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HOW YOU CAN HELP

Your charitable contributions will help improve the lives of others by supporting breakthrough medical research, new patient care technologies, and the training of tomorrow's healthcare professionals.

We hope you would consider joining us in support of the mission of the Department of Otolaryngology.

For more information on giving, please contact:
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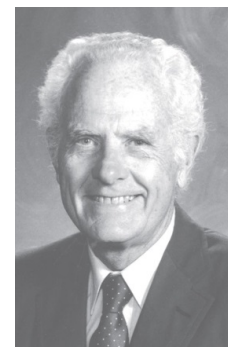
The Ohio State University Department of Otolaryngology - Head and Neck Surgery



Twenty-Fourth Annual Department of Otolaryngology Alumni Symposium

Friday, June 24, 2016

James Cancer Hospital
460 W. 10th Ave
Columbus, OH 43210



WILLIAM H. SAUNDERS, MD

William H. Saunders, MD, Professor, has been a member of the Department of Otolaryngology since 1954. He was Acting Chairman from 1961-1963, and Chairman from 1963-1984. He and his wife, Putzi, have accomplished much.

Dr. Saunders holds society memberships in The American Academy of Ophthalmology and Otolaryngology, the American Laryngological, Rhinological and Otological Society, and the American Laryngological Society among others. He has served as President of the American Board of Triological Society, and past Vice President of the American Board of Otolaryngology and American Laryngological Association.

Dr. Saunders has authored over 80 peer-reviewed journal publications, and has authored or edited five medical textbooks.

ABOUT THE COURSE

This conference is designed to highlight both clinical and research activities of the faculty, residents, fellows and alumni of the Department of Otolaryngology - Head and Neck Surgery at The Ohio State University. It features the Saunders Lecturer, named in honor of William H. Saunders, MD, in recognition and gratitude of his numerous contributions to the discipline of Otolaryngology and the department. The William H. Saunders Lectureship Award recipients are internationally renowned for their accomplishments in patient care, research and education in Otolaryngology - Head and Neck Surgery.

AGENDA: FRIDAY, JUNE 24, 2016

- 7:30AM Registration and Continental Breakfast
- 8:00AM Welcome Remarks
Theodoros Teknos, MD & Edward Dodson, MD
- 8:05AM Department Highlights from FY16
Theodoros Teknos, MD
- 8:30AM Global Surgery 2030: Evidence and Solutions for Achieving Health, Welfare and Economic Development
John Meara, MD, DMD, MBA, The David R. Kelly, MD, Lecturer in Medical Economics
- 9:00AM ICD-10 Update for Otolaryngology
Lori Oberholzer, JD, MS, RT(R) and Jennifer Kelley, RN
- 9:30AM The Ear is Connected to the Brain: The Role of Early Auditory Experience on Neurocognitive Development
Derek Houston, PhD
- 9:50AM Update in Head and Neck Melanoma
Stephen Kang, MD
- 10:10AM **BREAK**
- 10:25AM Vicarious Trauma: A Path Toward Enhanced Compassion in Healthcare
Kenneth Yeager, PhD, LISW, LICDC, Guest Speaker
- 10:45AM Esthesioneuroblastomas: A Comprehensive Review
Alexander Farag, MD
- 11:05AM Cochlear Gene Therapy: Is It Time?
Lawrence Lustig, MD, Saunders Lecturer
- 11:35AM Open Surgical Techniques for Adult Airway Reconstruction
Brad deSilva, MD
- 11:55AM **LUNCH**
- 1:00PM Chronic Cough
L. Arick Forrest, MD
- 1:20PM 3D Nasal Sinus Modeling and Its Application in Rhinology
Kai Zhao, PhD
- 1:40PM Hypoglossal Nerve Stimulation for Obstructive Sleep Apnea
Eugene Chio, MD
- 2:00PM Single Sided Deafness: New Twist on an Old Problem
Lawrence Lustig, MD, Saunders Lecturer
- 2:30PM **BREAK**
- 2:45PM Office-based Otolaryngology: Keys to Patient Comfort and Safety
Edward Dodson, MD
- 3:05PM What I Learned in Residency: Dissecting the Education of a Surgeon in 2016
Sanjeet Rangarajan, MD, M.Eng
- 3:25PM Head and Neck Panel: Oropharynx Cancer in the HPV Era: Case Based Discussion
Moderator – *Stephen Kang, MD*
Panel Members – *Virginia Diavolitsis, MD; Matthew Old, MD; Enver Ozer, MD*
- 4:20PM **ADJOURN**
- 7:00PM **Banquet Reception at Ohio Union, Performance Hall**
- 8:00PM **Banquet Dinner and Program at Ohio Union, Performance Hall**

