Spasticity and Neurorehabilitation: Pediatric and Adult Workshops 2023
Setting the Tone Across the Lifespan

In-Person Hands-on Workshops
September 9, 2023
Corporate College East, Warrensville Heights, OH

www.cccme.org/spasticity
About the Workshops

The workshops will highlight strategies to assess and manage spasticity and to enhance function and quality of life in children and adults dealing with the consequences of spasticity and neuromotor disorders. The topics will cover management options (neurorehabilitation, assistive devices, medical and surgical treatments, complementary and alternative therapies) to be utilized across neurological conditions throughout the lifespan.

The in-person workshops will include didactic presentations, case discussions, and hands-on demonstrations on practical applications. Direct interaction between the audience and faculty will be facilitated by the workshop format.

An emphasis will be placed on information that can be applied in clinical practice, including recent advances.

Target Audience

Neurologists, neurosurgeons, physiatrists, pediatricians, primary care physicians, physical therapists, occupational therapists, nurse practitioners, physician assistants, nurses and other disciplines involved in the diagnosis and treatment of spasticity and other neuromotor disorders.

Objectives

After completing this educational activity, participants will be able to do the following:

• Identify and critically appraise new evidence, clinical applications, treatments and technological innovations for optimizing function in adult and pediatric patients with spasticity and neuromotor disorders.

• Describe and evaluate the steps and techniques involved in selecting appropriate candidates for specific treatments in the management of spasticity and neuromotor disorders.

• Summarize the evidence base and clinical applications of advances in the treatment of spasticity including ultrasound muscle localization for botulinum toxin injections, phenol injections and intrathecal baclofen therapy.

• Describe strategies for effective treatment and management of spasticity and other neuromotor disorders including applied manual therapy; taping and strapping techniques; wheelchair seating and mobility systems; FES treatment techniques; high-intensity gait training and virtual and augmented reality rehabilitation technologies.
Workshop Directors

Francois Bethoux, MD
Department Chairman, Physical Medicine and Rehabilitation
Director, Rehabilitation Services, Mellen Center for Multiple Sclerosis
Medical Director, Arts and Medicine Institute
Cleveland Clinic

Lainie Holman, MD, MFA
Department Chair, Pediatric Physical Medicine and Rehabilitation
Chair, Medical Staff, Cleveland Clinic Children’s Hospital for Rehabilitation

Planning Committee

Randy Karim PT, DPT, NCS, CBIS
Clinical Specialist
Director of Neurologic PT Residency Program
Rehabilitation and Sports Therapy
Cleveland Clinic

Gianinne Loerch, PT
Clinical Manager Therapy Services (Retired)
Cleveland Clinic Children’s Hospital for Rehabilitation

Alyssa Leonard, MS, OTR/L, MSCS
Multiple Sclerosis Certified Specialist
Rehabilitation and Sports Therapy
Cleveland Clinic

Trish Martin, PT
Director of Therapy Services (Retired)
Cleveland Clinic Children’s Hospital for Rehabilitation

Susan Linder, PT, DPT, NCS, PhD
Assistant Staff, Physical Medicine & Rehabilitation
Cleveland Clinic

Danielle Petrozelle, MS, OTR/L, BCP, CKTP
Clinical Manager Therapy Services
Cleveland Clinic Children’s Hospital for Rehabilitation

Merissa Poreda, PT, DPT
Cleveland Clinic Children’s Hospital for Rehabilitation

Guest Faculty

Adam Bartlett, MD
Pediatric Physical Medicine and Rehabilitation
NeuroDevelopmental Science Center
Akron Children’s Hospital

Shannon Hogan, MS, OTR/L
Rehabilitation Institute
MetroHealth

Amy Friedl, MS, OTR/L
Rehabilitation Institute
MetroHealth

Deborah Hogue, PT, DPT, NCS
Cleveland Clinic Rehabilitation Hospital,
Edwin Shaw

Rebecca Greenspan, DO
Rehabilitation Institute
MetroHealth

Matt Linsenmayer, PT, DPT
Assistive Technology Center at the
Wexner Medical Center
The Ohio State University

Cleveland Clinic Faculty

Richard Aguilera, MD
Jay Alberts, PhD
Ann Bischof-Bockbrader, PTA
Cindy Clark, OT/L
Christina Duncan, MS, OTR/L, CDRS
Tracey Febres, PT, DPT, AIB-VRII
Sarah Fultz, PT, MPT, SCCE, CKTP, CCI
Ashley Gaglione PT, DPT, NCS
Conner Geer, DPT, NCS
Kush Goyal, MD
Juliet Hou, MD

