

TASC Network Workshop

21st Century Strength Training in Pediatric Neurorehabilitation

Integrating EMG-Triggered-Stimulation, Surface Biofeedback and Current Exercise Protocols into a Pediatric Practice Model

Karen Pape, MD and Pia Stampe, PT, DPT

May 16 & 17, 2009

Ithaca College Rochester Campus
1100 South Goodman Street
Rochester, NY 14620

Full course description at www.tascnetwork.net

Program

Day One, Habit Hides Recovery

8:30 – 9:00	Breakfast and Registration
9:00 – 10:15	Key Components of Strengthening - Activation, Recruitment, Balance and Muscle Fiber Development
10:15 – 10:45	Break
10:45 – 12 Noon	Surface Biofeedback Improves Activation and Recruitment - Lab
12 Noon – 1:00	Lunch
1:00 – 2:15	Improved Activation and Recruitment = Rapid Performance Improvement Case Studies to demonstrate Sensory, Motor and Muscle Factors in CP and BPI
2:15 – 2:45	Break
2:45 – 4:30	Demonstration Lab - MyoTrac Infiniti Neuro PD for Surface Biofeedback and Assessment Protocols for EMG-Triggered Stimulation
4:30 – 5:00	Q & A

Day Two, Creating New Habits

8:00 – 8:30	Breakfast
8:30 – 10:00	Pediatric Practice Model for Intensive Strength Training Needs Assessment <ul style="list-style-type: none">● Alignment, Flexibility and Range● CVS Fitness● Endurance vs. Power
10:00 – 10:30	Break
10:30 – 12:30	Lab - EMG-Triggered Stimulation and NMES Set-up, Peer Practice, Patient Demonstrations Lunch - Payment Issues
12:30 – 1:30	Treatment Models for <ul style="list-style-type: none">● Normal Muscle● Low Tone Muscle (BPI, Nerve Injury, Hypotonia)● Spastic Muscle (CP, Head Injury, Stroke)
1:30 – 3:30	
3:30 – 4:00	Q & A and Close

Who Should Attend?

Physical and Occupational Therapists with experience using NMES and/or interest in new, child-friendly, technology applications, Nurse Practitioners, Practice Supervisors, PT/OT Educators.

Habit Hides Recovery

We all know a child who can occasionally demonstrate normal motor movement. The most common example is the “therapy walk”. After treatment, the child may walk relatively well, over short distances and for a brief time period. Then the old abnormal pattern of walking comes back.

The “therapy walk” is evidence of neuroplasticity. This course teaches a new approach, with supporting technologies, to help uncover recovery and to teach new movement patterns that result in improved performance.

Course Objectives:

Upon completion of this course participants will be able to:

- Define how muscle weakness and habit affects pediatric rehabilitation
- Identify emerging neuroplastic interventions and technologies used in pediatric rehabilitation
- Use and integrate biofeedback into pediatric neuro-rehabilitation
- Use and integrate EMG-Triggered-Stimulation into pediatric neurorehabilitation
- Create a treatment plan for Strength Training for children and adults with Cerebral Palsy and Brachial Plexus Injury
- Discuss reimbursement issues for therapy & technology acquisition

Contact Information

www.tascnetwork.net

info@tascnetwork.net

1-877-827-2242

WORKSHOP REGISTRATION

Instructors

Karen Pape, MD, FRCPC, FAAP

Medical Director, TASC Network, kep@tascnetwork.net

Dr. Pape started her medical career as a NICU physician. She developed and standardized the use of head ultrasound brain scans and Threshold Electrical Stimulation (TES). Dr. Pape has over 30 years experience in the diagnosis and management of pediatric neurologic cases.

"MyoTrac Infiniti Neuro PD allows rehabilitation professionals to access activity-dependent neuroplasticity, by providing closed loop re-training of brain function in both children and adults with limitations of spontaneous movement. I expect that it will revolutionize our approach to a wide range of neurological disorders."

Pia Stampe, PT, DPT

Pediatric Physical Therapy Services, pia@rochester.rr.com

Pia has 25 years of experience in pediatric physical therapy and is the owner of a private physical therapy practice in Rochester, New York that specializes in pediatrics, particularly Early Intervention. She has taught as a laboratory instructor in the graduate Pediatrics course for the Physical Therapy Department at Ithaca College for 5 years. She is currently Co-Principal Investigator for a research study titled *Effects of threshold electrical stimulation on motor outcomes in a child with BPI*.

Registration

An application for CEUs for PT and OT will be filed.

Registration is strictly limited to 40 participants.

Tuition: \$250/single participant, \$225/two or more participants registering together. Registration after May 1, 2009: \$300. Tuition includes: Continental breakfast Saturday and Sunday, lunch Saturday and Sunday, course materials.

Cancellation policy: Tuition is fully refundable prior to May 1, 2009.

Nearest airports:

Rochester International Airport is approximately 6 miles from course location.

Buffalo Niagara International Airport is approximately 70 miles from course location and about 1 hour by car.

Area Hotels:

Hampton Inn

717 East Henrietta Rd, Rochester, NY 14623 (585) 272-7800

Price per night: \$169 + tax

Approximately 4 miles from course location and airport

Best Western Marketplace Inn

940 Jefferson Road, Rochester, NY - (585) 427-2700

Price per night: \$99 + tax

Approximately 5 miles from course location and airport



Workshop Site:

Ithaca College Rochester Campus

1100 South Goodman Street

Rochester, NY 14620

585-427-7610 (ask for Kathryn)

NAME _____ DEGREE _____

INSTITUTION / CLINIC / PRIVATE PRACTICE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ FAX _____

EMAIL ADDRESS FOR CONFIRMATION _____

Workshop Fee

\$250 _____ x \$225 (more than one registrant)
Registration fee will include workshop materials, breakfast and lunch and coffee breaks.

TOTAL AMOUNT ENCLOSED: \$

Method of payment

- Check made payable to TASC Network
 VISA Mastercard

CARD NUMBER _____ EXPIRATION DATE _____

SIGNATURE _____

If you are paying by credit card, you may fax your registration form to TASC Network at 416-928-6830 or mail the complete form with fee to:

TASC Network, Inc.
P.O. Box 91064
2901 Bayview Avenue
Toronto, ON M2K 2Y6
Canada

Please note:

Tuition must be received in order for participant to be registered. Confirmation will be sent via email or fax only. Please include this information in the registration form above. No refunds will be given after May 1, 2009 unless the slot can be filled. Tuition will be refunded if workshop is cancelled.

Contact Information TASC Network and Karen Pape, MD

Phone: 1-877-827-2242

Email: info@tascnetwork.net

Website: www.tascnetwork.net