

## Vestibular Rehabilitation Certification II: Advanced Vestibular Topics

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- Introduction
- Migraine
  - Pathophysiology of the peripheral and central vestibular systems
  - Vestibular and balance manifestations
    - Episodic Ataxia 2 (EA2)
    - Spinocerebellar 6 (SC6)
    - Familial and Sporadic Hemiplegic Migraine (FHM, SHM)
    - Migrainous Positional Vertigo (MPV)
    - Post Hysterectomy Migraine
- BPPV
  - Review of nystagmus patterns
  - Review of common variants of BPPV
  - Apogeotropic BPPV
  - Advanced Technique and Management of Non-Traditional BPPV
  - Co-morbidities
- Complex Diagnoses
  - Diabetes
    - Pathophysiology of diabetes and vestibular dysfunction
      - Vestibulopathies and BPPV and diabetes
    - Rehabilitation assessment
    - Rehabilitation treatment and management
  - Parkinson's Disease
    - Pathophysiology and neural pathways and vestibular dysfunction
    - Oculomotor deficits
    - BPPV and Parkinson's Disease
    - Rehabilitation assessment
    - Rehabilitation and treatment
  - Cerebellar Disorders
    - Types of cerebellar disorders causing vertigo and dizziness
    - Oculomotor deficits
    - Neuro and vascular anatomy
    - Acute Vestibular Syndrome
    - Rehabilitation assessment
    - Rehabilitation treatment
  - Multiple Sclerosis
    - Pathophysiology
    - Differential diagnosis
      - Acute vestibular syndrome
      - BPPV

- Rehabilitation assessment
    - Case study
  - Vestibulartoxicity
    - Agents, chemicals, solvents
    - Aminoglycosides and vestibular dysfunction
    - Unilateral versus bilateral vestibular dysfunction
    - Rehabilitation assessment
    - Neurodiagnostic
  - Bilateral Vestibulopathies
    - Possible causes
    - Differential diagnosis unilateral versus bilateral vestibulopathy
      - Bedside testing
      - Neurodiagnostic testing
    - Rehabilitation assessment
    - Rehabilitation treatment interventions
  - POTS
    - Diagnostic criteria
    - Associated conditions
      - Prevalence
      - Migraines
      - Autoimmunity disorders
      - Cardiac deconditioning
      - Concussion
      - Rehabilitation assessment
      - Treatment and management
- Psychogenic dizziness
  - Overview of personality disorders
  - Psychogenic Variants
    - Space and Motion Discomfort (SMD)
    - Mal de Debarquement Syndrome (MDDS)
    - Migraine Anxiety Related Dizziness (MARD)
    - Phobic Postural Vertigo (PPV)
    - Persistent Postural-Perceptual Dizziness (PPPD)
    - Motor Conversion
  - Clinical Scenarios and Case Reviews
- Management of the Persistent Non-Vertiginous Dizzy patient
  - Subjective differentiation / Biopsychosocial Model
    - Subjective Questionnaires / SPINS approach
  - Evidence-Based Multimodal Treatments
    - Education and Treatment for the aforementioned Complex Diagnoses
  - Summary of the Persistent Non-Vertiginous Dizzy patient