Vestibular Assessment Workshop

VideoNystagmography, Vestibular Evoked Myogenic Potentials, & Video Head Impulse Test

Course Director: Richard E. Gans, Ph.D.

Faculty:

Brittany Fauble, Au.D. | Joseph Sakumura, Au.D

**Faculty may vary based on location and availability*

Day 1	***8:30 AM – 6:00 PM***

Morning Session 8:30 AM – 12:00 PM *(Break 10:00 – 10:15 PM)*

- Welcome and Introductions
- Review of Peripheral and Central Vestibular Systems
- Overview of VNG Protocol – Building the most sensitive test battery
- Oculomotor Subtests
    - Saccades
    - Smooth Pursuit
    - Optokinetics
- Gaze Subtest

Lunch (on your own) 12:00 – 1:00 PM

Afternoon Session 1:00 PM – 6:00 PM *(Break 3:00 – 3:15 PM)*

- High Frequency Headshake Subtest
- Positioning Subtests
    - Biomechanics of modified Dix-Hallpike
    - Posterior and Anterior Canal BPPV assessment
    - Hands on practice
- Positional Subtests
    - Biomechanics of positional studies
    - Differentiation of Horizontal Canal BPPV
    - Hands on practice
- Caloric Subtest – Pearls and Pitfalls

Day 2	***8:30 AM – 6:00 PM***

Morning Session 8:30 AM – 12:00 PM *(Break 10:00 – 10:15 PM)*

- Vestibular Evoked Myogenic Potentials (VEMP)
    - Anatomy and physiology review of the vestibulocollic reflex (VCR) and vestibulo-ocular reflex (VOR)
    - Research and historical perspective
    - Who, when, and why to use cervical and ocular VEMP
    - Clinical instruction in proper test technique
    - Test interpretation and patient triage
    - Hands-on practice and VEMP techniques for infants, children, and adults

Lunch (on your own) 12:00 – 1:00 PM

Afternoon Session 1:00 PM – 6:00 PM *(Break 3:00 – 3:15 PM)*

- Video Head Impulse Test (vHIT)
    - Physiology review of the Corrective Saccade
    - Who, when, and why to use vHIT
    - Clinical instruction in proper test technique
    - Test interpretation and patient triage
    - Hands-on practice
- Integration of test findings: Putting it all together
- How to use the "Cross-Check Principle" with VNG, VEMP, and vHIT
- Case Studies
- Discussion and Summary

Syllabus timeline is for general purposes only. Depending on interest of the class, depth of discussions, questions, demonstrations and any hands-on, timeline may be adjusted. All content, however, will be covered.