Patel, MD, DDS; Allen Cheng, MD, DDS; Phillip Harrison, MD, DDS; George Morris, BSN; Lessli Rushforth, RN; R. Bryan Bell, MD, DDS; Earle A. Chiles Research Institute in the Robert W. Franz Cancer Center, Providence Cancer Institute

(P319) **GERIATRIC ASSESSMENT AND DETERIORATION OF HEALTH-RELATED QUALITY OF LIFE AFTER TREATMENT FOR HEAD AND NECK CANCER**
J de Vries; L Bras; G Sidorenkov; M J Witjes; R J Steenbakkers; J A Langendijk; G H de Bock; G B Halmos; University Medical Center Groningen
**POSTER LISTINGS**

(P321) **EVOLVING LATE-EFFECTS IN 15-YEAR SURVIVORS OF MULTIMODALITY HEAD AND NECK CANCER TREATMENT: A QUALITATIVE STUDY**

Lauren M North, MD; Kristina Kaljo, PhD; Becky L Massey, MD; Michael E Stadler, MD; Joseph E Zenga, MD; Christy B Erbe; Bruce H Campbell, MD; Medical College of Wisconsin

(P322) **NEEDS ASSESSMENT OF HEAD AND NECK CANCER SURVIVORS**

Joanna W Bodmann, MSN, APRNCNP; Bridgett A Harr, MSN, APRNCNP; Chandana A Reddy, MS; Jessica L Geiger, MD; Larisa Schwartzman; Shlomo A Koyfman, MD; Neil M Woody, MD; Nikhil P Joshi, MD; David J Adelstein, MD; Cleveland Clinic; Rush University

(P323) **EXAMINING FINANCIAL TOXICITY THROUGHOUT HEAD AND NECK CANCER SURVIVORSHIP: A LONGITUDINAL STUDY**

Khalil Baddour, MD; Vusala Snyder, MD, MS; Mark Fadel, MD, JD; Lauren D Kudrick, MA; Aakriti Neopaney; Alexis Warden, PAC; Teresa H Thomas, PhD, BA, R; Lindsay M Sabik, PhD; Marci L Nilsen, PhD, RN; Umamaheswar Duvvuri, MD, PhD; Seungwon Kim, MD; Mark W Kubik, MD; Shaum Sridharan, MD; Jonas T Johnson, MD; Robert L Ferris, MD, PhD; Leila J Mady, MD, PhD, MPH; Department of Otolaryngology, University of Pittsburgh School of Medicine; Department of Medicine, University of Pittsburgh School of Medicine; University of Pittsburgh, Pittsburgh, PA, United States; UPMC Hillman Cancer Center; Department of Health Promotion and Development, University of Pittsburgh School of Nursing; Department of Health Policy and Management, University of Pittsburgh School of Public Health; Department of Acute and Tertiary Care, University of Pittsburgh School of Nursing; Department of Otorhinolaryngology – Head and Neck Surgery, University of Pennsylvania

(P324) **IMPACT OF AN ENHANCED RECOVERY AFTER SURGERY PROTOCOL ON PERIOPERATIVE SURGICAL OUTCOMES**

Alysha Rasool, MD; Joshua Nicholas, MD; Steven Nakoneshny, BSc; Vanessa Doiron, RN; Shamir P Chandarana, MD, MSc; T W Matthews, MD; Robert D Hart, MD; Christiaan Schrag, MD; Jennifer Matthews, MD; C D McKenzie; Philippe Couillard, MD; Alan Lee, MD; Joseph C Dorr; University of Calgary

(P325) **A SIMPLE, QUICK, AND EFFECTIVE METHOD OF DISPLAYING SPECIMENS FOR PATHOLOGICAL ORIENTATION**

Yuna Kim, MD; Robert C Wang, MD, FACS; Oluwafunmilola Okuyemi, MD, MSCI, FACS; Jo-Lawrence M Bigcas; Jacob Kahane, MD; David Coon, MD; UNLV; None

(P326) **SWALLOWING OUTCOMES FOLLOWING PRIMARY TOTAL LARYNGECTOMY**

Mario Belfiglio, BS; Maxwell Y Lee, BS; Aiman J Faruqi, BS; Michelle Adessa, BM, MS, CCCSLP; Christopher Fleming, MD; Shlomo A Koyfman, MD; Nikhil P Joshi, MD; Jamie Ku, MD; Joseph Scharpf, MD; Brian B Burkey, MD; Eric Lamarre, MD; Brandon Prendes, MD; Robert R Lorenz, MD; Joann Kniecik, MA, CCCSLP; Beth Hohman, MS, CCCSLP; Neil M Woody, MD; Deborah Chute, MD; David J Adelstein, MD; Jessica L Geiger, MD; Paul C Bryson, MD; Cleveland Clinic Lerner College of Medicine; Cleveland Clinic, Head and Neck Institute; Cleveland Clinic, Taussig Cancer Institute, Department of Radiation Oncology; Rush University, Department of Radiation Oncology; Cleveland Clinic, Department of Pathology; Cleveland Clinic, Taussig Cancer Institute, Department of Hematology and Medical Oncology

(P327) **THE EFFICACY OF TOPICAL FIBRIN SEALANT IN THE REDUCTION OF POST-OPERATIVE PAIN AFTER TRANSPAROSAL SURGERY**

Aiman Sajjad, MSIII; Ryan H Sobel, MD; Nova Southeastern University Kiran C. Patel College of Osteopathic Medicine, Fort Lauderdale, Florida, U.S.A; Head & Neck Surgery and Oncology at Broward Health, Broward Health Medical Center, Fort Lauderdale, Florida, U.S.A.

**Hypopharynx / Larynx Poster Abstracts**

(P328) **SWALLOWING OUTCOMES FOLLOWING RECONSTRUCTION OF TOTAL LARYNGECTOMY DEFECTS WITH TUBED VERSUS PATCH FREE FLAPS**

Alyssa K Ovaitt, MD; Christopher Gentile, MD; Jake Owen; Ashwini Tilak, MD; Jessica W Grayson, MD; Benjamin Greene, MD; University of Alabama at Birmingham Hospital; University of Alabama at Birmingham School of Medicine

(P329) **CAN RED BLOOD CELL DISTRIBUTION WIDTH PREDICT LARYNGECTOMY COMPLICATIONS OR SURVIVAL OUTCOMES?**

Christopher B Sullivan, MD; Kathryn Marcus, BS; Zaid Al-Qurayshi, MD, MS; Marisa Buchakjian, MD, PhD; University of Iowa
POSTER LISTINGS

(P330) POSTOPERATIVE LARYNX US IS MORE COST-EFFECTIVE THAN ROUTINE LARYNGOSCOPY AFTER THYROIDECTOMY TO DETECT VOCAL CORD PARALYSIS. A COMPARISON OF TWO HEALTH SYSTEMS.
Alvaro Sanabria, MD, MSc, PhD; Adonis Ramirez, MD; Juan Sanchez, MD; Julio Valencia, MD; Carlos Garcia, MD; Carolina Valencia, MD; Daniela Valdes, MD; 1Department of Surgery. Universidad de Antioquia. Centro de Excelencia en Cirugia de Cabeza y Cuello. Medellin, Colombia; 2Department of Surgery. Universidad de Antioquia. Medellin, Colombia; 3Hospital Pablo Tobon Uribe, Medellin, Colombia; 4IPS Universitaria-Clinica Leon XIII, Medellin, Colombia

(P331) INDUCTION CHEMOSELECTION FOR PATIENTS WITH ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMA: AN UPDATE
William J Benjamin, MPH1; Allen L Feng, MD1; Molly E Heft Neal, MD1; Emily Bellile, MS2; Hassan B Nasser, MD1; Michelle L Mierzwia, MD1; Keith A Casper, MD1; Kelly M Malloy, MD1; Andrew J Rosko, MD1; Chaz L Stucken, MD1; Avraham Einsbruch, MD3; Carol R Bradford, MD4; Mark E Prince, MD1; Matthew E Spector, MD1; Gregory T Wolf, MD1; Paul L Swiecicki, MD5; Francis P Worden, MD1; Steven B Chinn, MD, MPH1; 1Department of Otolaryngology - Head and Neck Surgery, University of Michigan, Ann Arbor, MI, USA; 2Department of Biostatistics, University of Michigan, Ann Arbor, MI, USA; 3Department of Radiation Oncology, University of Michigan, Ann Arbor, MI, USA; 4Department of Otolaryngology - Head and Neck Surgery, The Ohio State University, OH, USA; 5Department of Medical Oncology, University of Michigan, Ann Arbor, USA

(P332) MUCOEPIDERMOID CARcinoma OF THE LARYNX: A SYSTEMATIC REVIEW
Chris C Tseng, BS; Jeff Gao, BS; Guy Talmor, MD; Brandon Nguyen, MD; Mayand Vakil, MD; Peter Ashman, MD; Rachel Kaye, MD; Rutgers

(P335) COMPRESSIVE NECK DRESSING IN IMMEDIATE POST-LARYNGECTOMY PERIOD TO REDUCE PHARYNGOCUTANEOUS FISTULA RATE
Tam Ramsey; Katherine Webb; Desai Vilok; Gillian Ridler; Shivaali Maddali; Neil Gilldener-Leapman; Lisa Galati; Albany Medical Center

(P336) PROTOCOLIZED AWAKE SECONDARY TEP PLACEMENT WITH IMMEDIATE VOICING
Taha Mur; Connor O’Boyle; Daniel Faden; 1Boston University Medical Center - Otolaryngology Head and Neck Surgery; 2Harvard Medical School, Boston, MA, United States; 3Massachusetts Eye and Ear, Boston, MA, United States

(P337) FREE FLAP RECONSTRUCTION IN SALVAGE LARYNGECTOMY: SURGICAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL STUDY
Peter T Dziegielewski, MD, FRCSC; Dustin Conrad, MD, FRCSC; Han Zhang, MD, FRCSC; Hadi Seikaly; Deepa Danan, MD; Brian Hughley, MD; 1University of Florida; 2McMaster University; 3University of Alberta

(P338) PHARYNGEAL RECONSTRUCTION AFTER LARYNGOPHARYNGECTOMY: A HISTORICAL PERSPECTIVE
Joseph Goodman, MD; Melonie Nance, MD; Jeffrey Spiro, MD; 1The George Washington University; 2University of Pittsburgh School of Medicine; 3University of Connecticut Health Center

(P339) LARYNGECTOMY-FREE SURVIVAL AFTER SALVAGE PARTIAL LARYNGECTOMY: A SYSTEMATIC REVIEW AND META-ANALYSIS
Anton Warshavsky; Udi Shapira; Nidal Muhanna; Omer Ungar; Narin Nard-Carmel; Avraham Abergel; Ahmad Safadi; Gilad Horowitz; Tel-Aviv Sourasky Medical Center

(P341) HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA: OUTCOMES FROM A TERTIARY CARE CENTER
Shivangi Lohia, MD; Stephanie Flukes, MBSS, BSc; Jennifer Cracchiolo, MD; Nancy Lee, MD; Lara Dunn, MD; Snehal Patel, MD; Jatin P Shah, MD; Richard Wong, MD; Ian Ganly, MD; PhD; Marc A Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(P343) TUMOR VOLUME AS A PREDICTOR OF SURVIVAL IN ADVANCED LARYNGEAL CANCER TREATED WITH TOTAL LARYNGECTOMY
Marna A List, BS; Spencer Nichols, BS; Danny DeJesus, MD; Tara C Massini, MD; William Mendenhall, MD; Deepa Danan, MD, MBA; Robert amdur, MD; Kathryn Hitchcock, MD, PhD; Brian Hughley, MD; Jing Zhao, MS; Ji-Hyun Lee, PhD; Peter T Dziegielewski, MD, FRCSC; University of Florida College of Medicine

(P344) MUCOEPIDERMOID CARCINOMAS OF THE LARYNX
Holden Richards, BA; Bronwyn Hamilton, MD; David Sauer, MD; Caitlin Bertelsen, MD; Joshua Schindler, MD; 1Oregon Health and Science University School of Medicine; 2Department of Diagnostic Radiology, Oregon Health and Science University; 3Department of Pathology, Oregon Health and Science University; 4Department of Otolaryngology/Head and Neck Surgery, Oregon Health and Science University
(P345) TREATMENT AND SURVIVAL IN T3 LARYNGEAL CARCINOMA WITH VOCAL CORD FIXATION
Miranda R. Lindburg, MD; Angela Mazul, PhD, MPH; Sean Massa, MD; Washington University

(P346) SURVIVAL AND FUNCTIONAL OUTCOMES OF PATIENTS WITH LOCALLY ADVANCED LARYNGEAL SQUAMOUS CELL CARCINOMAS (SCC) TREATED WITH SURGERY FOLLOWED BY ADJUVANT TREATMENT: A 15-YEAR EXPERIENCE OF A TERTIARY HOSPITAL IN SINGAPORE.
Jerome Ong, MBBS, MRCS; Jereme Y Gan, MBBS, MMed, FAMS; Ernest WZ Fu, MBBS (Singapore), MRCS (Edinburgh), M Med (ORL). FAMS (ORL); Li Hao, MBBS, MMED (Otorhinolaryngology), MCI; Chien Joo Lim, MSc; Ming Yann Lim, MBBS, MMed, FAMS; Tan Tock Seng Hospital

(P347) PROGNOSTIC VALUE OF COMPUTED TOMOGRAPHY SCAN DETECTION OF CARTILAGE INVASION IN ADVANCED LARYNGEAL CARCINOMA TREATED WITH PRIMARY TOTAL LARYNGECTOMY
Maxwell Y. Lee; Jonathan Lee; Sarah Stock; Mario Belfiglio; Brian Matia; Shlomo Koyfman; Nikhil P. Joshi; Brian B. Burkey; Eric Lamarre; Brandon Prendes; Joseph Scharpf; Robert R. Lorenz; Neil M. Woody; David J. Adelstein; Jessica L. Geiger; Deborah J. Chute; Jamie A. Ku; Cleveland Clinic Lerner College of Medicine; 2Department of Otolaryngology, Head and Neck Institute, Cleveland Clinic Foundation; 3Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic; 4Department of Pathology, Cleveland Clinic; 5Department of Radiation Oncology, Rush University Cancer Center; 6Department of Hematology and Medical Oncology, Taussig Cancer Institute, Cleveland Clinic; 7Department of Pathology, Cleveland Clinic

(P348) INTRA-OPERATIVE MARGIN DIAGNOSIS DURING TRANSORAL LASER MICROSCOPY FOR GLOTTIC CANCER PREVENTS MUCOSAL RECURRENCE.
Koji Araki; Naoya Yamazaki; Masayuki Tomifuji; Kosuke Uno; Shotaro Hirokawa; Akihiro Shiotani; National Defense Medical College

(P349) RADIO-ACTIVE SWALLOW IN PATIENTS TREATED WITH SUBTOTAL-SUPRACRICOID-LARYNGECTOMY AND CHEP (STSCL-CHEP)
Francisco Gallegos, MD; Jose Abrego, MD; Alma-Lilia Ortiz, MD; Luis Correa, MD; Manuel Gonzalez, MD; 1Head & Neck Department. Hospital de Oncologia.IMSS.Mexico City; 2Nuclear Medicine Department.Hospital de Oncologia.

(P350) FREE FLAP RECONSTRUCTION IN PRIMARY LARYNGECTOMY: SURGICAL AND FUNCTIONAL OUTCOMES IN A MULTI-INSTITUTIONAL STUDY
Dustin Conrad, MD, FRCSC; Han Zhang, MD, FRCSC; Deepa Danan, MD; Brian Hughley, MD; Hadi Seikaly, MD, FRCSC; Peter T. Dziegielewski, MD, FRCSC; University of Florida; 2McMaster University; 3University of Alberta

(P353) ONCOLOGIC OUTCOMES AND PATTERNS OF OCCULT NODAL METASTASIS AFTER SALVAGE LARYNGECTOMY
Jennifer H. Gross; Matthew B. Studer; Jeffrey M. Switchenko; Mark S. El-Deary; H M. Baddour; Brian J. Boyce; Clementino A. Solares; Merry E. Sebelik; Amy Y. Chen; Azeem S. Kaka; Nicole C. Schmitt; Kelly S. Magliocca; Mihir R. Patel; Emory University

(P354) LARYNGEAL CHONDROSARCOMA: LONG TERM OUTCOMES AFTER CONSERVATION LARYNGEAL SURGERY
Diana N. Kirke, MD; Eliezer C. Kinberg; Kristiana Jordan; Clark Rosen, MD; Mark Courey; Mount Sinai Hospital; 2University of California, San Francisco

(P355) DOES OBESITY AFFECT OUTCOMES AFTER TOTAL LARYNGECTOMY?
Gregory L. Barinsky, PharmD; Roman Povolotskiy, MD; Amishav Y. Bresler, MD; Soly Baredes, MD; Dylan F. Roden, MD, MPH; Richard C. Park, MD; Rutgers New Jersey Medical School

(P356) TRANSORAL ROBOTIC SURGICAL RESECTION FOR PHARYNGEAL AND LARYNGEAL CANCERS WITHOUT THE NEED FOR NECK DISSECTION
Chun-Hsiang Chang, MD; Kuang-Hsi Chang, PhD; Stella Tsai, MD, PhD, FACS; Tungs’ Taichung MetroHarbor Hospital

(P357) LARYNGEAL MALIGNANCIES IN FLORIDA FROM 1982-2016: AN EPIDEMIOLOGICAL STUDY
Matthew Gliksman, MD; Daniel Segarra; Safi Zaman; Ethan Song; Christopher Nickel, MD; Tapan Padhya, MD; Matthew Mifsud, MD; Department of Otolaryngology - Head and Neck Surgery, University of South Florida Morsani College of Medicine; 2University of South Florida Morsani College of Medicine

(P359) COMPLICATIONS IN TOTAL LARYNGECTOMY AT THE NATIONAL CANCER INSTITUTE OF MEXICO
Antonio Gomez-Pedraza, MD; Luis Enrique Soto Ortega, MD; Mariana I. Herrera-Guerrero, MD; 1INSTITUTO NACIONAL DE CANCEROLOGIA MEXICO; 2Hospital central militar; 3CENTRO MEDICO ABC

(P360) ROBOTIC SURGERY IMPROVES OVERALL SURVIVAL FOR T1 AND T2 TUMORS OF THE HYPOPHARYNX
Andrey Finegersh; Rohith Voora; Bharat Panuganti; Farhoud Faraji; Ryan Orosco; UCSD
POSTER LISTINGS

(P361) DISSECTION OF THE PARATRACHEAL NODES IN ADVANCED LARYNGEAL CANCER: DOES IT MAKE A DIFFERENCE
Jure Orel; Janez Mohorko; Bostjan Lanisnik, PhD; Bogdan Cizmarevic, PhD; University clinical center Maribor

(P362) DISPARITIES IN MANAGEMENT AND SURVIVAL FOR T4 LARYNX SQUAMOUS CELL CARCINOMA
Catherine H Frenkel, MD; Daniel S Brickman, MD; Sally J Trufan, MS; Matthew C Ward, MD; Benjamin J Moeller, MD; Daniel R Carrizosa, MD; Ashley L Sumrall, MD; Zvonimir L Milas; Atrium Health, Levine Cancer Institute

(P363) A DESCRIPTIVE STUDY ON VOICE EVALUATION OF PATIENTS WITH ADDUCTOR SPASMODIC DYSPHONIA WHO UNDERWENT THYROPLASTY TYPE II
Geoffrey John S Hizon, MD; Celso V Ureta, MD; John B Espina, MD; Veterans Memorial Medical Center

Imaging and Screening Poster Abstracts

(P364) ASSESSMENT OF MALNUTRITION AND RELATED COMORBIDITIES IN HEAD AND NECK CANCER PATIENTS
Jamil A Hayden, BA; James A Leonard, MD; Priyanka S Tripuraneni, BS; Jonathan P Giurintano, MD; MedStar Georgetown University Hospital

(P365) EXCISIONAL CERVICAL LYMPH NODE BIOPSY IN PATIENTS AGED 15-25: OUTCOMES AND PROGNOSTIC INDICATORS
Vedang Patel, BA; Joseph Conduff, MD; Andrew Prince, MD; Samip Patel, MD; Jeffrey M Blumberg, MD; University of North Carolina at Chapel Hill

(P366) INTRAOPERATIVE USE OF THE OPTICAL TISSUE IMAGING SYSTEM (OTIS) FOR ORAL CAVITY AND OROPHARYNGEAL TISSUE: EVALUATION OF MICROSTRUCTURE USING WIDE-FIELD OPTICAL COHERENCE TOMOGRAPHY (WF-OCT)
Arvind K Badhey1; Julia Schwarz2; Benjamin Laitman2; Brandon Veremis2; William Westra2; Mike Yao3; Marita Teng2; Eric Genden2; Brett Miles2; 1University of Cincinnati; 2Icahn School of Medicine at Mount Sinai; 3Westchester Medical Center

(P367) IMAGING BIOMARKERS TO PREDICT RESPONSE TO IMMUNE CHECKPOINT INHIBITOR THERAPY IN HEAD AND NECK CANCER
Robert Saddawi-Konefka, MD, PhD; Aaron Simon, MD, PhD; J. Silvio Gutkind, PhD; Loren Mell, MD; UC San Diego

(P368) IMAGING SURVEILLANCE IN PATIENTS WITH SURGICALLY TREATED HEAD AND NECK PARAGANGLIOMAS
Eric Babajanian, MD1; Derek Woodruff, BS2; Hilary McCrary, MD, MPH3; Anne Naumer, MS4; Luke Buchmann, MD4; 1Division of Otolaryngology–Head and Neck Surgery, Department of Surgery, University of Utah School of Medicine; 2University of Utah School of Medicine; 3University of Utah School of Medicine; 4Genetic Counseling Shared Resource, Huntsman Cancer Institute, University of Utah

(P369) CREATION OF A MOBILE CLINIC SPACE FOR ORAL CANCER SCREENING
Kate Clancy, MD; Chelsea Hamill, MD; Akina Tamaki, MD; Nicole M Fowler, MD; University Hospitals Cleveland Medical Center

(P370) DEEP LEARNING ALGORITHM FOR AUTOMATED CLASSIFICATION OF HIGH RISK ORAL POTENTIALLY MALIGNANT LESION USING OPTICAL COHERENCE TOMOGRAPHY
Bonney L James1; Emon Heidari, PhD2; Sumsum P Sunny, MDS, PGD3; Ravindra D R1; Subhashini A R, MDS4; Keerthi G, MDS4; Shubha G, MDS4; Uma K, MDS4; Anne Tran5; Tracie Lam5; Zhongping Chen5; Naveen Hedne, MS3; Vivek Shetty, MS3; Darshat Shah6; Nameeta Shah, PhD6; Vijay Pillai, MDS6; Praveen B N, MDS, PhD6; Petra Wilder-Smith, DDS, PhD6; Amritha Suresh, PhD6; Moni A Kuriakose, MD6; 1Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Center for Translational Research, MSMF, Bangalore, India; 2Beckman Laser Institute, University of California, Irvine; 3Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India; 4KLES Institute of Dental Sciences, Bangalore, India; 5Mazumdar Shaw Medical Foundation, NH Health City, Bangalore, India

