

# ADVANCED VESTIBULAR PHYSICAL THERAPIST CERTIFICATION

Module 2

## OBJECTIVES AND SCHEDULE



University of  
**Pittsburgh**

Department of  
**Physical Therapy**  
School of Health and  
Rehabilitation Sciences

# OBJECTIVES

## **Concussion, vision, eye movements, vestibular hypofunction CPG, Mal de Debarquement, CNS disorders, psychological/pharmacological/surgical management**

1. Recognize and be able to classify persons with vestibular migraine, Mal de Debarquement, stroke, concussion, cervicogenic dizziness, cerebellar disease, superior canal dehiscence, orthostatic tremor, CANVAS, and PPPD.
2. Be able to recognize various eye movements associated with peripheral and central vestibular conditions, both common and rare.
3. Be able to determine if the patient meets the criteria for vestibular migraine versus migraine and will understand medical management of vestibular migraine.
4. Be exposed to the most up to date information related to the recognition, diagnosis, and management of persons with Mal de Debarquement.
5. Understand the role of a neuropsychologist in the management of concussion.
6. Be able to apply evidence-based interventions for persons with vestibular hypofunction.
7. Be exposed to up-to-date physical therapy management of concussion based on the most recent guidelines and evidence.
8. Understand the value of the new CPG for concussion
9. Be exposed to ocular conditions that may delay rehab outcomes of persons with concussion
10. Be able to identify factors that affect recovery from a central or a peripheral vestibular disorder
11. Be able to identify non-pharmacologic and pharmacologic interventions utilized in the management of persons with vestibular disorders
12. Gain an understanding of the latest surgical management of persons with vestibular disorders including acoustic schwannoma, canal plugging, the vestibular implant, and dehiscence surgery
13. Gain an appreciation for and an understanding of the potential benefits of the vestibular implant
14. Be exposed to case studies of persons with peripheral vestibular loss to integrate the differential diagnosis with the applied interventions.

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15. Review the action statements of the new vestibular hypofunction clinical practice guideline (CPG) and how that can affect interventions.
16. Be exposed to and interact with decision making in the physical therapy management of complex cases and persons with vestibular hypofunction
17. Better understand the relationship of vision and the vestibular system as it affects patient care and management.
18. Learn and apply the rules of the Barany consensus document for the analysis of eye movements via online interaction with the instructor.
19. Be exposed to complex vestibular cases and interactive decision making via an online learning platform
20. Be able to examine and develop a treatment plan for persons post mild head injury (concussion)
21. Be exposed to and understand the value of the Barany consensus documents. Although as physical therapists we don't make the medical diagnosis, the consensus documents will help you to know when to refer your patients for additional testing and to whom to refer the person to for optimal management

# SCHEDULE

## All times Eastern Standard Time

**October 26, 2021 (7 PM)** The Role of Vision in Vestibular Rehabilitation Pamela M. Dunlap, PT, PhD, NCS

**November 2, 2021 (7 PM)** Barany consensus document about eye movements Janet Helminski, PT, PhD

## NOVEMBER 13, 2021

**8:00-8:40** Differential diagnosis for “more complicated” conditions (case-based didactic) Susan L. Whitney, DPT, PhD, NSC, ATC, FAPTA

**8:40-9:35** Eye movement analysis David S. Zee, MD

**9:35-10:00** Question and answers with Drs. Whitney and Zee

**10:00-10:15** Break

**10:15-11:10** New Vestibular hypofunction Clinical Practice Guideline Courtney D. Hall, PT, PhD

**11:10-12:05** Treatment of persons with vestibular hypofunction Susan J. Herdman, PT, PhD

**12:05-12:30** Questions and answers with Drs. Hall and Herdman

**12:30-1:15** Lunch

**1:15-1:40** Concussion – A neuropsychologist’s perspective Anthony P. Kontos, PhD

**1:40-2:35** Concussion- A physical therapist’s perspective Anne Mucha, DPT, NCS

**2:35-3:00** Question and answers with Drs. Kontos and Mucha

**3:00-3:15** Break

**3:15-4:10** Concussion Clinical Practice Guideline Bara A. Alsalaheen, PT, PhD

**4:10-4:35** Mal de Debarquement Yoon Hee Cha, MD

**4:35-5:00** Questions and answers with Drs. Alsalaheen and Cha

# SCHEDULE

All times Eastern Standard Time

## NOVEMBER 14 2021

**8:00-8:55** Factors that affect recovery Susan L. Whitney, DPT, PhD, NSC, ATC, FAPTA

**8:55-9:35** Medical management including pharmacologic and non-pharmacologic interventions for dizziness Klaus Jahn MD

**9:35-10:00** Questions and answers with Drs. Whitney and Jahn

**10:00-10:15** Break

**10:15-11:10** Vestibular implants and surgical options for vestibular disorders Raymond Van der Berg, MD

**11:10-11:35** Migraine and vestibular migraine Thomas Lempert, MD

**11:35-12:00** Questions and answers with Drs. Van der Berg and Lempert

**November 23, 2021 (7PM)** Concussion Cases Alexander Ring, PT

**November 30, 2021 (7PM)** Case studies of persons with functional movement disorders - Janet Callahan, DPT, MS, NCS and Dr. Julie Maggio, PT, DPT, NCS