

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



### Overview

People with neurological problems such as TBI, cerebral palsy, down syndrome and ataxia often have balance and mobility challenges. Motion Therapeutics has developed a unique and effective system to assess and treat these balance problems called Balance-Based Torso-Weighting (BBTW®).

During BBTW a clinician determines the directional loss of balance in static and dynamic tests. These classes teach clinicians the assessment and strategic weighting to improve directional loss of balance immediately during the same treatment.

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-stats post brainstem surgery

*"It's like it holds you together"*

**George** – a patient with Parkinson's Disease

### Location (for Hands On Sessions):

**Cardinal Hill Rehabilitation Hospital**  
Center of Learning  
2050 Versailles Road  
Lexington, KY 40504

### Times:

#### Pre Webinar

Tues., May 13, 7:00pm - 9:30pm EDT

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

Friday, May 16, 6:00pm - 9:00pm  
(Registration is 5:30pm - 6:00pm)

Saturday, May 17, 8:30am - 5:00pm  
(Registration is 8:00am - 8:30am)

#### Post Webinar

Wed., June 4, 7:00pm - 8:00pm EDT

### Tuition: \$300

### Target Audience

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

### Instructional Ratio

9:1 Max enrollment: 9

### CEUs

CEUs in Alabama, Arizona, Delaware, District of Columbia, Georgia, Indiana, Kansas, Kentucky, Montana, Nebraska, Oregon, South Carolina, Tennessee, Utah, Vermont, Virginia, Wisconsin are pending.

13.5 CEUs in Florida, Pennsylvania, California, Michigan, and North Carolina.

### 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., May 13, 7:00 - 9:30pm EDT

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 - Friday, May 16 (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 fitment of orthotic

**Day 2 - Saturday, May 17 (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 volunteer patients

11:45 - 12:45 Lunch

12:45 - 3:45 Lab with volunteer patients

3:45 - 4:00 Break

4:00 - 5:00 Review and questions

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

Wed., June 4, 7:00 - 8:00pm EDT

This will also be recorded.

## Registration Form

### BBTW Seminar

### Cardinal Hill Rehab, Lexington, KY

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 May 12, 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/cardinal-hill](http://www.motiontherapeutics.com/cardinal-hill)

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

**Dana Lykins** received her Doctorate of Physical Therapy from



the University of Kentucky. She has been practicing in the Lexington, KY area for 15 years, specializing in adult neurological physical therapy. Currently, Dana is a treating therapist for Baptist Health Lexington and therapy coordinator for Baptist Health Multiple Sclerosis Center. She is an adjunct faculty member for the University of Kentucky Physical Therapy program. Dana also serves on the Clinical Advisory Committee for the Kentucky-Southeast Indiana chapter of the MS Society and is a Multiple Sclerosis Certified Specialist.