(P371) FIELD VALIDATION OF SMARTPHONE-BASED PORTABLE POINT-OF-CARE DIAGNOSTIC TOOL WITH ARTIFICIAL NEURAL NETWORK FOR EARLY DETECTION OF ORAL CANCER IN LOW RESOURCE SETTINGS
Praveen B N, MDS, PhD; Bofan Song, PhD; Sumsum Sunny, MDS, PGD; Ravindra D R; Subhashini A R, MDS; Keerthi G, MDS; Shubha G, MDS; Uma K, MDS; Anne Tran; Tracie Lam; Zhongping Chen; Naveen Hedne, MS; Vivek Shetty, MS; Darshat Shah; Nameeta Shah, PhD; Vijay Pillai, MDS; Praveen B N, MDS, PhD; Petra Wilder-Smith, DDS, PhD; Amritha Suresh, PhD; Moni A Kuriakose, MD; 1Integrated Head and Neck Oncology Research Program, Mazumdar Shaw Center for Translational Research, MSMF, Bangalore, India; 2Beckman Laser Institute, University of California, Irvine; 3Head and Neck Oncology, Mazumdar Shaw Medical Center, Bangalore, India; 4KLES Institute of Dental Sciences, Bangalore, India; 5Mazumdar Shaw Medical Foundation, NH Health City, Bangalore, India

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(P372) INDIVIDUAL HEAD AND NECK SCREENING: INITIATING A DIALOGUE ABOUT BEST APPROACH
Virginie Achim, MD, FACS; Kyle J Kozak, BA; University of Illinois Chicago

(P374) NOVEL CT IMAGING CHARACTERISTICS TO DETECT OCCULT NODAL METASTASIS IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Megan Morisada, MD; Abdisalam Hassan; Roberto N Solis, MD; Marianne Abouyared, MD; Andrew Birkeland, MD; D G Farwell, MD; Vladimir Ivanovic, MD; Arnaud F Bewley, MD; UC Davis

(P376) PRE-TREATMENT PREDICTION OF EXTRANODAL EXTENSION IN HEAD AND NECK CANCER USING MACHINE LEARNING AND RADIOMICS
Molly Heft Neal; Benjamin Rosen; Noah Mathis; Mohannad Ibrahim; Steven Chinn; University of Michigan

(P377) RADIOLOGIC-PATHOLOGIC CORRELATION OF MAJOR VS. MINOR EXTRANODAL EXTENSION IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Michael A Bisco, MD1; Christopher W Noel, MD1; Tra Truong, MD2; Shao Hui Huang, MD, MSc1; Eugene Yu, MD1; Eric Bartlett, MD1; Ilan Weinreb, MD1; Bayardo Perez-Ordonez, MD1; John de Almeida, MD, MSc, FRCS1; 1Princess Margaret Cancer Centre/University Health Network, University of Toronto; 2University of Toronto

(P378) EFFICACY OF ULTRASOUND-GUIDED ETHANOL SCLEROTHERAPY FOR CONGENITAL CYSTS OF THE HEAD AND NECK
Lilun Li, MD1; Esther Lee2; Ashley Lloyd, MD1; Jane Tong1; Joseph Goodman, MD1; Punam Thakkar, MD1; Arjun Joshi, MD; 1George Washington University School of Medicine and Health Sciences; 2Western University of Health Sciences; 3Drexel University College of Medicine

(P379) TOPICAL APPLICATION OF PLASMID-BASED RINSE FOR ORAL CANCER SCREENING.
Joshua J Kain, MD1; John Ahn, MD2; Angela D Haskins, MD; Anthony Moranlandt, DMD, MD; Kirk Withrow, MD; Yolanda Hartman, BS3; Yebed Ying, DMD, MD4; Jason Warram, PhD; Luke Bailey, MD; William R Carroll, MD; 1University of California-Davis; 2Department of Anesthesiology-University of Alabama at Birmingham; 3Department of Otolaryngology-Baylor College of Medicine; 4Department of Oral & Maxillofacial Surgery- UAB; 5Department of Otolaryngology- University of Alabama at Birmingham

(P380) INTRAOPERATIVE LABEL-FREE FLUORESCENCE LIFETIME IMAGING FOR REAL-TIME DELINEATION OF OROPHARYNGEAL CARCINOMA OF UNKNOWN PRIMARY ORIGIN
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Priyanka S Tripuraneni, BS; James A Leonard, MD; Jamil A Hayden, BA; Jonathan P Giurintano, MD; MedStar Georgetown University Hospital

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Alysha Rasool, MD; Elias Pretorius, MD; John T Lysack, MD; Shamir P Chandarana, MD, MSc; T W Matthews, MD; Michael Deutschmann, MD; University of Calgary

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Beverly Garber, MSN, NP; Angela Beliveau, MPH, CCRP; Andrew Birkeland, MD; Arnaud Birkeland, MD; D. Gregory Farwell, MD; Marianne Abouyared, MD; UC Davis Health

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Shotaro Hirokawa, MD1; Koji Araki, MD, PhD; Taku Yamashita, MD, PhD; Masayuki Tomofuji, MD, PhD; Kosuke Uno, MD, PhD; Eiko Kimura, MD, PhD; Naoki Matsuno, MD; Hideaki Shimada, MD, PhD; Akihiro Shiotani, MD, PhD; 1Department of Otorhinolaryngology-Head and Neck Surgery, National Defense Medical College; 2Department of Otorhinolaryngology, Head and Neck Surgery, Kitasato University School of Medicine; 3Department of Surgery, School of Medicine, Toho University Omori Medical Center
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*equal contribution

(P386) INTRAOPERATIVE SENTINEL MARGIN IDENTIFICATION USING FLUORESCENT MOLECULAR IMAGING
Laura Freeman, MD; Giri Krishnan, MBBS, M ClinSc; Nynke S van den Berg, PhD; Eben Rosenthal, MD; Stanford

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John D Cramer, MD; Ammar Sukari, MD; Misako Nagasaka, MD; Karmanos Cancer Institute

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Courtney Miller, MD; Alex Karabachev, BS; Peter Callas, PhD; Michael Bazylewicz, MD; Mirabelle Sajisevi, MD; 1University of Vermont Medical Center; 2Larner College of Medicine at The University of Vermont

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Jaimanti Bakshi, PROFESSOR, UNIT, HEAD; Ramya Rathod, SENIOR RESIDENT; PGIMER, CHNADIGARH, INDIA

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Brian Gastman, MD; Martin A Cheever; Steven P Fling, MD; Beibei Hu, PhD; Derek Matthias, PsyD; Sung Jin Huh, PhD; Heather C Losey, PhD; Laura Q Chow, MD; Cleveland Clinic; Fred Hutchinson Cancer Research Center (FHCRC) Cancer Immunotherapy Trial Network; Alkermes, Inc.; Dell Medical School, University of Texas Austin

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Rohan C Parikh; Lisa M Hess; Elizabeth Esterberg; Naleen Raj Bhandari; RTI Health Solutions; Eli Lilly and Company

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Christie McGee, MD; Serena Zilio, PhD; Francisco J Civantos, MD; Zoukaa Sargi, MD; Elizabeth J Franzmann, MD; Elizabeth Nicoll, MD; Giovana Thomas, MD; Jason Leibowitz, MD; David Arnold, MD; Donald T Weed, MD; Paolo Serafini, PhD; Department of Otolaryngology, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine; Department of Microbiology and Immunology, Sylvester Comprehensive Cancer Center, University of Miami Miller School of Medicine

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Nikhil Mistry1; Alessandro Villa, DDS, PhD, MPH2; Glenn Hanna, MD3; 1Harvard School of Dental Medicine; 2University of California, San Francisco Health; 3Dana Farber

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Angela Alnemri, BS1; S Hamad Sagheer, BS, BA2; Kevin Xiao, BS3; Yamil Selman, MD4; Madalina Tuluc, MD4; Tingting Zhan, PhD4; David Cognetti, MD4; Joseph M Curry, MD4; Jennifer M Johnson, MD, PhD5; Athanassios Argiris, MD, PhD5; Larry Harshyne, PhD5; Adam Luginbuhl, MD6; 1Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 2Department of Biostatistics, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 3Department of Medical Oncology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 4Department of Pathology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 5Department of Medical Oncology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.

(P406) DETERMINING THE ROLE OF CENTRAL MEMORY T CELLS IN RESPONSE TO ANTI-PD1 THERAPY
Michael R Bobian, MD1; Hannah Knochelmann, BS1; Connor Dwyer, PhD1; Chrystal Paulos, PhD2; David Neskey, MD1; 1Medical University of South Carolina; 2Emory University School of Medicine

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(P409) RELATIONSHIP BETWEEN THE IMMUNE MICROENVIRONMENT AND DISEASE RECURRENCE IN HEAD AND NECK SQUAMOUS CELL CARCINOMA.
Colleen G Hochfelder, MD, MS1; Fingshen Kuo, PhD1; Nicolas F Schlecht, PhD1; Thomas J Belbin, PhD1; Geoffrey Childs, PhD1; Michael B Prystowsky, MD, PhD1; Richard V Smith1; Vikas Mehta, MD, MPH1; Bradley A Schiff, MD1; Luc GT Morris, MD, MSc2; Thomas J Ow, MD, MS3; 1University of Michigan; 2Memorial Sloan Kettering Cancer Center; 3Albert Einstein College of Medicine; 4Montefiore Medical Center / Albert Einstein College of Medicine

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J Renee Booth, MD1; Hesamoldin Khodadadi2; E Jim Kruse, DO3; A Kumar Guddati, MD4; Babak Baban, PhD5; J Kenneth Byrd, MD1; 1School of Medicine at Augusta University; 2Dental College of Georgia

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(P414) A FRESH PERSPECTIVE ON THE INFRATEMPORAL FOSSA: TRANSZYGOMATIC MIDDLE FOSSA APPROACH AND 3-DIMENSIONAL ANATOMIC MODELING IN RESIDENT EDUCATION
Andrew R Larson, MD1; Roberto Rubio, MD2; Stephen McGill, MD, PhD3; Michael McDermott, MD; Ivan El-Sayed, MD; Massachusetts Eye and Ear; University of California, San Francisco; Ohio State Wexner Medical Center; Baptist Health South Florida, Miami Neuroscience Institute

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Akbar Khasanov, MD, PhD; Rahimjon Bekmirzaev, MD, PhD; Anvar Amonov, MD; Bobir Primkulov, MD; Zohir Shkurov, MD; National Cancer Center of Uzbekistan

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Jeffrey T Gu, MD; Jess C Mace, MPH; Ryan J Li, MD; Peter E Andersen, MD; Daniel R Clayburgh, MD, PhD; Timothy L Smith, MD, MPH; Mathew Geltzeiler, MD; OHSU

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Sumeet Angral, MS, DNB ENT; AIIMS Deoghar

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of Otorhinolaryngology – Head and Neck Surgery, Department of Medical and Surgical Specialties, Radiological Sciences and Public Health; University of Brescia, Brescia, Italy; 3Department of Otolaryngology-Head and Neck Surgery/Skull Base Surgery, Hospital Groups Saint Louis, Lariboisière, Fernand-Widal, Public Assistance Paris Hospitals, Paris-Diderot University, Paris, France; 4Unit of Otorhinolaryngology, Department of Biotechnology and Life Sciences, University of Insubria, Ospedale di Circolo e Fondazione Macchi, Varese, Italy; 5Department of Otorhinolaryngology-Head and Neck Surgery, ASST Lariana, Sant’Anna Hospital, University of Insubria, San Fermo della Battaglia, Como, Italy

(P424) PLASMA EPSTEIN BARR VIRAL DNA IN THE DETECTION OF LOCALLY RECURRENT NASOPHARYNGEAL CARCINOMA
Ronald Lai; Zenon Yeung; Allen Chan; Jacky Lam; Jason Chan; CUHK

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(P428) PHASE II RANDOMIZED TRIAL OF NEO-ADJUVANT CHEMOTHERAPY FOLLOWED BY SURGERY AND POST-OPERATIVE RADIATION VERSUS SURGERY AND POST-OPERATIVE RADIATION FOR ORGAN PRESERVATION OF T3 AND T4A NASAL AND PARANASAL SINUS SQUAMOUS CELL CARCINOMA (NPNSCC): A TRIAL OF Nabil F Saba1; Yael Flamand2; Derrick Lin3; Christine H Chung4; Mark McDonald5; Stella Flamouni6; Saad Khan7; Duan Fenghai8; Rathan Subramanian9; Bapsi Chakreavarthy10; Barbara Burtness11; 1Emory University; 2ECOG-ACRIN; 3Massachusetts General Hospital; 4Moffitt Cancer Center; 5Stanford University; 6Brown University; 7University of Otago; 8Vanderbilt University; 9Yale University

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Steven P Davidson1; Michael Sylvester, MD2; Kyle K VanKoevering, MD3; Erin L McKeans, MD, MBA, FACS2; 1University of Michigan Medical School; 2Michigan Medicine Department of Otolaryngology - Head and Neck Surgery; 3The Ohio State University Department of Otolaryngology - Head and Neck Surgery

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Raymond K Tsang, MS, MBChB1; Walter Chan, MBChB2; 1The University of Hong Kong; 2Queen Mary Hospital

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LV. Bolotina; TI. Deshkina; A.L. Korneckaja; PV. Golubev; P. Hersenn Moscow Oncology Research Institute - Branch of the National Medical Radiation Research Centre of the Ministry of Health of the Russian Federation

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(P433) MULTI-INSTITUTIONAL REVIEW OF THE IMPORTANCE OF CERVICAL AND PAROTID LYMPH NODES IN THE MANAGEMENT OF LACRIMAL SAC MALIGNANCIES
Brian P Swendseid1; Swar Vimawala2; Richard Goldman1; Adam Luginbuhl1; David Tse3; Donald Weed3; Joseph Curry1; 1Thomas Jefferson University Hospitals; 2Cooper University Health; 3University of Miami

(P434) CLINICO-EPIEMIOLOGICAL PROFILE IN CHRONIC DACRYOCYSTITIS PATIENTS UNDERGOING ENDO-DCR REVISITED WITH AN UPDATED REVIEW
Sumeet Angral, MS, DNB ENT; AIIMS Deoghar
(P435) SALVAGE NECK SURGERY IN NPC RECURRENCE: DO ALL PATIENTS REQUIRE A COMPREHENSIVE NECK DISSECTION IN THE MODERN MRI ERA?
Daniel Xingcheng Yin1; Simin Chiow2; Amit Karandikar2; Julian Park Nam Goh3; Jerome Yijin Gan2; Ernest Weizhong Fu2; Hao Li2; Ming Yann Lim3; 1Tan Tock Seng Hospital, Singapore; 2Department of Diagnostic Radiology, Tan Tock Seng Hospital, Singapore; 3Department of Otolaryngology, Tan Tock Seng Hospital, Singapore

(P436) PEDIATRIC HEAD AND NECK OSTEOSARCOMA PROGNOSIS, SURVIVAL AND CANCER-SUSCEPTIBILITY GENE VARIANTS
Victor H Albornoz Alvarez, BS1; Danny Chelius, MD2; Amy L Dimachkieh, MD2; 1Baylor College of Medicine; 2Baylor College of Medicine, Texas Children’s Hospital

(P437) NEUROCOGNITIVE FUNCTIONING OF PATIENTS WITH SINONASAL AND NASOPHARYNGEAL CANCERS TREATED WITH MULTIMODALITY THERAPY
Lindsay M Niccolai, PhD1; Jeffrey S Wefel, PhD1; Catherine M Sullaway, BS1; Ehab Y Hanna, MD1; Kareem B Haroun1; Jack Phan, MD2; Shirley Y Su1; 1UT MD Anderson Cancer Center; 2UTMB Galveston

(P438) MANAGEMENT OF THE NO NECK IN MAXILLARY SINUS SQUAMOUS CELL CARCINOMA
Madeleine P Strohl, MD; Patrick S Carpenter, MD; Sue S Yom, MD, PhD; Ivan H El-Sayed, MD; University of California, San Francisco

(P439) IMPORTANCE OF MARGINS, RADIOTHERAPY, AND SYSTEMIC THERAPY IN MUCOSAL MELANOMA OF THE HEAD AND NECK
Axel Sahovaler, MD1; Ziai Hedyeh, MD; Felipe Cardemil, MD, PhD; Jie Su, MSc; David Goldstein, MD, MSc; Gilbert Ralph, MD; Shao Huang, MD, MSc, MRTT; Ali Hosni, MBBC, MSc, PhD, MD; Andrew Hope, MD; John Waldron, MD; Aron Hansen, MD; Lilian Siu; Anna Spreafico, MD, PhD; Wei Xu, PhD; John de Almeida, MD, MSc; University of Toronto

(P440) THE SIGNIFICANCE OF LONG-TERM INTRAARTERIAL CHEMOTHERAPY IN THE COMPLEX TREATMENT OF PATIENTS WITH MALIGNANT nonepithelial TUMORS OF MAXILLOFACIAL REGION.
Akbar Khasanov, MDPhD; Rahimjon Bekmirzaev, MDPhD; Bobir Primkulov, MDPhD; Shukurov Zoir, MD; Anvar Amonov, MD; National Cancer Center of Uzbekistan

(P442) FEASIBILITY OF COMPARTMENTAL ENDOSCOPICAL CRANIOFACIAL RESECTION FOR SINONASAL MALIGNANCY WITH ANTERIOR SKULL BASE INVOLVEMENT WITH NOVEL RECONSTRUCTION METHOD
Kiran Joshi; Mudit Agarwal; Abhishek Singh; Sunil Kumar; Shashank Chaudhary; RGCIRC

(P443) THREE-DIMENSIONAL PRINTING AS AN INTERDISCIPLINARY COMMUNICATION TOOL TO AID IN CRANIOFACIAL RESECTION
Mohammad K Hararah, MD, MPH; Andrew T Mclean, MD; Ian Ganly, MD, PhD; Cameron Brennan, MD; David Della Rocca, MD; Evan Matros, MD; Marc A Cohen, MD, MPH; Memorial Sloan Kettering Cancer Center

(P444) OUTCOMES FOR THE YOUNG HEALTHY NASOPHARYNGEAL CARCINOMA PATIENTS WITH RADIATION INDUCED SARCOMA – A RETROSPECTIVE STUDY
Samuel Cheng; Kristy Fung; Eddy Wong; Alexander Vlantis; Jason Chan; CUHK

(P445) CRANIOFACIAL RESECTION FOR NONMELANOMA SKIN CANCER OF THE HEAD AND NECK
Gustavo F de Alvarenga, MD; Jonathan G Ghetler, MD; Ana K Nogueira Leite, PhD; Sérgio Gonçalves, MD; Hugo Sterman Neto, MD; Alexandre B dos Santos, PhD; Leandro L de Matos, PhD; Dorival Carlucci Junior, MD; Marco Aurélio V Kulcsar, PhD; Cláudio R Cernea, PhD; Luiz F Kowalski, PhD; University of São Paulo

(P446) INTRAOPERATIVE NAVIGATION AND AUGMENTED REALITY IN SINONASAL TUMORS: A COMPARATIVE PRECLINICAL STUDY.
Axel Sahovaler, MD1; Harley Chan, PhD1; Tommaso Gualtieri, MD2; Michael Daly, PhD1; Claire Vannelli, MSc1; Donovan Eu, MD1; Marco Ferrari, MD1; Jonathan Irish, MD1; 1University of Toronto; 2University of Brescia

(P447) A 25-YEAR EXPERIENCE IN SKULL BASE ADENOID CYSTIC CARCINOMA: OUTCOMES IN OPEN VS. ENDOCOPIC APPROACHES
Peter Lancione, MD1; Robin Rice, BS2; Aaron Craft2; Anuraag Parikh, MD3; Songzhu Zhao3; Kyle Vankoevering, MD1; Ricardo Carrau, MD1; Matthew Old, MD1; 1Department of Otolaryngology Head and Neck Surgery, The Ohio State University Wexner Medical Center, Columbus, OH; 2The Ohio State University College of Medicine; 3Center for Biostatistics, The Ohio State University Wexner Medical Center
(P449) PREDICTORS OF SURGICAL OUTCOMES IN PATIENTS WITH SINONASAL AND SKULL BASE TUMORS
Sonam Dodhia, MD1; Conall Fitzgerald, MD2; Avery Yuan, MB, MMC3; Cristina Valero Mayor, MD, PhD3; Dauren Adilbay, PhD3; Ximena Mimica, MD3; Piyush Gupta, MD3; Snehal Patel, MD3; Richard Wong, MD3; Jatin Shah, MD3; Ian Ganly, MD, PhD3; Marc Cohen, MD3; ‘New York Presbyterian Hospital; ‘Memorial Sloan Kettering Cancer Center

(P451) VOLUMETRIC GROWTH RATE OF ORAL CAVITY SQUAMOUS CELL CARCINOMA: ASSOCIATION WITH MAJOR RISK FACTORS AND PATHOLOGIC STAGING
Jacob G Wihildal, HBSc; Adrian I Mendez, MD, PhD, FRCSC; University of Western Ontario

(P452) USING ARTIFICIAL INTELLIGENCE TO PREDICT NODAL METASTASES IN SQUAMOUS CELL CARCINOMA OF THE TONGUE
Antoinette R Esce; Jordan P Redeman; Garth T Olson; Josh Hanson; Shweta Agarwal; Nathan H Boyd; David R Martin; University of New Mexico

(P453) AN AUDIT OF SECOND PRIMARY MALIGNANCES (SPM)IS IN SURVIVORS OF LOCALLY ADVANCED ORAL CAVITY SQUAMOUS CARCINOMA (OSCC)
Sarban Bhosh Laskar, MD1; Abhishek Chatterjee, MD1; Sahil Sood, MD1; Devendra Chaukar1; Shwetabh Sinha1; Jai Prakash Agarwal1; Tejal Gupta1; Ashwini Budrukkar1; Vedang Murthy1; Naveen Mummudi1; Monali Swain1; Pankaj Chaturvedi1; Prathamesh Pai1; Gouri Pantvaidya1; Anuja Deshmukh1; Deepa Nair1; Sudhir Nair1; Mandal Deshpande1; Anil K DCruz1; Kumar Prabhashi1; Amit Joshi1; Vanita Noronha1; ‘Tata Memorial Hospital; ‘Kokilaben Dhirubhai Ambani Hospital; ‘Apollo Cancer Centre

(P454) EVALUATION OF MACHINE LEARNING AND STATISTICAL PREDICTIVE TOOLS FOR HOSPITAL LENGTH OF STAY IN PATIENTS WITH ORAL CAVITY CANCER
Hedyeh Ziai; Konrado Deutsch; Alexander Gabinet-Equihua; Jingyue Huang; Shuja Khalid; Christopher End; David P Goldstein; Ralph W Gilbert; Jonathan C Irish; Antoine Eskander; Frank Rudzicz; Wei Xu; John R de Almeida; University of Toronto

(P455) USE OF INJECTABLE ALGINATE-BASED HYDROGEL IN HEAD AND NECK SUBMUCOSAL HYDRODISSECTION: A FEASIBILITY STUDY
David Y Goldrich, MD1; Chuying Ma, PhD2; Shivam Patel, BS1; Parker Burrows, BS1; Neerav Goyal, MD1; ‘The Pennsylvania State University College of Medicine, Hershey PA; ‘Aleo BME Inc, State College PA

(P456) ELECTRONIC NICOTINE DELIVERY SYSTEMS AND THE HUMAN ORAL MICROBIOME A SYSTEMATIC REVIEW OF THE LITERATURE
Thomas O’Neil, BS; Senu Apewokin, MD; Chad Zender, MD; Scott Langevin, PhD, MHA, CTASCP; University of Cincinnati College of Medicine

(P457) CORRELATION OF TREATMENT OUTCOME IN ORAL CAVITY SCC WITHIN DIFFERENT AGE GROUP
Dalia Alarfaj; Mishael Alharbi; Mansour Alassiry; Saud Ijaz; Turki Almuhaimid; King Fahad specialist hospital

