



AMERICAN NEUROTOLOGY SOCIETY

60th Annual Spring Meeting

SCIENTIFIC PROGRAM

May 16-17, 2025

New Orleans, LA

(ANS Posters will be displayed on Friday & Saturday)

FRIDAY MAY 16, 2025

- 1:00 **BUSINESS MEETING** (*Treasurers report/New Member Induction*)
Members Only
- 1:30 **SCIENTIFIC SESSION**
OPENING REMARKS BY THE PRESIDENT - *J. Thomas Roland, Jr., MD*
(Open to registered Members and Non-members – Badge required for admittance)
- 1:32 **PRESIDENTIAL CITATIONS**
Ronen Perez, MD
Christopher Ndoleriire, MBCHB, MMED ENT
William H. Shapiro, AuD
Jay T. Rubinstein, MD, PhD
- 1:42 **6th ANNUAL NOEL L. COHEN AWARD FOR SIGNIFICANT CONTRIBUTIONS TO
OTOLOGY AND NEUROTOLOGY**
Presented by J. Thomas Roland, Jr., MD, President
- 1:47 **INTRODUCTION OF WILLIAM F. HOUSE MEMORIAL LECTURE**
J. Thomas Roland, Jr., MD
- 1:48 **WILLIAM F. HOUSE MEMORIAL LECTURE**
From Apps to Apex: Three Paths to Better Frequency Mapping in CI Users
Mario Svirsky, PhD
Noel L. Cohen Professor of Hearing Science
Department of Otolaryngology-Head and Neck Surgery
Professor, Department of Neuroscience and Physiology
NYU Langone Medical Center and NYU Grossman School of Medicine
New York, NY
- 2:18 **SESSION A - ADVANCES IN SKULL BASE TUMOR MANAGEMENT**
Alicia Quesnel, MD, Moderator

- 2:19 **Evaluating Functional Hearing Outcomes and Associated Predictors after Resection of Cerebellopontine Angle Meningioma**
Khalil Baddour, MD
Vanessa Helou, MD
Parthasarathy D. Thirumala, MD
Philip L. Perez, MD
- 2:25 **Proteomic Analysis Identifies Novel Plasma Biomarkers in Patients with Vestibular Schwannoma**
Yin Ren, MD, PhD
Han TN Nguyen, PhD
Hsuan-Chih Kuo, MS
Giorgia Giordano, BS
Sasa Vasilijic, PhD
Towia Libermann, PhD
Konstantina Stankovic, MD, PhD
- 2:31 **HERBERT SILVERSTEIN AWARD FOR RESEARCH EXCELLENCE IN OTOLOGY/NEUROTOLOGY**
Whole Genome Sequencing of Sporadic Vestibular Schwannoma Identifies Novel Molecular Pathways
Benjamin T. Ostrander, MD, MSE
Olivia La Monte, MD
Vivienne Li, BA
Vivian Vo, BS
Marc S. Schwartz, MD
Rick A. Friedman, MD, PhD
- 2:37 **ANS TRAINEE AWARD**
Automated Segmentation of Bilateral Vestibular Schwannoma
Krish Suresh, MD
Ryan Weiss, MS
Daniel J. Lee, MD
D. Bradley Welling, MD, PhD
Yin Wu, PhD
Matthew G. Crowson, MD, MPA, MASc
- 2:43 **Comparing Cochlear Implantation With vs. Without Resection in Intralabyrinthine Schwannoma: A Systematic Review and Meta-Analysis**
Brendon K. Warner, MD
Lawrence Lee, MD
Nauman F. Manzoor, MD
- 2:49 **NEUROTOLOGY FELLOW AWARD**
Radiosurgery for Sporadic Facial Nerve Schwannomas: An International Multi-Institutional Study
John P. Marinelli, MD
Justin Cottrell, MD
Eric E. Babajanian, MD
Simon K.W. Lloyd, BSc (Hons), MPhil
Jason P. Sheehan, MD

J. Walter Kutz, Jr., MD
Matthew L. Carlson, MD

2:55 DISCUSSION/Q&A with MODERATOR

3:02 BREAK WITH EXHIBITORS

3:32 ANNOUNCEMENT OF POSTER WINNERS (ANS & AOS)

Yuri Agrawal, MD, MPH – ANS Education Director

Nancy M. Young, MD – AOS Education Director & President-Elect

3:34 ANS GUIDELINE DEVELOPMENT UPDATE

Richard K. Gurgel, MD, MSCI

Seth R. Schwartz, MD, MPH

3:43 SESSION B - NEW WINDOWS INTO THE VESTIBULAR SYSTEM

Mallory J. Raymond, MD, Moderator

3:44 Evaluating for Endolymphatic Hydrops in Meniere's Disease Using In-Vivo 7 Tesla Magnetic Resonance Imaging and Advanced Post-Processing Techniques

