

The Charleston Vestibular Conference: 2023 Update
Department of Otolaryngology - Head & Neck Surgery | Medical University of South Carolina

Agenda - Friday, November 3, 2023

MUSC Bioengineering Building, Room 110, 68 President Street, Charleston, SC 29425 | Also Live Streamed

At the end of each presentation, learner should be better able to achieve the respective objective stated.

- 7:30 - 7:55 a.m. Registration and Breakfast with Exhibitors
- 7:55 - 8 a.m. Opening RemarksHabib G. Rizk, M.D., MSc
- 8 - 9 a.m. Clinical Anatomy and Physiology of the Vestibular System Habib G. Rizk, M.D., MSc
1) interpret the anatomy and physiological principles explaining most clinical presentations;
2) detect site of lesion and physiopathologic process.
- 9 - 10 a.m. Crystal Clear BPPV Michael Teixido, M.D.
1) assess the anatomy of the vestibular labyrinth and its relationship to the head;
2) interpret eye movements created by otolith movement anywhere in the labyrinth;
3) evaluate otolith movements associated with diagnostic and therapeutic maneuvers for all forms of BPPV.
- 10 - 10:15 a.m. Break
- 10:15 - 12:15 p.m. Downbeat Nystagmus Associated with Atypical PC-BPPV – Differentiating Cupulolithiasis, Short Arm Canalithiasis, and Canal JamJanet Helminski, PT, Ph.D.
1) select and implement appropriate positional tests to differentially diagnosis PC-BPPV cupulolithiasis, short arm canalithiasis, or obstruction;
2) identify and interpret atypical patterns of benign paroxysmal positional nystagmus found on positional testing and during canalith repositioning maneuvers that suggest PC-BPPV cupulolithiasis, short arm canalithiasis, or obstruction;
3) implement a canalith repositioning maneuver for the treatment of atypical benign paroxysmal positional vertigo involving the posterior canal based on the anatomy and mechanics of the canal.
- 12:15 - 1:15 p.m. Lunch with exhibitors
- 1:15 - 2:45 p.m. Pediatric Vestibular Loss: The Need for Multi-Disciplinary Assessment Kristen Janky, AuD, Ph.D., CCC-A
1) outline causes of pediatric vestibular loss and dizziness;
2) recognize practitioner types needed for multi-disciplinary assessment of pediatric vestibular loss;
3) identify children who are candidates for vestibular testing
- 2:45 - 3 p.m. Break
- 3 - 4:30 p.m. Differentiating Vestibular Migraine from other Vestibular Disorders..... Michael Teixido, M.D.
1) interpret BPPV, Menieres Disease, Vestibular Neuronitis by time course;
2) evaluate the pathophysiology of migraine at the cortex, in the brainstem and in the labyrinth;
3) differentiate BPPV, Menieres Disease, Vestibular Neuronitis by symptom type.
- 4:30 - 5 p.m. Q&A Session
- 5 p.m. Adjourn. Thank you!

5 p.m. - 6:30 p.m. NETWORKING RECEPTION - MUSC DRUG DISCOVERY BUILDING

Agenda - Saturday, November 4, 2023

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7:30 - 8 a.m. Breakfast with Exhibitors

8 - 10 a.m. **Newborn Vestibular Screening and the Consequences of Pediatric Vestibular Loss**
..... Kristen Janky, AuD, Ph.D., CCC-A

- 1) propose a process of newborn vestibular screening;
- 2) outline consequences of vestibular loss in children;
- 3) illustrate areas of future research needed.

10 - 10:15 a.m. Break

10:15 - 12:15 p.m. **Potential Factors Associated with Uncompensated Unilateral Peripheral Vestibular Deficits – Intervention Technique or Ocular Alignment**Janet Helminski, PT, Ph.D.

- 1) evaluate the mechanisms of neuroplasticity following unilateral peripheral vestibular lesion;
- 2) use the “ideal exercises” to facilitate central adaptation of the vestibular ocular reflex in individuals with peripheral vestibular hypofunction considering contextual factors such as environmental and personal;
- 3) describe the neural pathway responsible for the ocular tilt reaction;
- 4) measure ocular alignment with the prism neutralized Maddox rod test and modified Thorington method using prism bars, double Maddox rod, and phoria cards to identify contextual factors that are personal.

12:15 - 12:30 p.m. **Q&A Session**

12:30 p.m. Adjourn - **ALL EXCEPT FOR REGISTERED LAB PARTICIPANTS**
Thank you!



12:30 - 1:15 p.m. Lunch for Lab Registrants

1:15 p.m. Transition to Lab Stations - Rutledge Tower 2nd floor

1:30 - 6:15 p.m. Lab session for those who pre-registered

3:30 - 3:45 p.m. Break