

Vestibular Integration Strategies

One Day Live Course Combined with
an Online DVD Homestudy
(18 hours of Continuing Education)

Call 1-800-300-5512 or Go online to register:

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About the Educator

Barry Morgan, PT received a BS degree in Anatomy from West Texas State University and a BS degree in Physical Therapy from the University of Texas. Since 1986, he has practiced in a variety of neurologic and orthopedic settings. He is currently working independently as a vestibular therapist and balance consultant in his own practice and has been a national seminar educator since 2003. He has extensive experience in interpretation of vestibular testing, computerized balance testing, video nystagmography and oculomotor testing. Barry finished a competency based course on vestibular rehabilitation from Herdman in 2004. He is highly skilled in the evaluation and treatment of patients with vestibular disorders and concussion syndromes. He has worked closely with the U.S. Military treating returning injured soldiers with vestibular and concussion injuries. In addition, he treats concussion injuries in the athletic population. He was involved in an NIH grant study on motion illness in 2006, and has also published research on BPPV in the Neuro-Otology Journal in 2007. Current research interests include vestibular treatment algorithms for a variety of vestibular conditions and continued BPPV research. He has presented several community education courses on balance and fall prevention and has provided free screening services for many local health fairs attempting to raise the awareness for the need for proactive exercise for elderly abatement of dizziness and imbalance, and proper diagnosis of conditions involving the vestibular system.



Presented by Barry Morgan , PT

PT, OT, PTA and ATC - Continuing Education Course

North American Seminars, Inc.
1-800-300-5512 | Fax 1-800-310-5920
www.healthclick.com

Why You Should Attend This Course

This one day intermediate level course blends homestudy training from a professionally filmed and mastered DVD with online access as well as face to face interactive instruction including hands on lab sessions. The course has been carefully designed to maximize the learning experience by combining the self-paced online/DVD home study material with a focused hands-on training session in the classroom.

This course will provide the practitioner algorithmic problem solving skills needed to evaluate and treat dizziness and imbalance. A major emphasis will be placed on how to develop differential diagnosis skills when performing a comprehensive evaluation for a variety of vestibular diagnoses. Significant time will also be focused on developing an effective adaptable progressive plan of care with successful outcomes. A variety of current patient case studies will be thoroughly evaluated to assist with putting all the information together in a practical manner. Extensive time is provided for the evidence based reasoning behind the utilization of specific evaluation and treatment techniques, in addition to hands on laboratory sessions to master the ability to perform each evaluation and treatment technique.

Integrative hands-on labs are interspersed throughout the day and will allow participants to practice and easily apply evaluation techniques and treatment strategies to their clinical practice with these populations. This course will prepare the clinician to evaluate and treat with minimal equipment.

Supporting written material is provided for the online as well as live training sessions, and a detailed DVD is provided for self-paced offline learning and reference. Specifically, participants will receive a comprehensive manual containing information on the evidence-based practice of vestibular rehabilitation and a professionally filmed and mastered DVD with online access.

This course is offered to Physical Therapists, Physical Therapist Assistants, Occupational Therapists, Occupational Therapist Assistants, and Physician Assistants.

Course Objectives

- Describe the anatomical, physiological and pathophysiological structures of the vestibular system.
- Describe how balance and movement information is processed.
- Identify the different mechanisms available for recovery (compensation, adaptation, substitution) and how they can be utilized to prescribe effective progressive plans.
- Identify nystagmus types and assist in their correct diagnosis and thus treatment for central and vestibular disorders.
- Perform specific BPPV tests and treatments with proficiency demonstration.
- Perform evaluations and progressions for oculomotor, vestibular and balance function with proficiency.
- Perform specific oculomotor and vestibular function testing and understand the implications of the findings.
To include: Neutral primary gaze position test, eccentric gaze holding test, ocular ROM/Mobility/Motility test, smooth pursuit test, saccadic eye movement test, vergence test, optokinetic nystagmus test, Vestibulo-ocular reflex test(slow), cross cover test, head thrust test/head impulse test(HIT), head shake test(HST), vestibulo-ocular cancellation testing.
- Perform over twenty eight vestibular examination techniques and twenty three vestibular treatment techniques.
- Recognize nystagmal variations and assist in the correct diagnosis and treatment in vestibular disorders, especially BPPV and its variant resistant forms.
- Perform specific BPPV tests (such as Dix-Hallpike, Sermount Maneuver, Gufoni Maneuver, and decide appropriate treatment options including traditional and newly emerging alternative treatment options.
- Apply information gathered from detailed history, evaluations and tests and develop appropriate algorithmic plans of care.

7:30	8:00	Registration
8:00	8:10	Pre Test
8:10	9:15	Vestibular system overview Anatomy <ul style="list-style-type: none"> • Understanding the membranous Labyrinth • Understanding the otoliths • Understanding the semicircular canals in normal & pathological conditions • Detailed descriptions of BPPV • Understanding the vestibular nerve connections to CNS in normal & pathological conditions Physiology <ul style="list-style-type: none"> • Angular acceleration of the SCCs • Linear acceleration of the otoliths • Ocular stability and its importance for proper vestibular function • How all combined systems assist with postural and balance control • Understanding how pathological conditions affect the physiology and function • Mechanisms of recovery
9:15	10:00	Nystagmus <ul style="list-style-type: none"> • Definition • Description and nomenclature • Central vs peripheral • Demo and video examples of common types • BPPV <ul style="list-style-type: none"> - Canalithiasis / cupulolithiasis - Horizontal, anterior, posterior - Video lab determining site of involvement (“read the eyes”)
10:00	10:15	Break
10:15	11:00	Oculomotor overview <ul style="list-style-type: none"> • Oculomotor evaluation / lab for: <ul style="list-style-type: none"> - Multidirectional end gaze - Pursuits - Saccades • Video lab for oculomotor dysfunction examples • Oculomotor treatment prescription lab and hands-on practice • Treatment starting point discussions • Progressional / regressional treatment ideas

