FRIDAY, MAY 3, 2019

1:00  BUSINESS MEETING (New member introduction)  
      (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  
      Barry E. Hirsch, MD

PRESIDENTIAL CITATIONS  
      Eugene N. Myers, MD  
      Jonas T. Johnson, MD  
      Donald B. Kamerer, MD

1:42  WILLIAM F. HOUSE MEMORIAL LECTURE  
      Cortical Predictors of Language: A Top-down Exploration of Pediatric Cochlear Implantation  
      Nancy M. Young, MD  
      Lillian S. Wells Professor of Pediatric Otolaryngology  
      Northwestern University Feinberg School of Medicine  
      Head, Section of Otolaryngology & Neurotology, Division of Otolaryngology  
      Ann & Robert H. Lurie Children’s Hospital of Chicago

2:07  INTRODUCTION - OUTCOMES IN COCHLEAR IMPLANTATION

2:09  Five Years of Electric-Acoustic Stimulation (EAS) Listening Experience: Hearing Preservation and Benefits of Acoustic Representation of the Fundamental Frequency  
      Elizabeth Perkins, MD  
      Margaret Dillon, AuD  
      Kevin Brown, MD, PhD

2:16  General Health Quality of Life Instruments Underestimate the Impact of Bilateral Cochlear Implantation  
      Theodore R. McRackan, MD, MSCR  
      Joshua E. Fabie, BS  
      Prashant N. Bhenswala, MD  
      Shaun A. Nguyen, MD  
      Judy R. Dubno, PhD

2:23  Slim Perimodiolar Arrays are as Effective as Slim Lateral Wall Arrays for Functional Hearing Preservation after Cochlear Implantation  
      Erika A. Woodson, MD  
      Rebecca Nelson, MD  
      Thomas J. Haberkamp, MD  
      Sarah Sydlowski, AuD, PhD

2:30  Predicting Changes in Tinnitus after Unilateral Cochlear Implantation in Adults  
      Peter R. Dixon, MD  
      David Shipp, MA  
      Kari Smilsky, MCLSc
2:37  Cognitive Functions in Adults Receiving Cochlear Implants: Predictors of Speech Recognition Outcomes and Changes after Implantation
Aaron C. Moberly, MD
Michael S. Harris, MD
David B. Pisoni, PhD
William G. Kronenberger, PhD
Christin Ray, PhD, CCC-SLP

2:44  DISCUSSION

2:47  BREAK WITH EXHIBITORS

3:15  INTRODUCTION -VESTIBULAR SCHWANNOMA - IN VIVO AND IN VITRO

3:17  Preclinical Evaluation of Compounds Targeting Schwannoma in an NF2 Mouse Model
Charles W. Yates, MD, MS
Waylan Bessler, BS
Li Jiang, MD
Abbie Smith, BS
D. Wade Clapp, MD

3:24  Vestibular Schwannoma Tumor Size is Correlated with Acute Vestibular Symptoms after Gamma Knife Therapy
Daniel Y. Lee, BS
David K. Lerner, MD
James G. Naples, MD
Jason A. Brant, MD
Douglas C. Bigelow, MD
John Y.K. Lee, MD, MSCE
Michelle Alonso-Basanta, MD, PhD
Michael J. Ruckenstein, MD, MSc

3:31  NEUROTOLOGY FELLOW AWARD
What Genes Can Tell: A Closer Look at Vestibular Schwannoma
Ksenia A. Aaron, MD
Zarko Manojlovic, PhD
Sharon Chang, BS
Eric Kwok, BS
Nathan Tu, MD, MPH
Kyle Hurth, MD, PhD
Rick A. Friedman, MD, PhD

Erin R. Cohen, MD
Brian Marples, PhD
Nagy Elsayyad, MD
Michael Ivan, MD
Cristina Fernandez-Valle, PhD
Fred F. Telischi, MD
Christine T. Dinh, MD

3:45  DISCUSSION/INTRODUCTION
ANS RESEARCH GRANT
Verbal Memory as Outcome Predictor in Adults Receiving Cochlear Implants
Michael S. Harris, MD
Medical College of Wisconsin
ANS Research Grant recipient 2017-18

4:00 INTRODUCTION

4:02 PANEL
Meniere’s Disease: What Do We Know and What Don’t We Know?
Anil Lalwani, MD, Moderator

5:00 ANNOUNCEMENT OF ANS & AOS POSTER WINNERS
Craig A. Buchman, MD - ANS Education Director
Marlan R. Hansen, MD - AOS Education Director

5:05 CLOSING REMARKS/ADJOURNMENT

SATURDAY, MAY 4, 2019

7:00 BUSINESS MEETING (Committee Reports)
(Members Only)

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

7:30 WELCOME & OPENING REMARKS BY THE PRESIDENT
Barry E. Hirsch, MD

7:33 INTRODUCTION - INNER EAR PHYSIOLOGY

7:35 The Role of The Spiral Ligament in Sensorineural Hearing Loss in Humans:
A Temporal Bone Study
Karen B. Teufert, MD
Fred H. Linthicum Jr., MD

7:42 Anatomical and Functional Consequences of Microneedle Perforation of Round Window Membrane
Michelle Yu, BS
Daniel N. Arteaga, BA
Aykut Aksit, MS
Harry Chiang, BA
Jeffrey W. Kysar, PhD
Anil K. Lalwani, MD

7:49 TRAINEE AWARD
Neurotrophin Signaling in Various Degrees of Hearing Loss using MicroRNA Perilymph Profiling
Matthew Shew, MD
Helena Wichova, MD
Jacob New, PhD
Athanasia Warnecke, MD
Thomas Lenarz, MD, PhD
Hinrich Staecker, MD, PhD