AGENDA: SATURDAY, JUNE 25, 2016

7:30 AM Golf Outing at the Golf Club of Dublin

EDUCATIONAL OBJECTIVES

At the conclusion of this activity, learners will be able to:

- Identify the five domains of national surgical planning and how a consultative process around these domains led by local stakeholders can lead to lasting health system changes.
- Cite ICD-10 milestones and repeat important reminders and diagnosis-related denials and unspecified codes.
- Discuss how hearing loss affects more than just the ability to hear; it has downstream effects on neurocognitive development.
- Interpret the evolution, treatment and management of the different stages and grades of Esthesioneuroblastomas and the current areas of debate in the field, requiring further research.
- Explain cochlear gene therapy for genetic causes of deafness, hair cell regeneration and the obstacles to gene therapy in the ear.
- Identify the various common causes of adult laryngotracheal stenosis and the surgical techniques available for patients with tracheal stenosis
- Define chronic cough and its etiology, and explain diagnostic and treatment algorithm
- Introduce computational techniques with the capability of capturing and predicting anatomical changes, including surgeries, on nasal physiology and how they might contribute to improving patient care in the future.
- Examine surgical options for obstructive sleep apnea, how to address the hypopharynx in patients with OSA, and define inclusion criteria for hypoglossal nerve stimulation therapy.
- Recognize the obstacle to treatment for patients with single sided deadness and discuss osseointegrated and cochlear implant options available.
- Recite the history and milestones of medical training in the United States, identify generational and sociological trends affecting current otolaryngology programs, and potential areas for improvement.

2016 SAUNDERS LECTURESHIP AWARD RECIPIENT

Lawrence R. Lustig, MD



The Department of Otolaryngology-Head and Neck Surgery is pleased to welcome Lawrence Lustig, MD, as the 24th William H. Saunders Lecturer. Dr. Lustig is one of the nation's leading experts in hearing loss, appointed chair of the Department of Otolaryngology/Head and Neck Surgery at the Columbia University College of Physicians and Surgeons and otolaryngologist-in-chief at New York-Presbyterian Hospital/Columbia University Medical Center in July of 2014.

Dr. Lustig treats the full spectrum of ear disorders in adults and children, as well as skull base disease. His specialties include skull base surgery, cochlear implants, the genetics of hearing loss, cochlear gene therapy, balance disorders, and hair cell physiology. He has led several NIH-funded research projects examining the underlying causes of hearing loss, including a recently completed two-year \$550,000 grant to explore cochlear gene therapy as a potential approach to treating children born with genetic forms of hearing loss.

This work stems from an initial study in which he and colleagues demonstrated that the inner hair cell glutamate-transporter VGLUT3 is integral to the development of hearing, while a mutation of the transporter causes early profound hearing loss. In follow-up studies, they demonstrated that virally mediated gene therapy can successfully restore the hearing phenotype in a mouse model of genetic deafness. Based on this work, they are currently exploring additional models of genetic deafness to see if these results can be duplicated. NIH has awarded a five-year grant to explore the use of virally mediated gene therapy to regenerate spiral (cochlear) ganglia—nerve cells that transport sound from the cochlea to the brain—to enable the sense of hearing. Dr. Lustig's interdisciplinary research includes collaboration with an orthopedic surgery researcher at UCSF to study cochlear bone development. Using animal models and molecular techniques applied to bone growth and development, they are looking at how the material properties of bone enclosing the inner ear contribute to hearing.