(P458) NECK WATCHFUL WAITING VS PROPHYLACTIC NECK DISSECTION IN CT1N0 ORAL CAVITY CARCINOMA
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(P459) RADIOPATHOLOGICAL CORRELATION OF DEPTH OF INVASION OF ORAL TONGUE CANCER- A COMPARISON OF RADIOLOGICAL MODALITIES
Ajay Narendra, DR; Shamit Chopra, DR; Ramandeep Kaur, DR; Patel Hospital
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(P460) THE ROLE OF TONGUE CARCINOMA IN MEDIATING AGE-ASSOCIATED DIFFERENCES IN ORAL CANCER SURVIVAL
Ahmed Toure, BA; Andrew Tassler, MD; Weill Cornell Medicine

(P461) CLINICAL CHARACTERISTICS OF LOW-RISK PATIENTS DEVELOPING ORAL CAVITY CANCER
Shruthi Sethuraman, BS; Stephen Y Kang, MD; Kyle Vanoeevering, MD; Ricardo L Carrau, MD; Enver Ozer, MD; Amit Agrawal, MD; James W Rocco, MD, PhD; Matthew O Old, MD; Nolan Seim, MD; 1The Ohio State University College of Medicine; 2Department of Otolaryngology, The Ohio State University Wexner Medical Center

(P462) THE LYMPH NODE RATIO, PROGNOSTIC FACTOR IN CANCER OF THE ORAL CAVITY
Francisco Gallegos, MD; Carolina Mesias, MD; José Abrego, MD; Hospital de Oncologia, CMN SXXI, IMSS

(P463) THE INTERACTION OF CANCER ASSOCIATED FIBROBLASTS AND PERI-TUMORAL INFLAMMATORY RESPONSE IS ASSOCIATED WITH SURVIVAL OUTCOMES FOR PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA
Susannah Orzell, MD; Neil Verma, MD; Yelda Jozaghi, MD; Matthew Mifsud, MD; Martin Hyrcza, MD, PhD; Doaa AlGhamdi, MD; Carolyn Barsoum, MA; Bayardo Perez-Ordonez, MD; Ilan Weinreb, MD; Jason Wassemman, MD, PhD; David Goldstein, MD, MSc; Dale Brown, MB; John R de Almeida, MD, MSc; Patrick Gullane, MB; Ralph Gilbert, MD; Jonathan Irish, MD, MSc; Susie Su; Wei Xu, PhD; Laurie Ailles, PhD; Douglas B Chepeha, MD, MSc; 1Department of Otolaryngology – Head & Neck Surgery, Princess Margaret Cancer Centre, University Health Network, University of Toronto, Toronto, ON, Canada; 2Ontario Institute for Cancer Research, Toronto, ON, Canada

(P464) COMPARISON OF DIAGNOSTIC CHARACTERISTICS BETWEEN SENTINEL-NODE BIOPSY (SNB) AND RADIO-GUIDE ELECTIVE NECK DISSECTION IN PATIENTS WITH ORAL TONGUE CANCER CT1-2N0M0.
Maxim Kotov, MDPhD; Zamira Radzhabova, MDPhD; Sergei Novikov, MDPhD; FSBI «N.N. PETROV NATIONAL MEDICAL RESEARCH CENTER OF ONCOLOGY»

(P465) CHARACTERISTICS OF NON-SMOKERS WITH RESECTABLE ORAL CAVITY CANCER
Hadley Heindel, MD; Justin Hall, MD; Kathryn Hitchcock, MD, PhD; Rekha Garg, PhD; Amy Fullerton, SLP, PhD; Ramzi Salloum, PhD; Deepa Danan, MD; Brian Hughley, MD; Peter Dziegielewski, MD; Natalie Silver, MD; 1University of Florida; 2Wake Forest University

(P466) SMOKELESS TOBACCO USAGE AND DEVELOPMENT OF ORAL CANCER – A PROSPECTIVE STUDY
Poonam Joshi, Dr; Sudhir Nair, Dr; Pankaj Chaturvedi, Dr; Tata Memorial Hospital

(P467) IMPACT OF RECONSTRUCTIVE TECHNIQUE ON TIME TO LOCAL RECURRENCE OF T1-T3 ORAL CAVITY SQUAMOUS CELL CARCINOMA
Jake J Lee, MD, MSCI; Stanley Chibueze, BS; Daniel P Lander, MD, MSCI; Dorina Kallogjeri, MD, MPH; Joseph Zenga, MD; Patrik Pipkorn, MD, MSCI; 1Washington University School of Medicine; 2Medical College of Wisconsin School of Medicine

(P468) AN EVALUATION OF THE DEFINITION OF CLOSE MARGIN IN SQUAMOUS CELL CARCINOMA OF THE ORAL TONGUE AND ITS POSSIBLE PROGNOSTIC SIGNIFICANCE
Zarah Abeln1; Baris Karakullukcu; 1Erasmus MC Rotterdam; 2Antoni van Leeuwenhoek Hospital - Amsterdam

(P469) THE MICROBIOME IN TUMOR TISSUE AND ORAL RINSES ARE ASSOCIATED WITH THE TRIPLE NEGATIVE ORAL SQUAMOUS CELL CARCINOMA.
Marco Li; Zigui Chen; Paul Chan; Eric Lau; Eddy Wong; Zenon Yeung; Jason Chan; CUHK

(P470) SILENCING DNA POLYMERASE ? INDUCES ANEUPLOIDY AS A BIOMARKER OF POOR PROGNOSIS IN ORAL SQUAMOUS CELL CANCER
Hui-Ching Wang; Medical University Hospital, Kaohsiung Medical University

(P471) PRESURGICAL CHEMOTHERAPY FOR LOCoregionally ADVANCED HPV- ORAL CAVITY AND OROPHARYNGEAL CANCERS
John T Loree, MD; Saurin R Popat, MD, MBA; Mark S Burke, MD; Naheed Alam, MD; Jenny Romero, MD; Michael Y Nagai, DDS, MD; Christopher J Hughes, MBBS, FRCR; Daniel Ford, PA; Samuel H Moore, BS; Thom R Loree, MD; 1Department of Surgery, Lewis Katz School of Medicine, Temple University Health System; 2Erie County Medical Center Department of Head and Neck and Plastic Surgery, Department of Otolaryngology-Head & Neck Surgery, SUNY: Buffalo; 3Erie County Medical Center, Department of Medical Oncology; 4University of Buffalo Jacobs School of Medicine and Biomedical Sciences
(P474) SKIP METASTASES IN PATIENTS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA
Adwight Risbud, BS; Emily Nguyen, BS; Jonathan C Pang, BA; Brooke Sarna, BS; Mehdi Abouzari, MD, PhD; Yarah M Haidar, MD; William B Armstrong, MD; Tjoson Tjoa, MD; UC Irvine Department of Otolaryngology - Head and Neck Surgery

(P475) THE PRESENCE OF TUMOR SATELLITES IS AN INDEPENDENT PROGNOSTIC FACTOR IN PATIENTS WITH ORAL CANCER
Eyal Yosefof, MD; Leemor Wallach, MD; Yuval Miller; Sharon Tzelnick, MD; Yulia Strenov, MD; Gideon Bachar, MD; Thomas Shpitzer, MD; Aviram Mizrachi, MD; Rabin Medical Center

(P476) NOT ALL CLOSE MARGINS ARE CREATED EQUAL: EVALUATING THE EFFECT OF CLOSE MARGINS IN LOCAL RECURRENCE RATES IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Brian Boyce1; Varsha Natarajan2; Jonah Adler2; Mark El-Deiry2; Mihir Patel1; Azeem Kaka1; HM Baddour1; Nicole Schmitt1; Arturo Solares1; Jennifer Gross1; 1Emory School of Medicine; 2Emory Rollins School of Public Health

(P479) RETROMOLAR TRIGONE SQUAMOUS CELL CARCINOMA: A POPULATION-BASED ANALYSIS OF SURVIVAL
Julia C Comer, MD1; Robert B King, MD1; Andrew B Harris, MD2; Peter T Dziegielewski, MD3; 1University of Florida; 2Johns Hopkins University

(P480) ROLE OF DEPTH OF INVASION IN NODE NEGATIVE ORAL TONGUE SQUAMOUS CELL CARCINOMA: DOES IT IMPACT LOCAL RECURRENCE?
Rushil R Dang, BDS, DMD; Jaegak Kim, DMD; Muhammad M Qureshi, MBBS, MPH; Grace Zhao, MD; Andrew Salama, MD, DDS; Minh Tam Truong, MD; Boston Medical Center

(P481) ONCOLOGIC OUTCOMES OF MICROSCOPIC TUMOR CUT-THROUGH IN ORAL LOCALLY ADVANCED ORAL SQUAMOUS CELL CARCINOMA
Guilherme Reimann Agne, MD; Hugo Fontan Kohler, MD; Thiago Celestino Chulam, MD, PhD; Clóvis A Lopes Pinto, MD, PhD; Ivete Fabelo Pereira da Silva Rodrigues, MD, PhD; José G Vartanian, MD, PhD; Luiz P Kowalski, MD, PhD; A. C. Camargo Cancer Center

(P482) DETECTING RECURRENT ORAL CAVITY SQUAMOUS CELL CARCINOMA AND THE ROLE OF POST-OPERATIVE SURVEILLANCE IMAGING VERSUS CLINICAL EXAM
Brian Boyce1; Varsha Natarajan2; Jonah Adler2; Mark El-Deiry2; Mihir Patel1; Azeem Kaka1; Jennifer Gross1; Nicole Schmitt1; Solares Arturo1; HM Baddour1; 1Emory School of Medicine; 2Emory Rollins School of Public Health

(P483) THE EVALUATION OF BMI AS A RISK FACTOR FOR LATERAL TONGUE SQUAMOUS CELL CARCINOMA
Emily Aleksa, BScCh1; Christopher Szeto, BSc, MD, FRCS; Matthew Lauzon, BEng1; Will Irvine4; Fadel Ishak, BSc, MD, FRCS; Andrew Pearce, BSc, MSc, MD, FRCPSC; Deborah Saunders, BSc, DMD; 1Northern Ontario School of Medicine; 2Division of Otolaryngology and Head and Neck Surgery, Health Sciences North; 3Health Sciences North, North East Cancer Center; 4Laurentian University; 5Division of Radiation Oncology, Health Sciences North

(P486) LOCAL EXTENT OF TUMOR PREDICTS OUTCOME OVER AND ABOVE THE T STAGING OF TONGUE CANCER: A TOOL TO IDENTIFY AGGRESSIVE DISEASE WITHIN THE SAME T STAGE
Arjun G Singh, MDS, MFDS, RCPS; Satadru Roy; Pranav Sathe; Florida Sharin; Vidisha Tuljapurkar; Deepa Nair; Pankaj Chaturvedi; Tata Memorial Hospital, Mumbai

(P487) EVALUATION OF CLINICAL CHARACTERISTICS AND COMORBIDITIES AMONG YOUNG ORAL CAVITY CANCER PATIENTS
Hilary McCrary1; Seungmin Kim2; Kerry Rowe2; John Snyder2; Vikrant Deshmukh3; Michael Newman4; Alison Fraser5; Ken Smith6; Mia Hashibe7; Marcus Monroe8; 1University of Utah, Division of Otolaryngology – Head and Neck Surgery; 2Division of Public Health, Department of Family and Preventive Medicine, University of Utah School of Medicine, and Huntsman Cancer Institute, Salt Lake City, UT; 3Intermountain Healthcare, Salt Lake City, UT; 4University of Utah Health Care CMIO Office, Salt Lake City, UT; 5Pedigree and Population Resource, Population Sciences, Huntsman Cancer Institute, Salt Lake City, UT

(P489) FEATURES AND OUTCOMES OF RAPID EARLY RECURRENCE IN ORAL CAVITY CANCER TREATED WITH SURGERY AND RADIATION
Caitlin P McMullen, MD; Jimmy Caudell, MD, PhD; Joaquim M Farinhas, MD, MBA; Moffitt Cancer Center

(P491) NON-INVASIVE IMAGING SYSTEMS IN THE DIAGNOSIS OF ORAL CANCER AND DYSPLASTIC ORAL POTENTIAL MALIGNANT DISORDER: A SYSTEMATIC REVIEW AND META-ANALYSIS
Pramila Mendonca, MDS; Sumsum P Sunny, MDS; Uma Mohan, MDS; Amritha Suresh, PhD; Moni A Kuriakose, MD; Department of Head and Neck Oncology, Mazumdar Shaw Medical Center, NH Health City, Bangalore, India
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(P492) NANOPARTICLE MEDIATED PHOTODYNAMIC TUMOR ABLATION AS A THERAPEUTIC STRATEGY FOR ORAL CANCERS IN BIOLOGICALLY AND CLINICALLY RELEVANT ANIMAL MODELS.
Axel Sahovaler1; Catriona Douglas, MD1; Harley Chan, PhD1; Donovan Eu, MD1; Jason Townson, PhD1; Juan Chen, PhD1; Gang Zheng, PhD1; Nidal Muhamma, MD, PhD2; Jonathan Irish, MD1; 1Princess Margaret Cancer Centre and University Health Network, TECHNA Institute, Guided Therapeutic (GTx) Program, Toronto, ON, Canada.; 2Princess Margaret Cancer Centre and University Health Network, TECHNA Institute, Guided Therapeutic (GTx) Program, Toronto, ON, Canada.Department of Otolaryngology-Head and Neck Surgery, Tel Aviv Sourasky Medical Center, Tel Aviv University, Israel.

(P494) ADJUVANT TREATMENT IMPROVES OVERALL AND DISEASE-FREE SURVIVAL IN T4AN0 ORAL CAVITY SQUAMOUS CELL CARCINOMA WITH MANDIBLE INVASION: A SINGLE-CENTER STUDY
Gaelen B Stanford-Moore, MD, MPhil1; Ana Marija Sola, BS2; Jason Chan, MD3; Ivan El-Sayed, MD1; Jonathan George, MD, MPH1; Patrick Ha, MD1; William R Ryan, MD1; Chase Heaton, MD1; 1UC San Francisco Department of Otolaryngology/Head and Neck Surgery; 2UC San Francisco School of Medicine; 3UC San Francisco Department of Radiation Oncology

(P495) LYMPH NODE RATIO AND DEPTH OF INVASION IN CN0 ORAL TONGUE SQUAMOUS CELL CARCINOMA: A RETROSPECTIVE REVIEW
Michael Xie, MD1; Peter Dziegielewski, MD, FRCS; Nhu-Tram Nguyen, MDCM, FRCP; Hadi Seikaly, MD, MAL, FRCS; Jeffrey Harris1; Dan O’Connell, MD, FRCS; Vincent Biron, MD, PhD, FRCS; Stuart D Archibald, MD, FRCS; Bernard S Jackson, MD, FRCS; James Young, MD, FRCS, FACS1; Michael K Gupta, MD, MSc, FRCS; Han Zhang1; McMaster University; University of Florida; University of Alberta

(P496) PROGNOSTIC IMPLICATIONS OF SKIN INVASION IN LOCALLY ADVANCED ORAL CAVITY SQUAMOUS CELL CARCINOMA
Jennifer Diebolt, MD; Stephanie Wood, MD; Andrea Ziegler, MD; Mark Villwock, MS; Sameer Alvi, MD; Kiran Kakarala, MD; Yelizaveta Shnayder, MD; Gregory Gan, MD, PhD; Christopher Lominska, MD; Prakash Neupane, MD; Kevin J Sykes, MPH, PhD; Andrs M Bur, MD; University of Kansas Medical Center

(P497) INTRAOPERATIVE MANDIBLE BONE-MARROW FROZEN SECTIONS ARE AN EFFECTIVE PREDICTOR OF FINAL BONE MARGINS: A 10-YEAR RETROSPECTIVE STUDY
Mohamad Z Saltagi, MD; Christine Yang, MS; Morgan Sandelski, MD; Jessica Yesensky, MD; Avinash Mantravadi, MD; Michael G Moore, MD; Michael W Sim, MD; Indiana University School of Medicine

(P498) PROGNOSTIC FACTORS FOR LOCOREGIONAL AND DISTANT EARLY FAILURE IN ORAL TONGUE SQUAMOUS CELL CARCINOMA WITHIN SIX MONTHS OF TREATMENT
Sunil Kumar, Dr; Mudit Agarwal, Dr; Kiran Joshi; Abhishek Singh; Shashank Chaudhary; Shreya Rai; Rajiv Gandhi Cancer Institute, Rohini, Delhi

(P499) THE ROLE OF DEPTH OF INVASION IN PATIENTS WITH PATHOLOGICALLY LOW-RISK, STAGE I ORAL CANCER MANAGED WITH PRIMARY TUMOR RESECTION ALONE
Ming-Hsien Tsai, MD; Kaohsiung Chang Gung Memorial Hospital, Kaohsiung, Taiwan

(P500) SQUAMOUS CELL CARCINOMA OF THE BUCCAL MUCOSA: A MULTI-INSTITUTIONAL ANALYSIS OF ONCOLOGIC OUTCOMES
Maxwell Y Lee1; Eric D Lamarre2; Joseph Scharp2; Brandon L Prendes3; Ahmed I Ghanem4; Jillian C Tsai5; Neal E Dunlap6; Howard Y Liu7; Brian B Burkey8; Nikhil P Joshi9; Jimmy J Caudell10; Farzan Siddiqui11; Sandro V Porceddu12; Nancy Y Lee13; Larisa Schwartzman14; Shlomo A Koyfman15; David J Adelstein16; Christopher Lominska, MD; Prakash Neupane, MD; Kevin J Sykes, MPH, PhD; Andrs M Bur, MD; University of Kansas Medical Center

(P501) ADULT OSTEOSARCOMA OF THE MANDIBLE: A CASE-SERIES
John T Loree, MD1; Saurin R Popat, MD, MBA2; Anne Grand’Maison, MD2; Amanda Colebeck, DDS, MS4; Mark S Burke, MD1; Thom R Loree, MD2; 1Temple University Hospital System; 2Erie County Medical Center Department of Head and Neck and Plastic Surgery, Department of Otolaryngology-Head & Neck Surgery, SUNY: Buffalo, NY; 3Roswell Park Cancer Center Department of Medical Oncology: Buffalo, NY; 4Erie County Medical Center Department of Dentistry/Division of Oral Oncology: Buffalo, NY
(P502) RECURRENCE OF PREMALIGNANT LESIONS OF THE ORAL CAVITY AFTER INITIAL TREATMENT WITH PULSED DIODE LASER EXCISION
Emily Sagalow, BS; Ayan Kumar, MD; Raphael Banoub, MD; Adam Lugjubuhl, MD; Joseph M Curry, MD; Thomas Jefferson University Hospital

(P503) PATTERNS OF DISTANT FAILURE AND PREDICTORS OF OVERALL SURVIVAL IN METASTATIC ORAL CAVITY SQUAMOUS CELL CARCINOMA
Aiman J Faruqi, Medical Student; Christopher W Fleming; Mario Belfiglio; Neil M Woody; Nikhil P Joshi; Hong Li; Deborah J Chute; Jamie Ku; Brandon Prendes; Eric Lamarre; Robert R Lorenz; Joseph Scharpf; Brian B Burkey; Jessica Geiger; David J Adelstein; Shlomo A Koyfman; Cleveland Clinic Lerner College of Medicine; Cleveland Clinic, Taussig Cancer Institute, Department of Radiation Oncology; Cleveland Clinic, Lerner Research Institute, Department of Quantitative Health Science; Cleveland Clinic, Department of Pathology; Cleveland Clinic, Head and Neck Institute; Cleveland Clinic, Taussig Cancer Institute, Department of Hematology and Medical Oncology

(P504) SURVIVAL OUTCOMES IN ORAL CAVITY CANCER PATIENTS WITH POSITIVE MARGINS: IS ADJUVANT TREATMENT COMPARABLE TO RE-RESECTION?
Mustafa G Bulbul, MD; Anuraag S Parikh, MD; Ayaz Khawaja, MD; Andrew J Holcomb, MD; Allen L Feng, MD; Nicholas B Abt, MD; Tara Mokhtari; Sidharth V Puram, MD, PhD; Kevin S Emerick, MD; Daniel G Deschler, MD; Jeremy D Richmon, MD; Derrick T Lin; Mark A Varvares; West Virginia University; The Ohio State University; Wayne State University; Harvard/Massachusetts Eye and Ear; University of Michigan; Washington University in St. Louis

(P505) EVALUATION OF INTRAOPERATIVE FROZEN SECTION COLLECTION AND ANALYSIS IN PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: A RETROSPECTIVE REVIEW OF 157 SPECIMENS
Isabelle Gengler, MD; Tazheh Kavoosi; Matthew Hagen, MD, PhD; Nicholas Protopsaltis, MD; Erin Langevin, MHS, PA; Yash Patil, MD; Brian Cervenka, MD; Alice Tang, MD; Chad Zender, MD, FACS; University of Cincinnati

(P506) EVALUATION OF INTRAOPERATIVE FROZEN SECTION COLLECTION AND ANALYSIS IN PATIENTS WITH SQUAMOUS CELL CARCINOMA OF THE ORAL CAVITY: A RETROSPECTIVE REVIEW OF 157 SPECIMENS
Ahmad Khawaja, MD; Khalid Alkhawaja, MD; Andrew J Holcomb, MD; Allen L Feng, MD; Nicholas B Abt, MD; Tara Mokhtari; Sidharth V Puram, MD, PhD; Kevin S Emerick, MD; Daniel G Deschler, MD; Jeremy D Richmon, MD; Derrick T Lin; Mark A Varvares; West Virginia University; The Ohio State University; Wayne State University; Harvard/Massachusetts Eye and Ear; University of Michigan; Washington University in St. Louis

(P507) NODE DISEASE STATUS OF PATIENTS TREATED WITH SURGICAL RESSECTION AND NECK DISSECTION FOR ORAL CAVITY SQUAMOUS CELL CARCINOMA: A NATIONAL CANCER DATABASE REVIEW
Vincent J Anagnos, DO; Aman Prasad; Ryan M Carey, MD; Karthik Rajasekaran, MD; Steven Cannady, MD; Jason Newman, MD; Jason Brant, MD; Robert M Brody, MD; University of Pennsylvania

(P508) DOES LYMPHOVASCULAR INVASION (LVI) PREDICT SURVIVAL IN ORAL CANCER? A POPULATION-BASED ANALYSIS
Robert B King, MD; Julia C Comer, MD; Andrew B Harris, MD; Peter T Dziegielewski, MD; University of Florida; Johns Hopkins University

(P509) DEMOGRAPHIC CHARACTERISTICS AND OUTCOMES IN NEVER-TOBACCO, NEVER-ALCOHOL USERS WITH ORAL CAVITY SQUAMOUS CELL CARCINOMA
Emily Z Yan, BS; Benjamin M Wahle, MD; Smrithi Chidambaram, BS; Erik R Nakken, BS, BA; Wade L Thorstad, MD; Angela L Mazul, PhD, MPH; Jose P Zevallos, MD, MPH, FACS; Department of Otolaryngology–Head and Neck Surgery, Washington University School of Medicine, St. Louis, Missouri, U.S.A.; Department of Radiation Oncology, Washington University School of Medicine, St. Louis, Missouri, U.S.A.

