

## **Objectives**

The participant will be able to:

1. Discuss how concussion-induced impairments of balance and vestibular dysfunction, and understand the role of cognitive testing in return-to-play.
2. Discuss the treatment of acute vestibular disorders.
3. Describe the manifestations of vestibular, oculomotor, and visual sensitivity impairments after concussion, and ways to assess and treat these impairments.
4. Discuss how hearing loss may affect interactions with individuals with vestibular disorders, and how to best communicate with a person with hearing loss.
5. Discuss how PTs can play a role in the management of someone with headache.
6. Compare the assessment techniques and treatment options for oculomotor dysfunction after concussion.
7. Differentiate central from peripheral vestibular dysfunction.
8. Describe how sleep disorders, especially obstructive sleep apnea, interact with vestibular disorders and affect management of vestibular disorders.
9. Understand the interaction between cognitive function and vestibular disorders.
10. Discuss the influence of the visual system on postural control
11. Discuss the most recent advances in BPPV management over the last 5 years.
12. Describe pharmacotherapy for patients with balance and vestibular disorders.
13. Differentiate anxiety-related dizziness from other vestibular disorders and understand its management from a psychiatric perspective.
14. Recognize cervical dizziness with its typical signs and symptoms.
15. Discuss medical management of chronic vestibular disorders not amenable to vestibular rehabilitation.
16. Describe the clinical characteristics of Persistent Postural-Perceptual Dizziness.
17. Describe advances in treatment interventions for persons with vestibular disorders.
18. Describe the factors that affect adaptation of the VOR, both facilitators and barriers.
19. Design an exercise program for people with visual vertigo and motion sickness.
20. Understand new advances in assessing vestibular function, including VEMP testing, and how this relates to intervention.
21. Identify balance assessment tools that may be helpful in determining whether a person can return to work after a vestibular disorder, and understand how driving is affected by vestibular disorders.