Syed Ameen Ahmad, BS

Joon Soo Kim, BS

Diane Jung, MD

Adrian Paez, BS

John P. Carey, MD

Jun Hua, PhD

Bryan K. Ward, MD

3:50 Risk Factors Associated with Superior Semicircular Canal Dehiscence: A National Database Study

Prithwijit Roychowdhury, MD

Miriam R. Smetak, MD, MSc

Matthew Shew, MD

Jacques A. Herzog, MD

Craig A. Buchman, MD

Nedim Durakovic, MD

3:56 Changes in the Neurovascular Unit in Meniere's Disease

Steven D. Curry, MD

Ivan A. Lopez, PhD

Gail Ishiyama, MD

Akira Ishiyama, MD

4:02 NICHOLAS TOROK VESTIBULAR AWARD

Clinical Vestibular Function in Children with and without Sensorineural Hearing Loss

Graham D. Cochrane, MD, PhD

Emily Buss, PhD

Carlton Zdanski, MD

4:08 DISCUSSION/Q&A WITH MODERATOR

4:13 **INTRODUCTION of PANEL** - *J. Thomas Roland, Jr., MD*

4:14 **PANEL**
MANAGEMENT OF FACIAL PARALYSIS FOLLOWING TEMPORAL BONE TRAUMA
Oliver F. Adunka, MD, Moderator
Bruce J. Gantz, MD
Daniel H. Coelho, MD
Erika A. Woodson, MD
Christine T. Dinh, MD

5:04 **CLOSING REMARKS** – *J. Thomas Roland, Jr., MD*

5:06 **ADJOURN**

SATURDAY MAY 17, 2025

7:00 **BUSINESS MEETING/COMMITTEE REPORTS**
(All welcome)

7:30 **SCIENTIFIC SESSION**
OPENING REMARKS BY THE PRESIDENT – *J. Thomas Roland, Jr., MD*
(Open to registered Members and Non-members – Badge required for admittance)

MICHAEL E. GLASSCOCK SCIENTIFIC MERIT AWARD
Introduction by David S. Haynes, MD, MMHC
Awarded to Hannah N. W. Weinstein, BA

7:33 **SESSION C - NEW INSIGHTS INTO HEARING LOSS**
Mark Bassim, MD, Moderator

7:34 **Otic Capsule Demineralization and Hearing Outcomes of Stapes Surgery for Otosclerosis**
Akira Kimura, MD
Chihiro Yagi, MD, PhD
Yuka Morita, MD, PhD
Tatsuya Yamagishi, MD, PhD
Shinsuke Ohshima, MD, PhD
Shuji Izumi, MD, PhD
Arata Horii, MD, PhD

7:40 **Pseudomembranes and Tissue Plugs in the Round Window Niche: Implications for Inner Ear Drug Delivery**
Nicole Kim, BA
Liliya Benchetrit, MD
Anbuselvan Dharmarajan, MD, MPH
Alicia M. Quesnel, MD

7:46 **Are Jak Inhibitors Contributing to Ototoxicity? Investigating Their Role in Aminoglycoside-Induced Damage**

Jonathan Fleegel
Marisa Zallocchi, PhD

7:52 Computer Vision-Based Extraction of Structured Data from Scanned Audiograms in the Electronic Health Record

Peter R. Dixon, MD, MSc
Ruoyu Yang, PhD
Dana Mae Salvador, BSc
Carl Ehrett, PhD

7:58 MICHAEL E. GLASSCOCK SCIENTIFIC MERIT AWARD

Conductive Hearing Loss is Associated with Dementia in the All of Us Research Program

Hannah N. W. Weinstein, BA
Lauren H. Tucker, BA
Michael W. Denham, MD, MS, MPhil
Richard K. Gurgel, MD, MSCI
Justin S. Golub, MD, MS

8:04 DISCUSSION/Q&A WITH MODERATOR

8:10 INTRODUCTION OF WILLIAM E. HITSELBERGER MEMORIAL LECTURE

J. Thomas Roland, Jr., MD

8:11 WILLIAM E. HITSELBERGER MEMORIAL LECTURE

The Truth About Neurosurgery or Every Dogma Has Its Day

John G. Golfinos, MD
Joseph P. Ransohoff Professor and Gray Family Chairman
Department of Neurosurgery
Neurosurgeon-in-Chief
NYU Langone Medical Center and NYU Grossman School of Medicine
New York, NY

8:36 SESSION D - CHALLENGES IN MANAGING INTRACRANIAL CSF AND VASCULAR DISORDERS

Nicholas Deep, MD, Moderator

8:37 Safety of Middle Cranial Fossa Repair of Spontaneous Cerebrospinal Fluid Leaks in Superobese Patients

