



AMERICAN NEUROTOLOGY SOCIETY

“FAB FRIDAY”

Study Group Programs

Fontainebleau Miami Beach

Glimmer Ballroom/Terrace - Versailles Tower - Level 4

Miami Beach, FL

Friday, September 27, 2024

7:00 AM – 8:00 AM – VESTIBULAR STUDY GROUP

Gerard J. Gianoli, MD and Brian Perry, MD – Coordinators

CASE PRESENTATIONS AND DISCUSSION (5 MIN EACH)

Post-traumatic Meniere’s Disease and Superior Canal BPPV

Alexandra Arambula, MD

A Case of Persistent Anterior Canal Benign Paroxysmal Positional Vertigo Despite Repositioning Techniques

Lisa Zhang, MD

Is It Really Cupulolithiasis?

Olivia Kalmanson, MD, MSc

Horizontal Canal Benign Paroxysmal Positional Vertigo and Canalith Jam: VNG recordings with Spontaneous Otolith Release

Robin Pinto, AuD

Persistent Lateral Canal Ageotropic Nystagmus after Cochlear Implantation

Jordan Varghese, MD

BPPV and Posterior Canal Fibrosis

Caleb Fan, MD

Multiple Canal BPPV vs. Canal Conversion after Repositioning Maneuver: What Is the Best Treatment?

Julia Barkell, BS

A Challenging Case of Recurrent Benign Paroxysmal Positional Vertigo

Jack Birkenbeuel, MD

10-MINUTE BREAK

8:10 AM – 9:10 AM – FACIAL NERVE STUDY GROUP

Mia E. Miller, MD and Daniel Sun, MD – Coordinators

CASE PRESENTATIONS AND DISCUSSION

Management of Traumatic Facial Nerve Avulsion in a Pediatric Patient with Temporal Bone Fracture

Ahmad Abdelhadi, BS

Facial Twitching due to Surprising Genuiculate Ganglion Mass

Kaitlyn A. Brooks, MD

Facial Nerve Palsy Following Arterial Embolization with Ethylene Vinyl Alcohol

Sophia Uddin, MD, PhD

Treatment Considerations in Petrous Apex Cholesteatoma

Kelly Lee, BS

Facial Nerve Tumor Causing Severe Paresis in a Pediatric Patient

Catherine L. Kennedy, MD

Decompression for Delayed Facial Nerve Paralysis Following Temporal Bone Trauma

Aidan P. Wright, BS

Facial Nerve Paralysis: A Rare Complication of Gamma Knife Radiosurgery for Vestibular Schwannoma Treatment

Sindhura Sridhar, BS

10-MINUTE BREAK

9:20 AM - 10:20 AM – SKULL BASE TUMOR STUDY GROUP

Matthew L. Carlson, MD and Courtney C.J. Voelker, MD, PhD - Coordinators

9:20 AM - 9:40 AM

Endovascular Management of Pulse Synchronous Tinnitus

Waleed Brinjikji, MD

9:40 AM - 9:45 AM

Extradural Pneumocephalus Causing Pulsatile Tinnitus

Nicholas S. Andresen, MD

9:45 AM - 9:50 AM

Malignancy Following Primary Radiotherapy for Presumed Vestibular Schwannoma

Karl R. Khandalavala, MD

9:50 AM - 9:55 AM

Aspirin, Losartan, and Unbiased Discovery of Medications Associated with Improved Vestibular Schwannoma Outcomes – A Multi-National Database Study

Zachary D. Urdang, MD, PhD

9:55 AM - 10:00 AM

Hearing Status in Sporadic Vestibular Schwannoma is Associated with Differential Gene Expression

Benjamin T. Ostrander, MD, MSE

10:00 AM - 10:05 AM

Posterior Fossa and Temporal Bone Epidermoid

Emily Bacalao, MD

10:05 AM - 10:10 AM

Neurosarcoidosis Involving the Temporal Bone

Lawrance Lee, MD

10-MINUTE BREAK

10:30 AM – NOON – WILLIAM HOUSE STUDY GROUP

Maura K. Cosetti, MD and Marc L. Bennett, MD – Coordinators

10:30 AM - 11:30 AM CASE PRESENTATIONS

(6 min case presentation + 1-2 min questions)

Amyloid and Tau Proteins: Potential Perilymph Biomarkers for Cochlear Implant Performance?