7:56 NEUROTOLOGY FELLOW AWARD
Intratympanic Diltiazem-Chitosan Hydrogel as a Novel Otoprotectant Against Cisplatin-Induced Ototoxicity in a Mouse Model
James G. Naples, MD
Michael J. Ruckenstein, MD
8:03 Neuroprotection of NIR Light in An Animal Model of Cochlear Implantation
Arne Ernst, MD, PhD
Dietmar Basta, PhD

8:10 DISCUSSION/INTRODUCTION

8:15 ANS/AAO-HNSF HERBERT SILVERSTEIN RESEARCH AWARD
Novel Neurotrophin-Bisphosphonate Conjugates to Promote Cochlear Synaptogenesis
David H. Jung, MD, PhD
Massachusetts Eye and Ear Infirmary/Harvard Medical School
Silverstein Grant recipient 2016-18

8:25 INTRODUCTION - COI, ACTIVE BONE CONDUCTION, COCHLEAR IMPLANT INTERVENTIONS

8:27 Evaluating the Industry Relationships of Physicians Presenting at the American Neurotology Society Spring Meetings
Milap H. Desai, BS
Darshak M. Vekaria BS
Brian J. McKinnon, MD, MBA, MPH

8:34 Active Bone Conduction Implants Improve Patient Reported Outcomes Measures – A 12-Month Prospective Study
Matthew G. Crowson, MD
Euna A. Hwang, MD
Julija Adamonis, M.Sc. Reg. CASLPO
Trung Le, MD, PhD
Vincent Lin, MD
Joseph Chen, MD

8:41 Subclinical Age-Related Hearing Loss is Associated with Cognitive Impairment
Justin S. Golub, MD, MS
Adam M. Brickman, PhD
Adam J. Ciarleglio, PhD
Nicole Schupf, PhD
José A. Luchsinger, MD, MPH

8:48 Impact of Auditory-Motor Musical Training on Melodic Pattern Recognition in Cochlear Implant Users
Divya A. Chari, MD
Anirrudh Patel, PhD
Karen C. Barrett, PhD
Lauren Jacobs, BS
Patpong Jiradejvong, MS
Charles J. Limb, MD

8:55 The Use of Artificial Intelligence in Cochlear Implant Programming
Susan B. Waltzman, PhD
David C. Kelsall, MD

9:02 Intracochlear Pressure Transients During Cochlear Implant Electrode Insertion: Effect of Micro-mechanical Control on Limiting Pressure Trauma
Renee M. Banakis Hartl, MD, AuD
Christopher Kaufmann, MD, MS
Marlan R. Hansen, MD
Daniel J. Tollin, PhD
9:09 Electrocochleographic Patterns in Patients with Sudden Sensorineural Hearing Loss Undergoing Cochlear Implantation
Michael S. Harris, MD
William J. Riggs, AuD
Kristin Kozloski, AuD
Oliver F. Adunka, MD

9:16 DISCUSSION

9:19 WILLIAM E. HITSELBERGER MEMORIAL LECTURE
Evolution of the Middle Fossa Access for Skull Base Disorders
Bruce J. Gantz, MD
Head, Department of Otolaryngology - Head and Neck Surgery
Brian F. McCabe Distinguished Chair in Otolaryngology - Head and Neck Surgery
Professor of Otolaryngology & Neurosurgery, University of Iowa

9:45 BREAK WITH EXHIBITORS

10:15 INTRODUCTION - FACIAL NERVE, VESTIBULAR SCHWANNOMMA INVESTIGATIONS

10:17 Transgenic Mouse Model for Facial Nerve Synkinesis
Mostafa Ahmed, MD
Alex Deich, BS
Grace Balfour, BS
Ark Lorin, MD
Greg Kelts, MD
Richard Williams, DMD, PhD

10:24 Post Traumatic Complete Facial Palsy: Comparative Analysis of Outcomes of Conservative Management vs Surgical Exploration: A University Hospital Study and Review of Literature
Diptarka Bhattacharyya, MD
Pravin Rajgadkar, MD

10:31 Association between Metformin Usage and Tumor Growth Rate in Vestibular Schwannoma Patients
Austin Y. Feng, MD
Ali Kouhi, MD
Alejandro Enriquez-Muralanda, MD
Justin M. Moore, MD, PhD
Yona Vaisbuch, MD

10:38 Delayed Tumor Growth in Vestibular Schwannoma: An Argument for Lifelong Surveillance
Robert J. Macielak, MD
Neil S. Patel, MD
Katherine A. Lees, MD
Nicole M. Tombers, RN, CCRP
John P. Marinelli, BS
Matthew L. Carlson, MD

10:45 Rate of Initial Hearing Loss Predicts Risk of Non-Serviceable Hearing among Observed Sporadic Vestibular Schwannoma
Matthew L. Carlson MD
Eric M. Dowling, MD
Christine M. Lohse, MS
Brendan P. O'Connell, MD
Katherine A. Lees MD
David S. Haynes, MD
Jacob B. Hunter, MD
Factors Associated with Cranial Neuropathy following Gamma Knife for Vestibular Schwannoma
David K. Lerner, MD
Daniel Y. Lee, BA
James G. Naples, MD
Jason A. Brant, MD
Douglas C. Bigelow, MD
Michelle Alonso-Basanta, MD, PhD
Michael J. Ruckenstein, MD

DISCUSSION/INTRODUCTION

11:05  PANEL
Disorders of Intracranial Pressure
David S. Haynes, MD, MBA, Moderator

12:00  INTRODUCTION OF INCOMING PRESIDENT
Nikolas H. Blevins, MD

12:05  CLOSING REMARKS/ADJOURNMENT