(P510) TUMOR BED MARGINS VS SPECIMEN MARGINS IN ORAL CAVITY CANCER: TOO CLOSE TO CALL?
Noémie Villemure-Poliquin, MD, MSc; Olivier Michaud, MD; François Thuot, MD, FRCSC; Jacinthe Chênevert, MD, FRCPC; Nathalie Audet, MDCM, FRSC; Département d’ophthalmologie et d’oto-rhino-laryngologie – chirurgie cervico-faciale, Faculté de Médecine, Université Laval, Québec, QC, Canada; Département d’anatomo-pathologie, Faculté de Médecine, Université Laval

(P511) IMPACT OF PERINEURAL INVASION ON ONCOLOGIC OUTCOMES IN EARLY-STAGE ORAL CAVITY SQUAMOUS CELL CARCINOMA. A SEVEN-INSTITUTION ANALYSIS OF 532 PATIENTS
Andrew J Holcomb, MD; Claire Tolan, BA; Erin Whiteford, MS; Christina Ward, MS; Mark Villwock, MS; Erin Dimon, BS; Kiran Kakarala, MD; Yelizaveta Shnayer, MD; Kevin Sykes, PhD; Christopher Lominska, MD; Gregory Gan, MD, PhD; Elyse K Hanly, MD, PhD; Marisa R Buchakjian, MD, PhD; Brette Harding, MD; Laura Dooley, MD; Justin Shinn, MD; C. Burton Wood, MD; Sarah Rohde, MD; Sobia Khaja, MD; Nicholas B Abt, MD; Mark A Varvares, MD; Andrés M Bur, MD; Massachusetts Eye and Ear / Harvard Medical School; Department of Head & Neck Surgical Oncology, Estabrook Cancer Center, Nebraska Methodist Hospital; University of Kansas Department of Otolaryngology Head and Neck Surgery; University of Kansas Medical Center; University of Iowa; University of Minnesota; Vanderbilt University; University of Minnesota
(P512) HPV POSITIVE ORAL CAVITY CANCER
John T Loree, MD; Christopher J Hughes, MBBS, FRACS, FAHNOS; Michael Y Nagai, MD, DDS; Mark S Burke, MD; Saurin R Popat, MD, MBA; Thom R Loree, MD. 1Temple University Hospital System, Department of Surgery; 2Department of Head & Neck Surgery and Plastic & Reconstructive Surgery, Erie County Medical Center; Department of Otolaryngology-Head & Neck Surgery; Department of Surgery, State University of New York at Buffalo, Buffalo, New York

(P513) IDENTIFYING GENERATIONAL RISK FACTORS OF ORAL TONGUE SQUAMOUS CELL CARCINOMA
Shreya Mathur, BA; Albert Y Han, MD, PhD; Dipti Sajed, MD, PhD; Maie St. John, MD, PhD; University of California, Los Angeles

(P514) THE EFFECT OF RECONSTRUCTION ON POSITIVE MARGIN RATES IN ORAL CANCER: USING LENGTH OF STAY AS A PROXY MEASURE FOR FLAP RECONSTRUCTION IN A NATIONAL DATABASE
David A Campbell, MD; Patrick Pipkorn, MD; Sidharth Puram, MD, PhD; Vasu Divi, MD; Michael Stadler, MD; Becky Massey, MD; Bruce Campbell, MD; Evan Graboyes, MD; Mark A Varvares, MD; Jeremy D Richmond, MD; Joseph Zenga, MD. 1Medical College of Wisconsin; 2Washington University School of Medicine; 3Stanford University School of Medicine; 4Medical University of South Carolina; 5Massachusetts Eye and Ear, Harvard Medical School

(P516) INDICATIONS FOR GASTROSTOMY TUBE PLACEMENT IN ORAL CANCER PATIENTS UNDERGOING RESECTION WITH IMMEDIATE FREE FLAP RECONSTRUCTION
Libby R Copeland-Halperin, MD; Prashanthi Divakar, MD; Nina Shank, MD; Laura C Herrera-Gomez, BA; Talia Stewart, MD; Joshua J Levy, BA; John F Nigriny; Joseph A Paydarfar. 1Dartmouth Hitchcock Medical Center; 2Geisel School of Medicine

(P518) ASSESSING RISK OF ORAL CANCER PROGRESSION USING AN S100A7 IMMUNOHISTOCHEMICAL SIGNATURE-BASED ASSAY
Mark R Darling, BChD, MSc, DentMed, MChD; Emma MacDonald; Taylor P McGuire, BSc, DDS, MSc, FRCDC, DIP, ABOMS, FACS; Christina McCord, MSc, DDS, FRDCC; Jason T Hwang, HBSc, MSc, PhD; 1The University of Western Ontario; 2Argyle Associates Oral & Maxillofacial Surgery; 3Proteocyte Diagnostics Inc.

(P522) IMPACT OF HISTOLOGIC RISK FACTORS ON RECURRENCE RATES FOR ORAL CAVITY SQUAMOUS CELL CARCINOMA
Maxwell P Kligerman, MD, MPH; Peter Moon, BA; Mahbuba Tusty, BA; Jeffrey M Cloutier, MD; Christopher F Holsinger, MD; Vasu Divi, MD; Stanford

(P523) THE IMPACT OF POSITIVE MARGINS ON SURVIVAL IN ORAL CAVITY SQUAMOUS CELL CARCINOMA
Vishaal Patel; Thomas Galloway, MD; Jeffrey Liu, MD; Temple University; 2Fox Chase Cancer Center

(P524) POSITIVE MARGINS MATTER REGARDLESS OF SUBSEQUENT RESECTION FINDINGS
Brendan Coutu, MD; Evan Ryan, BS; Dallin Christensen, MD; Elizabeth Bradford Bell, MD; Weinig Zhen; Zafar Sayed, MD; University of Nebraska Medical Center

(P525) THE DEVELOPMENT OF FOREIGN ACCENT SYNDROME FOLLOWING ORAL CAVITY SURGERY - A CASE SERIES AND REVIEW OF THE LITERATURE
Nicole M Fowler, MD; Claudia I Cabrera, MD; University Hospitals Cleveland Medical Center

(P526) REAL-TIME RAMAN SPECTROSCOPY IN MARGIN ANALYSIS OF HEAD AND NECK SQUAMOUS CELL CARCINOMA PATIENTS
Chwee Ming Lim; Chi Shu; Kan Lin; Zhi Wei Huang; 1Singapore General Hospital, Duke-NUS Medical School; 2National University of Singapore

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(P527) UNDERSTANDING PREDICTORS OF SURVIVAL IN OLDER ADULTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA
Traeden Wilson; Lindsay Fleischer; Shivam Patel; Anil Bhatnagar; Nadir Ahmad, MD, FACS; Kinjal Dargan, MD; Gregory Kubicek, MD. 1Cooper Medical School of Rowan University, Camden, New Jersey 08103, USA; 2Department of Otolaryngology - Head and Neck Surgery, Cooper University Hospital, Camden, NJ 08103, USA; 3Department of Hematology and Medical Oncology, Cooper University Hospital, Camden, NJ 08103, USA; 4Department of Radiation Oncology, Cooper University Hospital, Camden, NJ 08103, USA

(P528) ASPIRIN USE AND THE ROLE OF PIK3CA RNA EXPRESSION AS A BIOMARKER IN HEAD AND NECK CANCERS
Wesley H Stepp, MD, PhD; Nicholas Lenze, MPH; Samip N Patel, MD; Trevor G Hackman; Catherine J Lumley, MD; University of North Carolina
(P529) TREATMENT OF HEAD AND NECK CARCINOMA OF UNKNOWN PRIMARY: CRACKING A NUT WITH A SLEDGEHAMMER?
Diako Berzenji; Dominiek Monserez; Gerda Verduijn; Emilie Dronkers; Peter Jansen; Stijn Keereweer; Aniel Sewnaik; Robert Jan Baatenburg de Jong; Jose Hardillo; Erasmus MC Cancer Institute

(P530) PREVALENCE OF HPV IN TUMOR SAMPLES FROM 761 PATIENTS WITH HEAD AND NECK SQUAMOUS CELL CARCINOMA AND ITS ASSOCIATION TO CLINICAL AND EPIDEMIOLOGICAL DATA IN BRAZILIAN PATIENTS
Adolfo C Sasaki, MD1; Leonardo F Rios, MD, PhD2; Pamela O Soares, MSc3; Jose E Levi, PhD3; Rosana V Lopez, MPH, PhD3; Alexandre B Santos, MD, PhD3; Raquel A Moyes, MD, MPH, PhD3; Luiz P Kowalski, MD, PhD3; 1Head and Neck Surgery Department - LIM28 - Hospital das Clinicas HCFMUSP, Faculdade de Medicina, Universidade de Sao Paulo, Sao Paulo, SP, Brazil; 2Institute for Tropical Medicine, Universidade de Sao Paulo, Sao Paulo, SP, Brazil; 3Instituto do Cancer do Estado de Sao Paulo (ICESP) - Hospital das Clinicas HCFMUSP, Faculdade de Medicina, Universidade de Sao Paulo, Sao Paulo, SP, Brazil

(P531) A COMPARISON OF EXPOSURE TECHNIQUES FOR TRANSORAL ROBOTIC SURGERY
Kevin J Carlson, MD; Matthew J Bak, MD; Jonathan R Mark, MD; Eastern Virginia School of Medicine

(P533) TREATMENT FAILURE PATTERNS IN P16+ AND P16- OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Chelsea S Hamill, MD; Richard G Muller, MD; Kate Clancy, MD; Brandon Vu, BS; Laurel Gui, PhD; Jason E Thuenen; Jay Wasman, MD; Shawn Li, MD; Nicole Fowler, MD; Rod P Rezaee, MD; Pierre Lavertu, MD; Theodoros N Teknos, MD; Quintin Pan, PhD; Wendi Q O'Neill, MD, DDS; University Hospitals/Cleveland Medical Center

(P536) PROGNOSTIC IMPACT OF HPV STATUS AND DISEASE-FREE INTERVAL IN SALVAGE SURGERY FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Daniel Sharbel, MD; Katie Melder; Patrick Morgan; Daniel Blumenthal; Sungweon Kim; David Neskey; James K Byrd; William G Albergotti; 1Medical College of Georgia at Augusta University, Department of Otolaryngology-Head and Neck Surgery; 2University of Pittsburgh Medical Center, Department of Otolaryngology-Head and Neck Surgery; 3University of Miami Miller School of Medicine, Department of Otolaryngology-Head and Neck Surgery; 4George Washington University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; 5Medical University of South Carolina, Department of Otolaryngology-Head and Neck Surgery

(P537) PATHOS: A PHASE III TRIAL OF RISK-STRATIFIED, REDUCED INTENSITY ADJUVANT TREATMENT IN PATIENTS UNDERGOING TRANSORAL SURGERY FOR HUMAN PAPILLOMAVIRUS (HPV)-POSITIVE OROPHARYNGEAL CANCER
Christie Heiberg1; J Canham1; N Palaniappan2; M Beasley3; M Robinson4; N Powell5; C Simon6; A Dietz7; S Tribius8; C Hurt9; L Nixon10; C Frayne11; H Timmins12; R Wilson13; B Haughey14; S Kandula15; B Panizza16; S Porceddu17; H Mirghani18; P Blanchard19; 1Centre for Trials Research; 2Velindre University NHS Trust; 3University Hospitals Bristol and Weston NHS Foundation Trust; 4Royal Victoria Infirmary; 5Cardiff University School of Medicine; 6University of Lausanne; 7Leipzig University; 8Hermann-Holthusen Institute of Radiation Oncology; 9Advent Health; 10Metro South Health; 11European Hospital Georges Pompidou; 12Institut de Cancérologie Gustave Roussy; 13Liverpool Head and Neck Centre

(P538) EXPERIENCE WITH TRANSORAL STYLOIDECTOMY FOR EAGLE SYNDROME IN CANADA: A CASE SERIES
Jonathan Reid; Daniel O’Connell, MD, MSc; University of Alberta Division of Otolaryngology – Head and Neck Surgery

(P540) OUTCOMES OF A TUMOR BOARD BASED PROTOCOL FOR OROPHARYNGEAL CANCER TREATMENT
Jin Soo Song; Hadi Seikaly; Daniel O’Connell; Jeffery Harris; Vincent Biron; University of Alberta, Division of Otolaryngology - Head and Neck Surgery

(P541) COMPARISON OF THE EFFECTIVENESS OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMA TREATMENT OVER TWO TIME PERIODS WITH RESPECT TO HPV INCIDENCE
Janez Mohorko, MD; Boštjan Lančnik, MD, PhD; UMC Maribor

(P542) ASSESSING TEMPORAL CHANGES IN SKELETAL MUSCLE MASS IN OROPHARYNGEAL CANCER PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY
Gopika Hari; Ricardo J Ramirez, MD; Sophie P Gerndt, MD; Hilary Orlowski, MD; Angela Mazul, PhD, MPH; Jose Zevallos, MD, MPH; Washington University in St. Louis

(P543) ACCURACY OF ULTRASOUND-GUIDED VERSUS PALPATION-GUIDED FINE NEEDLE ASPIRATION IN PATIENTS WITH HUMAN PAPILLOMAVIRUS-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
T J Haller, MD; K M Van Abel, MD; L X Yin, MD; C M Lohse, M, MS; J N Badaoui, MD; D L Price, MD; J L Kasperbauer, MD; E J Moore, MD; Mayo Clinic (Rochester, MN)
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(P544) DETECTION OF SECRETORY LEUKOCYTE PROTEASE INHIBITOR AS A POTENTIAL SALIVARY BIOMARKER OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Franklin Wu, BA; Margaret Nurimba, MD; Suma Gudivapati, BA; Diane DaSilva, PhD; Martin Kast, PhD; Uttam Sinha, MD; Keck School of Medicine

(P545) TOPICAL HEMOSTATIC AGENTS AND RISK OF POSTOPERATIVE HEMORRHAGE AFTER TRANSORAL ROBOTIC SURGERY
Guillermo Maza, MD; Arun Sharma, MD, MS, FACS; Department of Otolaryngology - Head and Neck Surgery. Southern Illinois University

(P546) ASSOCIATION BETWEEN E-CIGARETTE USE AND HIGH RISK ORAL HPV INFECTION
Patrick Herndon1; Japnam Jassal2; John Cramer, MD; 1Oakland University William Beaumont School of Medicine; 2Wayne State University School of Medicine

(P547) IMPACT OF TREATMENT CHOICE, SURGICAL VS. NON-SURGICAL, ON THE PROGNOSIS OF COMPLETE RESPONDERS IN P16+ AND P16- OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Richard G Muller, MD1; Chelsea S Hammill, MD1; Brandon Vu, BS7; Jason E Thuenier, MD1; Jay Wasman, MD1; Shawn Li, MD1; Nicole M Fowler, MD1; Rod P Rezaee, MD1; Pierre Lavertu, MD1; Theodoros N Teknos, MD1; Quintin Pan, PhD2; Wendi Q O’Neill, MS, DDS3; 1University Hospitals Cleveland Medical Center; 3Case Western Reserve University

(P548) ONCOLOGIC OUTCOMES IN PREDOMINANTLY MINORITY UNDERSERVED PATIENTS PRESENTING WITH OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Brielle R Crovetti, BSA4; Zipei Feng, MD, PhD5; Angela D Haskins, MD6; Vlad C Sandulache, MD, PhD6; David J Hernandez, MD6; 1Baylor College of Medicine; 2Baylor College of Medicine Bobby R. Alford Department of Otolaryngology Head and Neck Surgery

(P549) COMPARISON OF MARGINS AND SURVIVAL BETWEEN TRANSORAL ROBOTIC SURGERY (TORS) AND NON-ROBOTIC ENDOCOSCOPIC SURGERY FOR OROPHARYNGEAL CANCER
Matthew Groysman, BS; Steven J Wang, MD; Audrey Baker, MD; Shethal Beareally, MD; University of Arizona Department of Otolaryngology and Head and Neck Surgery

(P550) DO TREATMENT-RELATED PARAMETERS ACCOUNT FOR RACIAL SURVIVAL DIFFERENCES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA? A NATIONAL CANCER DATABASE STUDY
Daniel Zhu; Amanda Wong; Eun Jeong Oh; Seungjin Ahn; Michael Wotman; Tannay Sahai; Danielle Bottalico; Douglas Frank; Tristan Tham; 1Donald and Barbara Zucker School of Medicine at Hofstra/Northwell; 2University of Pennsylvania Perelman School of Medicine; 3College of Public Health and Health Professions, University of Florida; 4Department of Medicine, Icahn School of Medicine at Mount Sinai Hospital, New York, NY; 5Department of Hematology and Oncology, Lenox Hill Hospital, New York, NY; 6Department of Otolaryngology-Head and Neck Surgery, Albert Einstein College of Medicine, Bronx, NY; 7Department of Otolaryngology, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell

(P551) TRANSORAL ROBOTIC SUBMANDIBULAR GLAND TRANSPOSITION TO RECONSTRUCT RADICAL TONSILLAR RESECTION DEFECTS
Allan H Young, MD; Jo-Lawrence Bigcas, MD; Albert Yang, MD; Nathan Reeve, MD; Yuna Kim, MD; Robert C Wang, MD, FACS; University of Nevada at Las Vegas

(P553) P16 IS A PROGNOSTIC BIOMARKER IN ANTI-PD-1 IMMUNOTHERAPY-TREATED RECURRENT/METASTATIC OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS
Kate Clancy, MD1; Chelsea S Hamill, MD1; Wendi Q O’Neill, MS, DDS1; Jason Thuenier, MD1; Laurel Gui, PhD1; Shawn Li, MD1; Nicole Fowler, MD1; Rod Rezaee, MD1; Pierre Lavertu, MD1; Jay Wasman, MD1; Monaliben Patel, MD1; Anant Madabhusi, PhD1; Theodoros N Teknos, MD1; Quintin Pan, PhD2; 1University Hospitals Cleveland Medical Center; 2University Hospitals Seidman Cancer Center; 3Case Western Reserve University

(P554) A META-ANALYSIS OF THE QUALITY OF LIFE (QOL) OF RADICALLY TREATED LOCALLY ADVANCED OROPHARYNGEAL CANCERS
Arjun G Singh, MDS, MFDS, RCPS; Natarajan Ramalingam; Florida Sharin; Vidisha Tuljapurkar; Deepa Nair; Pankaj Chaturvedi; Tata Memorial Hospital, Mumbai
(P555) IMPROVED DISTANT METASTASIS-FREE SURVIVAL WITH INDUCTION CHEMOTHERAPY FOLLOWED BY SURGERY IN PATIENTS WITH HPV-ASSOCIATED OROPHARYNX CANCER
Liang Chen, MD1; Marco A Mascarella, MD, MSc, PhD2; Sarah Khalife, MD3; Agnihotram V Ramanakumar, PhD4; Keith Richardson, MD5; Arjun S Joshi, MD6; Reza Taheri, MD, PhD7; Andrew Fuson, MD4; Reza Forghani, MD, PhD2; Nathanial Bouganimi, MD8; Robert Siegel, MD9; Alex M Mlynarek, MD1; Michael P Hier, MD1; Nader Sadeghi, MD1; 1McGill University; 2University of Pittsburgh; 3George Washington University

(P556) THE ROLE OF MARGIN STATUS AFTER TORS FOR HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CANCER
Michael Z Cheng, MD1; Andrew B Tassler, MD2; Theresa Scognamiglio, MD3; David I Kutler, MD2; 1Otolaryngology-Head and Neck Surgery, Johns Hopkins Medicine; 2Otolaryngology-Head and Neck Surgery, Weill Cornell Medicine; 3Pathology and Laboratory Medicine, Weill Cornell Medicine

(P558) GEOGRAPHIC VARIATION OF HPV-RELATED CANCER INCIDENCE IN KENTUCKY USING SPATIAL SCAN STATISTIC
Alexandra Kejner, MD; Warren Christian; Feitong Lei; Xihua Mao; Benjamin Lehmkuhl, DO; 1McGill University; 2University of Pittsburgh; 3George Washington University

(P559) TREATMENT PARADIGMS AND SURVIVAL OUTCOMES FOR HPV-ASSOCIATED OROPHARYNGEAL CANCER PATIENTS USING THE NATIONAL CANCER DATABASE
Danielle Victoriano; Shreya Viswanathan; Jason A Brant, Assistant Professor; Robert Brody, Assistant Professor; University of Pennsylvania

(P560) ANALYSIS OF LYMPH NODE INVOLVEMENT PATTERN IN SQUAMOUS CELL CARCINOMA OF THE OROPHARYNX SUBMITTED TO TRANSORAL ROBOTIC SURGERY AND NECK DISSECTION
Jessica Marquet1; Paula Moretzsohn1; Fernando Dias1; Larissa Porfirio1; Izabella Santos1; Emilio Tosto1; Pedro Henrique Gonales1; 1INCA; 2HFAG

(P561) COMORBIDITY SCORE AS A PREDICTOR OF TREATMENT SELECTION AND SURVIVAL OUTCOMES IN PATIENTS WITH HPV-ASSOCIATED OROPHARYNGEAL CANCER
Samantha Shave, BS; Roger K Henry, BS, MBS; Craig A Bollig, MD; Rutgers Robert Wood Johnson Medical School

(P562) GENDER-BASED DIFFERENCES IN OUTCOMES AMONG SURGICALLY TREATED PATIENTS WITH HPV-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Ryan M Carey; Justin R Shinn, MD; Leila J Mady, MD, PhD, MPH; Harman S Parhar, MD, MPH; David Shimunov; Karthik Rajasekaran, MD; Steven B Cannady, MD; John N Lukens, MD; Alexander Lin, MD; Samuel Swisher-McClure, MD; Roger B Cohen, MD; Joshua M Baum, MD; Charu Aggarwal, MD, MPH; Jason G Newman, MD; Ara A Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD, PhD; Bert W O’Malley, Jr, MD; Gregory S Weinstein, MD; Robert M Brody, MD; University of Pennsylvania

(P563) UNKNOWN PRIMARY METASTATIC SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK IN A NON-HPV ENDEMIC REGION
Yoni Shopen, MD; Sharon Tzelnick, MD, MPH; Thomas Shpitzer, MD; Gideon Bachar, MD; Aviram Mizrachi, MD; Department of Otolaryngology - Head and Neck Surgery, Rabin Medical Center, Petah Tikva

(P564) HEMORRHAGE FOLLOWING TREATMENT FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A CASE SERIES
Madelyn N Stevens, MD1; John-Nicolas Gallant, MD, PhD1; Michael Feldman, MD2; Alexander Langerman, MD3; Young Kim, MD, PhD; Sarah L Rohde, MD; Kyle Mannion, MD; Robert Sinard, MD; James L Netterville, MD; Rohan Chitale, MD4; Michael C Topf, MD1; 1Dept of Otolaryngology - Vanderbilt University Medical Center; 2Dept of Neurological Surgery - Vanderbilt University Medical Center

(P565) PRESURGICAL CHEMOTHERAPY FOR HPV POSITIVE OROPHARYNGEAL SQUAMOUS CANCERS
John T Loree, MD1; Mark S Burke, MD2; Joseph L Muscarella, DO3; Naheed Alam, MD4; Jenny Romero, MD4; Daniel Ford, PA4; Michael Y Nagai, DDS, MD2; Christopher J Hughes, MBBS2; Saurin R Popat, MD, MBA2; Adam R Szymanowski, MD2; Thom R Loree, MD2; 1Department of Surgery, Temple University Health System; 2Department of Head and Neck and Plastic Surgery, Erie County Medical Center; Department of Otolaryngology-Head and Neck Surgery, University of Buffalo; 3University of Buffalo, Department of Otolaryngology-Head and Neck Surgery; 4Erie County Medical Center Department of Medical Oncology

(P566) COMPARISON OF PET/CT VERSUS TRIPLE ENDOSCOPY IN INITIAL WORKUP OF P16+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Richard G Muller, MD; Mark Weidenbecher, MD; David Ludlow, MD; Case Western Reserve University

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(P567) BRANCHIAL CLEFT CYST CARCINOMA: MORE CLARITY OR CONFUSION IN THE ERA OF HPV TESTING?
Tam Ramsey; Brian Lee; Vilok Desai; Neil Gildener-Leapman; Lisa Galati; Albany Medical Center

(P569) OROPHARYNGEAL CANCER; SURVIVAL OF THE ELDERLY.
T.J. de Jong, MSc; J.A. Hardillo, Dr; M.C. Dorr, MSc; E.A.C. Dronkers, Dr; Erasmus MC

(P570) COMPARISON OF PATIENTS WITH OROPHARYNX CANCER TREATED WITH TRANSORAL ROBOTIC SURGERY BASED ON UTILIZATION OF FREE FLAP RECONSTRUCTION; A RETROSPECTIVE REVIEW
Vincent J Anagnos, DO; Justin Shinn, MD; Leila J Mady, MD, PhD; David Shimunov; Gregory Weinstein, MD; Jason Newman, MD; Bert O’Malley, MD; Steven Cannady, MD; Karthik Rajasekaran, MD; Ara Chalian, MD; Devraj Basu, MD; Robert Brody, MD; University of Pennsylvania

(P571) METFORMIN AND OROPHARYNGEAL SQUAMOUS CELL CARCINOMA SURVIVAL
Manish Shaha; Payam Entezami; Ameya Asarkar; Jose Flores; Adam Blanchard; Taylor Thompson; Tara Moore-Medlin; Cherie Ann Nathan; LSU Shreveport

(P572) COST ANALYSIS OF PANENDOSCOPY VERSUS PET/CT IN THE DIAGNOSIS OF SYNCHRONOUS PRIMARIES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Payam Entezami, MD, MS1; Ameya Asarkar, MD1; Juraj Berkovic, MD1; Amol Takalkar, MD, MBA2; Cherie Ann Nathan, MD, FACS2; 1LSU Shreveport; 2Emory University

(P573) OROPHARYNGEAL RECONSTRUCTION IN THE ERA OF TRANSORAL SURGERY - AN ALGORITHMIC APPROACH
Daniel A O’Connell, MD, MSc; Vincent Biron, MD; Paul Tabet, MD; University of Alberta

(P574) EXTRATUMORAL INVASION: A UNIQUE PHENOMENON OF AGGRESSIVE RECURRENT UPPER AERODIGESTIVE TRACT SQUAMOUS CELL CARCINOMA
Gabriella Seo, BS1; Monica H Xing, BA1; Ammar Matlooob, MD2; Neil Mundi, MD2; Noel Phan2; Shabnam Samankhan3; Azita S Khorsandi, MD2; Raymond L Chai, MD, FACS4; Mark L Urken4; Margaret Brandwein-Weber4; 1Icahn School of Medicine at Mount Sinai; 2The Thyroid, Head and Neck Cancer (THANC) Foundation

(P575) PROSPECTIVE ASSESSMENT OF MULTIPLE HPV+ OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Connor J O’Boyle1; Daniel L Faden, MD2; Derrick T Lin, MD2; Daniel G Deschler, MD2; Andrew R Larson, MD2; Kevin S Emerick, MD2; Mark A Varvares, MD2; William C Faquin, MD, PhD2; Peter M Sadow, MD, PhD2; Jeremy D Richmon, MD2; 1Tufts University School of Medicine, Massachusetts Eye and Ear Infirmary, Boston, MA.; 2Department of Otolaryngology-Head and Neck Surgery, Massachusetts Eye and Ear Infirmary, Harvard Medical School, Boston, MA.; 3Department of Pathology, Massachusetts General Hospital, Harvard Medical School, Boston, MA.

