

# 2021 ADVANCED VESTIBULAR REHABILITATION CONSIDERING CURRENT RESEARCH

*Saturday, Sept. 18 – Sunday, Sept. 19*



## LOCATION

Mary Free Bed Professional Building  
Meijer Conference Center  
350 Lafayette Ave. SE, Grand Rapids, MI 49503

INTENDED AUDIENCE

OT/OTA, PT/PTA, Physicians, Mid-level Providers

COURSE OBJECTIVES

Upon completion of this course, participants will:

- Describe new concepts in motor learning within the VOR
- Determine when to refer patients for vestibular testing
- Apply advanced clinical skills to treat peripheral and central vestibular hypofunction, benign paroxysmal positional vertigo, concussion and vestibular migraine
- Identify pathological eye movement implicating the oculomotor and vestibular systems
- Perform clinical skills to distinguish different causes for vertical ocular misalignment
- Utilize tests and measures for managing patients with vestibular disorders
- Describe new tests of vestibular function (torsion during head tilt, computer-controlled rotational head impulse test, etc.)
- Describe emerging technologies that will impact vestibular rehabilitation
- Identify common reasons for delayed compensation
- List common causes that can impair recovery from a vestibular disorder

COURSE INSTRUCTORS

**Michael C. Schubert, PT, Ph.D., FAPTA** is an associate professor in the Department of Otolaryngology Head and Neck Surgery with a joint appointment in Physical Medicine and Rehabilitation at Johns Hopkins University School of Medicine. He completed his Ph.D. at the University of Miami and a post-doctoral fellowship at Johns Hopkins University. His clinical focus is treating gaze and gait instability in people with loss of vestibular sensation. His current research investigates differences in motor learning in the vestibulo-ocular reflex using different types of error signals. In addition, he is investigating whether the synergistic relationship between the vestibular and saccadic oculomotor systems can be entrained as a strategy for gaze stability. He is supported by the Department of Defense and the National Aeronautics and Space Administration. He has authored/co-authored over 100 research manuscripts.

**Susan L. Whitney, DPT, Ph.D., NCS, ATC, FAPTA** received her Ph.D. in motor development/motor learning from the University of Pittsburgh and her professional physical therapy education from Temple University in Philadelphia. She is a professor in physical therapy in the School of Health and Rehabilitation Sciences in the Department of Otolaryngology and the Center for Clinical and Translational Sciences at the University of Pittsburgh. She is the program director of the Centers for Rehab Services Balance and Vestibular Rehabilitation Center at the University of Pittsburgh Medical Center. She is supported by the Department of Defense and the National Institutes of Health to develop technology for people with vestibular disorders and to study exercise dosage. She’s authored/coauthored over 140 articles on Medline and is engaged in research related to concussion in children and young adults.

DISCLOSURES

**Michael C. Schubert, PT, Ph.D., FAPTA**

**Financial** - Employed by Johns Hopkins University; Advisory Board member for Vestibular Disorders Association; consultant for Blue Marble Game Co.; JNPT associate editor; Frontiers associate editor; Journal of Vestibular Research associate editor; grant recipient DOD, MS Society, NASA, VA Hospitals; receiving honorarium

**Non-financial** - No relevant non-financial relationship exists.

**Susan L. Whitney, DPT, Ph.D., NCS, ATC, FAPTA**

**Financial** - Employed by the University of Pittsburgh; consultant for IAI Technologies, Inc.; vice president of the International Neurologic Physiotherapy Association, a part of WCPT; grant recipient, Department of Defense; intellectual property/patients IAI Technologies, Inc.; provides expert testimony on occasion; conducts lectures for Interacoustics; receiving honorarium

**Non-financial** - No relevant non-financial relationship exists.

CONTINUING EDUCATION CREDITS

Mary Free Bed Rehabilitation Hospital is accredited by the Michigan State Medical Society to provide continuing medical education for physicians.

