

Vestibular Assessment: VNG, Rotary Chair, vHIT, & VEMP Protocols and Practice Workshop

Course Director:

Richard E. Gans, Ph.D.

Faculty:

Brittany Fauble Au.D., CCC-A, Joseph Sakumura, Au.D., CCC-A, Alyssa Steinweis, Au.D., CCC-A

**Faculty may vary based on availability and location*

Day 1 8:30 AM – 6:00 PM

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

- Welcome and Introduction

- Review of Peripheral and Central Vestibular Systems
 - Vestibular-Ocular Reflex (VOR)
 - Vestibulo-Collic Reflex (VCR)
 - Vestibulo-Spinal Reflex (VSR)

- Overview of VNG Protocol
 - Building the most sensitive test battery

- Oculomotor Subtests
 - Saccades
 - Smooth Pursuit
 - Optokinetics

- Gaze Subtests

Lunch (on your own)

Afternoon Session 1:00 PM – 6:00 PM (Break 3:30 – 3:45 PM)

- High Frequency Head Shake
 - Seated

- Positional Tests
 - Supine
 - Head vs Body Positionals
 - Lateral Body High Frequency Head shake

- Positioning Tests
 - Traditional vs. fully-supported vs. side-lying

- Calorics
 - Administration
 - Interpretation
 - Cross-Check Principle

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Day 2 8:30 AM – 6:00 PM

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

- Rotary Chair Testing
 - Sinusoidal Harmonic Acceleration (SHA)
 - VOR Suppression
 - Velocity Step Rotation

- Video Head Impulse Test (vHIT)
 - Lateral
 - RALP
 - LARP
 - Interpretation & Considerations

Lunch (on your own)

Afternoon Session 1:00 PM – 6:00 PM (Break 3:30 – 3:45 PM)

- vHIT (*continued*)
 - Lateral
 - RALP
 - LARP
 - Interpretation & Considerations

- Vestibular Evoked Myogenic Potentials (VEMP)
 - Cervical (cVEMP)
 - Ocular (oVEMP)
 - Clinical Applications

- Integration of Test Findings
 - Putting it all together: Case Studies