(P576) IMPACT OF SMOKING ON STAGE-SPECIFIC SURVIVAL IN HPV ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Peter Horwich, MD, FRCSC1; Abhijit Gundale, MD1; Stephen Patin, MPH1; Jose Flores, PhD1; Tara Moore Medlin, BS1; Brent Chang, MD, FRCSC, FACS1; Cherie-Ann Nathan, MD, FACS1; 1LSU Health Shreveport; 2Yale University School of Medicine

(P577) PRIMARY SUBSITE VARIATIONS IN SURGICALLY TREATED HPV-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Ryan M Carey, MD; Justin R Shinn, MD; Leila J Mady, MD, MPH; David Shimunov; Karthik Rajasekaran, MD; Steven B Cannady, MD; Ara A Chalian, MD; Christopher H Rassekh, MD; Devraj Basu, MD, PhD; Bert W O’Malley, Jr, MD; Jason G Newman, MD; Gregory S Weinstein, MD; Robert M Brody, MD; University of Pennsylvania

(P580) INCIDENCE OF NODAL METASTASIS TO LEVEL IB IN HPV ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA MANAGED WITH TRANSORAL ROBOTIC SURGERY
Alexander Michael, MD; Madia C Russillo, MD; Marisa R Buchakjian, MD; Nitin A Pagedar; Rodrigo Bayon; University of Iowa

(P581) THE GENETIC LANDSCAPE OF HUMAN PAPILLOMAVIRUS 16 E6/E7 REGION IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Albert Y Han, MD, PhD1; Tian-Hao Zhang1; Yazeed Alhiyari, PhD2; Amanda Miller2; Ren Sun, PhD2; Maie A St. John, MD, PhD2; 1UCLA Health; 2David Geffen School of Medicine at UCLA; 3The University of Hong Kong
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(P582) LONG TERM PATIENT-REPORTED SWALLOWING FUNCTION FOLLOWING NEOADJUVANT CHEMOTHERAPY AND TRANSORAL SURGERY FOR OROPHARYNGEAL CARCINOMA
Esther Lee1; Daniel Gorelik2; Hannah R Crowder2; Christopher Badger, MD2; Nader Sadeghi, MD3; Arjun Joshi, MD; Joseph Goodman, MD; Punam Thakkar, MD2; Western University of Health Sciences; 2George Washington University School of Medicine and Health Sciences; 3McGill University Health Centre

(P583) PREVALENCE OF NONSTEROIDAL ANTI-INFLAMMATORY DRUGS AND ASPIRIN USE AMONGST OROPHARYNGEAL CANCER PATIENTS
Andrew W Agnew, DO; Robbert J Slebos; Martha Abrahamsen, MPH; Kristen Otto, MD; Joaquim Farinhas, MD; Caitlin P McMullen, MD; Krupal B Patel, MD; J Trad Wadsworth, MD; Christine H Chung, MD; Anna R Giuliano, PhD; Moffitt Cancer Center

(P584) A REPORT OF OUTCOMES, WORK FLOW, AND TECHNICAL INSIGHTS FOR PATIENTS UNDERGOING TRANSORAL ROBOTIC SURGERY (TORS) FOR HEAD AND NECK CANCER: A COMPARISON OF DA VINCI SI AND SP SYSTEM UTILIZATION.
Jennifer D Moy, MD; Nicholas Oberhelman; Ryan Li, MD, FACS; OHSU

(P585) FEASIBILITY OF DETECTING HUMAN BETA-DEFENSIN 3 AS A POTENTIAL SALIVARY BIOMARKER OF HEAD AND NECK SQUAMOUS CELL CARCINOMA
Margaret Nurimba, MD; Franklin Wu, BA; Suma Gudipati, BA; Diane DaSilva, PhD; Martin Kast, PhD; Uttam Sinha, MD; Keck School of Medicine

(P586) ASSOCIATION BETWEEN TREATMENT PACKAGE TIME AND MULTIMODALITY TREATMENT OUTCOMES IN HPV-ASSOCIATED HEAD AND NECK CANCER: A MULTI-INSTITUTIONAL COHORT EXPERIENCE.
Gaurav Shukla, MD, PhD; Max Pickles, BS; Samuel L Garrett, MD; Andrew J Song, MD; Voichita Bar-Ad, MD; Neil Hockstein; Su Jung Park, MD; Adam Raben, MD; 1Helen F Graham Cancer Center; 2Thomas Jefferson University; 1Mount Sinai Health System; 2University of Maryland Medical Center

(P587) POSTOPERATIVE LYMPHOPENIA IS ASSOCIATED WITH INCREASED RISK OF DISEASE PROGRESSION IN SURGICALLY TREATED PATIENTS WITH HUMAN PAPILLOMAVIRUS ASSOCIATED OROPHARYNGEAL CANCER
Linda X Yin, MD1; David M Routman, MD2; Courtney N Day, BS3; William S Harmsen, BS4; Daniel L Price, MD1; Jan L Kasperbauer, MD1; Eric J Moore, MD1; Robert L Foote, MD2; Neil Hockstein1; Su Jung Park, MD1; Adam Raben, MD1; 1Helen F Graham Cancer Center; 2Thomas Jefferson University; 1Mount Sinai Health System; 2University of Maryland Medical Center

(P589) PATIENT-PERCEIVED SWALLOWING FUNCTIONAL OUTCOMES FOLLOWING SALVAGE ROBOTIC SURGERY FOR OROPHARYNGEAL CANCER
Pedro Goncalves; Izabella Santos; Freitas Andressa; Fernando Dias; BNCI

(P590) LONG TERM PATIENT-REPORTED QUALITY OF LIFE FOLLOWING NEOADJUVANT CHEMOTHERAPY AND TRANSORAL SURGERY FOR OROPHARYNGEAL CARCINOMA
Esther Lee1; Daniel Gorelik2; Hannah R Crowder2; Christopher Badger, MD2; Nader Sadeghi, MD3; Arjun Joshi, MD; Joseph Goodman, MD; Punam Thakkar, MD2; Western University of Health Sciences; 2George Washington University School of Medicine and Health Sciences; 3McGill University Health Centre

(P591) EFFICACY OF SUCRALFATE IN ALLEVIATING POST TONSILLECTOMY SYMPTOMS AND MORBIDITY: A CASE CONTROL DESIGN STUDY
Parvendra Singh, MS, ENT1; Sumeet Angral, MS, DNB ENT2; 1All India Institute of Medical Sciences - Rishikesh; 2AllIMS Deoghar

(P592) THE LATE EFFECTS OF TREATING A CHANGING OROPHARYNGEAL CARCINOMA POPULATION
Hilary McCrary1; Sarah Abdelaziz2; Kerry Rowe1; John Snyder1; Vikrant Deshmukh1; Michael Newman1; Alison Fraser1; Ken Smith1; Mia Hashibe1; Marcus Monroe1; 1University of Utah, Division of Otolaryngology – Head and Neck Surgery; 2Huntsman Cancer Institute; 3Intermountain Healthcare, Salt Lake City, UT; 4University of Utah Health Care CMIO Office, Salt Lake City, UT; 5Pedigree and Population Resource, Population Sciences, Huntsman Cancer Institute, Salt Lake City, UT

(P593) CLINICAL AND GENOMIC CHARACTERIZATION OF CHEMORADIATION RESISTANT HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA
Theresa Guo, MD1; Stephanie Ting, BS1; Fernando Zamuner, PhD2; Lian Chen, MD, PhD3; Lisa Rooper, MD2; Pablo Tamayo, PhD; Carole Fakhry, MD, MPH3; Daria Gaykalova, PhD4; Ranee Mehr, MD4; 1University of California, San Diego; 2Johns Hopkins University, School of Medicine; 3University of Minnesota Medical School; 4University of Maryland Medical Center
(P594) FEATURES PREDICTIVE OF RECURRENCE AND METASTASIS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: A SINGLE-INSTITUTIONAL STUDY
Alice C Yu1; Albert Y Han, MD, PhD2; Christopher Yang1; Jeff Liang1; Brittany Wong1; Dipti Sajed, MD, PhD3; Maie St. John, MD, PhD4; ‘David Geffen School of Medicine, University of California Los Angeles; 2Department of Head and Neck Surgery, University of California Los Angeles; 3Department of Pathology, University of California Los Angeles

(P595) PREVALENCE AND OUTCOMES OF OCCULT NODAL DISEASE IN SALVAGE SURGERY FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA AFTER CHEMORADIATION FAILURE
Andrew P Katz, MD1; Zachary Helmen, MD1; Zoukaa Sargi, MD, MPH1; Carmen Gomez2; Elizabeth A Nicoll1; ‘Department of Otolaryngology, University of Miami Miller School of Medicine; 2Department of Pathology, University of Miami Miller School of Medicine

(P596) DEVELOPMENT OF SECOND PRIMARY MALIGNANCIES IN HPV-POSITIVE OROPHARYNGEAL SQUAMOUS CELL CARCINOMA.
Ethan J Craig, MD, MPh1; Katelyn Stepan, MD1; S A Skillington, MD1; Brian Deutsch, BS1; Nneoma S Wamkpah, MD1; Craig Bollig, MD1; Dorina Kallogieri, MD, PMH2; Wade L Thorstad, MD3; Patrik Pipkorn, MD3; Ryan S Jackson, MD1; ‘Washington University School of Medicine; 2Northwestern University Feinberg School of Medicine; 3Rutgers Robert Wood Johnson University Medical School

(P597) THREE YEAR ANALYSIS OF A SINGLE INSTITUTIONS PROTOCOL FOR DE-ESCALATION OF HPV MEDIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA BASED ON THE AMERICAN JOINT COMMITTEE ON CANCER (AJCC) 8TH EDITION
Charles Meyer, MD1; Panwar Aru, MD2; Coughlin Andrew2; Holcomb Andrew2; Oleg Militsakh2; William Lydiatt2; Daniel Lydiatt2; Osmolak Angela2; Duckert Randall2; William Huang2; Mirmiran Ali2; Yungpo Su2; Robert H Lindau, MD2; 1Portsmouth Naval Hospital; 2Nebraska Methodist Hospital; 3Nebraska Cancer Specialists

(P598) DUAL FACIAL ARTERY LIGATION AND IMPLICATIONS IN TRANSORAL ROBOTIC SURGERY: ELIMINATING BACKFLOW
Roberto M Soriano, MD; Christopher J Nickel, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery

(P599) PREDICTING ADVERSE HISTOPATHOLOGIC FEATURES IN HUMAN PAPILLOMA VIRUS-ASSOCIATED OROPHARYNX CANCER PATIENTS UNDERGOING PRIMARY SURGERY
Aaron L Zebolsky; Katherine Wai; Patrick Carpenter; Patrick K Ha; Chase M Heaton; William R Ryan; University of California, San Francisco

(P600) NOVEL VIRTUAL WORKSHOP TO IMPROVE HPV AND OROPHARYNGEAL CANCER KNOWLEDGE AMONG INTERPROFESSIONAL STUDENTS AND TRAINEES
Shaghauyegh S Azar, BS1; Lauran K Evans, MD, MPH; Brooke M Su-Velez, MD, MPH; Maie A St. John, MD, PhD; Department of Head and Neck Surgery, University of California Los Angeles

(P602) EVALUATION OF PROGNOSTIC INDICES IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA IN A MULTI-ETHNIC COHORT
Isabelle J Jang1; Ying Hao2; Anna See3; Ze Yun Tay3; Siti Radhziah1; Constance Teo1; Kimberley Kiong1; Gerald Tay1; Gopalakrishna N Iyer1; Tan Ngain Chye1; Hiang Khoon Tan1; Harold Heah1; Chwee Ming Lim1; ‘Singapore General Hospital; 2Singapore Health Services; 3Sengkang General Hospital

(P603) TRANSORAL ROBOTIC SURGERY FOR HPV-RELATED OROPHARYNGEAL CANCER
Celeste Kim, BS1; Eduardo Amaya, BS1; Marta Kulich, MD2; Mark S Swanson, MD2; ‘Keck School of Medicine of the University of Southern California; 2Caruso Department of Otolaryngology - Head and Neck Surgery, Keck School of Medicine of the University of Southern California

(P604) AN OBSERVATIONAL STUDY TO DETERMINE THE EFFECTS OF HUMAN PAPILLOMAVIRUS DIAGNOSIS ON RELATIONSHIPS OF HEAD AND NECK CANCER PATIENTS: PRELIMINARY ANALYSIS
Angela Alnemri, BS1; Sarah Sussman, BS1; Michele Fiorella, MS2; Raphael Banoub, MD3; Tingting Zhan, PhD4; Jennifer M Johnson, MD, PhD4; Brooke Worster, MD5; Adam Lugimbuhl, MD1; ‘Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 2Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 3Division of Biostatistics, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 4Department of Medical Oncology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 5Neu Center for Supportive Medicine and Cancer Survivorship, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.
Radiation / Adjuvant Treatment Poster Abstracts

(P605) RADIATION INDUCED OROPHARYNGEAL CARCINOMA
Ilana Doweck, MD; Salem Billan, MD; 1Department of Otolaryngology, Head and Neck Surgery, Carmel Medical Center and Bruce Rappaport Faculty of Medicine, Technion, Haifa, Israel; 2Department of Radiation Oncology, Rambam Health Campus and Bruce Rappaport Faculty of Medicine, Technion, Haifa, Israel

(P606) SHORTER TIME TO ADJUVANT THERAPY FOR HPV+ OROPHARYNGEAL CANCER IS ASSOCIATED WITH IMPROVED SURVIVAL OUTCOMES: A NCDB STUDY
Hilary C McCrary, MD, MPH; Marcus M Monroe, MD; Sarah Drejet, MD; Jason P Hunt, MD; Ying Hitchcock, MD; Luke O Buchmann, MD; Don Cannon, MD; Shane Lloyd, MD; Richard B Cannon, MD; University of Utah

(P607) PHARMACOLOGIC THERAPY FOR RADIATION-INDUCED FIBROSIS FOLLOWING HEAD & NECK CANCER THERAPY: A SYSTEMATIC REVIEW
Basit Jawad, MD; Nrusheel Kattar; Michael Debackey; Ryan Winters, MD; 1Tulane Affiliated Program in Otolaryngology; 2UQ-Ochsner School of Medicine; 3Tulane University School of Medicine; 4Ochsner Medical Center Department of Otolaryngology

(P608) SBRT BASED INDUCTION RADIOTHERAPY FOLLOWED BY CHEMOTHERAPY/IMMUNOTHERAPY FOR M0 LOCALLY ADVANCED HEAD AND NECK SQUAMOUS CELL CANCER.
Masao Toji, MD; Shin-yurigaoka General Hospital

(P609) CLINICAL OUTCOMES IN PATIENTS WITH THYROID CANCER TREATED WITH EXTERNAL BEAM RADIOTHERAPY (EBRT)
Kristina Lee, MBChB (hons), MRCS (ENT); Alexander Pearman, Dr; Navin Mani, Mr; Kate Garcez, Dr; 1Manchester Royal Infirmary; 2The Christie NHS Foundation Trust

(P610) PITUITARY HORMONE DYSFUNCTION FOLLOWING RADIOTHERAPY FOR SINONASAL AND NASOPHARYNGEAL CANCERS
Mohammed Aldehaim, MBBS; Jack Phan, MD, PhD; Steven Waguespack, MD; Xin Wang, PhD; Tze Yee Lim, PhD; Dianna Roberts, PhD; Ehab Hanna, MD, PhD, Shirley Y Su, MBBS; 1King Faisal Specialist Hospital And Research Center; 2The University of Texas MD Anderson Cancer Center

(P611) CLINICAL OUTCOMES FOLLOWING UPFRONT DEFINITIVE RADIATION THERAPY WITH POLICY OF SELECTIVE NECK AND REDUCED DOSE ELECTIVE NECK IRRADIATION IN OROPHARYNX CANCER PATIENTS
Seung Gyu Park, MD; Yong Chan Ahn, MD, PhD; Dongryul Oh, MD, PhD; Jae Myoung Noh; Hyun Ae Jung; Myung-Ju Ahn; Young Hyeh Ko; Manki Chung; Han Sin Jeong; 1Department of Radiation Oncology, Keimyung University Dongsan Medical Center, Keimyung University School of Medicine; 2Department of Radiation Oncology, Samsung Medical Center, Sungkyunkwan University School of Medicine; 3Department of Medicine (Division of Hematology-Oncology), Samsung Medical Center, Sungkyunkwan University School of Medicine; 4Department of Pathology, Guro Hospital, Korean University College of Medicine; 5Department of Otorhinolaryngology-Head and Neck Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine

(P612) STEREOTACTIC BODY RADIOTHERAPY FOR REIRRADIATION OF HEAD AND NECK CANCERS IS ASSOCIATED WITH PROLONGED SURVIVAL
Kevin Diao, MD; Theresa Nguyen, BS; Amy C Moreno, MD; Jay P Reddy, MD; Adam S Garden, MD; Catherine H Wang, PhD; Samuel Tung, MS; Congjun Wang, PhD; Xin A Wang, PhD; David I Rosenthal, MD; Clifton D Fuller, MD, PhD; Gary B Gunn, MD; Steven J Frank, MD; William H Morrison, MD; Shalini Shah, MD; Shirley Y Su, MBBS, FRACS; Renata Ferrarotto, MD; Jack Phan, MD, PhD; MD Anderson Cancer Center

(P613) IMPLANTABLE DEGRADABLE POLYMER SEEDED WITH CHEMOTHERAPEUTICS FOR DOSE DE-ESCALATION
Yazeed M Alhiyari; Amanda Miller, BS; Albert Han, MD, PhD; Jungdong Lee, PhD; Zhen Gu, PhD; Maie St. John, MD, PhD; UCLA

(P614) PREVALENCE OF SOFT TISSUE DEPOSITS AND ITS PROGNOSTIC SIGNIFICANCE IN PATIENTS WITH HEAD AND NECK CANCERS- A SYSTEMATIC REVIEW
Pallvi Kaul, Dr; Manu Malhotra, Dr; Vipin Arora, Dr; Nishant Agarwal, Dr; Mahendra P Singh; Pankaj K Garg; 1All India Institute of Medical Sciences, Rishikesh, India; 2University College of Medical Sciences and Guru Teg Bahadur Hospital, University of Delhi, India; 3University of Chicago Medicine, Chicago, IL, USA; 4Jawaharlal Nehru Cancer Hospital and Research Centre
(P616) DOES THE SEQUENCE OF ADJUVANT RADIOACTIVE IODINE AND EXTERNAL BEAM RADIATION THERAPY IN DIFFERENTIATED THYROID CANCER AFFECT OUTCOMES?
Katherine C Wai, MD; Jason W Chan, MD; Jonathan R George, MD; Patrick K Ha, MD; William R Ryan, MD; Marika D Russell, MD; Chase M Heaton, MD; University of California San Francisco

(P617) EVALUATION OF RADIATION TREATMENT BREAKS AT A SAFETY-NET HOSPITAL
Punam Patel, MD; Cecelia Schmalbach, MD; Lewis Katz School of Medicine at Temple University

(P618) COMPARING TARGET DELINEATION OF HEAD AND NECK CANCERS WITH AND WITHOUT THE AID OF SPATIALLY REGISTERED ENDOSCOPY
Catriona M Douglas, Dr; Souzan Mirza2; Runjie Shi; Jimmy Qiu; Andrew Hope; David A Jaffray; Jonathon Irish; John Cho; Robert A Weersink; 1Department of Surgical Oncology, University of Toronto, Toronto, Canada; 2Institute of Biomaterials and Biomedical Engineering, University of Toronto, Toronto, Canada; 3Radiation Medicine Program, Princess Margaret Cancer Centre, Toronto, Canada; 4Technia Institute, University Health Network, Toronto, Canada; 5Department of Radiation Oncology, University of Toronto, Toronto, Canada

(P619) IMPACT OF DELAYED ADJUVANT TREATMENT IN HEAD AND NECK CANCER OUTCOMES
Andre Vieira Forster, MD; Bruno Valim Monazzi, MD; Monica B Manna; Luisa R Lopes, MD; Thatiana Guerrieri, MD; Maria do Rosario de Oliveira Latorre, PhD; Rosilene M Menezes, MD, PhD; Hospital do Servidor Publico Municipal de Sao Paulo

(P620) EFFECT OF RADIOLOGICAL TUMOR THICKNESS ON PROGNOSIS OF EARLY GLOTTIC SQUAMOUS CELL CARCINOMA TREATED WITH RADIATION
Or Dagan, Dr; Uri Alkan, Dr; Ameen Biadsee; Assaf Moore, Dr; Amit Ritter, Dr; Aron Popovtzer, Professor; ’Beilinson Medical Center; ‘Meir Medical Center; ‘Hadassah Medical Center

