



The Medical University of South Carolina
Department of Otolaryngology – Head & Neck Surgery

The Charleston Vestibular Conference: 2023 Update

November 3 & 4, 2023

MUSC Hollings Cancer Center, Charleston, SC | Also Live Streamed

Course Directors:

Habib G. Rizk, M.D., MSc

Associate Professor and Director, Vestibular Program
Department of Otolaryngology - Head & Neck Surgery

Danielle M. Cassels, AuD, CCC-A

Clinical Instructor, Audiology

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Charleston Vestibular Conference: 2023 Update

Medical University of South Carolina | Otolaryngology - Head & Neck Surgery

This two-day conference is designed for all providers* involved in the care of patients with vestibular disorders. We will cover key topics on the evaluation and management of patients in this population. Our objectives are to provide current knowledge and best practices when serving patients with vestibular disorders. An instructional hands-on lab will be included and will cover both the clinical and paraclinical evaluation of the patient with dizziness and the basic principles of vestibular therapy for various vestibular disorders. Course content is geared towards all levels of proficiency and expertise. The course includes lectures that are also available virtually. Visit our website for information on this year's keynote and guest speakers.

*Otolaryngologists, Audiologists, Physical Therapists, Occupational Therapists, Neurologists, Internists, Family Practitioners, Pediatricians, Physician Assistants, Nurse Practitioners, VNG/ENG Technicians



Charleston named Top U.S. City for the 10th consecutive year!

Condé Nast Traveler
Readers' Choice Awards.

MUSC Course Directors

Habib Rizk, M.D., MSc

Associate Professor, Otolaryngology-Neurotology
Director, Vestibular Program
Otolaryngology - Head & Neck Surgery

Danielle M. Cassels, AuD, CCC-A

Clinical Instructor, Audiology

Course Lab Co-Directors

Rebecca English, OTR/L, PT, MSR, DPT

Physical Therapist

Nicole A. Ritter, AuD, CCC-A

Clinical Instructor, Audiology

Keynote Speakers

Janet Helminski, PT, Ph.D.

Professor, Department of Physical Therapy
Rosalind Franklin University of Medicine and Science
North Chicago, IL

Kristen Janky, AuD, Ph.D., CCC-A

Director, Vestibular and Balance Laboratory
Boys Town National Research Hospital
Omaha, NE

Guest Faculty

Michael Teixeira, M.D.

Assistant Professor, Otolaryngology-Neurotology
Thomas Jefferson University
University of Pennsylvania
Director, Delaware Otolaryngology
and Surgery Fellowship, Wilmington, DE

MUSC Faculty

Christine C. Strange, AuD, CCC-A

Clinical Instructor, Audiology
Clinical Director, Vestibular Program

Nour El Hidek, AuD

Clinical Instructor, Audiology

Elizabeth A. Poth, AuD, CCC-A

Clinical Instructor, Audiology

Course Overview

MUSC Hollings Cancer Center, 86 Jonathan Lucas Street, Charleston, SC | Also Live Streamed

Topics

- Vestibular Anatomy and Physiology
- Clinical Evaluation and Management of patients with dizziness
- Benign Positional Paroxysmal Vertigo : typical and atypical
- Vestibular Migraine
- Importance of oculomotor exam and rehabilitation in vestibular therapy for vestibular hypofunction
- Importance of early identification of vestibular dysfunction in pediatric populations
- Multidisciplinary management of pediatric vestibular disorders

Course Objectives

At the completion of this course, the participant will be better able to:

- evaluate comprehensively a patient with dizziness.
- evaluate and identify vestibular disorders in the pediatric population.
- apply multidisciplinary assessment of pediatric vestibular disorders.
- assess the importance and prevalence of vestibular migraine as a cause of dizziness.
- detect atypical forms of BPPV.
- demonstrate proficiency in the oculomotor exam and rehabilitation as part of the therapy of uncompensated vestibular dysfunction.