11:00	12:00	Vestibular evaluation components <ul style="list-style-type: none"> – demo and lab • Vestibulo-ocular reflexes • Cervical reflexes • Specialized vestibular tests • Balance function tests
12:00	1:00	Lunch (On your own)
1:00	2:00	Vestibular treatment prescription lab and hands-on practice <ul style="list-style-type: none"> • Starting point discussions • Progression / regression ideas
2:00	3:00	Common diagnoses and specific treatment ideas for each: <ul style="list-style-type: none"> - Vestibular hypofunction - Neuritis events - Meniere’s - Migraine associated dizziness/ vestibular migraine - Concussion: thoughts and treatment ideas and the role of the vestibular therapist - Imbalance in all populations
3:00	3:15	Break
3:15	3:45	BPPV overview <ul style="list-style-type: none"> • Specific diagnosis, tests demo, tests modifications, type determination
3:45	4:45	BPPV tests and treatment lab <ul style="list-style-type: none"> • Posterior canal • Horizontal canal • Anterior canal • Demo of common tests / treatment mistakes
4:45	5:15	Case studies <ul style="list-style-type: none"> • BPPV • Balance/gait dysfunction • Viral neuritis • Concussions
5:15	5:30	Question & Answer



In addition to the NAS cancellation policy, this hybrid course requires participation in the self study and live portions of the course. If for some reason the live portion is cancelled due to an Act of War or God or issues beyond our control OR the participant needs to cancel the live portion of the course then partial ceu course credit will be provided for the self study portion (10 hours/1.0 contact hours).



Live One Day, Cont’d

Online Self-Study

Understanding the underlying mechanism of a disorder is the first step to establishing a positive outcome in an efficient time frame. This DVD- online course is a visually engaging way to enhance your clinical knowledge with vestibular dysfunction. The High quality, technique oriented, professionally filmed material is supported by evidence based written information. The Online Information and DVD will provide you with Step by step instruction for enhancing evaluation and treatment techniques.

Oculomotor-Central Test

- Neutral primary gaze position test
- Ocular ROM/Mobility/Motility test
- Saccadic eye movement test
- Optokinetic nystagmus test
- Eccentric gaze holding test
- Smooth pursuit test
- Vergence test

Vestibular Evaluation

- Vestibular testing sequencing
- Vestibulo-ocular reflex test(slow)
- Head thrust test/head impulse test(HIT)
- Head shake test(HST)
- Cross cover test
- Vestibulo-ocular cancellation testing
- Vestibulo-ocular reflex cancellation test enbloc
- Determination as to DVA testing need
- Dynamic visual acuity

BBPV Evaluation

- Prescreen before BBPV tests
- Dix- Hallpike test right BBPV V(standing) and Difficulties transitioning into an Epley Rx maneuver
- Dix-Hallpike right clinician sitting
- Dix-Hallpike right clinician stand to sit
- Dix-Hallpike right clinician stand to squat position
- Dix-Hallpike right test modified in sidelying
- Dix-Hallpike modification “deep DH” for anterior canal suspicions
- Dix-Hallpike equipment ideas
- Dix-Hallpike wheelchair option
- Dix-Hallpike test right BBPV
- Roll test for horizontal canal BBPV

BBPV Treatment

- Left standard Epley Maneuver Rx
- Improper Epley pitfalls
- Common Problem Epley
- Modified Epley Sidelying left
- Semont Maneuver right posterior canal
- Semont Maneuver Right Anterior canal
- Brandt-Daroff Rx for posterior canal
- Left Horizontal canal “BBQ” roll
- Gufoni maneuver for Left horizontal canal canlithiasis
- Gufoni maneuver for Right horizontal canal cupulolithiasis
- Modified Semont for Right Horizontal canal cupulolithiasis
- Forced Prolonged Positioning(FPP)
- In bed Epley modification

Oculomotor/Central Treatment and Vestibular Treatment

- Intro/discussion preface before Oculomotor- vestibular drills
- Targets use
- Saccadic drill clinician based drill
- Vergence drill
- Cervico-ocular drill
- Vestibulo-ocular reflex cancellation drill
- Vestibulo-ocular reflex drill x1
- Saccadic eye movement drill
- Anti-saccadic eye movement
- Pursuits oculomotor drill
- Cervical kinesthesia drill

BM15

Registration Form

Vestibular Integration

Registration Fee: \$

One day Live Course with Online/DVD

Send tuition to: North American Seminars, Inc.

2000 Mallory Lane Suite 130-67 Franklin, TN 37067

1-800-300-5512 Fax 1-800-310-5920 www.healthclick.com

Profession

Name

Home

Address

City

Zip

State

Credit Card

Exp.date

Phone (required)

e-mail (required)

Location of attendance

All cancellations must be submitted with written notice and received 14 days prior to the course date. Refunds and transfers minus the deposit fee of \$75.00 are provided until 14 business days prior to the course date. No refunds or transfers will be issued if notice is received after 14 days prior to the course date. North American Seminars, Inc. reserves the right to cancel any course and will not be responsible for any charges incurred by the registrant due to cancellation. A full course tuition refund will be issued if NAS cancels the course. NAS reserves the right to change a course date, location or instructor. No refund will be issued if course is in progress and is interrupted by an Act of War or God or issue beyond our control. NAS, Inc. will not be responsible for any participant expenses other than a course tuition refund for course cancellations.