Amit Walia, MD

When to Implant? Profound Bilateral Sensorineural Hearing Loss in Acute Myeloid Leukemia

Olivia A. Kalmanson, MD, MSc

Management of Retained Electrodes in Revision Cochlear Implant Surgery: A Case Report

Maxwell Bergman, MD

Disparities of Pediatric Cochlear Implant Outcome in Philoprogenitive Families

Idit Tessler, MD, MPH

Intensity-Based Tonotopic Mapping: A Promising New Standard in Cochlear Implant Programming

Amit Walia, MD

Benefit of Low-Frequency Hearing Preservation in an Older Adult with Unilateral Hearing Loss

Saangyoung E. Lee, MD

Delayed Wound Healing Secondary to Leflunomide Use after CI

Nathalie Sackey, BS

11:30 AM – NOON

AMERICAN COCHLEAR IMPLANT ALLIANCE (ACIA)

11:30 AM -11:35 AM

Andrea Warner-Czyz, PhD - Chairwoman of the Board of ACIA

11:35 AM - 11:45 AM

Karl White, PhD - Director of the National Center for Hearing Assessment and Management at Utah State University

11:48 AM - 11:55 AM

Donna Sorkin, MA - Executive Director, ACIA

11:55-NOON

FINAL QUESTIONS/DISCUSSION



AMERICAN NEUROTOLOGY SOCIETY

“FAB FRIDAY”

ANS Fall 2024 Scientific Program

Fontainebleau Hotel – Glimmer Ballroom 1-3

Miami Beach, FL

Friday, September 27, 2024

1:00 PM - WELCOME AND OPENING REMARKS

J. Thomas Roland Jr., MD - ANS President

1:05 PM - 1:35 PM - FRANKLIN M. RIZER MEMORIAL LECTURE

WORD OF MOUTH MARKETING: DOES IT MATTER?

Guodong Gao, PhD, MBA

Professor

Co-Director, Center for Digital Health and Artificial
Intelligence (CDHAI)

Johns Hopkins Carey Business School

1:37 PM - 2:27 PM - PANEL

ADVERTISING AND MARKETING STRATEGIES IN NEUROTOLOGY

Howard W. Francis, MD, MBA - Moderator

Guodong Gao, PhD, MBA

Joanna Palmer

Fred F. Telischi, MD

Jameson K. Mattingly, MD

Andrew Rubin, MHA

2:28 PM - 2:30 PM

INTRODUCTION - ANS RESEARCH GRANT PRESENTATION

Aaron K. Remenschneider, MD, MPH

ANS Research Committee Chair

**2:30 PM - 2:40 PM - “HearingDB.org: DEVELOPING AN OPEN DATABASE FOR HEARING DEVICES
AND A MATCHING SYSTEM”**

Janet S. Choi, MD, PhD

University of Southern California

ANS Research Grant recipient 2023

2:40 PM - 3:15 PM – MID-AFTERNOON BREAK

3:15 PM - 4:05 PM - PANEL

LEADERSHIP CONCEPTS AND ESSENTIALS IN NEUROTOLOGY

Michael Hoa, MD – Moderator

Selena E. Briggs, MD, PhD, MBA

Tina C. Huang, MD

Yuri Agrawal, MD

Bruce J. Gantz, MD

Seth Schwartz, MD, MPH

4:07 PM – 5:17 PM - PANEL

REVOLUTIONIZING NEUROTOLOGY: UNLEASHING BREAKTHROUGHS IN CLINICAL TRIALS

Konstantina M. Stankovic, MD, PhD – Moderator

Brian Lin, MD, MPH

Kristen K. Steenerson, MD

Berthold Langguth, MD

Andrea Vambutas, MD

Lindsay Scott Moore, MD

5:20 PM – CLOSING REMARKS/ADJOURN

J. Thomas Roland Jr., MD - ANS President

ACS PROGRAM REQUIREMENTS

1. Continuing Medical Education Credit Information

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of American College of Surgeons and American Neurotology Society. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™

The American College of Surgeons designates this live activity for a maximum of **8.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



2. Program Objectives

What are the practice or patient care problems being addressed by this activity?

