

LINKED: Breathing & Postural Control, Part 1

Dr. Mary Massery, PT, DPT, DSc

Faculty

Dr. Massery received her BS in Physical Therapy from Northwestern University in 1977, her DPT from the University of the Pacific in 2004 and her DSc from Rocky Mountain University in 2011. Her publications and interests focus on linking motor behaviors to breathing and/or postural mechanics in both pediatric and adult patient populations. Dr. Massery has been invited to give over 1,000 professional presentations in all 50 US states and in 18 countries worldwide, including more than 100 presentations for the American Physical Therapy Association. Mary's research pioneered the concept of managing trunk pressures as a new way to visualize core stabilization. She has delivered keynote and major addresses on topics such as cystic fibrosis and posture, pectus excavatum (chest deformities), connections between posture & breathing, and PNF (proprioceptive neuromuscular facilitation).

Mary has received national awards from the APTA, including its highest clinical award, The Florence Kendall Practice Award, honoring "one's outstanding and enduring contributions to the practice of physical therapy." She has been honored as Outstanding Alumnus of the Year by each of her 3 universities. She was also awarded Northwestern University's Alumnae Research Achievement Award. Mary continues to maintain a private practice in Chicago, specializing in breathing and postural dysfunction.

Financial Disclosures: Mary Massery receives a speaking fee from Education Resources and from the sale of her DVD's. **Non-Financial:** She has no non-financial relationships to declare.

Course Description

This course, developed by Mary Massery, proposes a new definition of "core stability," redefining it as the dynamic control of trunk pressures to optimize postural stability (balance). Dr. Massery's novel "soda pop can model" links breathing mechanics (including the vocal folds), to postural control using multi-system interactions. Part-1 lays foundational information and presents numerous quick interventions utilizing positioning and ventilatory strategies. Clinical cases will be used throughout the day to illustrate concepts. The course is applicable for any pediatric or adult patient (or therapist) who breathes! Participants are encouraged to follow up later with "LINKED Part-2," a two-day in-person lab course, assessing "normal" breathing patterns, learning neuromotor breathing retraining techniques, and learning manual assistive cough techniques.

Learning Objectives

- Describe how trunk pressures link breathing and postural control using the Soda Pop Can Model
- Describe the multiple, simultaneous roles of the diaphragm as related to breathing, postural control, gastroesophageal reflux, constipation, and venous return
- Demonstrate the role of the vocal folds in normal postural stability responses (balance) and make the case for using speaking valves for patients with tracheostomies
- Position patients for optimal physiological and biomechanical support of breathing with simple equipment (towels, pillows, etc.)
- Use a ventilatory strategy algorithm presented in class to optimally match breathing with movements from bed mobility to athletic endeavors
- Apply concepts to a wide variety of patient populations from infancy to geriatrics.

Audience

Designed for PTs, PTAs, OTs, OTAs, COTA and SLPs

Schedule Day 1:

9:15 am to 2:20 pm EST (US)

9:15 – 9:30	Webinar Registration/Zoom Course Opens
9:30 – 9:50	Discussion Overview of Course Topics & Logistics
9:50 – 11:10	Lecture Breathing and Posture: Pressure Control (Soda Pop Model)
11:10 – 11:20	Break
11:20 – 1:15	LAB: Positioning Strategies: What can you do in 90 Seconds or less that has a profound and lasting effect?
1:15 – 1:25	Break
1:25 – 2:10	Lecture Breathing and Posture: The Diaphragm's Many Roles
2:10 – 2:20	Discussion and Q&A – Wrap Up
2:20	Class Ends – Instructor will stay to answer questions

Testimonials

"I was amazed with the organization of this course and the creativity to facilitate discussion groups virtually! I learned so much and acquired skills that I can utilize right away within my treatment setting", - Stacey, OTR

"Mary Massery is extremely knowledgeable and provided information in a clear and concise manner. I will definitely be using many of the principles to better inform my practice." - Kristin Dedge, MOT, OTR/L

Schedule Day 2:

9:15 am to 1:15 pm EST (US)

9:15 – 9:30	Webinar Registration/Zoom Course Opens
9:30 – 9:50	Recap, Pearls, Sleep Homework and Q&A
9:50 – 11:15	Breathing and Posture: - The Internal Organs - The Vocal Folds
11:15 – 11:30	Break
11:30 – 1:05	LAB: Ventilatory/movement strategies: Integrating neuromuscular, musculoskeletal, respiratory and sensory systems. Problem solving session
1:05 – 1:15	Summary, next week's homework, further studies, Q&A
1:15	Class Ends – Instructor will stay to answer questions

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Credits

This course meets the criteria for 8 contact hours (0.8) CEUs, Intermediate Level.



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This course can be used toward your NBCOT renewal requirements for 8 units.

Approved provider of the FL Board of Occupational Therapy-CE Broker for 9.5 CE hours.

This course meets the approval of the TX Board of OT Examiners.



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Approved by the FL Physical Therapy Association for 9.5 continuing education contact hours.

This course has been approved by the MD State Board of Physical Therapy Examiners.

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Approved sponsor by the State of IL Department of Financial and Professional Regulation for Physical Therapy for 9.5 contact hours.

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8 hours of this course qualify towards the discipline-specific hours for the 20-hour requirement for NDTA re-certification. They do NOT qualify towards the 8-hour NDTA Instructor requirement for re-certification. Education Resources Inc. 266 Main St, Medfield, MA 02052 • 800-487-6530 Please contact us with any special needs requests: info@educationresourcesinc.com or 508-359-6533.

Webinar Dates & Times

April 21 and 22, 2023

9:15 am EST • 8:15 am CT • 7:15 am MST • 6:15 am PT (US)

Registration is for both sessions. Log-in instructions and course materials will be emailed/added to your ERI account 2-3 days prior to the first date of the webinar.



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LIVE WEBINAR: LINKED - Breathing & Postural Control, Part 1
Mary Massery, PT, DPT, DSc
 April 21 and 22, 2023

Course Registration Form

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