They anticipate that their findings may help further understanding of how metabolic abnormalities cause certain types of hearing loss, including otosclerosis, Paget's disease, and other conditions that cause defective bone development. Additional collaboration has included work with a pharmacologist at UCSF, where

Dr. Lustig studied the mechanism of hearing loss caused by platinum-based chemotherapies. Dr. Lustig has published more than 125 articles in peer-reviewed journals, as well as book chapters. He co-edited a textbook, "Clinical Neurotology: Diagnosing and Managing Disorders of Hearing, Balance and the Facial Nerve." In 2004, Dr. Lustig joined UCSF, where he has served as chief of the Division of Otology and Neurotology at both UCSF and San Francisco General Hospital, director of the Douglas Grant Cochlear Implant Center, clinical chief of the otolaryngology service on the Parnassus campus, and co-director of the Center for Balance and Falls.

SPECIAL GUEST SPEAKER

Kenneth R. Yeager, PhD, LISW, LICDC



The Department of Otolaryngology-Head and Neck Surgery is pleased to welcome Kenneth R. Yeager, PhD, LISW, LICDC, as our 2016 guest speaker. In September of 2015, Dr. Yeager was named holder of the David E. Schuller, MD, Professorship for Patient Compassion in the Comprehensive Cancer Center – The Arthur G. James Cancer Hospital and Richard J. Solove Research Institute.

Dr. Yeager is an Associate Clinical Professor in the OSU College of Medicine Department of Psychiatry and Director for Stress Trauma and Resilience Program, or STAR. The Program offers integrated therapeutic interventions to help patients cope with the impact of traumatic stress and also provides support services for physicians and other healthcare professionals and "first responders" such as police, EMTs, and firefighters, who may suffer the effects of vicarious trauma and burn-out. The STAR program provides skill building techniques specifically designed to increase effective coping for individuals at risk of vicarious trauma, the program provides individualized and group resiliency training by building strategies and skills that support emotional wellbeing and proactive behavior wellness.

Dr. Yeager has numerous publications in areas of: Crisis intervention; Treating co-morbid substance abuse and mental illness; quality improvement and developing quality metrics; and evidence-based practice including the Oxford University Press book entitled "Evidence-Based Practice Manual: Research and Outcome Measures in Health and Human Services." He is a member of Oxford Bibliographies Online editorial board and a Treating Clinician for the National Football League Program for Substances of Abuse.

2016 DAVID R. KELLY, MD, LECTURER IN MEDICAL ECONOMICS

John G. Meara, MD, DMD, MBA



The Department of Otolaryngology-Head and Neck Surgery is pleased to welcome John G. Meara MD, DMD, MBA, as the twelfth David R. Kelly, MD, Lecturer in Medical Economics. As the Kletjian Professor of Global Surgery in the Department of Global Health and Social Medicine, and Professor of Surgery at Harvard Medical School, Dr. Meara is the Director of the Program in Global Surgery and Social Change within the Department of Global Health and Social Medicine at Harvard Medical School. Dr. Meara serves as the Plastic Surgeon-in-Chief of the Department of Plastic & Oral Surgery at Boston Children's Hospital and is Chair for the Lancet Commission on Global Surgery. He is also the Vice-Chair of the Health Policy Advisory Group for the American College of Surgeons.

Since 2008, he has Co-Directed the Paul Farmer Global Surgery Fellowship program in collaboration with Partners In Health. Its purpose is to train leaders who will further promote surgical care, education, and research pertinent to global surgery. His clinical interests and innovation activities are in the areas of craniofacial anomalies and cleft lip and palate, but Dr. Meara has a particular interest in augmenting the delivery of quality surgical care in low-resource settings. He is involved in multiple global surgery projects looking at the burden of surgical disease, surgical capacity and systems building in resource poor environments, surgical education, and the economic impact of untreated surgical disease.

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SAVE THE DATE

Our 2017 Symposium will be held Friday, June 23, 2017