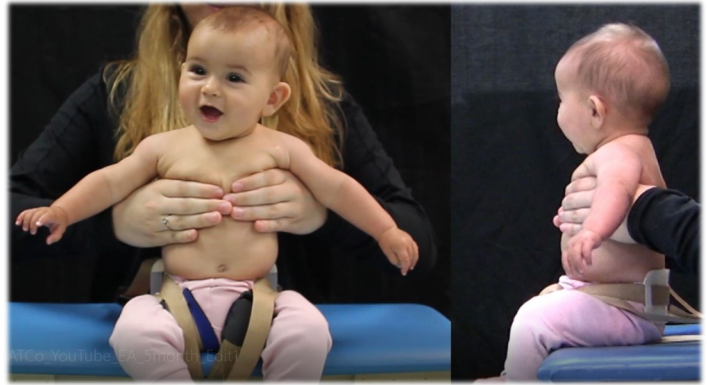




Easterseals DuPage & Fox Valley
Presents...

Segmental Approach to: Evaluation, Positioning and Intervention for Postural Control

Presented by
**Sandra Saavedra, PT, PhD &
MacKenzie Goode Roberts, DPT**



Dates & Location:

Friday, June 18th, 2021
Hosted by:

**Easterseals DuPage
&
Fox Valley**

FORMAT: Live Webinar*

CONFERENCE DESCRIPTION

This one-day course is designed for clinicians who have previously completed an introductory course for the Segmental Assessment of Trunk Control (SATCo) and want to discuss treatment and positioning strategies stemming from this assessment. Early research on the development of balance control and many clinical assessments of posture control consider the trunk as a single segment and follow a developmental progression from prone and supine to rolling, sitting, crawling and pulling to stand when training upright control. The SATCo offers a segmental approach which creates a paradigm shift with focus on incremental improvement of trunk control, training postural control in vertical alignment and specific attention to open and closed kinetic chain dynamics to reduce compensatory behaviors and enhance neurorecovery to gain postural control. Clinicians working with infants at risk for neuromotor deficits and/or treating children of any age with moderate-to-severe motor deficits will benefit from examples of ways to use a segmental approach to adapt positioning equipment, enhance functional performance and expand the child's capacity for upright control and active participation.

Participants will use open and closed kinetic chain theory from their previous SATCo course as a means of identifying and addressing postural control problems¹. This tool will enable clinicians to identify open and closed kinetic chains and how they relate to compensatory strategies used by children when control is compromised. These concepts are used to help clinicians recognize the impact of positioning decisions on upright postural control and function. Videos are used to demonstrate change in alignment and function when adaptations are made to positioning equipment. Video examples will be provided as a means of recognizing and discussing common compensatory strategies and for sharing examples of how to achieve open chain learning of upright control near the edge of the child's capacity.

TARGET AUDIENCE:

This course will be of interest to physical therapists, PT assistants, occupational therapists, OT assistants, Speech-Language Pathologists, special education teachers, pediatric motor control research teams and parents of children with deficits in trunk control **who have previously completed training in Administration and scoring for the Segmental Assessment of Trunk Control.**

About the Instructor:

Sandra Saavedra, PT, PhD, is a pediatric researcher and Associate Professor at the University of Hartford. She has more than 25 years of clinical experience as a pediatric physical therapist. Dr. Saavedra received her MS in Physical Therapy from University of Southern California, her PhD in Human Physiology from University of Oregon and completed postdoctoral research at University of Michigan. The concepts presented in this workshop were supported by grants from the National Institutes of Health (F31 NS056726; F32 HD068118; R03 DC013858) and National Science Foundation (DARE #1803714) exploring a segmental approach to understanding typical and atypical development of trunk control. She has 25 peer-reviewed publications. She played a major role in the refinement and validation of the Segmental Assessment of Trunk Control (SATCo) and is a national leader in researching, teaching and application of segmental principles to improve function. She serves on the Academy of Pediatric Physical Therapy Research Committee.

Disclosure Statement: Dr. Saavedra has the following relevant financial disclosures: she receives grant funding from the National Institute of Health and she receives a speaking honorarium from Easterseals DuPage and Fox Valley. She has no relevant non-financial relationship to disclose.

