SUNDAY, APRIL 11, 2021

SCIENTIFIC PROGRAM

9:00 WELCOME AND OPENING REMARKS
   Patrick J. Antonelli, MD

9:02 PRESIDENTIAL CITATIONS
   George T. Singleton, MD
   Larry B. Lundy, MD
   Samuel C. Levine, MD

9:10 GUEST OF HONOR LECTURE (25 min)
   “Noise-Induced Hearing Loss: Pathophysiology, Treatment, and Prevention”
   Colleen G. Le Prell, PhD
   Professor; Chair, Department of Speech, Language, and Hearing Science
   Emilie and Phil Schepps Professorship in Hearing Science
   University of Texas, Dallas, TX

9:35 DISCUSSION (5 min)

9:42 INTRODUCTION of ABSTRACTS – John Carey, MD & Marlan Hansen, MD, Moderators

9:43 Does Frailty or Age Increase the Risk of Postoperative Complications following Cochlear Implantation?
   Steven A. Gordon, MD, MPH
   Neil S. Patel, MD
   Richard K. Gurgel, MD, MSCI

9:49 Cochlear Implantation and Risk of Falls in Older Adults
   David R. Grimm, MS
   Shayan Fakurnejad, MD
   Jennifer C. Alyono, MD

9:55 Caregiver Quality of Life after Cochlear Implantation in Older Adults
   Alana Aylward, MD
   Morganne Murphy-Meyers, BS
   Chelsea McCarty Allen, PhD
   Steven A. Gordon, MD, MPH
   Neil S. Patel, MD
   Richard K. Gurgel, MD, MSCI
10:01 **RESIDENT RESEARCH TRAVEL AWARD**  
Utilization of Aural Rehabilitation and Listening Activities and Its Influence on 3-6 Month Cochlear Implant Outcomes in Adults  
James R. Dornhoff, MD  
Priyanka Reddy, BS  
Cheng Ma, BS  
Judy R. Dubno, PhD  
Theodore R. McRackan, MD, MSCR

10:07 **Insertion Depth and Cochlear Implant Speech Recognition Outcomes: A Comparative Study of 28- and 31.5-mm Lateral Wall Arrays**  
Michael W. Canfarotta, MD  
Margaret T. Dillon, AuD  
Kevin D. Brown, MD, PhD  
Matthew M. Dedmon, MD, PhD  
Harold C. Pillsbury, MD  
Brendan P. O’Connell, MD

10:13 **DISCUSSION** (8 min) - John Carey, MD & Marlan Hansen, MD, Moderators

10:23 **Comparing Tympanoplasty Outcomes for Porcine Small Intestinal Submucosal Grafting with Temporalis Fascia, Regenerative Tissue Matrix, and Tragal Cartilage Grafting**  
Evan Cumpston, MD  
Brian P. Perry, MD

10:29 **Mesenchymal Stem Cells for Treatment of Delayed-Healing Tympanic Membrane Perforations Using Hyaluronate-Based Laminas as a Delivery System: An Animal Model with Histopathologic Study**  
David Shahal, MD  
Stefania Goncalves, MD  
Simon I. Angeli, MD

10:35 **Topical Fibroblast Growth Factor-2 for Treatment of Chronic Tympanic Membrane Perforations**  
Felipe Santos, MD  
Edina Shu  
Daniel J. Lee, MD  
David H. Jung, MD, PhD  
Alicia M. Quesnel, MD  
Konstantina M. Stankovic, MD, PhD  
D. Bradley Welling, MD, PhD

10:41 **Topical Therapy Failure in Chronic Suppurative Otitis Media Is Due to Persister Cells in Biofilms**  
Anthony Thai, MS  
Peter L. Santa Maria, MBBS, PhD  
Adam C. Kaufmann, MD, PhD  
Brian Bacacao, BS  
Xiaohua Chen, MD, MS  
Ayman Elsheikh, MD  
Laurent A. Bekale, PhD

10:47 **Quinolone Ear Drops Linked to Tendinopathy & Tendon Rupture**  
Phuong T. Tran, MPH  
Patrick J. Antonelli, MD  
Almut G. Winterstein, PhD
10:53 DISCUSSION (7 min) - John Carey, MD & Marlan Hansen, MD, Moderators

11:00 BREAK

11:15 INVITED LECTURE (25 min)
“Ethical Hazards in Surgical Practice”
Casey Jo Humbyrd, MD, MBE
University of Pennsylvania
Associate Professor of Orthopedic Surgery
Chief, Foot and Ankle Division
Director of the Program in Surgical Ethics
Philadelphia, PA

11:40 DISCUSSION (5 Min)

11:47 INTRODUCTION of ABSTRACTS – Sujana Chandrasekhar, MD & Bill Slattery, MD, Moderators

11:48 Does Otologic Surgery Result in Meaningful Hearing Improvement?
Priyanka Reddy, BS
Terral Patel, MD
Ted A. Meyer, MD, PhD
Paul R. Lambert, MD
Theodore R. McRackan, MD, MSCR

11:54 Audiologic Outcomes of Footplate Drillout for Obliterative Otosclerosis
Robert M. Conway, DO
Pedrom C. Sioshansi, MD
Amy Schettino MD
Dennis I. Bojrab MD
Seilesh C. Babu MD
Christopher A. Schutt, MD

12:00 Audiologic Outcomes following Transmastoid and Middle Cranial Fossa Approaches for SSCD Repair
Susan Ellsperman, MD
Steven A. Telian, MD
Paul R. Kileny, PhD
Christopher M. Welch, MD, PhD

12:06 Hearing Outcomes in Superior Canal Dehiscence Syndrome with Concurrent Tegmen Tympani Defects
Eric J. Formeister, MD, MS
Lisa Zhang, BS
John P. Carey, MD