Disclosure Statement

In accordance with the ACCME Standards for Integrity and Independence in Accredited Continuing Education anyone involved in planning or presenting this educational activity will be required to disclose any financial relationships with any ineligible companies. An ineligible company is any entity whose primary business is producing, marketing, selling, reselling, or distributing healthcare products used by or on patients. Any financial relationships with these ineligible companies have been mitigated by the MUSC Office of CME. Speakers who incorporate information about off-label or investigational use of drugs or devices will be asked to disclose that information at the beginning of their presentation.

Faculty disclosures can be found on our website:



Accreditation Statement

The Medical University of South Carolina is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Americans with Disabilities Act

It is the policy of the Medical University of South Carolina not to discriminate against any person on the basis of disabilities. If you feel you need services or the auxiliary aids mentioned in this act in order to fully participate in this continuing medical education activity, please call the Department of Otolaryngology – Head & Neck Surgery at 843-876-0943 or attach a note to your registration.

Hotel Reservations

Rooms have been reserved for this conference. Please call the hotel directly to book your room(s). Ask for the MUSC Vestibular group rate.

[Cambria Hotel Charleston](#)

84 Ripley Point Drive
Charleston, SC 29407
Phone: 843-209-4293
From \$152 night + taxes and fees
Room block expires October 12, 2023

Parking for the Conference

Parking on campus will be available.

Friday, November 3, 2023

MUSC Hollings Cancer Center, 86 Jonathan Lucas 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 Remarks**Habib 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 Jam**Janet 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!
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Saturday, November 4, 2023

MUSC Hollings Cancer Center, 86 Jonathan Lucas 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 - 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

Lab Sessions



MUSC Rutledge Tower Second Floor ENT Clinic

Station 1
Vestibular Examination
Habib G. Rizk, M.D., MSc

Station 2
BPPV Techniques
Michael Teixido, M.D.

Station 3
**Ocular Alignment: Phorias/
Tropias**
Janet Helminski, PT, Ph.D.

Station 4
Advanced BPPV Treatments
Rebecca English, OTR/L, PT,
MSR, DPT

Station 5
vHIT
Christine C. Strange, AuD, CCC-A

Station 6
VEMPs
Elizabeth A. Poth, AuD, CCC-A

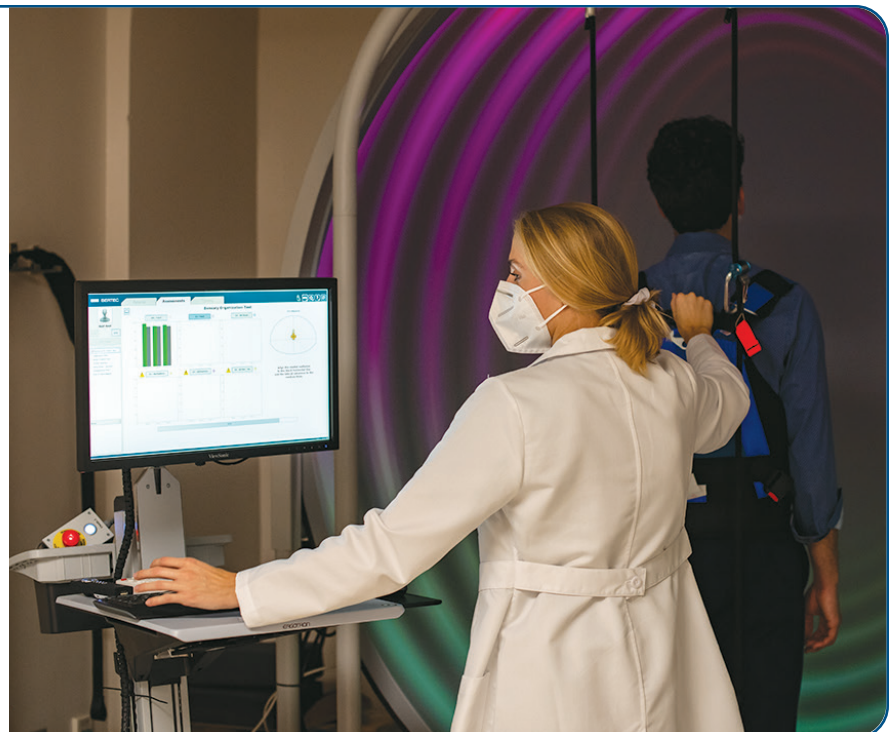
Station 7
VNG with Rotary Chair
Danielle Cassels, AuD, CCC-A

Station 8
Pediatric Vestibular Testing
Kristen Janky, AuD, Ph.D., CCC-A
Nour El Hidek, AuD, CCC-A

Lab registrants will be asked to identify lab sessions of interest upon registration. A final lab schedule will be released prior to the conference.