(P621) COMPARISON OF RECURRENCE IN HIGH RETROPHARYNGEAL NODAL-SPARING RADIATION TECHNIQUE IN HPV RELATED AND HPV-UNRELATED OROPHARYNGEAL CANCER IN THE IMRT ERA.
Isaac Kong, BSc; Stephan Tran, MD; Han Zhang, MD, FRCSC; Nhu-Tram A Nguyen, MD, FRCPC; McMaster University

(P622) COMPARABLE SURVIVAL WITH ACCELERATED RADIATION IN HEAD AND NECK CANCER: ANALYSIS OF THE NCDB
Thomas F Barrett, MD; Angela L Mazul, PhD; Erik Nakken, BA; Sarah Humble; Randall C Paniello, MD, PhD; Jose P Zevallos, MD, MPH; Patrik Pipkorn, MD, MSc; Ryan S Jackson, MD; Stephen Kang, MD; Wade Thorstad, MD; Sidharth V Puram, MD, PhD; ’Washington University; ’The Ohio State University

(P623) SOURCES OF VARIATION IN TIMING OF MULTIDISCIPLINARY THERAPY FOR HEAD AND NECK CANCER
Kristen L Seligman, MD; Zaid Al-Qurayshi, MD; Khanh K Nguyen, MD; Aaron T Seaman, PhD; Carryn M Anderson, MD; Nitin A Pagedar, MD; ’University of Iowa; ’Loma Linda University

(P624) COMBINATION CHEMORADIOThERAPY HYPOPARYNX CANCER USING FTORAFUR AND CISPLATIN.
Shamil Musin, Dr; Konstantin Menshikov, Dr; Nadezda Sultanbaeva, Dr; Adel Izmailov, Dr; Alexey Pushkarev, Dr; Ainur Nasretdinov, Dr; Vasilii Pushkarev, Dr; Alexander V Sultanbaev, Dr; Republican Oncology Dispensary

(P625) EFFICACY OF ADJUVANT RADIATION IN LOCALLY ADVANCED LARYNGEAL CANCERS WITH NO NODAL METASTASIS
Claudia I Cabrera, MD, MS; Grant Muller, MD; Akina Tamaki, MD; Jill S Barnholtz-Sloan, PhD; Jason E Thuener, MD; Nicole Fowler, MD; Theodoros N Teknos, MD; Rod P Rezaee, MD; Shawn Li, MD; ’Department of Otolaryngology- Head and Neck Surgery, University Hospitals Cleveland Medical Center, Cleveland, OH, USA; ’Ear, Nose, and Throat Institute, University Hospitals Cleveland Medical Center, Cleveland, OH

(P626) RETROSPECTIVE REVIEW OF OSTEORADIONECROSIS AFTER TREATMENT OF OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS
Kyle W Singerman, BS; Arvind K Badhey, MD; David L Choi, MD; Daniel Martinez, MD; Andrew Frankart, MD; Vinita Takiar, MD; Brian Cervenka, MD; Yash Patel, MD; Chad A Zender, MD; Alice L Tang, MD; ’University of Cincinnati College of Medicine; ’McMaster University Faculty of Health Sciences

(P628) OUTCOMES OF UNILATERAL TREATMENT OF UNKNOWN PRIMARY IN THE HEAD AND NECK
Olivia A Do, BS; Neeraja Konuthula, MD; Peter H Goff, MD, PhD; George E Laramore, MD; Upendra Parvathaneni, MD; Jay Liao, MD; Jeffery J Houlton, MD; Brittany R Barber, MD; University of Washington
(P629) RADICAL HIGH DOSE RATE BRACHYTHERAPY (HDR-BT) TO PRIMARY TONGUE AND EXTERNAL BEAM RADIATION THERAPY (EBRT) TO THE NECK AS ADJUVANT TREATMENT FOR CARCINOMA MOBILE TONGUE - A PILOT STUDY.
Vivek J Anand, Dr; Murad Lala, Dr; Priyanka S Alurkar, Dr; Sudesh Deshpande, Dr; Suresh Naidu, Mr; Kannan Venkatesan, Dr; Pradhan Sultan, Dr; P D Hinduja Hospital

(P630) A PHASE I STUDY OF RADIATION ENHANCING FUNCTIONALIZED HAFNIUM OXIDE NANOPARTICLES IN CISPLATIN-INEGIBLE PATIENTS WITH LOCALLY ADVANCED HNSCC
Christophe Le Tourneau, MD, PhD1; Valentin Calugaru, MD, PhD1; Edith Borcoman, MD1; Zoltan Takacsi-Nagy, MD, PhD2; Xavier Liem, MD3; Zsuzsanna Papai, MD, PhD4; Jacek Fijuth, MD, PhD5; Victor Moreno, MD6; Irene Braña, MD, PhD7; Sébastien Salas, MD, PhD8; Gilles Poissonnet, MD9; Emiliano Calvo, MD, PhD10; Bernard Doger, MD11; Olivier Choussy, MD12; Maria Lesnik, MD13; Xavier Mirabel, MD14; Nathalie Badois, MD15; Samar Khrili, MD16; Katell Bernois17; Nicolas Fakhry, MD, PhD18; Stéphanie Wong Hee Kam, MD19; Caroline Hoffmann, MD, PhD20; 1Institut Curie, Paris, France; 2National Institute of Oncology, Budapest, Hungary; 3Oscar Lambret Center, Lille, France; 4Hungarian Defense Forces Medical Center, Budapest, Hungary; 5Medical University of Lodz, Lodz, Poland; 6START - Fundación Jiménez Díaz, Madrid, Spain; 7Val d’Hebron Institut of Oncology, Barcelona, Spain; 8Hôpital Timone, Marseille, France; 9Unicancer, CLC Antoine Lacassagne, Nice, France; 10START - HM Sanchinarro University Hospital, Madrid, Spain; 11Nanobiotix S.A., Paris, France

(P631) INFLUENCE OF TOBACCO CESSATION ON TREATMENT RESPONSE AND SURVIVAL OUTCOMES IN HEAD AND NECK CANCER
Matthew S Krutz; Rachad Mhawej, MD; Vijay Raj; Lane Driskill; Geraldine Chissoe; Pawan Acharya; Daniel Zhao, PhD; Lurdes Queimado, MD, PhD; University of Oklahoma Health Sciences Center

(P632) VALIDATION AND COMPARISON OF COMPETING EVENT MODELS FOR LOCOREGIONALLY ADVANCED HEAD AND NECK CANCER
Prangrawee Sangchan, MD1; Tyler J Nelson, BS2; Divya P Prajapati, BS3; Bhargava Chitti, MD4; Casey Williamson, MD5; Caroline A Thompson, PhD6; Hannah Liu7; Andrew Sharabi, MD, PhD7; Jingjing Zou, PhD7; Loren K Mell, MD7; Division of Radiation Oncology, Faculty of Medicine, Thammasat University, Pathum Thani, Thailand; 2Department of Radiation Medicine and Applied Sciences, University of California San Diego, La Jolla, California; 3University of California San Diego School of Medicine, San Diego, California; 4Bronxcare Health System, Mount Sinai School of Medicine, New York; 5Division of Epidemiology and Biostatistics, San Diego State University School of Public Health, San Diego, California

(P634) OBSTRUCTIVE SLEEP APNEA FOLLOWING CHEMORADIATION THERAPY FOR HEAD AND NECK CANCER TREATED WITH HYPOGLOSSAL NERVE STIMULATOR
Rebecca Paquin, DMD, MD; Camilo Reyes Gelves, MD; Medical College of Georgia, Augusta University

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(P635) FREE TISSUE RECONSTRUCTION OF COMPLEX CRANIOFACIAL DEFECTS: NUANCES AND INTRICACIES
Roberto M Soriano, MD; Christopher J Nickel, MD; H. Michael Baddour, MD; Brian J Boyce, MD; Jennifer H Gross, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; C. Arturo Solares, MD; Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery

(P636) LATERAL TEMPORAL BONE AND SOFT TISSUE DEFECT RECONSTRUCTION WITH GRACILIS MYOCUTANEOUS FREE FLAP: A CASE REPORT AND REVIEW OF THE LITERATURE
Sean P Holmes, MD; Cherie Ann Nathan, MD; Gauri Manekar, MD, PhD; Peter M Horwich, MD; Brent A Chang; LSU Health Shreveport

(P637) INTRAOPERATIVE ULTRASONOGRAPHY TO IMAGE VASCULAR PEDICLE DURING FREE TISSUE TRANSFER
Michael H Berger, MD; Benjamin B Bitner, MD; Monica Trent; Yarah M Haidar, MD; Tjoson Tjoa, MD; University of California Irvine Department of Otolaryngology - Head and Neck Surgery

(P638) VERSATILITY OF SUPRACLAVICULAR FLAP FOR HEAD AND NECK RECONSTRUCTION
Antonio Gomez-Pedraza, MD; Bernardo Rivas-Leon, MD; Sara Andrea Paredes Trejo, MD; Kuauhyama Luna Ortiz, MD; Karen A Romero Torres, MD; INSTITUTO NACIONAL DE CANCEROLOGIA

(P639) VASCULARIZED OSTEOCUTANEOUS FREE FLAPS FOR RECONSTRUCTION OF MANDIBULAR DEFECT THAT INVOLVE THE TEMPOROMANDIBULAR JOINT
Mohammed Qaisi, DMD, MD, FACS; Joseph Fanti; Urjeet Patel, MD, FACS; James Murphy; Cook County Health
(P640) COMBINED SUPRACLAVICULAR AND PECTORALIS FLAPS FOR CIRCUMFERENTIAL PHARYNGEAL RECONSTRUCTION
Carolyn DeBiase, MD; Thomas Nagel, MD; Mayo Clinic

(P641) IMPROVING THE FUNCTIONAL STATUS AND PATIENT WITH LOWER JAW TUMORS QUALITY OF LIFE WITH TITANIUM PLATES
Akbar Khasanov, MD, PhD; Bobir Primkulov, MD; Adham Khasanov, MD, PhD; Rahimjon Bekmirzaev, MD, PhD; Latifjon Nishonboev, MD; Alisher Kahorov, MD, PhD; 1National Cancer Center of Uzbekistan; 2Stomatology Institute of Stomatology. Uzbekistan

(P642) SURGICAL OUTCOMES OF SCAPULA FREE TISSUE RECONSTRUCTION OF ADVANCED HEAD AND NECK DEFECTS: A 110 PATIENT COHORT
Danielle E Scarola, MD; Oleksandr Butkiy, MD; Roberto M Soriano; Jordan Varghese;Yaw Owusu; H. Michael Baddour, MD; Brian J Boyce, MD; C. Arturo Solares; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W EL-Deiry, MD; Emory University

(P643) RECONSTRUCTION OF ANTERIOR SKULL BASE DEFECT USING GRACILIS FREE FLAP AFTER BREAKDOWN OF PERICRANIAL FLAP: FEASIBILITY AND TECHNICAL CONSIDERATIONS
Ming Yann Lim; Caroline Lee; Jereme Yijin Gan; Ernest Wei Zhong Fu; Li Hao; Timothy Shim; Tan Tock Seng Hospital

(P644) INFECTION RATES IN BONY FREE FLAP RECONSTRUCTIONS WITH HARDWARE: SHORT VERSUS LONG COURSE OF ANTIBIOTICS
Peter T Dziegielewski, MD, FRCSC; Spencer Nichols; Dustin Conrad, MD, FRCSC; Deepa Danan, MD; Brian Hughley, MD; University of Florida

(P646) THE USE OF THE SCAPULAR FREE FLAP IN LATERAL SKULL BASE RECONSTRUCTION
Roberto M Soriano, MD; Oleksandr Butkiy, MD, MHSc; H. Michael Baddour, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W EL-Deiry, MD; C. Arturo Solares, MD; 1Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; 2University of British Columbia, Department of Otolaryngology-Head and Neck Surgery

(P648) PATHOLOGIC TIBIAL FRACTURE WITH CHRONIC OSTEOMYELITIS AFTER RECEIVING FIBULAR FREE FLAP
Emily Sagalow, BS; Ayan Kumar, MD; Joseph M Curry, MD; Thomas Jefferson University Hospital

(P649) THE ENLARGING TRACHEOESOPHAGEAL PUNCTURE DILEMMA: CONSERVATIVE VERSUS MICROVASCULAR SURGICAL REPAIR
Emily Kamen, MD; Jorge Trilles, BS; Bachar F Chaya, MD; David A Daar, MD, MBA; Eric Remer, MD; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P650) DOES DIAMETER MATTER? ASSOCIATION BETWEEN MICROVASCULAR FLAP ANASTOMOSIS CALIBER AND RISK FOR DEVELOPMENT OF OSTEORADIONECROSIS.
David Rengifo, MD; Peter T Dziegielewski, MD, FRCSC; Reordan Do Dejesus, MD; Tara Massini, MD; Carolyn O Dyrain, PhD; 1Department of Otolaryngology, University of Florida, Gainesville, Florida, USA; 2Department of Neuroradiology, University of Florida, Gainesville, Florida, USA

(P651) RECONSTRUCTION OF CIRCUMFERENTIAL PHARYNGEAL DEFECT WITH C-SHAPED (PATCH-STYLE) ANTEROLATERAL THIGH FLAP AFTER TOTAL LARYNGOPHARYNGECTOMY
Mohammad Alessa, Consultant; Won Shik Kim, Associated Professor; 1King Abdullah Medical City; 2Seoul National University Hospital

(P652) MANDIBULAR RECONSTRUCTION OF CENTRAL AND LATERAL DEFECTS WITH FIBULA AND SCAPULA FREE FLAP: BONE CONTOUR AND FACIAL PROFILE ANALYSIS.
Tommaso Gualtieri, MD; Axel Sahovaler, MD; Harley Chan, PhD; Marco Ferrari, MD; Stefano Taboni, MD; Jonathan Irish, MD, MSc; Ralph Gilbert, MD; 1University of Brescia, Unit of Otorhinolaryngology – Head and Neck Surgery, Department of Medical and Surgical Specialties, Radiological Sciences and Public Health; Department of Otolaryngology - Head and Neck Surgery/Surgical Oncology, University Health Network, Toronto, Ontario, Canada; Guided Therapeutics (Gtx) Program, Techna Institute, University Health Network, Toronto, Ontario, Canada; 2Department of Otolaryngology - Head and Neck Surgery/ Surgical Oncology, University Health Network, Toronto, Ontario, Canada; Guided Therapeutics (Gtx) Program, Techna Institute, University Health Network, Toronto, Ontario, Canada; 3Guided Therapeutics (Gtx) Program, Techna Institute, University Health Network, Toronto, Ontario, Canada; 4University of Padua, Section of Otorhinolaryngology – Head and Neck Surgery, Department of Neurosciences; 5Department of Otolaryngology - Head and Neck Surgery/Surgical Oncology, University Health Network, Toronto, Ontario, Canada.
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(P653) **TUBED SUPRACLAVICULAR ARTERY ISLAND FLAP FOR REPAIR OF CIRCUMFERENTIAL PHARYNGECTOMY DEFECTS**
Charissa Kahue, MD1; Thomas O'Toole, MD2; Kiran Kakarala, MD3; 1Department of Otolaryngology-Head and Neck Surgery, University of Tennessee; 2Department of Head and Neck Surgery, Kaiser Permanente Sacramento; 3Department of Otolaryngology-Head and Neck Surgery, University of Kansas

(P654) **ARRAY OF LOCOREGIONAL RECONSTRUCTIVE OPTIONS FOR OROPHARYNGEAL DEFECTS AFTER TRANSORAL ROBOTIC SURGERY WITH CONCOMITANT NECK DISSECTION.**
Abhishek Singh, MDS ORAL AND MAXILLOFACIAL SURGERY; Mudit Agarwal, MS, MRCSED, MCh, SURGICAL, ONCOLOGY; Shashank Chaudhary, MBBS, MS, ENT; RAJIV GANDHI CANCER INSTITUTE AND RESEARCH CENTRE, DELHI, INDIA

(P655) **REVERSE FLOW ANTEROLATERAL THIGH FREE FLAP IN A CASE WITH SIGNIFICANT ATHEROSCLEROSIS: A VIABLE ALTERNATIVE FOR ARTERIAL MICROVASCULAR ANASTOMOSIS.**
Jonathan C Garneau1; Rod Rezaee, MD2; 1University of Virginia; 2University Hospitals of Cleveland/Case Western Reserve

(P656) **OUTCOMES OF OSTEOCUTANEOUS FOREARM AND FIBULA FREE FLAP RECONSTRUCTION IN THE TREATMENT OF MANDIBULAR OSTEORADIONECROSIS**
Ayham Al Afif, MD1; Jaime Alex Peña Garcia, MD1; Eben L Rosenthal, MD2; Jessica W Grayson, MD3; Kiranya E Tipirneni, MD3; Lindsay S Moore, MD3; Larissa Sweeney, MD3; Lisa Clemons3; Benjamin J Greene, MD3; 1Department of Otolaryngology - Head and Neck Surgery, University of Alabama at Birmingham; 2Department of Otolaryngology - Head and Neck Surgery, Stanford University; 3Department of Otolaryngology and Communication Sciences, State University of New York Upstate Medical University; 4Department of Otolaryngology - Head and Neck Surgery, Louisiana State University

(P658) **HYPERINTENSITY OF INTEGRIN-TARGETED FLUORESCENCE AGENT ACCURATELY PREDICTS FLAP NECROSIS AS EARLY AS POST-OPERATIVE DAY 0**
Melanie D Hicks, MD1; Alyssa K Ovaitt, MD1; Jason C Fleming, MBBS, FRCSORLHNS, PhD2; Patrick N Song, BS1; Anna G Sorace1; Yolanda E Hartman, BS1; Eben L Rosenthal, MD2; Jason M Warram, PhD3; Carissa M Thomas, MD, PhD4; 1University of Alabama at Birmingham; 2University of Liverpool & Aintree University Hospital; 3Stanford University

(P659) **PECTORAL-SPARING DELTOID ARTERY USE IN THE VESSEL-DEPLETED NECK**
Tazheh A Kavoosi, BS; Arvind Badhey, MD; Brian Cervenka, MD; Alice Tang, MD; Chad Zender, MD, FACS; University of Cincinnati College of Medicine

(P660) **OUTCOMES OF MIDFACE RECONSTRUCTION**
Jacqueline Wulu; Aaron Zebolsky; P. Daniel Knott; UCSF

(P661) **PREDICTORS OF REINITIATING ANTIBIOTICS FOLLOWING MICROVASCULAR FREE TISSUE RECONSTRUCTION OF THE HEAD AND NECK**
Karolina Plonowska-Hirschfeld, MD; Aaron Zebolsky, BS; Michael Lindeborg, MD; Christian McNeill, PA; P. Daniel Knott, MD; Rahul Seth, MD; Andrea Park, MD; Chase Heaton, MD; UCSF

(P662) **THE RADIAL FOREARM SNAKE FLAP: AN UNDERUTILIZED TECHNIQUE FOR FASCIOCUTANEOUS AND OSTEOCUTANEOUS FOREARM FLAPS WITH PRIMARY CLOSURE**
Thomas Gessert, MD; James Thompson, MD; Matthew R Hoffman, MD, PhD; Gregory Hartig, MD; 1University of Wisconsin; 2University of Alabama at Birmingham

(P663) **FREE FLAP SALVAGE AND SURVIVAL RATE WITH IMPLANTED DOPPLER COMPARED TO CLINICAL MONITORING**
Emily Sagalow, BS; Ramez Philips, MD; Paavali Hannikainen, BS; Kevin Xiao, BS; Daniel Campbell, BS; Kelsie Guice, BS; Caroline Bonaventure, BS; Farshid Taghizadeh, BSc; Ryan N Heffelfinger, MD; Adam J Luginbiuhl, MD; Patrick T Tassone, MD; Larissa Sweeney, MD; Mark K Wax, MD; Joseph M Curry, MD; 1Thomas Jefferson University Hospital; 2Louisiana State University Health; 3Oregon Health & Science University; 4University of Missouri Health Care

(P664) **A COST-ANALYSIS OF MIDFACE FREE FLAP RECONSTRUCTION**
Angela Alnemri, BS; Ramez Philips, MD; Sarah Sussman, BS; Vivian Xu, BS; Anjali Patel, BS; Brian Swendsen, MD; Yamil Selman, MD; Ryan Heffelfinger, MD; Adam Luginbiuhl, MD; Larissa Sweeney, MD; Joseph M Curry, MD; 1Department of Otolaryngology, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 2Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, Pennsylvania, U.S.A.; 3Department of Otolaryngology-Head and Neck Surgery, Louisiana State University Health Science Center-New Orleans, New Orleans, Louisiana, U.S.A.
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(P665) OPIOID USE PRACTICES FOR PERIOPERATIVE PAIN MANAGEMENT OF FIBULA FREE FLAPS: COMPARISON OF INTERNATIONAL PRACTICES
Ashleigh M Weyh, MD, DMD, MPH1; Resi Puci, MD2; Evan Busby, DMD3; Latika Kansal, MS, ENT4; Reju Joy, BDS, MDS, MBChB5; Anthony Bunnell, MD, DMD6; Valentino Valentini, MD7; Donita Dyalram, MD, DDS8; Arun Pattatheyll, MS, DBN, ENT, MCH9; Luis Boccalatte, MD10; Marcello Figari, MD11; Juan Larranaga, MD12; Andrea Cassoni, MD13; Rui Fernandes, MD, DMD14; 1University of Florida Jacksonville, Department of Oral and Maxillofacial Surgery; 2Universita di Sapienza, Department of Maxillofacial Surgery; 3Tata Medical Center India, Department of Head and Neck; 4University of Maryland Medical Center, Department of Oral and Maxillofacial Surgery; 5Hospital Italiano de Buenos Aires

(P666) TUBED ANTEROLATERAL THIGH FLAPS AS A RECONSTRUCTIVE OPTION FOR SALVAGE PHARYNGOLARYNGECTOMIES.
Christian S Betz, Prof, Dr, med; Lukas Wittig; Nikolaus Möckelmann; University Medical Center Hamburg-Eppendorf

(P668) THE INCIDENCE AND CHARACTERISTICS OF ALTERNATIVE RECONSTRUCTIVE PROCEDURES IN PLANNED FREE FLAP SURGERY
Kendall K Tasche, MD; Robert M Brody, MD; Ara A Chalian, MD; Jason G Newman, MD; Karthik Rajasekaran, MD; Rabie M Shanti, DMD, MD; Steven B Cannady, MD; University of Pennsylvania

(P670) EFFECTS OF STATIN THERAPY ON POSTOPERATIVE OUTCOMES IN RECONSTRUCTIVE HEAD AND NECK SURGERY
Jaime A Aponte Ortiz, MD, MS1; John P Marinelli, MD2; Joshua R Labott3; Christine M Loshe4; Matthey M May, MD5; Eric J Moore, MD6; Jeffrey R Janus, MD7; 1University of Puerto Rico School of Medicine; 2Department of Otalaryngology-Head and Neck Surgery, San Antonio Military Medical Center; 3Mayo Clinic School of Medicine; 4Department of Health Sciences Research Mayo Clinic; 5Department of Otalaryngology-Head and Neck Surgery, Mayo Clinic, Rochester, MN

(P671) OUTCOMES WITH LONG-TERM, CULTURE-DIRECTED ANTIBIOTICS FOLLOWING MICROVASCULAR FREE TISSUE RECONSTRUCTION FOR OSTEONECROSIS OF THE JAW
Michael M Li, MD1; Taylor Freeman, BS2; Riddhima Agarwal, BS, MS3; Akash N Naik, MD4; Ramez Y Philips, MD5; Stephen Y Kang, MD1; Enver Ozer, MD1; Amit Agrawal, MD1; Matthew O Old1; Nolan B Seim, MD1; 1Ohio State University Department of Otalaryngology; 2Ohio State University College of Medicine; 3Thomas Jefferson University Department of Otalaryngology