Mary Free Bed Rehabilitation Hospital designates this live educational activity for a maximum of **13.0 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



This program has been submitted to the American Physical Therapy Association for 13.0 credit hours of physical therapy education in Michigan.



Mary Free Bed is an AOTA Approved Provider of continuing education. Provider #11133. Full attendance at this course qualifies for **13.0 contact hours or 1.3 CEUs** in the Category 1 Domain of OT and Category 2 Occupational Therapy Process. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA. Course level: Intermediate.

Certificates

Certificates will be awarded and available to participants who attend the course, sign in and complete the required course evaluation through the MFB Education Academy website. The number of continuing education credits/units awarded will be based on the hours attended and the requirements of the specific accreditation body.

COURSE SCHEDULE

Saturday, September 18

7:45 - 8:15 a.m.	Registration (continental breakfast provided)
8:15 - 8:30 a.m.	Introductions and program overview
8:30 - 9:15 a.m.	Lecture: Newer Tests of the Vestibular System Relevant to the Clinician
9:15 - 10 a.m.	Lecture: Eye Movement Analysis with an Eye towards Differential Diagnosis
10 - 10:20 a.m.	Break
10:20- 11 a.m.	Lab: Oculomotor exam (semicircular canal head impulses, headshake tilt suppression, Rinne/Weber)
11 a.m. - Noon	Lecture: New Evidence in VOR Motor Learning: How can we use the new science to potentially improve outcomes in patients?
Noon - 1 p.m.	Lunch (on your own)
1 - 2 p.m.	Lecture: Best Evidence for Treating BPPV (aSCC and pSCC)
2 - 3 p.m.	Lab: BPPV (aSCC, pSCC)
3 - 3:15 p.m.	BREAK
3:15 - 4 p.m.	Lecture: What’s New and Relevant for the Clinical Management of Concussion
4 - 4:30 p.m.	Lab: Oculomotor video case vignettes
4:30 p.m.	Adjourn

Sunday, September 19

7:30 - 8 a.m.	Registration (continental breakfast provided)
8 - 9 a.m.	Lecture: Best Evidence Treating BPPV (hSCC)
9 - 9:45 a.m.	Lab: hSCC BPPV
9:45 - 10:15 a.m.	Break
10:15 - 11:15 a.m.	Lecture: Central Vestibular Dysfunction and Oculomotor Alignment
11:15 a.m. - 12:15 p.m.	Lab: Oculomotor Alignment (Maddox Rod, Cover/Uncover/Cross-cover, Fourth vs. Utricular Skew)
12:15 - 1 p.m.	Lunch (on your own)
1 - 1:45 p.m.	Newest advances in vestibular rehabilitation
1:45 - 2:30 p.m.	Vestibular Migraine
2:30 - 3:15 p.m.	Lecture: Factors that negatively affect recovery in persons with peripheral and central vestibular disorders: What you need to know
3:15 - 4 p.m.	Lab: Complex cases
4 p.m.	Adjourn

REGISTRATION

Course Fees

MFB Professionals/Network members	\$550
Professional Staff (outside MFB)	\$575

Registration Process

All attendees MUST register online.

Please copy and paste the URL below, and use Google Chrome, Firefox or Safari (not Internet Explorer):

<https://educationacademy.maryfreebed.com/#/public-dashboard>

Payment Options

1. Credit card

Visa or Mastercard

2. Check\*

Attendee MUST complete the online registration and indicate payment as “check.”

Please make check payable to:

Mary Free Bed Fund/Advanced Vestibular ’21
Mail check to:
Attn: Medical Education/Advanced Vestibular Registration
Mary Free Bed Rehabilitation Hospital
235 Wealthy St. SE
Grand Rapids, MI 49503-5247

\* A service fee of \$35 will be assessed for all checks returned for insufficient funds or for charges made to closed accounts.

Registration Confirmation

You will receive immediate confirmation via email.

If you do not receive a confirmation, please call 616.840.9865.



