Saturday, April 25, 2015

1:00 **Business Meeting** *(AOS new member introduction/photo)*
   *(Members Only)*

1:30 **Scientific Program**
   *(Open to registered Members and Non-members – Badge required for admittance)*

1:30 **Welcome & Opening Remarks by the President**
   *D. Bradley Welling, MD, PhD*

   **Presidential Citations**

   **AOS Guest of Honor Introduction**

1:45 **GUEST OF HONOR LECTURE**
   *“An Imperative for Otology”*
   *Joseph B. Nadol Jr., MD*

2:05 **Impact of Intrascalar Electrode Location, Electrode Type, and Angular Insertion Depth on Residual Hearing in Cochlear Implant Patients**
   *George B. Wanna, MD*
   *Jack H. Noble, PhD*
   *Rene H. Gifford, PhD*
   *Alejandro Rivas, MD*
   *Mary S. Dietrich, PhD*
   *Alex D. Sweeney, MD*
   *Zhang Dongqing, MS*
   *Benoit M. Dawant, PhD*
   *Robert F. Labadie, MD, PhD*

2:13 **Results of Post-Operative, CT-Based, Electrode Deactivation on Hearing in Pre-Lingually Deafened Adult Cochlear Implant (CI) Recipients**
   *Robert F. Labadie, MD, PhD*
   *Jack H. Noble, PhD*
   *Andrea Hedley William, AuD*
   *Linsey Sunderhaus, AuD*
   *Benoit Dawant, PhD*
   *Rene H. Gifford, PhD*

2:21 **Variability of the Mental Representation of the Cochlear Anatomy during Cochlear Implantation**
   *Renato Torres, MD*
   *Guillaume Kazmitcheff, PhD*
   *Evelyne Ferrary, MD, PhD*
2:29 Cognitive and Neurobehavioral Consequences of Otic Capsule Defects
P. Ashley Wackym, MD
Heather T. Mackay, PsyD
Stuart D. Gardiner, PhD
Carey Balaban, PhD

2:37 DISCUSSION

2:45 BREAK WITH EXHIBITORS

3:15 High Frequency Hearing Loss after Stapedectomy
Michael W. Sim, MD
Gregory Mannarelli, AuD
Hussam K. El-Kashlan, MD
Steve A. Telian, MD
H. Alexander Arts, MD

3:23 Ossiculoplasty with Titanium Prostheses in Patients with Intact Stapes:
Comparison of TORP vs. PORP
Andrew B. Baker, BS
Brendan P. O’Connell, MD
Shaun A. Nguyen, MD, MA
Paul R. Lambert, MD

3:31 Objective Measurements of Ossicular Chain Mobility Using the PalpEar®
Instrument Intraoperatively
Thomas E. Linder, MD
Esther Troxler, MD
Gabriel Volcan, MD

3:39 Improved Anatomic Visualization of the Middle Ear Using Endoscopes
Marc L. Bennett, MD
Dongqing Zhang
Robert F. Labadie, MD, PhD
Alejandro Rivas, MD
Jack H. Noble, PhD

3:47 Tympanic Neurectomy for Intractable Otalgia
Daniel S. Roberts, MD, PhD
Alisa Yamasaki, BA
Ahmad Sedaghat MD, PhD
Edward Reardon, MD

3:55 Magnetic Resonance Imaging with Cochlear Implant Magnet in Place:
Safety and Imaging Quality
Matthew L. Carlson, MD
Brian A. Neff, MD
Michael J. Link, MD
4:03 Diagnostic Accuracy of Diffusion-Weighted MR Imaging versus Delayed Gadolinium Enhanced T1-Weighted Imaging in Middle Ear Recurrent Cholesteatoma: A Retrospective Study of 39 Patients
Rémi Marianowski, MD, PhD
Adèle Pennanéach, MD
Marc Garettier, MD
Michel Ollivier, MD
Jean Ognard, MD
Philippe Mériot, MD

4:11 DISCUSSION

4:15 PANEL – “Issues in Imaging”
Hugh D. Curtin, MD – Moderator
Jennifer R. Melcher, PhD

5:00 ADJOURNMENT

6:30 AOS PRESIDENT'S RECESSION AND DINNER/DANCE (Members and Invited Guests Only)
Sunday, April 26, 2015

7:00 Business Meeting
(Members Only)

7:30 Scientific Program
(Open to registered Members and Non-members – Badge required for admittance)

7:30 Remarks by the President
D. Bradley Welling, MD, PhD

7:35 Provider and Patient Drivers of Ototopical Antibiotic Prescription Variability
Matthew G. Crowson, MD
Kristine Shulz, DrPH(c),MPH
Debara L. Tucci, MD, MS, MBA

7:43 Malignant Otitis Externa: A Novel Stratification Protocol for Predicting Treatment Outcomes
Shawn M. Stevens, MD
Paul R. Lambert, MD
Shaun A. Nguyen, MD
Ted A. Meyer, MD, PhD

7:51 Effects of Skin Thickness on Cochlear Input Signal using Transcutaneous Bone Conduction Implants
Jameson K. Mattingly, MD
7:59  **Tinnitus Management in Patients with Percutaneous Ossteointegrated Auditory Implants for Single Sided Deafness**  
Yula A. Indeyeva, MD  
Adrian Díaz, BS  
Terence E. Imbery, MD  
Daniel H. Coelho, MD