(P672) EXAMINING THE EFFECT OF ADVANCED AGE ON MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK
Dongmin C Kim; Gregory L Barinsky, PharmD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P673) IMPACT OF SEGMENT LENGTH ON OUTCOMES OF OSTEOTOMIZED FIBULAR FREE FLAPS FOR HEAD AND NECK RECONSTRUCTION
Juliana Gomez, DDS1; Anastasia Quimby, MD, DDS2; Marek J Ogledzki, MD, DMD3; Carlos A Ramirez, MD, DDS, FACS4; 1Ascension Macomb-Oakland Hospital, Department of Oral and Maxillofacial Surgery; 2Nova Southeastern University, Department of Oral and Maxillofacial Surgery

(P674) COMPARING FISTULA RATES IN PATIENTS UNDERGOING PECTORALIS MAJOR ROTATIONAL FLAP VS FREE TISSUE TRANSFER FOLLOWING TOTAL LARYNGECTOMY
Anne E Gunter, MD1; Paul R Wistermayer, MD2; Paloma I Perez, MD3; Jagat Kumar Patel, MD4; Maitram C Tiu, PAC5; Namou Kim, MD6; 1Carl R. Darnall Army Medical Center; 2Madigan Army Medical Center; 3Swedish Medical Center

(P675) UTILIZATION OF THREE OR MORE CONCOMITANT NERVE TRANSFERS FOR FACIAL NERVE REANIMATION
Antonios N Varelas, MD1; Ayana Cole-Price, BS; David Daar, MD, MBA; Oriana Cohen, MD; Jamie Levine, MD; Adam Jacobson, MD; NYU Langone

(P676) MODIFICATION OF THE FIBULAR FREE FLAP HARVEST FOR MYOGENOUS INTRA-ORAL LINING
Audrey Rich1; Ryan Kunkle1; Ashley Dorneden2; Nathan Boyd3; Noah Syme1; 1University of New Mexico; 2University of Utah

(P677) UNIVERSAL AND VERSATILE MEASUREMENTS FOR SPATIAL DEVIATIONS OF COMPUTER-ASSISTED MANDIBULAR RECONSTRUCTION
Richard Yuxiong Su, Dr; The University of Hong Kong

(P678) UTILIZATION OF THREE OR MORE CONCOMITANT NERVE TRANSFERS FOR FACIAL NERVE REANIMATION
Antonios N Varelas, MD1; Ayana Cole-Price, BS; David Daar, MD, MBA; Oriana Cohen, MD; Jamie Levine, MD; Adam Jacobson, MD; NYU Langone

(P679) RECONSTRUCTION TECHNIQUE AFTER SALVAGE LARYNGECTOMY AND LONG TERM SWALLOW OUTCOME
Aseem Jain; Erin Broderick, SLP; Yash Patil, MD; Chad Zender, MD; Alice Tang, MD; Brian Cervenka, MD; University of Cincinnati

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(P679) COMPLICATIONS OF SALVAGE TORS WITH AND WITHOUT RECONSTRUCTION: A SYSTEMATIC REVIEW
Seth Noorbakhsh, BA1; Michael C Topf, MD2; Jefferson Chung, MD3; William A Stokes, M1; John Hardman, FRCS, MSc4; Vinidh Paleri, FRSC, MSc4; Chris Holsinger MD, MD, FACS5; Meghan T Turner, MD3; 1West Virginia University School of Medicine; 2Vanderbilt University Medical Center; 3West Virginia University Health Sciences Center; 4Royal Marsden Hospital; 5Stanford University

(P680) DOUBLE-BARREL FIBULA FLAP MANDIBULAR RECONSTRUCTION IS SAFE AND ALLOWS FOR BETTER DENTAL REHABILITATION THAN SINGLE-BARREL FIBULA FLAPS
Bachar F Chaya, MD; Jorge Trilles, BS; Daniel Boczar, MD; Ricardo Rodriguez Colon, BS; Lavinia Anzai, MD; David A Daar, MD, MBA; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P681) DONOR SITE MANAGEMENT PRACTICES: SURVEY OF HEAD & NECK MICROVASCULAR SURGEONS AND REVIEW OF THE LITERATURE
Caitlin McMullen, MD1; Larissa Sweeney, MD2; Vasu Divi, MD1; Wenyi Fan1; Trevor Hackman, MD1; Ryan Jackson, MD1; Brett Miles, DDS, MD1; Urjeet Patel, MD1; Richard Reich, PhD1; Joseph Zenga, MD1; Jeremy Richmond, MD1; 1Moffitt Cancer Center; 2Louisiana State University, Baton Rouge; 3Stanford University; 4University of North Carolina; 5Washington University; 6Mount Sinai; 7Northwestern College of Wisconsin; 8Massachusetts Eye & Ear

(P682) PROGNOSTIC FACTORS IN FREE FLAPS FAILURE AND SALVAGE MICROSURGERY FOR COMPLEX ONCOLOGY DEFECTS IN HEAD AND NECK SURGERY
Bruno Albuquerque; Emilio Tosto; Fernando Dias; Raphael Calhau; Adealison Moreira; Stefano Fiuza; Paula Moreitzsohn; Roberto Lomanto; Jessica Marquet; Pedro Henrique Goncalves; INCA

(P683) BLOOD TRANSFUSION AND FREE FLAP PROCEDURES OF THE HEAD AND NECK: A NSQIP ANALYSIS
Dongmin C Kim; Gregory L Barinsky, PharmD; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P685) EXTENDED-DURATION CHEMOPROPHYLAXIS IN HEAD AND NECK CANCER PATIENTS UNDERGOING MICROVASCULAR FREE TISSUE TRANSFER
Kiranya Tipirineni1; Mark Arnold2; Mark Marzouk1; Jesse I Ryan1; 1SUNY Upstate; 2Emory University

(P686) THE IMPACT OF DEPARTMENTAL EXPANSION OF MICROVASCULAR RECONSTRUCTION ON FREE FLAP RATE AND VOLUME
Kendall K Tasche, MD; Robert M Brody, MD; Ara A Chalian, MD; Jason G Newman, MD; Karthik Rajasekaran, MD; Rabie M Shanti, DMD, MD; Steven B Cannady, MD; University of Pennsylvania

(P687) ANATOMIC VARIANTS OF THE SUBSCAPULAR-THORACODORSAL ARTERIAL SYSTEM: A RADIOLOGIC ANALYSIS OF 200 PATIENTS
Thomas F Barrett, MD; Hilary Orlowski, MD; Jason T Rich, MD; Ryan S Jackson, MD; Patrik Pipkorn, MD; Sidharth V Puram, MD, PhD; Washington University

(P688) A NOVEL FIBULA MALLEOLUS CAP TO INCREASE THE ACCURACY OF COMPUTER-ASSISTED JAW RECONSTRUCTION: A COMPARATIVE STUDY
Jingya Jane Pu, BDS; Yuxiong Su; The University of Hong Kong

(P690) FREE TISSUE TRANSFER FOR PALLIATION IN HEAD AND NECK CANCER: A SYSTEMATIC REVIEW
Harkaran Guryan, MD; Herschel Patel; Christopher Britt, MD; Dylan Lippert, MD; Lance Oxford, MD; Baylor Scott & White Health

(P691) SAFETY OF THE INCIDENTAL NECK DISSECTION OR EXPLORATION DURING FREE TISSUE TRANSFER AFTER HEAD AND NECK IRRADIATION
Margaret E Wieser, BA1; Laura M Dooley, MD2; Tabitha L Galloway, MD2; Robert P Zitsch, III, MD2; Patrick T Tassone, MD2; 1University of Missouri School of Medicine; 2Department of Otolaryngology–Head and Neck Surgery, University of Missouri School of Medicine

(P692) RE-RECONSTRUCTION: BONY FREE FLAP SECONDARY RECONSTRUCTION OF OSTEORADIONECROTIC PRIMARY BONY FREE FLAPS
Peter T Dziegielewski, MD, FRSCSC; Dustin Conrad; Spencer Nichols; University of Florida
(P693) DEMYSTIFYING THE SUBMENTAL FLAP: ANATOMIC VARIATIONS AND CLASSIFICATION OF THE VASCULAR ANATOMY
Brent A Chang, MD; Carolyn A DeBiase, MD; Thomas H Nagel, MD; Richard E Hayden, MD; 1LSU Shreveport; 2Mayo Clinic Arizona

(P694) COGNITIVE FUNCTION AND PERIOPERATIVE OUTCOMES IN PATIENTS WITH HEAD AND NECK CANCER
Katherine Larrabee, MD; Amy M Williams, PhD; Nicole Meeks; Steven S Chang, MD; Tamer Ghanem, MD; Farzan Siddiqui, MD, PhD; Kylie Springer, MS; Vivian F Wu, MD; Samantha Tam, MD, MPH; Suhael Momim, MD; 1Henry Ford Health System; 2Wayne State University - School of Medicine; 3Department of Public Health Sciences, Henry Ford Health System

(P695) CONTINUOUS LOCAL ANESTHETIC INFUSION AT FLAP HARVEST SITES FOR POST-OPERATIVE PAIN CONTROL AFTER MAJOR HEAD AND NECK CANCER SURGERY AND RECONSTRUCTION
Joshua D Smith, MD; Mark-Anthony Lingaya, BS; Steven B Chinn, MD; Andrew J Rosko, MD; Matthew E Spector; Keith A Casper, MD; Kelly M Malloy, MD; Mark E Prince, MD; Chaz L Stucken, MD; University of Michigan

(P696) ARE TWO VEINS BETTER THAN ONE IN FREE FIBULA FLAP HEAD & NECK RECONSTRUCTION?
Daniel Boczar, MD; Ricardo Rodriguez Colon, BS; Bachar Chaya, MD; Jorge Trilles, BS; David A Daar, MD, MBA; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson, MD; New York University School of Medicine/Medical Center (SSO)

(P697) VARIATIONS IN THE FIBULAR FREE FLAP TECHNIQUE AMONGST NORTH AMERICAN ACADEMIC SURGEONS: A SURVEY STUDY
Roberto M Soriano, MD; Oleksandr Butskiy, MD; Azeem S Kaka, MD; 1Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; 2University of British Columbia, Department of Otolaryngology-Head and Neck Surgery

(P698) SEMIAUTOMATIC DIGITAL DESIGN OF AURICULAR PROSTHESES IN PATIENTS WITH A UNILATERAL EAR DEFECT.
Tjitske Bannink, MSc; Maarten van Alpen, PhD; Baris Karakullukçu, MD, PhD; Michiel van den Brekel, MD, PhD; Netherlands Cancer Institute - Antoni van Leeuwenhoek

(P699) ANALYSIS OF RECONSTRUCTION METHODS FOR SELF-INFLICTED CRANIOMAXILLOFACIAL GUNSHOT WOUNDS
Ashleigh Weyh, MD, DMD, MPH; Juliana Gomez, DDS; Karlie Kashat, DDS; Rui Fernandes, MD, DMD; Anthony Bunnell, MD, DMD; University of Florida Jacksonville

(P700) OBJECTIVE EVALUATION OF ORBITO-ZYGOMATIC RECONSTRUCTION WITH SCAPULAR TIP FREE FLAPS TO RESTORE FACIAL PROJECTION AND ORBITAL VOLUME.
Axel Sahovaler, MD; Harley Chan, PhD; Marco Ferrari, MD; Tommaso Gualtieri, MD; Charlotte Zhang; Stefano Taboni, MD; Jonathan Irish, MD; Ralph Gilbert, MD; 1University of Toronto; 2University of Brescia

(P701) DOES THE USE OF 2-OCTYL CYANOACRYLATE IMPROVE SURGICAL WOUND DEHISCENCE IN ORAL CAVITY AND OROPHARYNX FREE FLAP RECONSTRUCTION SURGERY?
Dustin Conrad, MD, MSc, FRCSC; Peter Dziegielewski; Brian Hughley; Deepa Dannon; Natalie Silver; University of Florida

(P702) REDUCING FREE FLAP ISCHEMIA TIME IN OSSEOUS RECONSTRUCTION OF THE HEAD AND NECK
William J Reschly; Dustin Conrad; Peter Dziegielewski; Deepa Dannon; Brian Hughley; 1ENT Associates; 2University of Florida

(P703) PREDICTORS OF DISCHARGE DESTINATION AFTER FREE FLAP RECONSTRUCTION OF THE HEAD AND NECK
Gregory L Barinsky, PharmD; Roman Povolotskiy, MD; Dongmin C Kim; Soly Baredes, MD; Dylan F Roden, MD, MPH; Richard C Park, MD; Rutgers New Jersey Medical School

(P704) BIOENGINEERED SCAFFOLDING FOR MANDIBULAR RECONSTRUCTION: A PRECLINICAL, XENOGRAFT ANIMAL STUDY
Marco Ferrari, MD; Stefano Taboni, MD; Tommaso Gualtieri, MD; Harley Chan, PhD; Jason Townson, PhD; Davide Mattavelli, MD, PhD; Donovan Eu, MD; Kamol Dey, PhD; Smitha Mathews, PhD; Federica Re, PhD; Shrinidh Joshi, PhD; Simona Bernardi, PhD; Elisa Borsani, PhD; Axel Sahovaler, MD; Somya Viswanathan, PhD; Piero Nicolai, MD; Luciana Sartore, PhD; Ralph Gilbert, MD; Jonathan Irish, MD; 1Section of Otorhinolaryngology - Head and Neck Surgery, Department of Neurosciences, University of Padua, Padua, Italy; 2Unit of Otorhinolaryngology - Head and Neck Surgery, University of Brescia, Brescia, Italy; 3Guided Therapeutics (GTx) Program, Techna Institute, University Health Network, Toronto, Ontario, Canada; 4MaSTLab – Department of Mechanical and Industrial Engineering, Materials Science and Technology Laboratory, University of Brescia, Brescia, Italy; 5Krembil Research Institute, University Health Network, Toronto, Ontario,
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Canada; "Department of Clinical and Experimental Sciences, University of Brescia, Bone Marrow Transplant Unit, ASST Spedali Civili, Brescia, Italy; CREA [Centro di Ricerca Emato-Oncologica AIL], ASST Spedali Civili Brescia, Brescia, Italy; "Department of Clinical and Experimental Sciences, Section of Anatomy and Physiopathology, University of Brescia, Brescia, Italy; "Department of Otolaryngology - Head & Neck Surgery, University Health Network, University of Toronto, Toronto, Ontario, Canada

(P705) 3D-MAPPING OF MESENCHYMAL STEM CELLS GROWTH ON BIOENGINEERED SCAFFOLDS FOR MAXILLOFACIAL SKELETON REGENERATION: A PRECLINICAL, IN VITRO STUDY
Stefano Taboni, MD; Marco Ferrari, MD; Tommaso Guaitieri, MD; Harley Chan, PhD; Jason Townsend, PhD; Davide Mattavelli, MD, PhD; Donovan Eu, MD; Kamol Dey, PhD; Shrinidhi Joshi, PhD; Federica Re, PhD; Simona Bernardi, PhD; Elisa Borsani, PhD; Axel Sahovaler, MD; Smitha Mathews, PhD; Sowmya Viswanathan, PhD; Piero Nicolai, MD; Luciana Sartore; Domenico Russo, MD; Ralph W Gilbert, MD, FRCSC, BSc; Jonathan C Irish, MD, MSc, FRCSC, FACS; "Section of Otorhinolaryngology – Head and Neck Surgery, Department of Neurosciences, University of Padua, Italy; "Unit of Otorhinolaryngology – Head and Neck Surgery, Department of Medical and Surgical Specialties, Radiological Sciences, and Public Health, University of Brescia, Brescia, Italy; "Guided Therapeutics (GTx) Program, Techna Institute, UHN, Toronto, Ontario, Canada; "Department of Otolaryngology – Head and Neck Surgery/Surgical Oncology, Princess Margaret Cancer Centre/University Health Network, Toronto, Ontario, Canada; "Department of Applied Chemistry and Chemical Engineering, Faculty of Science, University of Chittagong, Bangladesh and Department of Mechanical and Industrial Engineering, University of Brescia, Brescia, Italy; "University Health Network, Princess Margaret Hospital, Toronto, ON, Canada; "Chair of Hematology, Unit of Blood Diseases and Stem Cell Transplantation, Department of Clinical and Experimental Sciences, University of Brescia, ASST Spedali Civili di Brescia, Brescia, Italy; "Division of Anatomical and Physiological Sciences, University of Brescia; "Department of Mechanical and Industrial Engineering, University of Brescia, Brescia, Italy

(P706) TRISMUS MANAGEMENT IN PATIENTS USING MICROVASCULAR FREE FLAPS IN PATIENTS WITH A HISTORY OF INTRAORAL RESECTION
Ricardo Rodriguez Colon, BS; Daniel Boczar, MD; Emily M Kamen, MD; David A Daar, MD, MBA; Lavinia Anzai, MD; Jamie P Levine, MD; Adam S Jacobson; New York University School of Medicine/Medical Center (SSO)

(P707) PATIENT-REPORTED DONOR SITE QUALITY OF LIFE OUTCOMES FOLLOWING FIBULA FREE FLAP RECONSTRUCTION
Edgar Ochoa, BS; Ramon Bustos, BS; James Cevallos, BS; Chase M Heaton, MD; Rahul Seth, MD; P. Daniel Knott, MD; Andrea Park, MD; "School of Medicine, University of California - San Francisco; "Department of Otolaryngology-Head and Neck Surgery, University of California-San Francisco

(P710) THE IMPACT OF MULTIPLE SIMULTANEOUS ONCOLOGIC SURGERIES WITH FREE FLAPS RECONSTRUCTION ON OUTCOMES.
Hugo F Kohler; Jose G Vartanian; Monica L Rodrigues; Luiz P Kowalski; A C Camargo Cancer Center

(P711) HEAD AND NECK RECONSTRUCTION USING INFRAHYOID FLAPS FOR LARGE ORAL CAVITY DEFECTS.
Shreya Rai; Mudit Agarwal, Dr; Kiran Joshi, Dr; Abhishek Singh, Dr; Shashank Choudhary, Dr; Sunil Kumar, Dr; Rajiv gandhi cancer research institute

(P712) COMPOSITE SCAPULA FREE FLAP MAXILLOFACIAL RECONSTRUCTION FOR PATIENTS WITH SIGNIFICANT MEDICAL CO-MORBIDITIES AND PERIPHERAL VASCULAR DISEASE: ARE PRE-OPERATIVE CO-MORBIDITY ASSESSMENTS ACCURATE?
Michael Nagai, MD, DDS; Joshua Lubek, MD, DDS; Donita Dyalram, MD, DDS; "Erie County Medical Center; "University of Maryland

(P713) APPLICATION OF VIRTUAL SURGICAL PLANNING TO SECONDARY MANDIBULAR RECONSTRUCTION USING SCAPULAR FREE FLAPS
Tara E Mokhtari, MD; Andrew J Holcomb, MD; Alisa Yamasaki, MD; Robert Lindau, MD; Tyson Nielsen, MD; Linda Lee, MD; Jeremy D Richmon, MD; "Massachusetts Eye and Ear / Harvard Medical School; "Nebraska Methodist Hospital

(P714) LONG-TERM OUTCOMES AND COMPLICATIONS OF VASCULARIZED ADIPOFASCIAL FLAPS FOR TOTAL AND RADICAL PAROTIDECTOMY RECONSTRUCTION
Patrick Carpenter, MD; Aaron Zebolsky; Katherine Wai, MD; Andrea Park, MD; Rahul Seth, MD; P. Daniel Knott, MD; University of California San Francisco
(P715) COMPARING POST-OPERATIVE OUTCOMES BETWEEN FREE FLAP & PEDICILE FLAP RECONSTRUCTION FOLLOWING HEAD & NECK SURGERY
Samer T Elsamna, BA; Ghayour Mir, DO; Ibraheem Shaik, BS; Dylan F Roden, MD; Rutgers New Jersey Medical School, Department of Otolaryngology—Head & Neck Surgery

(P717) ASSOCIATION BETWEEN HYPERTENSION REQUIRING MEDICATION AND 30-DAY OUTCOMES IN HEAD AND NECK MICROVASCULAR SURGERY
Philip R Brauer, BA; Xuefei Jia, MS; Eric D Lamarre, MD; ‘Case Western Reserve University School of Medicine; ‘Taussig Cancer Institute, The Cleveland Clinic; ‘Head and Neck Institute, The Cleveland Clinic

(P718) MELD-NA AS A PREDICTOR OF SHORT TERM COMPLICATIONS AFTER MICROVASCULAR RECONSTRUCTION OF THE HEAD AND NECK
Dongmin C Kim; Gregory L Barinsky, PharmD; Jean Anderson Eloy, MD; Soly Baredes, MD; Richard C Park, MD; Rutgers New Jersey Medical School

(P719) EARLY ORAL INTAKE AFTER MICROVASCULAR RECONSTRUCTION OF THE UPPER AERODIGESTIVE TRACT
Eric Remer, MD; Jorge Trilles, BS; Ricardo Rodriguez Colon, BS; Michael Papazian, BS; David Daar, MD; Babak Givi, MD; Jamie Levine, MD; Adam Jacobson, MD; NYU Langone Health

(P720) VERSATILITY AND RELIABILITY OF THE ANTEROLATERAL THIGH FLAP FOR RECONSTRUCTION OF COMPLEX TEMPORAL BONE RESSECTION DEFECTS
Roberto M Soriano, MD; Oleksandr Butskiy, MD, MHSc; H. Michael Baddour, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; C. Arturo Solares, MD; ‘Emory University School of Medicine, Department of Otolaryngology-Head and Neck Surgery; ‘University of British Columbia, Department of Otolaryngology-Head and Neck Surgery

(P721) SALVAGE OROPHARYNGECTOMY WITH FREE FLAP RECONSTRUCTION: SURGICAL AND FUNCTIONAL OUTCOMES
Peter T Dziegielewski, MD, FRCSC; Deepa Dana, MD; Dustin Conrad, MD, FRCSC; Brian Hughley, MD; University of Florida

(P722) OROCUTANEOUS FISTULA AFTER ORAL CAVITY RESECTION AND RECONSTRUCTION: SYSTEMATIC REVIEW AND META-ANALYSIS
Patrick Tassone, MD; Tabitha Galloway, MD; Laura Dooley, MD; Robert Zitsch, MD; University of Missouri

(P723) EXTERNAL CUTANEOUS COLOR MATCH FOLLOWING FREE TISSUE TRANSFER IN HEAD AND NECK RECONSTRUCTION: A COLORIMETRIC AND AESTHETIC ANALYSIS
Sarah M Dermody, MD; Peter W Kahng, MD; Hassan B Nasser, MD; Michelle M Chen, MD; Keith A Casper, MD; Kelly M Malloy, MD; Andrew J Rosko, MD; Chaz L Stucken, MD; Steven B Chinn, MD, MPH; Matthew E Spector, MD; Allen L Feng, MD; University of Michigan Department of Otolaryngology Head and Neck Surgery

(P724) A NOVEL APPROACH TO MINIMIZE COMPLICATIONS IN THE SURGICAL MANAGEMENT OF OSTEORADIONECROSIS OF THE MANDIBLE WITH FIBULA FREE FLAP RECONSTRUCTION
Jonathan Shum, MD, DDS; Andrew Huang, MD; Jamie Choi, MD, DDS; ‘University of Texas Health Science Center at Houston; ‘Baylor College of Medicine

