



Please be assured that safety is our highest priority. MUSC takes standards for hygiene and cleanliness very seriously, and will take additional steps to help ensure the safety of guests and associates.

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

The Charleston Vestibular Conference: 2021 Update

November 5-6, 2021

MUSC Wellness Center, 45 Courtenay Drive | Also Live Streamed

Course Director:

Habib G. Rizk, M.D., MSc

Associate Professor and Director, Vestibular Program

Department of Otolaryngology - Head & Neck Surgery

musc.edu/ent/cme



Charleston Vestibular Conference: 2021 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 (Otolaryngologists, Audiologists, Physical Therapists, Occupational Therapists, Neurologists, Internists, Family Practitioners, Pediatricians, Physician Assistants, Nurse Practitioners, VNG/ENG Technicians). The course will cover many key topics on the evaluation and management of dizzy patients with this year's key note speaker addressing the evaluation of the pediatric dizzy patient. Our objective is to provide current knowledge and the ability to employ best current practices when servicing this population. In addition to the didactic lectures, the course will have a hands-on portion that will instruct attendees on the clinical and paraclinical evaluation of the dizzy patient and the basic principles of vestibular therapy for various vestibular disorders.



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

Condé Nast Traveler
Readers' Choice Awards.



Course Director

Habib Rizk, M.D., MSc

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

Keynote Speaker

Joshua A. Huppert, AuD, ABAC

Team Lead, Vestibular Program
Assistant Professor, Department of Otolaryngology
Children's Hearing Program
University of Miami Ear Institute

Guest Faculty

Michael Teixido, M.D.

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

MUSC Faculty

Christine C. Strange, AuD, CCC-A

Instructor, Audiology
Clinical Director, Vestibular Program

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

Physical Therapist

Ryan S. Marovich, MPAS, PA-C

Physician Assistant

Elizabeth A. Poth, AuD, CCC-A

Instructor, Audiology

Nicole Ritter, AuD, CCC-A

Clinical Instructor, Audiology

Complete [faculty disclosures](#) can be found on our website.

Topics

- Vestibular Anatomy and Physiology
- Clinical Evaluation and Management of the Dizzy Patient
- Benign Positional Paroxysmal Vertigo
- Vestibular Migraine
- Vestibular Rehabilitation in patients with MDDS, PPPD and Chronic Rocking Dizziness
- Vestibular testing in patients with chronic rocking dizziness: can we differentiate from physiologic patterns
- Cognitive and Gross Motor Development from birth to five years of age
- Importance of early identification of vestibular dysfunction in pediatric populations

Course Overview

MUSC Wellness Center | Also Live Streamed



Course Objectives

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

- Appropriately evaluate a dizzy patient clinically
- Evaluate and identify vestibular disorders in the pediatric population
- Assess the indications of vestibular testing and know how to interpret them and identify aphysiologic patterns
- Recognize the most common causes of dizziness seen in clinic
- Interpret the role of vestibular rehabilitation in chronic rocking dizziness

Disclosure Statement

In accordance with the ACCME Essentials and Standards, anyone involved in planning or presenting this educational activity will be required to disclose any relevant financial relationships with commercial interests in the healthcare industry. This information will be made available to participants at the beginning of the activity. 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. Complete faculty disclosures can be found on our website: musc.edu/ent/cme

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 and Neck Surgery at 843-876-0943 or attach a note to your registration.

Hotel Reservations

Rooms have been reserved for this conference at two locations. 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
\$89 Thursday night + taxes and fees
\$149 Friday night + taxes and fees
Room block expires October 14, 2021

[Hyatt House Historic District](#)

560 King Street
Charleston, SC 29403
Phone: 843-414-4900
\$249 per night + taxes and fees
Room block expires October 14, 2021

Parking for the Conference

Paid parking on campus will be available.

Friday, November 5, 2021

MUSC Wellness Center, 45 Courtenay Drive | Also Live Streamed via MS Teams

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 - 8:00 a.m. Opening RemarksHabib G. Rizk, M.D., MSc
- 8:00 - 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 - 11 a.m. Cognitive and Gross Motor Development from Birth to 5 Years
.....Joshua A. Huppert, AuD, ABAC
1) List and describe the 4 primary domains of development; 2) Identify age-appropriate milestones specific to cognition and movement/physical development in children from birth to five years of age; 3) Describe “red flags” and what they indicate; 4) Explain what steps may be recommended should parental concerns for development arise and/or should “red flags” be identified.
- 11 - 11:45 a.m. Lunch with exhibitors
- 11:45 - 1:15 p.m. Vestibular Testing and Vestibular Rehabilitation in Patients with Chronic Rocking Dizziness
.....Rebecca English, OTR/L, PT, MSR, DPT; Christine C. Strange, AuD, CCC-A
The participant will be able to 1) identify the most common causes of chronic rocking dizziness, 2) distinguish vestibular testing findings from aphysiologic presentations;
3) establish a vestibular rehabilitation plan of care for those patients.
- 1:15 - 1:30 p.m. Break
- 1:30 - 3:30 p.m. Benign Positional Paroxysmal Vertigo Michael Teixido, M.D.
1) integrate the anatomy of the membranous labyrinth as it is important to canalithiasis and cupulolithiasis; 2) perform maneuvers and exercises used in the diagnosis and treatment of canalithiasis and cupulolithiasis; 3) utilize Ewald’s Laws and their usefulness in the interpretation of eye movements.
- 3:30 - 4:45 p.m. Management of the Dizzy Patient Panel discussion:
..... Moderator: Dr. Rizk Panelists: Dr. Huppert, Dr. Teixido, Dr. English, Dr. Strange
1) analyze patient history and physical exam findings to formulate a differential diagnosis;
2) categorize the most prevalent and important clinical disorders seen in a vestibular clinic;
3) Identify patterns in complicated presentations that will lead to appropriate diagnosis and management.
- 4:45 - 5 p.m. Q&A Session
- 5 p.m. Adjourn. Complete and submit all CME/CEU forms - Thank you!
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Saturday, November 6, 2021

