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
  o Saccades
  o Smooth Pursuit
  o 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
  o Biomechanics of modified Dix-Hallpike
  o Posterior and Anterior Canal BPPV assessment
  o Hands on practice
• Positional Subtests
  o Biomechanics of positional studies
  o Differentiation of Horizontal Canal BPPV
  o 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.