

## Balance-Based Torso-Weighting® - Augmenting Sensory Information Via the Trunk



### Overview

The elderly and people with balance loss due to neurological diagnoses such as MS, neuropathy, Parkinson's, CVA, TBI, Vestibular, CP, down syndrome, and those with ataxia among others often have mobility challenges.

Motion Therapeutics developed Balance-Based Torso-Weighting (BBTW®), a unique and effective system to effectively assess and treat directional balance loss.

During this class the clinician will learn the static and dynamic assessment tests and weighting strategies to immediately improve a patient's balance same session.

Participants will have ample opportunity to practice the patented assessment and strategic weighting technology using the BalanceWear Assessment Device.

### Learning Objectives

- Identify ways to measure perceptual and dynamic directional loss
- Recite evidence of weighting applications
- Practice BBTW directional imbalance assessment
- Apply strategic weighting according to BBTW
- Analyze differences in qualitative and quantitative measures with 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
- Design exercise programs for balance problems using BBTW
- List indications for lumbar orthotics
- Demonstrate strategic weight placement via case studies and Volunteer participants

### 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

**Location** (for Hands On Sessions):

**Appleton North High School**  
 5000 N Ballard Rd,  
 Appleton, WI 54913

### Times:

#### Pre Webinar

Tues., July 29, 7:00pm - 9:30pm CDT

#### Hands on Lab with Patients - 2 days:

Wednesday, Aug. 13, 6:00pm - 9:00pm  
*(Registration is 5:30pm - 6:00pm)*

Thursday, Aug. 14, 8:30am - 5:00pm  
*(Registration is 8:00am - 8:30am)*

#### Post Webinar

Tues., Sept 9, 7:00pm - 8:00pm CDT

**Tuition: \$300**

### Target Audience

This intermediate level class is designed for PT and OT clinicians.

### Instructional Ratio

16:1 Max enrollment: 16

### Continuing Competence/Education Units

**15 CCUs in:** Alabama, Arizona, Arkansas, California, Delaware, District of Columbia, Georgia, Indiana, Iowa, Kansas, Kentucky, Maine, Montana, Nebraska, North Carolina, Oregon, South Carolina, Tennessee, Utah, Vermont, Virginia, Washington, and Wisconsin.

**13.5 CEUs in:** Florida and Pennsylvania.

### Participants will practice with the BalanceWear assessment device.

- » Adjustable vest
- » Rigid orthotic
- » Two ¼ pound weights
- » Five ½ pound weights
- » Manual marker
- » Tape measure



## Seminar Outline

### Balance-Based Torso-Weighting: Augmenting Sensory Information

#### Pre Webinar - 2.5 hours

Tues., July 29, 7:00 - 9:30pm CDT

It will be recorded for people who can't attend live webinar.

- Introduction to Balance-Based Torso-Weighting: BBTW
- Review the evidence
- Discuss clinical application
- 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 - Wednesday, Aug. 13 (BBTW technique review)**

Registration: 5:30pm - 6:00pm

Class: 6:00pm - 9:00pm

Directional loss of balance Lab

- Document Partner's Loss of Balance
- Refine Perturbation Techniques

Discuss clinical weighting strategies

- Practice weighting participants

Determine fit of orthotic

**Day 2 - Thursday, Aug. 14 (Lab with patients)**

Registration: 8:00am - 8:30am

Class: 8:30am - 5:00pm

8:30 - 9:00 Directional Balance loss in patients

9:00 - 10:00 Patient demonstration

10:00 - 10:15 Break

10:15 - 11:45 Lab with volunteers

11:45 - 12:45 Lunch

12:45 - 3:45 Lab with volunteers

3:45 - 4:00 Break

4:00 - 5:00 Review and questions

#### Post Webinar - 1 hour - Clinical patient review

Tues., Sept. 9, 7:00 - 8:00pm CDT

This will also be recorded.

## Registration Form

### BBTW Seminar

### Appleton North High School, Appleton, WI

Name: \_\_\_\_\_  PT  OT

Identifying name of your group

(if applicable) \_\_\_\_\_

Clinical Focus: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Name of Institution, Company or Facility:

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

**Tuition:** \$300

#### Discounts:

- \$25 discount for early registration before August 1, 2014
- \$250.00 for 2 two or more therapists from same clinic
- If your clinic/practice buys a vest (\$399) you will receive \$50 off the price of the class (one per clinic).

#### Send registration to:

Motion Therapeutic, Inc.  
1830 Eastman Avenue  
Oxnard, CA 93030

888.330.2289 Voice

805.278.6609 Fax

david@motiontherapeutics.com

#### Or register on-line at:

[www.motiontherapeutics.com/appleton](http://www.motiontherapeutics.com/appleton)

Refund & Cancellation Policy: Motion Therapeutics, Inc. reserves the right to cancel or reschedule this seminar 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 cancellations must be submitted in writing. For cancellations received 7 days before the seminar date, the seminar fee will be returned less a \$25 administrative fee.

#### Faculty

**Cynthia Gibson-Horn PT**, a graduate of University of



Wisconsin, developed BBTW in her in 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.