Overall this activity addresses gaps in knowledge and practice that reflect evolving understanding and perspectives in the diagnosis and management of health conditions of the ear and skull base. The Study Groups provide a platform for shared learning through the presentation and open discussion of complex and rare cases. These sessions highlight the core principles of standard practice while challenging commonly held assumptions that create opportunities for further clarification or research. The scope of the gaps addressed by the following activities are indicated:

Vestibular Study Group – Heterogeneous clinical presentations of vestibular disorders, and risks and benefits of evolving management options.

Facial Nerve Study Group – Risk benefit assessment of various strategies (and timing) to address acquired disorders of the facial nerve in children and adults.

Skull Base Tumor Study Group – Long-term functional and tumor control outcomes, which influence treatment candidacy and patient counseling regarding appropriate expectations.

William House Cochlear Implant Study Group – With broadening candidacy criteria, cochlear implant has become a viable option for management of hearing loss in newer disease categories such as single sided deafness associated with acoustic neuroma removal. A growing experience by presenting clinicians will provide early and preliminary experience and results in similar new and complex clinical scenarios.

1. Rizer Lecture (20 mins + 10 Q&A): This activity will address the current state of healthcare marketing and advertising in this country and economic, programmatic and ethical considerations.

2. **Panel on Advertising in Neurotology (45 mins + 5 Q&A):** This activity will address the current state of advertising and marketing across multiple channels in Neurotology.
3. **Panel on Leadership Concepts and Essentials in Neurotology (45 mins + 5 Q&A):** This activity will address diverse perspectives on leadership of Departments and programs in Neurotology from emerging and established leaders.
4. **Panel on Update on Clinical Trials in Neurotology (55 mins + 5 Q&A):** This activity will address the involvement of Neurotologists and surgeons in clinical trials, focusing on the recent landmark gene therapy trials for genetic hearing loss. Panelists will discuss how surgeons can launch and participate in clinical trials from colleagues who gained this expertise in recent years.
5. **ANS research grant presentations (10 minutes + 5 Q&A):** ANS research grant presentations: In this activity a recipient of the 2023 ANS research grant will present their research findings on the topics of big data in hearing health.

Why do these issues exist? Is there a deficit in provider's knowledge or skill? Is there a deficit in health care system process or outcomes? Your response may include more than one or a combination of all.

In most cases, evolving knowledge, changing criteria and emerging technologies continue to expand options for patient management and improved outcomes, yet pose a continuous need for education. Furthermore, some entities are not common and require the coalescence of experience to emphasize core practice principles.

Research Findings/Evidence

- Patient Care
- Current Literature
- National Guidelines

Participant Feedback

- Needs Assessment Survey Results
- Previous CME Activity, Evaluation or Outcomes
- Trends in Healthcare
- Other

Expert Consensus

- Faculty Feedback
- Consensus of Expert

Regulatory Body Requirement

- State Licensure Requirement
- Board Requirement

How will this activity improve the learners' competence (knowledge in action), performance (skill set) and/or patient outcomes (impact of care)?

- **Competence:**

The educational program is designed to address the topics identified as practice gaps through individual presentations and in-depth panel discussions. The study groups will emphasize case-based learning and opportunity to demonstrate the application of core principles and new information to clinical decision making.

- **Performance:**

All activities will review established knowledge, present areas of controversy and define skills that require additional development within our field or in consultation with other disciplines. Means by which these skills can be acquired or improved will also be presented.

- **Patient Outcomes:**

The impact of clinical decision making, professionalism and health system structures on clinical outcomes will be presented and discussed with assistance of the moderators. Improvement in recognizing, diagnosing, and managing disorders of the inner ear.

How do you anticipate this activity improving health care systems?

Increased awareness of how public relations and marketing impact institutional reputation, market share and risk, and also how health systems can cultivate successful leaders, and build systems to support clinical trial participation.

