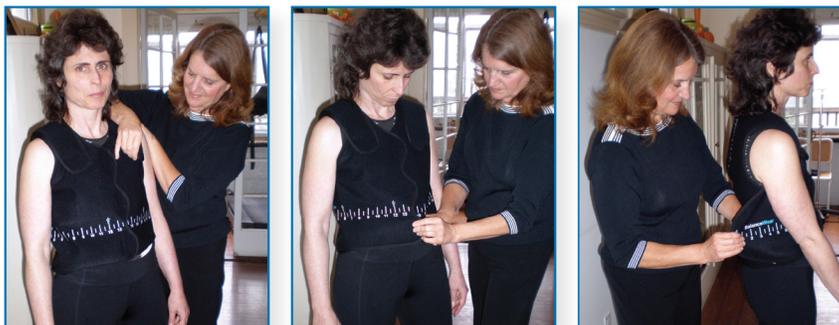


## BBTW – Directional Postural Control Assessment and Strategic Weighting to Control Balance



### 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 volunteer patients.

### Learning Objectives

- 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

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

**Reeves Rehabilitation Center**

4647 Medical Drive

San Antonio, TX 78229

2nd floor of the Express Med building right across from the University Hospital

**Times:**

Pre Webinar: Pre-recorded, distributed by instructor

**Hands on Lab with Patients -**

Day 1

March 4 2017 8:00am - 5:30pm CST

Day 2

March 5 2017 8:00am - 5:30pm CST

Post Webinar: March 22 7:00pm - 8:00pm CST

**Tuition: \$375**

**Target Audience**

Intermediate level class designed for PT, PTA, OT, AOTA

**Instructional Ratio**

16:1 Max enrollment 16

**Continuing Competence/Education Units**

Pennsylvania and Texas PT CEU pending

**ProCert :**

PT 17 CCUs in: Alaska, Arizona, Arkansas, California, Delaware, Georgia, Hawaii, Illinois, Indiana, Kansas, Kentucky, Michigan, Mississippi, Missouri, Montana, Nebraska, North Carolina, North Dakota, Oregon, South Carolina, Tennessee, Utah, Vermont, Virginia, Wisconsin, Colorado

Acceptance PT New Jersey (14.5)

**Assesment kit recommended to practice BBTW**

Participants will practice with the BalanceWear assessment device

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



BalanceWear is indicated for individuals with mobility difficulties associated with loss of postural control/alignment and balance

## Seminar Outline

### Augmenting Sensory Input to the Torso for Directional Balance Control with Balance-Based Torso-Weighting (BBTW)

**Pre Webinar** - 2.5 hours

Pre-recorded and distributed by instructor.

- 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 – March 4 8:00 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 – March 5 2017 8:00 am - 5:30 PM CST

Registration: 8:00 - 8:30

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

March 22 7:00 pm – 8:00 pm CST– Will also be recorded

## Registration Form

### BBTW Seminar: Reeves Rehabilitation Center

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: \_\_\_\_\_

Note: Email address must be valid for at least three months

**Tuition: \$375**

Please indicate your preferred communication method:

Text Message Phone number: \_\_\_\_\_

Phone call

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

Paper mail Address: \_\_\_\_\_

### Send registration to:

Motion Therapeutics, Inc. | 888.330.2289 Voice  
1830 Eastman Avenue | 805.278.6609 Fax  
Oxnard, CA 93030 | david@motiontherapeutics.com

**Or register online at [motiontherapeutics.com](http://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.

Cindy Gibson-Horn PT,



a graduate of University of Wisconsin, developed BBTW in her clinical practice. She collaborated with several researchers to complete three studies in Multiple Sclerosis, Parkinson's Disease, elderly, and ataxia. She has presented her work 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.