Hunter L. Elms, MD
Douglas J. Totten, MD
Evan C. Cumpston, MD
Charles W. Yates, MD
Rick F. Nelson, MD, PhD

8:43 A Systematic Review and Meta-Analysis of Meningitis Risk Reduction after Repair of Spontaneous Lateral Skull Base Cerebrospinal Fluid Leaks

Khadija Khan, BA
Prishae Wilson, BS
Mayuri S. Patel, BSc
Estephania Candelo Gomez, MD, MSc

Zhen Wang, PhD
Tara Brigham, MLIS, AHIP-D
Mallory J. Raymond, MD

8:49 Intracranial Dural Arteriovenous Fistula Can Mimic Sigmoid Sinus Wall Anomalies Induced Pulsatile Tinnitus: Caution before Considering It's Venous

Yue-Lin Hsieh, MD, PhD
Xu Liu, MD
Wuqing Wang, MD, PhD

8:55 Risk Factors and Developmental Patterns of Spontaneous New Encephaloceles following Initial Repair

Keshav V. Shah, BS
Kevin Wong, MD
Timothy Shim, MD
Tiffany P. Hwa, MD
Douglas C. Bigelow, MD
Michael J. Ruckenstein, MD

9:01 DISCUSSION/Q&A WITH MODERATOR

9:06 INTRODUCTION of PANEL – J. Thomas Roland, Jr., MD

9:07 PANEL
COMPLICATIONS IN NEUROTOLOGIC SURGERY: MANAGEMENT CONSIDERATIONS

Jacques A. Herzog, MD, Moderator
John G. Golfinos, MD
Tina C. Huang, MD
Jay T. Rubinstein, MD, PhD
Alejandro Rivas, MD

9:52 BREAK WITH EXHIBITORS

10:22 SESSION E - CUTTING EDGE IN COCHLEAR IMPLANTS

Daniel Jethanamest, MD, Moderator

10:23 Factors Associated with Cochlear Implant Utilization in Adults with Single-Sided Deafness

Matthew J. Wu, MD
Amit Walia, MD, MSCI
Shubhanjali Minhas, BA
Jill Firszt, PhD
Jacques A. Herzog, MD
Craig A. Buchman, MD
Matthew A. Shew, MD

10:29 NEUROTOLOGY FELLOW AWARD

Factors Associated with Delayed Loss of Residual Acoustic Hearing following Cochlear Implantation

Michael W. Canfarotta, MD

Ankita Patro, MD, MS
Natalie Schauwecker, MD
Connie Ma, MD
Aaron C. Moberly, MD
Jourdan T. Holder, AuD, PhD
Elizabeth L. Perkins, MD

10:35 Perimodiolar Electrode Locations Outperform Lateral Wall Arrays When Controlling for Cochlear Health and Speech Processing Strategy

Amit Walia, MD, MSCI
Matthew A. Shew, MD
Amanda Ortmann, PhD
Matthew Wu, MD
Shannon Lefler, AuD
Jacques A. Herzog, MD
Craig A. Buchman, MD

10:41 One or Two Cochlear Implants? A Comparison of Bimodal Hearing Versus Bilateral Cochlear Implantation in a Large Cohort of Traditional Candidates

Ankita Patro, MD, MS
Michael W. Canfarotta, MD
Natalie Schauwecker, MD
Elizabeth L. Perkins, MD
David S. Haynes, MD, MMHC
René H. Gifford, PhD
Aaron C. Moberly, MD

10:47 Evaluating the Impact of Cochlear Implantation on Cognitive Outcomes in Older Adults: a 5-year Follow-up

Samira Takkoush, MD
Kevin Duff, PhD
Norman L. Foster, MD
Neil S. Patel, MD
Richard K. Gurgel, MD, MSCI

10:53 Tone Adaptation Among Cochlear Implant Candidates to Inform Hearing Preservation during Awake Cochlear Implantation

Karl R. Khandalavala, MD
Jill M. Gruenwald, AuD
Sarah E. Ostlie, AuD
Ashlee P. Kirtz
Christine M. Lohse, MS
Matthew L. Carlson, MD

10:59 DISCUSSION/Q&A WITH MODERATOR

11:05 INTRODUCTION of PANEL – J. Thomas Roland, Jr., MD

11:06 **PANEL**
MANAGEMENT OF COMPLEX VERTIGO

Meredith E. Adams, MD, Moderator

Michael E. Hoffer, MD

Akira Ishiyama, MD

John P. Carey, MD

Edward I. Cho MD

11:51 **INTRODUCTION OF INCOMING PRESIDENT**

Colin L.W. Driscoll, MD

11:54 **CLOSING REMARKS** – *J. Thomas Roland, Jr., MD*

11:56 **ADJOURN**