8:07  **Customized vs. Non-Customized Sound Therapy for Treatment of Tinnitus: A Randomized Crossover Clinical Trial**  
Hossein Mahboubi, MD, MPH  
Saman Kiumehr, MD  
Kasra Ziai, MD  
Kanwar Kelley, MD  
Hamid R. Djalilian, MD

8:15  **Pediatric Semicircular Canal Dehiscence and Temporal Bone Development**  
Duncan A. Meiklejohn, MD  
C. Eduardo Corrales, MD  
Nikolas H. Blevins, MD

8:23  **DISCUSSION**

8:30  **BASIC SCIENCE LECTURE**  
“Hidden Hearing Loss: Permanent Cochlear Nerve Loss after Temporary Noise-Induced Threshold Shift”  
M. Charles Liberman, PhD

9:00  **Using Biomarkers to Evaluate the Association between BPPV and Osteoporosis**  
Daniel Sacks, MD  
Catherine Bixby, MS  
Pamela Fall, MS  
Kourosh Parham, MD, PhD

9:08  **Increasing cVEMP Stimulation Rate Reduces Test Time and Patient Effort with Only Minor Changes in Test Results**  
Mark J. van Tilburg, MD  
Barbara S. Herrmann, PhD  
John Guinan Jr., PhD  
Steven D. Rauch, MD

9:16  **Dexamethasone Protects Against Apoptotic Cell Death of Cisplatin-exposed Auditory Hair Cells In Vitro**  
Christine T. Dinh, MD  
Si Chen, MD  
John N. Dinh, BS
9:24 **Dose Effect of Intratympanic Dexamethasone for Idiopathic Sudden Sensorineural Hearing Loss: 24 mg/mL Is Superior to 10 mg/mL**
*Thomas H. Alexander, MD, MHSCE*

9:32 **Progressive Nonsyndromic Hearing Loss Associated with Mutation of the NLRP3 Gene and Alteration of Innate Immunity**
*Hiroshi Nakanishi, MD, PhD*  
*Yoshiyuki Kawashima, MD, PhD*  
*Kiyoto Kurima, PhD*  
*Julie Muskett, MS*  
*Carmen C. Brewer, PhD*  
*Andrew J. Griffith, PhD*

9:40 **DISCUSSION**

9:45 **INTERMISSION**

10:07 **Abnormal Rhomboid Lip in Children with Cochlear Nerve Deficiency Fitted with Auditory Brainstem Implantation**
*Liliana Colletti, PhD*  
*Marco Mandalà, MD, PhD*  
*Giacomo Colletti, MD*  
*Vittorio Colletti, MD*

10:15 **The Studying Multiple Outcomes after Aural Rehabilitative Treatment (SMART) Study: Study Design and Baseline Results**
*Lingsheng Li, MHS*  
*Yoon Sung, MHS*  
*Barnett Shpritz, MA*  
*David Chen, MD*  
*Dane Genther, MD*  
*Josh Betz, MS*  
*Frank R. Lin, MD, PhD*

10:23 **Cost Effectiveness of Genetic Diagnosis and Telemedicine to Provide Cochlear Implantation to Children within Medically Underserved Plain Populations**
*Kevin A. Strauss, MD*  
*Robert O’Reilly, MD*  
*Thierry Morlet, PhD*  
*Yell Inverso, AuD, PhD*  
*Liesl Looney, AuD*  
*Christopher J. Goff, MD*  
*Erin Field, PAC*

10:31 **GDP Matters: Cost Effectiveness of Cochlear Implantation and Deaf Education in Sub-Saharan Africa**
*Susan D. Emmett, MD*
10:39 Patterns of Long-term Hearing Loss in Hearing Preservation Cochlear Implant Surgery
Kavita Dedhia, MD
Tina Worman, MS
Margaret A. Meredith, AuD, CCC-A
Jay T. Rubinstein, MD, PhD

10:47 Heparin Binding Epidermal Growth Factor Like Growth Factor Heals Chronic Tympanic Membrane Perforations with Advantage of Fibroblast Growth Factor 2 and Epidermal Growth Factor in an Animal Model
Peter L. Santa Maria, MBBS, PhD
Kendall Weierich
Sungwoo Kim, PhD
Yunzhi P. Yang, PhD

10:55 Regenerative Treatment for the Tympanic Membrane Perforation with Cholesteatoma, Tumor, and Sever Calcification
Shin-ichi Kanemaru, MD, PhD
Rie Kanai, MD, PhD
Misaki Yamamoto, MD, PhD
Masaru Yamashita, MD, PhD

11:03 DISCUSSION

11:10 PANEL – “Hurdles to Gene Therapy”
Lawrence R. Lustig, MD – Moderator
Lloyd B. Klickstein, MD, PhD
Eric A. Pierce, MD, PhD
Hinrich Staehler, MD, PhD
Rachel Witten, MD

12:00 INTRODUCTION OF INCOMING AOS PRESIDENT
Debara L. Tucci, MD, MS, MBA

12:05 CLOSING REMARKS/ADJOURNMENT