If applicable, **how do you anticipate this activity impacting the health of patients and their communities?**

Improving the ability of Neurotologists to participate in state-of-the-art clinical trials has tremendous potential benefit on patients.

State the learning objectives for this activity (number can vary). Learning objectives begin with a verb and should complete this statement:

"At the conclusion of this activity, the learner should be able to..."

- 1. To evaluate and manage vestibular disorders based on a better understanding of the differential diagnosis and potential consequences of various treatment options**
- 2. To discuss and demonstrate core principles of facial nerve management in a variety of conditions that arise in pediatric and adult populations**
- 3. To illustrate and discuss through case presentations the range of indications, benefits and risks of microsurgery and radiosurgery in lateral skull base pathology cases**
- 4. To demonstrate and discuss the implementation of expanded CI candidacy in the clinical management of sensorineural hearing loss**
- 5. To draw from a broad experience of leadership in Neurotology across a range of practice settings and leadership experience.**
- 6. To discuss contemporary clinical trials in Neurotology and how surgeons can participate and operationalize these trials in their centers.**

7. To discuss the current state of healthcare advertising and marketing in the United States and implications for Neurotology clinical practice.

8. To discuss cutting edge biomedical research in Neurotology related to big data in hearing health care and middle ear mucosal immunity.

Select the educational format of the activity.

- Didactic Presentation
- Demonstration of Equipment/Techniques
- Hands-on Workshop
- Online Modules
- Flipped Classroom
- Team Training
- Panel Discussion
- Case Studies
- Simulation
- Self-Directed
- Question & Answer or Quiz Based
- Use of Standardized Patients

Explain why the selected educational format(s) is considered appropriate for the setting, objectives and desired results of this activity.

The combination of didactic presentations, panel discussions and case studies provide attendees with viewpoints from subject matter experts, and also provides a wide variety of clinical experiences from which to draw from. The panel discussions are very well-received by our attendees for their ability to engage and draw out different perspectives and highlight areas of controversy. This format has the best chance of addressing the identified practice gaps and effecting desired change in the attendee’s knowledge, skills and patient outcomes.

Indicate the desirable physician attributes this activity addresses.

ACGME/ABMS Competencies	Institute of Medicine Competencies	Inter-Professional Education Collaborative Competencies
<input checked="" type="checkbox"/> Medical Knowledge	<input type="checkbox"/> Provide Patient Centered Care	<input type="checkbox"/> Values/Ethics for Interprofessional Practice
<input checked="" type="checkbox"/> Patient Care and Procedural Skills	<input type="checkbox"/> Work In Interdisciplinary Teams	<input type="checkbox"/> Roles/Responsibilities

ACGME/ABMS Competencies	Institute of Medicine Competencies	Inter-Professional Education Collaborative Competencies
<input checked="" type="checkbox"/> Interpersonal and Communication Skills	<input type="checkbox"/> Employ Evidence-Based Practice	<input type="checkbox"/> Interprofessional Communication
<input checked="" type="checkbox"/> Professionalism	<input type="checkbox"/> Apply Quality Improvement	<input type="checkbox"/> Teams and Teamwork
<input checked="" type="checkbox"/> Practice-Based Learning and Improvement	<input type="checkbox"/> Utilize Informatics	
<input checked="" type="checkbox"/> Systems-Based Practice		

Will you be using any other professionals (in addition to physicians) in the planning and delivery of this activity? (e.g. nurses, physicians' assistants, therapists, pharmacists, etc)

Yes No

Disclosure Information

In accordance with the ACCME Accreditation Criteria, the American College of Surgeons must ensure that anyone in a position to control the content of the educational activity (planners and speakers/authors/discussants/moderators) has disclosed all financial relationships with any ineligible company held in the last 24 months. Please note that first authors were required to collect and submit disclosure information on behalf of all other authors/contributors, if applicable.

Please see the insert to this program for the complete disclosure list.

Commercial Promotion Acknowledgement

The American Neurotology Society wishes to recognize and thank the following companies for their commercial promotion towards this educational activity.

3NT Medical

Advanced Bionics

Akouos

Cochlear Americas

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Iota Motion

Med-El

Medtronic

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