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. Understand the role of different medical treatment options for the comprehensive management of concussion.
3. Discuss the treatment of acute vestibular disorders.
4. Design an exercise prescription for individuals with ocular-motor dysfunction after concussion, and know when to refer to a neuro-optometrist.
5. Discuss the hearing loss may affect interactions with individuals with vestibular disorders, and how to best communicate with a person with hearing loss.
6. Discuss the different treatment options available for someone with headache after concussion.
7. Compare the assessment techniques and treatment options for oculomotor dysfunction after concussion.
8. Differentiate central from peripheral vestibular dysfunction.
9. Discuss the role of the vestibular system in autonomic function and motion sickness.
10. Describe how sleep disorders interact with vestibular disorders and affect management of vestibular disorders.
11. Describe the factors that affect adaptation of the VOR, both facilitators and barriers.
12. Understand different neuroimaging technologies used in the assessment of vestibular disorders and balance function
13. Recognize different oculomotor dysfunctions, including vestibular nystagmus, in persons presenting with vestibular disorders.
14. Discuss the most recent advances in BPPV management over the last 5 years.
15. Describe pharmacotherapy for patients with balance and vestibular disorders.
16. Differentiate anxiety-related dizziness from other vestibular disorders and understand its management from a psychiatric perspective.
17. Recognize cervical dizziness with its typical signs and symptoms.
18. Discuss medical management of chronic vestibular disorders not amenable to vestibular rehabilitation.
19. Describe the clinical characteristics of Persistent Postural-Perceptual Dizziness
20. Perform routine bedside evaluation of oculomotor function.
21. Describe advances in treatment interventions for persons with vestibular disorders.
22. Understand the interaction between cognitive function and vestibular disorders.
23. Understand new advances in assessing vestibular function, including VEMP testing, and how this relates to intervention.
24. 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.
25. Understand the role of gait speed and mobility assessment in assessing overall health of older adults