Salalah, Oman August 27-29, 2018 dizzy.com/oman		estibular Assessment & Management International Certification Workshop Schedule		American Institute of Balance	
	DAY #1	DAY #2		DAY #3	
		Evaluation & Assessment Protocols: bedside protocols and with technology, e.g., Video Head Impulse Test, Dynamic Visual Acuity Test and Functional Head Impulse Test		Learning Lab	Learning Lab
9:00 - 10:30	Welcome and Introduction Anatomy and Physiology of the Vestibular System Understanding Sensory Integration of Equilibrium			Vestibular Diagnostic Tests for Rehabilitation specialists	ABR ECoG VEMP
10:30 - 11:00	BREAK				
11:00 - 12:00	Common disorders affecting vestibular and balance function	Postural Stability Tests and with technology, e.g., Computerized Dynamic Posturography		Vestibular Diagnostic Tests	ABR ECoG VEMP
12:00 – 1:00					
1:00 – 3:00	Learning Lab	Learning Lab	Learning Lab	Vestibular Rehabilitation Therapy: Diagnosis Based Strategies Lecture and Demonstration	
	Benign Paroxysmal Positional Vertigo (BPPV) - Lecture and Demonstration	Cervical Assessment & Treatment	Rotary Chair VNG		
3:00 - 3:30	BREAK				
3:30 - 5:30	Benign Paroxysmal Positional Vertigo (BPPV) - <i>Manual Practice</i>	Cervical Assessment & Treatment	Rotary Chair VNG	Vestibular Rehabilitation Therapy: Diagnosis Based Strategies <i>Manual Practice</i> Case Studies and Putting It All Together	

Vestibular Assessment and Management International Certification Workshop

Course Director: Richard E. Gans, Ph.D. & Alfarghal Mohamad, MD, MSc, AuD *Faculty:* Steven E. Spinks, PT, DPT, OCS, COMT, FAAOMPT, Tamim Al Ali, MD, Walid Omer, MD, Faisal Mubarak, DSc, and Danah Alyahya, DSc

Day 1 9:00 am – 5:30 pm

Morning Session: 9:00 am - 12:00 pm (Break 10:30-11:00 am)

- Welcome and Introduction
- Anatomy and Physiology of the Vestibular System
 - Peripheral
 - o Central
- Understanding Sensory Integration of Equilibrium
 - Vestibular Reflex systems
 - Vestibulo-ocular (VOR)
 - Corrective Saccades
 - o Nystagmus Definitions and Videos
 - Vestibulo-spinal (VSR)
 - Vestibulo-collic (VCR)
- Common disorders affecting vestibular and balance function
 - o Concussion
 - Migraine
 - Psychological Considerations
 - Otologic
 - o Trauma
 - Toxicity
 - Neurologic
 - Rheumatology/Autoimmune
 - o Cervicogenic
 - o Other

Lunch 12:00 pm – 1:00 pm

Afternoon Session: 1:00 - 5:30 pm (Break 3:00 - 3:30 pm)

- Benign Paroxysmal Positional Vertigo (BPPV)
 - Pathophysiology of BPPV
 - Evaluation of BPPV and Nystagmus Patterns
 - Importance of Vertebral Artery Screening Test (VAST)
 - Demonstration of Canalith Repositioning Maneuvers (CRM)
 - Manual practice hands-on CRMs
 - Posterior/Anterior Canal
 - Modified Canalith Repositioning (CRM Epley/Herdman style)
 - Semont Liberatory Maneuver (SLM)
 - o Gans Repositioning Maneuver (GRM)

- Horizontal Canal
 - o Appiani
 - o Casani
 - o Horizontal Hybrid Maneuver
- CRM Treatment Considerations
 - Restrictions Post BPPV treatment
 - Complications of treatment

Day 2 9:00 am - 5:30 pm

Morning Session: 9:00 am - 12:00 pm (Break 10:30-11:00 am)

- Evaluation & assessment protocols
 - Stabilized vs. Non-stabilized
 - o Compensated vs. Non-compensated
 - Goals and plan of care
 - Clinical Pathways
 - Patient interview
 - Pertinent medical history
 - Selecting appropriate vestibular evaluation tests
 - o Clinimetrics
 - Postural Stability
 - Computerized Dynamic Posturography
 - o Bedside gaze assessment
 - o Head Thrust
 - Video Head Impulse Test (vHIT)
 - o Dynamic Visual Acuity
 - Bedside Optokinetic Test
 - Motion Sensitivity Index

Lunch 12:00 pm – 1:00 pm

Afternoon Session: 1:00 – 5:30 pm (Break 3:00 – 3:30 pm) Break Outs- Physiotherapists 1:00 - 5:30 pm

- Cervical Assessment & Treatment
 - Incidence and Prevalence
 - Subjective History
 - $\circ \quad \text{Objective Examination} \\$
 - Upper Cervical Instability (UCI)
 - Sharp-Purser Test
 - Alar Ligament Stress Test
 - Transverse Ligament Test
 - Cervical Dizziness
 - o Cervical Proprioception Testing
 - o Joint Position Sense
 - Treatment: Hands on

Break Outs- Audiologists 1:00 – 5:30 pm

- Kinetic Rotary Chair
- VideoNystagmography (VNG)
 - Protocols
 - Interpretation

Day 3 9:00 am – 5:30 pm

Morning Session: 9:00 am - 12:00 pm (Break 10:30-11:00 am)

Break Outs- Physiotherapists: 1:00 – 3:00 pm

• Vestibular Diagnostic Tests for Physiotherapists

Break Outs- Audiologists 1:00 – 3:00 pm

- Auditory Brainstem Response (ABR)
- Electrocochleography (ECoG)
- Vestibular Evoked Myogenic Potentials (VEMP)

Lunch 12:00 pm – 1:00 pm

Afternoon Session: 1:00 – 5:30 pm (Break 3:00 – 3:30 pm)

- Vestibular Rehabilitation Therapy (VRT): Diagnosis Based Strategies
- Theories of Adaptation, Habituation and Substitution
- Evidence-based Clinical Pathways: Using VRT protocols and creating patient-centered therapy
 - o Identification of functional impairment by categories
 - Oscillopsia
 - Vestibular Recruitment
 - Vestibular visual integration-vision/surface dependence
- Building and Implementing VRT Protocols
- Manual Practice
- Case Studies

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