## ADDITIONAL INFORMATION

### Refund Policy

If you cancel, your registration fee, less a \$125 service charge, is refundable if written notice of cancellation is received at least 30 days prior to the course date. No refunds will be issued for cancellations received after this date or for non-attendance. Send refund requests to [medical.education@maryfreebed.com](mailto:medical.education@maryfreebed.com).

### Cancellation or Replacement of Speaker

In the event of an activity cancellation, the liability of Mary Free Bed Rehabilitation Hospital will be limited to a full or partial refund of registration fees. Mary Free Bed reserves the right to substitute an equally qualified speaker.

**Please note:** In the event of course cancellation by Mary Free Bed Rehabilitation Hospital, the full registration fee will be refunded. Mary Free Bed Rehabilitation Hospital regrets that in the event of cancellation, we are not able to assume liability for travel and lodging costs incurred.

### Location

Mary Free Bed Professional Building  
Meijer Conference Center  
350 Lafayette Ave. SE  
Grand Rapids, MI 49503

### Parking

Use the parking ramp directly south of 350 Lafayette Ave. SE, labeled C.

### Dress Code

Business casual. The conference room temperature can fluctuate; we recommend you bring a sweater or jacket.

### Questions

Contact Ashley Jourdan, 616.840.9865 or [ashley.jourdan@maryfreebed.com](mailto:ashley.jourdan@maryfreebed.com).

## AIRPORT AND HOTEL INFORMATION

The closest airport (about 20 minutes from the hospital) is the Gerald R. Ford International Airport located at 5500 44th St. SE, Grand Rapids, MI 49512. [www.flygrandrapids.org](http://www.flygrandrapids.org)

There are many lodging options in and around the Grand Rapids area, including but not limited to:

### AMWAY GRAND PLAZA HOTEL

187 Monroe Ave. NW, Grand Rapids, MI 49503  
616.774.2000  
*0.9 miles west of Mary Free Bed*

### HOLIDAY INN

310 Pearl St. NW, Grand Rapids, MI 49504  
616.235.7611  
Downtown Grand Rapids at 131 and Pearl Street  
*One mile northwest of Mary Free Bed*

### DOWNTOWN COURTYARD BY MARRIOTT

11 Monroe Ave. NW, Grand Rapids, MI 49503  
616.242.6000 or 800.321.2211  
Downtown Grand Rapids at Fulton and Monroe  
*One mile west of Mary Free Bed*

### HOMEWOOD SUITES BY HILTON

161 Ottawa Ave. NW, Grand Rapids, MI 49503  
616.451.2300  
*One mile northwest of Mary Free Bed*

### HAMPTON INN & SUITES - DOWNTOWN

433 Dudley Place NE, Grand Rapids, MI 49503  
616.456.2000  
*One mile north of Mary Free Bed*

### HOLIDAY INN EXPRESS HOTEL & SUITES

6569 Clay Ave. SW, Grand Rapids, MI 49548  
616.871.9700  
South of downtown Grand Rapids at 131 and 68th Street  
*Nine miles south of Mary Free Bed*

### SPRINGHILL SUITES BY MARRIOTT

450 Center Drive, Grand Rapids, MI 49544  
616.785.1600 or 888.287.9400  
[springhillsuites.marriott.com](http://springhillsuites.marriott.com)  
1-96 and Alpine Avenue  
*Five miles north of downtown Grand Rapids*

### STAYBRIDGE SUITES BY HOLIDAY INN

3000 Lake Eastbrook Blvd. SE, Kentwood, MI 49512  
616.464.3200  
29th Street and Lake Eastbrook Boulevard  
*Eight miles east of Mary Free Bed*

### SLEEP INN & SUITES

4824 29th St. SE, Grand Rapids, MI 49512  
616.975.9000  
29th Street and East Paris Avenue  
*Eight miles east of Mary Free Bed*

If you require special arrangements to fully participate in this course, please call 616.840.9865.

