

Directional Postural Control Assessment and Strategic Weighting to Control Balance



Overview

Directional balance and postural control loss is evident in the elderly, and in those with orthopedic and neurological conditions. Rehabilitation clinicians focus treatment on improving postural control. During this introductory evidence-based course a new assessment and treatment option called Balance-Based Torso-Weighting is offered to direct the clinician to pay attention to directional instability. Stabilizing the torso affects distal mobility in both upper and lower extremities and crosses into both PT and OT specialties. All clinicians depending on their educational level will find the information useful. The PT and OT will utilize the assessment and treatment to improve balance and daily activities as well as manage equipment for the patient. The PTA and OTA while treating the patient can assess the outcome of the weighting and relay information to the PT or OT on how the patient is responding to their specific treatments.

During the class the clinician will learn objective tests to determine both static and reactive control of the torso. The treatment consists of strategically weighting the torso to improve balance and mobility. Participants will have ample opportunity to practice the patented assessment and strategic weighting technology using the BalanceWear Assessment Device on themselves and then integrate learning with volunteer patients.

- Measure perceptual and dynamic directional loss
- Recite research evidence of weighting applications
- Practice BBTW directional static and dynamic assessment
- Apply strategic weighting according to BBTW
- Analyze differences in qualitative and quantitative measures with and without BBTW
- Determine if a patient benefits from rigid vs. soft neuro-sensory device
- Practice fitment and measurement of balance orthotics
- Document weight placement and size measurements
- List indications for lumbar orthotics
- Demonstrate knowledge of technology on volunteer patients and instructor

Testimonials:

"I don't have to think to move"

Mary – a patient with MS

"It's like a light bulb went on in my brain"

Brit – a patient-status post brainstem surgery

"It's like it holds you together"

George – a patient with Parkinson's Disease

A Certificate of Completion will be issued at the conclusion of this session providing 19.5 contact hours. Wheaton Franciscan Rehabilitation Services is a WISHET (Wisconsin Society for Health Education and Training) provider.

Location (for Hands On Sessions):
Ascension Wisconsin St. Francis Outpatient Center
Rehabilitation Dept. 4th Fl.
3237 S. 16th Street
Milwaukee, WI 53215

Times:

Pre Webinar: Pre-recorded, distributed by instructor
3.5 hours

Hands on Lab with Patients

Day 1

September 29, 2018
8:00 am - 5:30 pm CST

Day 2

September 30, 2018
8:30 am - 5:30 pm CST

Post Webinar: TBD

Target Audience

Intermediate level class designed for PT, PTA, OT and OTA

Instructional Ratio

16:1 Max enrollment 16

Continuing Competence/Education Units

Wisconsin



Application in process.

Participants will practice with the BalanceWear assessment device.

- » Six 1/2 pound weights
- » Five 1/4 pound weights
- » Four 1/8 pound weights



Seminar Outline

Directional Postural Control Assessment and Strategic Weighting to Control Balance

Pre Webinar - 3.5 hours

- Introduction to Balance-Based Torso-Weighting: BBTW
- Review The Evidence
- Translate Research to Clinical Applications
- Identify Static Directional Loss
- Identify Reactive Control Loss
- Documentation of Loss of Balance

Watching the Webinar is mandatory and will allow attendee to gain maximum benefit from the live hands-on portion of the seminar. **Information on how to access the Webinar will be emailed to attendee after registration.**

Hands On Lab with Patients

Day 1 - September 29 - 8:30 am - 5:30 PM CST

Registration: 8:00 - 8:30

8:30 - 10:00 Lab Directional Balance Assessment

10:00 - 10:15 Break

10:15 - 11:30 Lab Targeting Sensory Input for Directional Balance Control

11:30 - 12:00 Lab Practice Sensory Versus Rigid LSO

12:00 - 12:45 Lunch Break

12:45 - 1:15 Sitting Perturbation and Strategic Weighting

1:15 - 2:30 Instructor Demonstration with Volunteer Patient

2:30 - 3:00 Measurement and Fitment

3:00 - 3:15 Break

3:15 - 4:45 Volunteer Patient Lab

4:45 - 5:30 Case Presentations

Day 2 - September 30 - 8:30 am - 5:30 PM CST

8:30 - 9:00 Review and Questions from Day 1

9:00 - 10:30 Volunteer Patient Lab

10:30 - 10:45 Break

10:45 - 12:00 Volunteer Patient Lab

12:00 - 12:30 Case Presentations

12:30 - 1:15 Lunch Break

1:15 - 2:30 Volunteer Patient Lab

2:30 - 2:45 Break

2:45 - 4:00 Volunteer Patient Lab

4:00 - 4:30 Case Presentations

4:30 - 5:00 Demonstrate Technique on Instructor and Test

5:00 - 5:30 Questions and Answers

Post Webinar -

1 hour, Post-Webinar Clinical Case Review - TBD

Registration Form

BBTW Seminar:

Ascension Wisconsin St. Francis Outpatient Center

Name: _____ PT OT Other

Identifying name of your group
(if applicable) _____

Clinical Focus: _____

Phone No.: _____

Name of Institution, Company or Facility:

Address: _____

City: _____ State: _____ Zip: _____

Email Address: _____

Send registration to:

Motion Therapeutic, Inc.
PO Box 13242
Oakland, CA 94661

888.330.2289 Voice
510.254.3371 Fax
cindy@motiontherapeutics.com

Seminar Price: \$425

BalanceWear Assessment kit needed to assess clients in your clinic: \$450

Or register on-line at:
www.motiontherapeutics.com

Refund & Cancellation Policy: Motion Therapeutics, Inc. reserves the right to cancel or reschedule this seminar on one (1) week's advanced notice due to an insufficient number of registrants or other unforeseen circumstances. Under these circumstances, seminar fees will be returned in full to the registrant. Please note that Motion Therapeutics, Inc. is not responsible for any participant expenses other than a refund of the seminar fee. All participant cancellations must be received in writing 10 days before the first day of seminar for full refund. For cancellations received 10 days or less before the first seminar day, the seminar fee will be returned less a \$100 administrative fee.

Cynthia Gibson-Horn PT, a graduate of University of



Wisconsin, developed BBTW in her clinical practice. Gibson-Horn sought the help of Dr. Gail Widener PT, PhD and Dr. Rolando Lazaro PT, PhD and Dr. Diane Allen PT, PhD to complete three research projects in Multiple Sclerosis and one in Parkinson's disease to provide evidence for practice. She has presented (BBTW) research at several International, National and Local meetings. She designed and patented strategic weighting products. She is active in private practice and works for Motion Therapeutics.