



otometrics



GÉNIEAUDIO

REVOLUTIONIZE VESTIBULAR ASSESSMENT

500
Canadian
Dollars

Speakers



Kamran Barin, PhD



Kristen Janky, PhD



Brad Hubbard, MD



May 27, 9:30 am–6:30 pm
May 28, 8:00 am–6:00 pm

Trillium Health Partners – Mississauga Hospital
100 Queensway West, Mississauga, Ontario
Auditorium A -Wing J
Auditorium B- Wing J
L5B 1B8

**TO REGISTER CALL
GÉNIE AUDIO AT 866.455.4755**

COURSE DESCRIPTION

This course provides practical information necessary to make the VNG/ENG test, video head impulse, VEMP, and EcoG an effective part of the diagnostic process. It begins at a basic level and proceeds systematically through more challenging topics as each step in the administration of the tests are discussed in detail, including instructions to the patient, effect of medications on the test results, and identifying and recording of disconjugate eye movements. For each part of the test, tracings and video clips of both normal and abnormal findings are discussed. Simple rules and procedures are described to distinguish valid results from artifacts and to avoid common errors.

Experts in the field also will discuss how incorporating the video head impulse test (vHIT), electrocochleography (EcoG), and vestibular evoked myogenic potentials (VEMP) in the vestibular test battery has the potential for full and independent assessment of all of the structures in the peripheral vestibular system. Participants will learn how cervical and ocular VEMPs, EcoG, and vHIT can identify lesions in the three semicircular canals, utricle, saccule, and two branches of the vestibular nerve in each ear. The participants will also have the opportunity to experience vHIT testing first hand.

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AGENDA

9:00 – 9:30 a.m.	Registration	DAY ONE
9:30 – 10:30 a.m.	Basics of VNG/ENG, eye movement recording, patient management, pretest examinations	
10:30 – 10:45 a.m.	Break	
10:45 – 11:30 a.m.	Overview of VNG/ENG, pathophysiology of oculomotor disorders, performing and interpreting the saccade test	
11:30 – 12:30 p.m.	Performing and interpreting the tracking, and optokinetic tests	
12:30 – 1:30 p.m.	Lunch (included)	
1:30 – 2:30 p.m.	Performing and interpreting the gaze test	
2:30 – 3:30 p.m.	Performing and interpreting static position test	
3:30 – 3:45 p.m.	Break	
3:45 – 4:45 p.m.	Performing and interpreting the dynamic position test,	
4:45 – 5:45 p.m.	Pathophysiology and treatment of BPPV	
5:45 – 6:30 p.m.	Performing and interpreting the caloric test	
6:30 p.m.	Adjournment	
7:30 – 8:00 a.m.	Registration	DAY TWO
8:00 – 9:00 a.m.	EcoG procedure, physiology, interpretation	
9:00 – 10:15 a.m.	cVEMP, oVEMP, procedure, physiology, interpretation	
10:15 – 10:30 a.m.	Break	
10:30 – 11:15 a.m.	cVEMP, oVEMP, procedure, physiology, interpretation (cont.)	
11:15 - Noon	Demonstration of EcoG & VEMP	
Noon – 1:00 p.m.	Lunch (included)	
1:00 – 3:00 p.m.	vHIT procedure, physiology, and interpretation	
3:00 – 3:15 p.m.	Break	
3:15 – 4:00 p.m.	Case Studies	
4:00 – 5:00 p.m.	Pearls for the Exam of the Dizzy Patient	
5:00 – 6:00 p.m.	Hands-on practice with ICS Impulse	

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LEARNER OUTCOMES

- Perform and analyze the VNG/ENG test accurately and more efficiently.
- Identify abnormal findings in different parts of VNG/ENG and describe their clinical significance.
- Recognize and avoid common errors and artifacts in VNG/ENG.
- Recognize the need for other vestibular tests, such as head impulse, rotation, and VEMP testing and correlate their findings with VNG/ENG results.
- Gain practical experience in performing, analyzing and interpreting the VNG/ENG test.
- Gain practical experience with the diagnosis and treatment of BPPV.
- Describe the physiologic basis of vHIT and how it can determine the side of lesion.
- Identify overt and covert saccades and describe their clinical significance.
- Define the interpretation criteria for vHIT and differentiate between normal and abnormal responses.
- Describe the difference between cervical and ocular VEMP and the pathways assessed by each test.
- Describe the cVEMP and OVEMP result for vestibular neuritis patients with the involvement of superior, inferior, or both branches of vestibular nerve.
- Describe the VEMP findings in Meniere's disease and superior canal dehiscence.



Audiology Systems is approved by the American Academy of Audiology to offer Academy CEUs for this activity. The program is worth a maximum of 1.4 CEUs. Academy approval of this continuing education activity is based on course content only and does not imply endorsement of course content, specific products, or clinical procedure, or adherence of the event to the Academy's Code of Ethics. Any views that are presented are those of the presenter/CE Provider and not necessarily of the American Academy of Audiology.

THIS COURSE IS OFFERED FOR UP TO 1.4 AAA CEUS (INTERMEDIATE LEVEL, PROFESSIONAL AREA).



This course is approved for 14 Tier 1 certification hours. Please note, Tier 1 continuing education (CE) hours apply only for participants that are certified by the American Board of Audiology.



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