(P725) SALVAGE SURGERY OUTCOMES FOR ORAL, OROPHARYNGEAL, SINONASAL, LARYNGEAL AND HYPOPHARYNGEAL SQUAMOUS CELL CARCINOMA
Chengtai R Mahomva, MD; Kevin J Contrera, MD, MPH; Bhavya K Sharma, BS; Wei Wei, MS; Shlomo A Koyfman, MD; Brian B Burkey, MD; Michael Fritz, MD; Jamie A Ku, MD; Eric D Lamarre, MD; Robert R Lorenz, MD; Joseph Scharpf, MD; Raj Sindwani, MD; Brandon L Prendes, MD; ‘Head & Neck Institute, Cleveland Clinic; ‘Northeast Ohio Medical University; ‘Taussig Cancer Institute, Cleveland Clinic; ‘Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic

(P726) RECONSTRUCTIVE SURGERY FOR HEAD AND NECK CANCER PATIENTS AGED 75 YEARS OR MORE
Hirokazu Uemura, PhD, MD; Nara Medical University

(P727) A NOVEL ALGORITHM FOR FREE TISSUE RECONSTRUCTION OF ADVANCED MIDFACE DEFECTS: UTILITY OF THE SCAPULA FREE FLAP
Danielle E Scarola, MD; Oleksandr Butskiy, MD; Roberto M Soriano; Jordan Varghese; Yaw Owusu; H. Michael Baddour, MD; Brian J Boyce, MD; Azeem S Kaka, MD; Mihir R Patel, MD; Mark W El-Deiry, MD; Emory University
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(P730) USE OF ROTATIONAL THROMBOELASTOMETRY (ROTEM®) IN THROMBOTIC COMPLICATIONS OF MICROVASCULAR HEAD AND NECK RECONSTRUCTION
Katie K Spielbauer, MD; Jumin Sunde, MD; Marisa Buchakjian, MD; Keith A Casper, MD; Kelly M Malloy, MD; Chaz L Stucken, MD; Mark E Prince, MD; Andrew J Rosko, MD; Samuel Schechtman, MD; Steven B Chinn, MD, MPH; Sathish S Kumar, MD; Matthew E Spector, MD; 1Michigan Medicine; 2University of Arkansas; 3University of Iowa

(P731) BOTULINUM TOXIN A FOR THE TREATMENT OF FIRST BITE SYNDROME - A SYSTEMATIC REVIEW
Noah Shaikh, MD; Haseeb Jafary, BS; Meghan Turner, MD; 1West Virginia University; 2Marshall University School of Medicine

(P732) PATHOLOGIC CHARACTERISTICS ASSOCIATED WITH CLINICAL OUTCOMES IN SALIVARY GLAND ADENOID CYSTIC CARCINOMA
Sarah M Dermody, MD; Catherine T Haring; Collin Brummel; Keith A Casper; Steven B Chinn, MD, MPH; Kelly M Malloy, MD; Mark E Prince, MD; Andrew J Rosko, MD; Andrew G Shuman, MD; Chaz L Stucken, MD; Caitlin Schonewolf, MD; Jennifer Shah, MD; Michelle Mierzwa, MD; Francis P Worden, MD; Matthew E Spector, MD; Paul L Swiecicki; University of Michigan, Department of Otolaryngology Head and Neck Surgery

(P733) THE ROLE OF PERINEURAL INVASION IN PAROTID MALIGNANCY OUTCOMES: A SYSTEMATIC REVIEW AND META-ANALYSIS
Elycia Kazemian, MD; 1Mark Solinski, BS; William Adams, PhD; Mary Moore, MS; Eric Thorpe; 1Loyola University Medical Center; 2Loyola University Chicago Stritch School of Medicine

(P734) INTRAOPERATIVE RADIOGRAPHY: A VALUABLE, EFFECTIVE, AND TIMELY TOOL IN TRANSORAL SIALOLITH EXCISION
Brian P Kinealy, MD; Arya W Namin, MD; Robert P Zitsch, III, MD; Arnaldo L Rivera, MD; 1University of Kentucky College of Medicine; 2University of Missouri School of Medicine

(P735) MANAGING BUCCAL SPACE TUMOURS – A CASE SERIES ILLUSTRATING THE DIFFERENT SURGICAL APPROACHES TO THE BUCCAL SPACE
Augustine Yui-Ler Chai; Ming Yann Lim; Hao Li; Weizhong Ernest Fu; Jin Keat Siow; Yijin Jereme Gan; Tan Tock Seng Hospital

(P736) POTENTIAL ROLE OF FDG-PET IN PREOPERATIVE ASSESSMENT OF PRIMARY SALIVARY GLAND MALIGNANCIES
Sevda Karimian, Dr, med; Niels J Rupp, Dr, med; Martin W Hüellner, PD, Dr, med; Sandra N Freiberger, Dr, sc, nat; Martina A Broglio, PD, Dr, med; Grégoire B Morand, Dr, med; University Hospital Zurich

(P737) CHARACTERISTIC GENE EXPRESSION OF SALIVARY DUCT CARCINOMA EX PLEOMORPHIC ADENOMA
Takayoshi Suzuki, PhD, MD; Satoshi Kano, PhD, MD; Masanobu Suzuki, PhD, MD; Shinichiro Yasukawa, PhD, MD; Takatsugu Mizumachi, PhD, MD; Nayuta Tsushima, MD, Akihiro Homma, PhD, MD; Hokkaido University

(P738) A HUGE TUMOR WITH FOLLICULAR LYMPHOMA OF THE PAROTID GLAND TREATED SUCCESSFULLY BY RADICAL REPORT AND REVIEW OF LITERATURE.
Duy Ngo, MD; Duong Le; Toan Tran; Quy Ngo, PhD; Quang Le, Prof; Vietnam National Cancer Hospital

(P739) INCREASED PRETREATMENT NEUTROPHIL-TO-LYMPHOCYTE RATIO ASSOCIATED WITH SALIVARY GLAND CANCER RECURRENTNESS
Joseph Kidane, BS; Michelle J Lee, BS; Steven R Long, MD; Ivan H El-Sayed, MD; Jonathan R George, MD; Chase M Heaton, MD; William R Ryan, MD; Patrick K Ha, MD; University of California San Francisco

(P740) QUANTITATIVE TEXTURE ANALYSIS OF SONOGRAPHIC IMAGES FOR THE SALIVARY GLANDULAR TUMORS
Li-Jen Liao, Dr; Wu-Chia Lo; Far Eastern Memorial Hospital

(P741) SECRETORY CARCINOMA; REVIEW OF 10 YEARS WORLD-WIDE EXPERIENCE AND META-ANALYSIS
Eyal Yosefof, MD; Tomer Boldes; Daniel Dan; Eyal Robenshtok, MD; Gideon Bachar, MD; Thomas Shpitzer, MD; Aviram Mizrachi, MD; Rabin Medical Center

(P742) PATIENT AND TREATMENT FACTORS IN MAJOR SALIVARY GLAND MALIGNANCY IN THE OLDER POPULATION: ASSESSMENT OF OUTCOMES IN SEER-MEDICARE DATABASE ANALYSIS
Joshua A Thompson, MD; Olga A Goloubeva, MS, PhD; Neila Kline; Kavita Bhatnagar; Rodney J Taylor, MD, MSPH; 1University of Maryland Medical Center; 2University of Maryland School of Medicine
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(P743) COMPARISON OF HANDHELD BIQ ULTRASOUND VERSUS STANDARD ULTRASOUND FOR GUIDED TRANSCUTANEOUS SALIVARY GLAND INJECTION ACCURACY: A PILOT STUDY  
David Y Goldrich, MD; Shivam Patel, BS; Neerav Goyal, MD; The Pennsylvania State University College of Medicine

(P744) TARGETING CANCER STEM CELLS WITH MTOR INHIBITORS IN MUCOEPIDERMOID CARCINOMA  
Takahumi Nakano1; Kristy A Warner1; Alexandra E Oklejas2; Zhaoceng Zhang1; Christie R Ramirez1; Andrew G Shuman2; Jacques E Nör1; 1University of Michigan School of Dentistry; 2University of Michigan School of Medicine

(P746) A BENIGN MALIGNANCY? NONINVASIVE CARCINOMA EX PLEOMORPHIC ADENOMA: A RECENT INSTITUTIONAL CASE SERIES AND LITERATURE REVIEW FOR A THIS RARE TUMOR  
Andrew J Coniglio, MD; Catherine J Lumley, MD; Samip N Patel, MD; Jeffrey M Blumberg, MD; UNC Chapel Hill Department of Otolaryngology

(P747) CHRONIC IDIOPATHIC SIALADENITIS AND RADIOIODINE THERAPY INDUCED SIALADENITIS — PRESENTATION AND OUTCOMES  
Hanna Gilat, MD; Igor Vainer, MD; Avishai Gal, DMD; Shiri Maymon, MD; Alkan Uri, MD; Roy Hod, MD; Eyal Robinshtock, MD; Sivan Friedman, MD; Thomas Shpitzer, MD; Rabin Medical Center - Beilinson Hospital, Petach Tikva, Israel

(P748) HOLOGRAM IMAGING OF THE EXTRACRANIAL FACIAL NERVE : A NEW DIMENSION TO PAROTID SURGERY.  
Ahmad Saada; Simon Morley; Timothy Beale; Soudeh Chegini; Mark McGurk; University College London Hospital

(P749) COMPARATIVE OUTCOMES OF SALIVARY GLAND CANCER BY TUMOR HISTOLOGY WITH PREDICTIVE SURVIVAL MODELING  
Bryan Hair, BS; Kevin Contrera, MD; Brandon Prendes, MD; Shlomo A Koyfman, MD; Brian B Burkey, MD; Cleveland Clinic Foundation

(P750) PROGNOSTIC FACTORS OF RECURRENCE IN SALIVARY GLAND CANCER: A 17-YEAR SINGLE INSTITUTION EXPERIENCE  
Michelle J Lee, BS; Joseph Kidane, BS; Steven R Long, MD; Ivan H El-Sayed, MD; Jonathan R George, MD; Chase M Heaton, MD; William R Ryan, MD; Patrick K Ha, MD; 1University of California San Francisco, San Francisco, School of Medicine; 2University of California San Francisco, Department of Pathology; 3University of California San Francisco, Department of Otolaryngology-Head and Neck Surgery

(P751) THE IMPACT OF HER2 STATUS ON SURVIVAL OUTCOMES IN SALIVARY DUCT CARCINOMA: A SYSTEMATIC REVIEW AND META-ANALYSIS  
Chris Y Williams1; Nicole C Schmitt2; Adam Townsend1; Nancy Terry1; Arun Sharma1; 'University of Cambridge School of Clinical Medicine; 'Emory University School of Medicine; 'NIH/NIDCD; 'Southern Illinois University School of Medicine

(P752) THE EFFECT OF NECK DISSECTION ON REGIONAL RECURRENCE IN SALIVARY GLAND CANCER  
Michelle J Lee, BS; Joseph Kidane, BS; Steven R Long, MD; Ivan H El-Sayed, MD; Jonathan R George, MD; Chase M Heaton, MD; William R Ryan, MD; Patrick K Ha, MD; 1University of California San Francisco, San Francisco, School of Medicine; 2University of California San Francisco, Department of Pathology; 3University of California San Francisco, Department of Otolaryngology-Head and Neck Surgery

(P753) CELL-FREE CIRCULATING TUMOR DNA IN PATIENTS WITH RECURRENT ADENOID CYSTIC CARCINOMA AND THE POTENTIAL ACTIVITY OF SELECTIVE FIBROBLAST GROWTH FACTOR RECEPTOR (FGFR) INHIBITORS  
Cesar A Perez, MD; Giselle Dutcher, MD; Zoukaa B Sargi, MD; Nelson V Guevara1; David T Tse, MD; Pasquale W Benedetto; 'University of Miami; 'John Hopkins Bloomberg School of Public Health

(P754) PROGNOSTIC FACTORS AND OUTCOME IN MINOR SALIVARY GLAND CANCER OF ORAL CAVITY AND OROPHARYNX  
Paula Moretzsohn; Fernando Dias; Jessica Marquet; Pedro Henrique Gonçalves; Stefano Fiuza; Terence Farias; Izabella Santos; Emilio Tosto; INCA

(P755) ANDROGEN DEPRIVATION THERAPY FOR ADVANCED OR RECURRENT SALIVARY GLAND CARCINOMA: A SYSTEMATIC REVIEW  
Nrusheel Kattar1; Lily Trinh2; Brett Campbell2; Basit Jawad, MD; Ryan Winters, MD; 'UQ-Ochsner School of Medicine; 'Tulane University School of Medicine; 'Tulane Affiliated Program in Otolaryngology; 'Ochsner Medical Center Department of Otolaryngology
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(P756) XANTHOGRANULOMATOUS INFLAMMATION IN THE NECK: AN EXAMINATION OF TWO UNIQUE CASES AND REVIEW OF THE LITERATURE
Nizar Tejani, MD; Ameya Asarkar, MD, FACS; Catherine Chaudoir, MD; Edward Milligan, MD; 1Otolaryngology Section, Surgical Service, Overton Brooks VA Medical Center, Shreveport, LA; 2Department of Pathology, Overton Brooks VA Medical Center, Shreveport, LA

(P757) NATIONAL ANALYSIS OF OROPHARYNGEAL SALIVARY GLAND MALIGNANCIES TREATED WITH TRANSORAL ROBOTIC SURGERY
Kevin Wang, BS; Pablo Llerena, BS; Craig A Bollig, MD; Rutgers Robert Wood Johnson Medical School

(P758) PAROTID GLAND SALIVARY MALIGNANCIES: CHARACTERIZING OUTCOMES BASED ON FACIAL NERVE INVOLVEMENT
Khashayar Arianpour, MD; Bryan Hair, BA; Meghan Crawley, MD; Shlomo A Koyfman, MD; Brian B Burkey, MD; Eric D Lamarre, MD; 1Head and Neck Institute – Cleveland Clinic; 2Cleveland Clinic Lerner College of Medicine of Case Western Reserve University; 3Department of Radiation Oncology, Taussig Cancer Institute, Cleveland Clinic

(P759) MUCOEPIDERMOID CARCINOMA, IS PRIMARY SITE IMPORTANT?
Ximena Mimica, MD; Avery Yuan, MB, MMCi; Ashley Hay, MD; Daniella Zanoni, MD; Jatin Shah, MD; Richard Wong, MD; Marc Cohen, MD, MPH; Snehal Patel, MD; Ian Ganly, MD, PhD; Memorial Sloan Kettering

(P760) INDICATIONS AND OUTCOMES FOR ELECTIVE DISSECTION OF LEVEL V IN PRIMARY PAROTID CANCER
Andrew P Katz, MD; Riley Larkin, BS; Erin R Cohen, MD; Elizabeth Franzmann, MD; Donald Weed, MD; Francisco J Civantos, MD; Department of Otologyngology, University of Miami Miller School of Medicine

(P761) ADENOID CYSTIC CARCINOMA OF THE HEAD AND NECK: A LARGE SINGLE-CENTER RETROSPECTIVE REVIEW
Lukas D Dumberger, MD; David Shimunov, BA; Aman Prasad, BS; Robert M Brody, MD; Department of Otorhinolaryngology-Head and Neck Surgery, University of Pennsylvania

Skin Cancers Poster Abstracts

(P762) GENDER DIFFERENCES IN PATIENTS WITH ADVANCED CUTANEOUS SQUAMOUS CELL CARCINOMA
John Hanks, MD; Megan Morisada, MD; Brianna Harris, MD; Andrew Birkeland, MD; Marianne Abouyared, MD; D G Farwell, MD; Arnaud F Bewley, MD; 1Boston VA; 2UC Davis; 3Scripps Health

(P763) REDEFINING PERINEURAL INVASION IN HEAD AND NECK CUTANEOUS SQUAMOUS CELL CARCINOMA
Erin R Cohen, MD; Carly Misztal, BS; Cortney Dable, BS; Carlos Green, MD; Samuel Trosman, MD; Carmen Gomez-Fernandez, MD; Elizabeth Nicoll, MD; Christine T Dinh, MD; Zoukaa Sargi, MD, MPH; University of Miami Miller School of Medicine

(P764) SURVIVAL ANALYSIS USING REVISED NODAL STAGING CRITERIA IN PATIENTS WITH HEAD AND NECK CUTANEOUS SQUAMOUS CELL CARCINOMA
Carly Misztal, BS; Erin Cohen, MD; Haley Hullfish, BS; Andrew Katz, MD; Carmen Gomez Fernandez, MD; Samuel Trosman; Jason Leibowitz, MD; Zoukaa Sargi, MD, MPH; 1University of Miami Miller School of Medicine, Department of Otolaryngology, Miami, FL; 2University of Miami Miller School of Medicine, Department of Otolaryngology, Miami, FL; 3University of Miami Miller School of Medicine, Department of Pathology, Miami, FL; 4Mount Sinai Hospital, Icahn School of Medicine, New York, NY

(P765) ANTERIOR TRANSFACIAL ENDOSCOPIC-ASSISTED APPROACH TO METASTATIC CUTANEOUS MALIGNANCIES WITH V2 INVOLVEMENT
Jeremy S Ruthberg; Anish Abrol, MD; Claudia C Cabrera, MD; Akina Tamaki, MD; Rod Rezaee, MD; 1Case Western Reserve University School of Medicine; 2University Hospitals Cleveland Medical Center

(P766) EXTENDED ORBITAL EXENTERATION FOR ADVANCED BASAL CELL CARCINOMA: AN INSTITUTION EXPERIENCE.
Bernardo Peryassu; Paula Moretzsohn; Roberto Lomanto; Pedro Henrique Goncalves; Jessica Marquet; Fernando Dias; Stefano Fiuza; INCA

(P768) PAROTIDECTOMY AND NECK DISSECTION IN LOCALLY ADVANCED AND RELAPSED CUTANEOUS SQUAMOUS CELL CARCINOMA OF HEAD AND NECK REGION
Giulianno M Melo, PhD; Luiz H Guilherme, MD; Arthur P Gatti, MD; Marcel N Palumbo, MSc; Murilo C Neves, PhD; Marcello Rosano, MD; Fabiano M Callegari, MD; Marcio Abrahao, PhD, Full Professor; Onivaldo Cervantes, PhD, Full Professor; Department of Otorhinolaryngology and Surgery in Head and Neck – Federal University of São Paulo / Paulista School of Medicine (UNIFESP/EPM)
(P769) UTILITY OF NECK DISSECTIONS IN SQUAMOUS CELL CARCINOMAS OF THE TEMPORAL BONE
Benjamin R Johnson, MD; Claudia I Cabrera Aviles, MD; Armine Kocharyan, MD; Nauman Manzoor, MD; Akina Tamaki, MD; University Hospitals Cleveland Medical Center / Case Western Reserve University

(P770) LYMPH NODE YIELD IS ASSOCIATED WITH SURVIVAL IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Moran Amit, PhD; The University of Texas MD Anderson Cancer Center

(P771) MANAGEMENT TRENDS AMONG GERIATIC HEAD & NECK MELANOMA PATIENTS
Senthruran Tharmalingam, MD, MSc1; Cecelia Schmalbach, MD, MSc2; ‘Fox Chase Cancer Center; 2Temple University Hospital

(P773) YOU’VE GOT CHEEK: A COMBINATION TECHNIQUE FOR SURGICAL MANAGEMENT OF CHEEK MELANOMA
N Wielogorska, Miss; C Ekwobi; Preston Royal Hospital

(P774) DEPTH OF INVASION IS AN INDEPENDENT PREDICTOR OF OCCULT NODAL METASTASES AND SURVIVAL IN CUTANEOUS SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK
Chuan Liu, PhD; Moran Amit, MD, PhD; The University of Texas MD Anderson Cancer Center

(P775) INHIBITION OF FIBROBLAST GROWTH FACTOR RECEPTOR (FGFR) ABROGATES ULTRAVIOLET-B (UVB)-INDUCED SKIN CARCINOGENESIS
Janmaris Marin Fermin, MD; Alok Khandelwal, PhD; Jonathan Austin Berry A Berry, MD; Mark Landry, MD; Zach Temple, MD; Adam Blancher, MD; John DiGiovanni, PhD; Cherie-Ann Nathan, MD, FACS; Department of Otolaryngology, Head and Neck Surgery, LSU Health Sciences Center, Shreveport.

(P777) OPTIMAL DEEP RESECTION MARGIN IN SENTINEL LYMPH NODE BIOPSY NEGATIVE CUTANEOUS HEAD & NECK MELANOMAS
Michael Xie, MD; Sepideh Mohajeri, MD; Kelvin Zhou, BSc; Ali Zhang; Raphaelle Koerber, BSc, PhD; James Young, MD, FRCSC, FACS; Han Zhang, MD, FRCSC; McMaster University

(P778) OUTCOMES OF SURGERY IN IMMUNOCOMPROMISED PATIENTS WITH PAROTID METASTASES FROM CUTANEOUS HEAD AND NECK SQUAMOUS CELL CARCINOMAS. A CASE CONTROL ANALYSIS.
Fiona Chen, MBBS, BMedSc, MPH1; MinTing Tan, MBBS1; Eldho Paul, PhD2; Stephen Tudge, MBBS, MS, FRACS1; ‘Alfred Health; 1Monash University

(P779) MARGIN ANALYSIS IN ADVANCED HEAD AND NECK NON-MELANOMA SKIN CANCER
Sabreena Lawal; Timothy Phillips, MD; Queen’s University

(P780) DECISIONDX PROVIDES COMPLEMENTARY RISK ASSESSMENT IN CUTANEOUS MELANOMA MANAGEMENT
Aleksandra Vidovich, DO1; Ben J Friedman, MD2; Rupen Shah, MD3; Samantha H Tam, MD4; Vivian F Wu, MD, MPH4; 1Department of Otolaryngology & Facial Plastic Surgery, Henry Ford Macomb Hospital, Clinton Township, Michigan, U.S.A.; 2Department of Dermatology, Henry Ford Hospital, Detroit, Michigan, U.S.A.; 3Department of Surgical Oncology, Henry Ford Hospital, Detroit, Michigan, U.S.A.; 4Department of Otolaryngology-Head and Neck Surgery, Henry Ford Hospital, Detroit, Michigan, U.S.A.

(P781) UTILITY OF A NEW ARTIFICIAL DERMIS AS A SUCCESSFUL TOOL IN FACE AND SCALP RECONSTRUCTION FOR SKIN CANCER: ANALYSIS OF THE EFFICACY, SAFETY, AND AESTHETIC OUTCOMES
Fedele Lembo; Liberato Roberto Cecchino; Domenico Parisi; Aurelio Portincasa; Plastic and Reconstructive Surgery Department, Ospedali Riuniti-OORR, University of Foggia

(P782) SURGICAL FACTORS AFFECTING REGIONALLY METASTATIC CUTANEOUS SQUAMOUS CELL CARCINOMA TO THE PAROTID GLAND
Vishwanatha M Rao1; Allen L Feng, MD2; Daniel G Deschler, MD3; Derrick T Lin, MD1; Jeremy D Richmon, MD1; Mark A Varvares, MD2; Kevin S Emerick, MD1; ‘Department of Otolaryngology – Head and Neck Surgery, Massachusetts Eye and Ear; 2Department of Otolaryngology – Head and Neck Surgery, University of Michigan

(P783) INCIDENCE AND PREDICTIVE FACTORS FOR LONG-TERM RECURRENT LOCAL-REGIONAL NODAL METASTASIS IN PREVIOUS SENTINEL LYMPH NODE NEGATIVE CUTANEOUS MELANOMA OF THE HEAD AND NECK
Sepideh Mohajeri, MD; Michael Xie, MD; Kelvin Zhou, BSc; Raphaelle Koerber, PhD; Ali Zhang; Morgan Yuan, BSc; Jem Young, MD, FRCSC, FACS; Han Zhang, MD, FRCSC; McMaster University

Neil K Mehta, BS1; Shaun A Nguyen, MD, FAPCR2; Brent A Chang, MD, FRCS3; Cherie-Ann Nathan, MD, FACS3; 1Medical University of South Carolina; 2Louisiana State University-Health
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