MUSC Wellness Center, 45 Courtenay Drive | Also Live Streamed via MS Teams

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. **The Importance of Early Identification of Vestibular Dysfunction in Pediatric Populations**
.....Joshua A. Huppert, AuD, ABAC

1) Identify three risk factors commonly associated with vestibular dysfunction in children;
2) formulate questions to include in case history specific to identifying vestibular dysfunction in children; 3) integrate two to three vestibular screening measures to diagnostic audiological evaluation test battery to assess function of three main reflexes mediated by the vestibular system.

10 - 10:15 a.m. Break

10:15 - 12:15 p.m. **Differentiating Vestibular Migraine from other Vestibular Disorders** Michael Teixido, M.D.

1) utilize a current pathophysiologic model for migraine that explains the generation of vertigo symptoms in the brain and in the inner ear; 2) illustrate the usefulness and limitations of Vestibular therapy in Vestibular Migraine patients; 3) discover treatment strategies most likely to be effective in improving Vestibular Migraine.

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

12:30 p.m. Adjourn - **EXCEPT FOR REGISTERED LAB PARTICIPANTS**
Complete and submit all CME/CEU forms - 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 - 6:00 p.m. Lab session for those who pre-registered

Lab Sessions



MUSC Rutledge Tower Second Floor ENT Clinic

Station 1

Vestibular Examination

Habib G. Rizk, M.D., MSc

Station 2

vHIT

Nicole Ritter, AuD, CCC-A

Station 3

Rotary Chair

Joshua A. Huppert, AuD, ABAC

Danielle Cassels, AuD

Station 4

VEMP

Elizabeth A. Poth, AuD, CCC-A

Station 5

BPPV – Posterior Canalithiasis:

Testing and Treatment

Ryan S. Marovich, MPAS, PA-C

Station 6

Atypical BPPV/Review of Eye Movements

Michael Teixido, M.D.

Station 7

Gaze Stabilization, VOR

Rehabilitation, Postural Stability

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

Station 8

Posturography

Christine C. Strange, AuD, CCC-A

Lab registrants will be divided into two groups. Each group will then be divided into four sub-groups.

Group A will rotate through lab stations 1 to 4, **Group B** through stations 5 to 8, then groups A & B will switch.

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

Group A

1:30 p.m.

Station 1

2:00 p.m.

Station 2

2:30 p.m.

Station 3

3:00 p.m.

Station 4

3:30 p.m.

Break / groups switch stations

4:00 p.m.

Station 5

4:30 p.m.

Station 6

5:00 p.m.

Station 7

5:30 p.m.

Station 8

6:00 p.m.

Adjourn and submit all CME/CEU forms.
Thank you!

Group B

Station 5

Station 6

Station 7

Station 8

Station 1

Station 2

Station 3

Station 4

Credit Designations



For Lectures:

The Medical University of South Carolina designates this live activity for a maximum of *12.25 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 *4.0 AMA PRA Category I Credit(s)TM*. Physicians should only claim the credit commensurate with the extent of their participation in the activity.



Medical University of South Carolina is approved by the Continuing Education Board of the American Speech-Language-Hearing Association (ASHA) to provide continuing education activities in speech-language

pathology and audiology. **See course information for number of ASHA CEUs, instructional level and content area.** ASHA CE Provider approval does not imply endorsement of course content, specific products or clinical procedures.

This program is offered for a maximum of 1.6 ASHA CEUs (**Intermediate** level; **Professional** area.)

An annual ASHA CEU Registry fee is required to register ASHA CEUs. CE Registry fees are paid by the participant directly to the ASHA National Office. The annual ASHA CEU Registry fee allows registration of an unlimited number of ASHA CEUs for the calendar year. Contact the ASHA CEU staff at 800-498-2071 ext. 8591 for CEU Registry fee subscription information.



This program is approved 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 approved by the South Carolina Chapter American Physical Therapy Association for 12.25 contact hours (1.22 CEUs) for the lecture portion and 4.0 contact hours (0.40 CEUs) for the lab portion CEUs.