MacKenzie Goode-Roberts, DPT, is a pediatric physical therapist in the Pediatric NeuroRecovery Program at Frazier Rehab Institute, Louisville, KY with over 6 years' experience treating children with complex disability using an activity-based approach that incorporates segmental principles for training upright control. She is the primary author of a case report on effects of this approach on respiratory capacity, trunk control, and development in a child with severe spinal cord injury (SCI), co-author of a publication reporting the sensitivity and responsiveness of the SATCo in children with SCI, and co-author of a publication reporting the effect of activity-based therapy on neuromuscular capacity in children with SCI. She has presented at AAC-PDM and multiple other conferences via posters. She is a Senior Instructor for the course: 'Introduction to Locomotor Training: Principles and Practice' for both pediatrics and adults with spinal cord injury through NeuroRecovery Learning, Inc.

Disclosure Statement: MacKenzie Goode-Roberts has the following relevant financial disclosures: she receives grant funding from the National Institute of Health and she receives a speaking honorarium from Easterseals DuPage and Fox Valley. She has no relevant non-financial relationship to disclose.

COURSE OBJECTIVES

At the conclusion of this course, participants will be able to:

- Contrast a treatment strategy using a segmental approach and ongoing evaluation of open/closed chain behaviors to your previous or current approach to intervention for postural control.
- Describe implications of segmental trunk control on assessment and documentation of postural control.
- Describe how children with moderate-to-severe motor impairment use 'closed chain' biomechanics to compensate for deficits in postural control.
- Identify and discuss methods of handling and positioning that are consistent with a segmental approach to improve postural control.



Course Schedule: 6.5 Contact Hours

Day 1:

8-8:30 am	Registration & Check-In
8:30-9:00	Principles of a Segmental approach to Trunk Control
9:00-9:20	Paradigm shift 1: part vs. whole for trunk control
9:20-9:45	Paradigm shift 2: developmental sequence vs. training in vertical alignment.
9:45-10:00	Break
10:00-10:20	Paradigm shift 3: strength vs. control for upright alignment
10:20-11:00	Paradigm shift 4: Task specificity: posture as the foundation not the focus
11:00-12:00	Principles of positioning based on a segmental approach
12:00-1:00	Lunch
1:00-2:00	Application of open and closed chains to recognize the impact of positioning decisions on upright control and function.
2:00-2:45	Video Case examples- identify and discuss methods to improve positioning.
2:45-3:00	Break
3:00-4:00	Application of open and closed chains to identify and discuss methods to use manual support and equipment during clinical interventions to facilitate neural control of upright posture.
4:00-4:45	Video Case examples- identify successful and unsuccessful attempts for positioning and handling to promote segmental control during clinical intervention.
4:45-5:15	Audience questions

CONTACT INFO:

Phone: 630-261-6191 Email: ce@EasterSealsDFVR.org
www.eastersealsdfvr.org/continuingeducation

PRE-REQUISITE:

To take the SATCo course on **6/18/2021** please follow the link Below to finish the online pre course assessment training. If you have taken a previous SATCo course you do not have to complete the online pre course. **Please complete the pre assessment before June 1st, 2021.**

[SATCo \(neurorecoverylearning.org\)](http://neurorecoverylearning.org)

Continuing Education Credits

All participants will receive a course completion certificate upon successful completion of the conference. No certificates will be awarded until course completion is verified on the final date of the conference. Continuing education credits for **O.T. & P.T.** will be offered through the Illinois Department of Professional and Financial Regulation.

Occupational

Therapy:



American
Occupational Therapy
Association

Approved Provider

This Intermediate Level course is offered with AOTA Classification Codes: Categories 1 Domain of OT & 2 Occupational Therapy Processes.

Speech Therapy:



ASHA CE
APPROVED PROVIDER

Easterseals DuPage & Fox
Valley

Intermediate Level
65 ASHA CEUs

REGISTRATION FORM

Please complete this form and mail with payment to:
Easterseals DuPage & Fox Valley
Continuing Education Department
830 South Addison Avenue
Villa Park, IL 60181
FAX: 630.620.1148

Online Registration: <http://www.easterseals.com/dfv/our-programs/employment-training/continuing-education.html>

Registration Fee: \$210

Early Registration Rate: \$195
(on or before 5/14/21)

Name: _____
(This is how your name will be printed on the course completion certificate.)

Title/Position: _____

Organization: _____

Org. address: _____

City: _____

State: _____ Zip: _____

Business phone: _____

Home address: _____

City: _____

State: _____ Zip: _____

Home phone: _____

E-mail: _____

For credit card payment, please complete:

Type (please circle): **Visa, MasterCard, AmEx, Discover**

Credit Card #: _____

Expiration Date: _____ CVV: _____

Space is limited— early registration is encouraged. Registration deadline: June 11th, 2021

Cancellations must be in writing and will incur a \$50 processing fee. No refunds granted after June 11th, 2021. If Easterseals or Speaker should need to cancel, course fees will be refunded or transferred to another course at the discretion of the participant.