Each station will last 30 minutes including 10 minutes of instruction and 20 minutes of practice and questions.

Some lab sessions may overlap, we will do our best to accommodate those who wish to attend simultaneous sessions.



Credit Designations



For Lectures:

The Medical University of South Carolina designates this live activity for a maximum of *11.75 AMA PRA Category I Credit(s)*TM. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

For Labs

The Medical University of South Carolina designates this live activity for a maximum of *4.5 AMA PRA Category I Credit(s)*TM. Physicians should only claim the credit commensurate with the extent of their participation in the activity.

Intermediate Level

1.60 ASHA CEUs

1.15 credits for lectures in person or virtual*

1.60 credits for lectures + lab in person only

*Live Stream is for Friday & Saturday lectures only

This program is pending approval by the American Academy of Audiology to offer a maximum of 1.6 Academy CEUs. Academy approval of this continuing education activity does not imply endorsement of course content, specific products, or clinical procedures. Any views that are presented are those of the presenter/CE Provider and not necessarily of the American Academy of Audiology.

This program is pending approval by the South Carolina Chapter American Physical Therapy Association for 11.75 contact hours (1.15 CEUs) for the lecture portion and 4.50 contact hours (0.45 CEUs) for the lab portion CEUs.

This program is pending approval by the South Carolina Occupational Therapy Association for 11.75 contact hours (1.15 CEUs) for the lecture portion and 4.50 contact hours (0.45 CEUs) for the lab portion CEUs.

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Registration

Name _____ Preferred name for badge _____

Address _____ City _____ State _____ Zip _____

E-mail address _____ Telephone _____

Practice name _____ Specialty _____

I am an _____ MD _____ NP _____ PA _____ AuD _____ PT _____ Tech _____ Other _____

American Balance Society Member _____ Yes _____ No

It's OK to share my email address with the conference commercial supporters _____ Yes _____ No

Physicians can receive CME credit
Non-Physicians can receive CEU credit

Register on or
before 9/1/23
9/8/23

Register
after 9/1/23
9/8/23

Register
after 10/28/23

Physicians - in person

\$400.00

\$450.00

\$500.00

Physicians - livestream lectures

\$300.00

\$350.00

\$400.00

Otolaryngologists, Neurologists, Internists,
Family Practitioners, Pediatrician,

Non-Physicians - in person

\$250.00

\$300.00

\$350.00

Non-Physicians - livestream lectures

\$200.00

\$250.00

\$300.00

AuD, PT, OT, PA, NP, Tech

Residents and Students - in person

\$75.00

\$100.00

\$125.00

Livestream lectures

\$50.00

\$75.00

\$100.00

Lab sessions - in person only - Limited space, register early!

\$150.00

\$200.00

\$250.00

Dietary restrictions: _____

Please rate your current level in regards to vestibular evaluation and interpretation, and/or treatment:

Novice Intermediate Advanced

An electronic syllabus will be available online for all participants prior to the conference at no charge.

NOTE: Livestream will not be recorded for later viewing

Payment must accompany registration

Online registration accepts credit card payments only. If you want to pay by check or have any questions about this event, please contact Julie Taylor at taylorjul@musc.edu or 843-876-0943.

Cancellations

Refunds for cancellation can be given if requested in writing before October 15, 2023. A \$50.00 administrative fee will be retained if you cancel. **No refunds will be made on or after October 15, 2023.**

This conference is subject to cancellation and if this should happen, persons registered for this conference will be notified by telephone, using the telephone number listed on the registration form. Registration fees will be refunded in full. In the event of cancellation, MUSC cannot be responsible for airline tickets or travel expenses of any nature.