12:12 Otologists Are at Risk for Surgical Noise-Induced Hearing Loss
Nathan D. Cass, MD
Elizabeth L. Perkins, MD
Todd A. Ricketts, PhD
Marc L. Bennett, MD

12:18 DISCUSSION (7 min) - Sujana Chandrasekhar, MD & Bill Slattery, MD, Moderators
12:25  INTRODUCTION of 13 NEW AOS MEMBERS from 2020 & 2021
Sujana Chandrasekhar, MD & Bill Slattery, MD

12:53  RECOGNITION OF POSTER WINNERS - Patrick J. Antonelli, MD

12:55  LUNCH BREAK

1:45  BUSINESS MEETING - Patrick J. Antonelli, MD

1:58  INTRODUCTION MERCHANT LECTURER – Lorne Parnes, MD

2:00  SAUMIL N. MERCHANT MEMORIAL LECTURE
    “Unlocking the Inner Ear with Synchrotron Phase-Contrast Imaging”
    Sumit K. Agrawal, MD
    Associate Professor
    Neurotology & Skull Base Surgery
    Department of Otolaryngology - Head & Neck Surgery
    University Hospital
    London Health Sciences Centre
    Ontario, Canada

2:25  DISCUSSION (5 min)

2:30  INTRODUCTION of ABSTRACTS – Stephen Cass, MD & Lorne Parnes, MD, Moderators

2:31  RESIDENT RESEARCH TRAVEL AWARD
    Histopathologic Analysis of Temporal Bones with Otosclerosis following Cochlear Implantation
    Sarah E. Hodge, MD
    Gail Ishiyama, MD
    Ivan Lopez, PhD
    Akira Ishiyama, MD

2:37  Cochlear Implantation through Intracochlear Fibrosis: A Comparison of Surgical Techniques
    Anne K. Maxwell, MD
    Jacob B. Kahane, MD
    Rahul Mehta, MD
    Moises A. Arriaga, MD, MBA

2:43  Understanding Public Perceptions Regarding Cochlear Implant Surgery in Adults
    Lisa Zhang, BS, BA
    Andy S. Ding, BA
    Deborah X. Xie, MD
    Francis X. Creighton, MD

2:49  Hearing Loss and Incident Dementia: Claims Data from the New York SPARCS Database
    Alexander Chern, MD
    Rahul K. Sharma, BS
    Justin S. Golub MD, MS

2:55  Association of Vitamin D Levels with Benign Paroxysmal Positional Vertigo Outcomes
    Leah H. Cobb, MSc
    Victoria O. Bailey, BSc
3:01  DISCUSSION (7 min) - Stephen Cass, MD & Lorne Parnes, MD, Moderators

3:08  BREAK

3:23  INTRODUCTION of ABSTRACTS – Jennifer Maw, MD & Jeff Vrabec, MD, Moderators

3:24  The Correlation of Clinical Corticosteroid Responsiveness with Expression of IL-6 in Peripheral Blood Immune Cells (PBMC) in Patients with Autoimmune Inner Ear Disease (AIED)
Scott W. Gorthey, MD
Shresh Pathak, PhD
Andrea Vambutas, MD

3:30  Utilizing Single Cell RNA-Sequencing to Implicate Cell Types and Therapeutic Targets for SSNHL in the Adult Cochlea
Lacey Nelson, BS
J. Dixon Johns, MD
Shoujun Gu, PhD
Michael Hoa, MD

3:36  Opioids Are Infrequently Required following Ambulatory Otologic Surgery
Maria A. Mavrommatis, BA
Vivian F. Kaul, MD
Zachary G. Schwam, MD
Dillan F. Villavisapis, BA
Enrique Perez, MD, MBA
George B. Wanna, MD
Maura K. Cosetti, MD

3:42  The Cell Phone Vibration Test: A Telemedicine Substitute for the Tuning Fork Test
Alex Yang, BA
Nora Watson, PhD
Robert J. Lewis, MD
Anthony M. Tolisano, MD

3:48  DISCUSSION (6 min) - Jennifer Maw, MD & Jeff Vrabec, MD, Moderators

3:54  Developmental Disruptions of the Human Stapes
Felipe Santos, MD
Thais Abrahão, MD, PhD (Presenter)

4:00  Congenital Aural Atresia with Cholesteatoma - Diagnosis and Outcome
Geoffrey C. Casazza, MD
Rachel H. Jonas, MD
Bradley W. Kesser, MD
4:06 Epidemiological and Long-term Medical and Surgical Outcomes in Chronic Suppurative Otitis Media
Anthony Thai, MS
Ksenia A. Aaron, MD
Adam C. Kaufman, MD, PhD
Peter L. Santa Maria, MBBS, PhD

4:12 Eustachian Tube Dilation Outcomes at a Tertiary Academic Center
Micah Gibson, MD
Shubham Patel, BS
Esther X. Vivas, MD

4:18 DISCUSSION (7 min) - Jennifer Maw, MD & Jeff Vrabec, MD, Moderators

4:28 PANEL COLLABORATION with AOS/ASGO - “What’s New in Geriatric Otology?”
Kourosh Parham, MD, PhD, Moderator
Steven M. Parnes, MD
Selena E. Briggs, MD, PhD, MBA
Cameron C. Wick, MD
Yuri Agrawal, MD, MPH

5:20 DISCUSSION WITH PANEL (10 min)

5:32 INTRODUCTION OF NEXT AOS PRESIDENT - Marlan R. Hansen, MD
Patrick J. Antonelli, MD

5:34 CLOSING REMARKS

5:40 ADJOURN