Jim Kopniske, PTA
Laura Kovach, MS, OTR/L, CBIS
Tisha Mann, PTA, ATC
Liz May, MS, OTR/L
Kaitlin Perlic, PT, DPT, NCS
Noel Pristas, MD
Robert Robinson, PT, DPT
Anson Rosenfeldt, PT, DPT, NCS, MBA
Andrew Roth, PT, DPT, OCS, SCS, ATC, CSCS
Eric Whalen, PT, DPT
Cristina Wells, PTA, ATC, MBA, CCI
Agenda

Workshops will combine lecture and case studies with hands-on instruction.

7:00 a.m. Registration/Continental Breakfast/Exhibits
7:50 a.m. Welcome/Workshop Review

MORNING: Workshops 1–4

8:00 a.m. Instruction
10:00 a.m. Refreshment Break
10:15 a.m. Instruction
12:00 noon Lunch

AFTERNOON: Workshops 5–8

12:30 p.m. Instruction
2:30 p.m. Refreshment Break
2:45 p.m. Instruction
4:30 p.m. Adjourn

MORNING WORKSHOPS

► WORKSHOP 1 (Limited to 20 participants)

Update on Intrathecal Baclofen Therapy for Spasticity

Instructors: Francois Bethoux, Noel Pristas and Rebecca Greenspan

Objectives:
• Describe the decision-making process and procedures related to routine management of ITB therapy.
• Discuss the troubleshooting and management strategy for ITB-related complications.

► WORKSHOP 2 (Limited to 24 participants)

Therapeutic Taping and Strapping Techniques to Facilitate Improved Motor Function

Instructors: Danielle Petrozelle, Sarah Fultz, Cristina Wells and Trish Martin

Objectives:
• Identify properties and safe application of therapeutic taping, used to facilitate improved body mechanics.
• Demonstrate at least 1 elastic taping technique for each of the following areas: upper extremity, lower extremity, trunk.
• Compare and contrast taping and strapping techniques for the UE and LE.

► WORKSHOP 3 (Limited to 30 participants)

High Intensity Gait Training

Instructors: Kaitlin Perlic, Deborah Hogue and Ashley Gaglione

Objectives:
• Discuss current guidelines to improve locomotor function in chronic stroke, incomplete spinal cord injury, and brain injury populations.
• Develop skills in monitoring a patient’s response to aerobic exercise to allow safe progression of high intensity gait training in the clinical setting.
• Implement high intensity gait training strategies to promote carryover into clinical practice.

► WORKSHOP 4 (Limited to 30 participants)

Applying Advances in FES Technology to Improve Neuromotor Function

Instructors: Amy Friedl, Shannon Hogan, Christina Duncan, Tracey Febres, Merissa Poreda, Liz May, Ann Bischof-Bockbrader and Susan Linder

Objectives:
• Describe two ways FES technology can be applied to managed persons with neuromotor dysfunction.
• Demonstrate the safe and effective application of FES devices to treat neuromotor dysfunction.
AFTERNOON WORKSHOPS

WORKSHOP 5 (Limited to 20 participants)
Ultrasound Guidance for Botulinum Toxin and Phenol Injections for Spasticity
Instructors: Juliet Hou, Adam Bartlett and Kush Goyal
Objectives:
• Describe the utility of US guidance during botulinum toxin and phenol injections.
• Identify muscles and nerves that are commonly injected with ultrasound guidance.

WORKSHOP 6 (Limited to 26 participants)
Applied Manual Therapy for the Neurologic Patient
Instructors: Andrew Roth, Robert Robinson, Eric Whalen, Conner Geer, Jim Kopniske and Tisha Mann
Objectives:
• Demonstrate effective manual joint mobilization to the shoulder, ankle, hip, thoracic spine and ribcage to increase passive and active range of motion.
• Perform and interpret functional movement assessments to determine the need for and effectiveness of above techniques.
• Describe implications for the above assessments and treatments in the neurologically involved patient.

WORKSHOP 7 (Limited to 20 participants)
Wheelchair Seating and Mobility Systems
Instructors: Alyssa Leonard, Laura Kovach, Matt Linsenmayer and Gianinne Loerch
Objectives:
• Illustrate best practice for initiating conversations with patients regarding benefits and need for involvement in specialty services to meet equipment needs and maximizing quality of life.
• Summarize the necessary requirements, including specific roles of the interdisciplinary team, as dictated by insurance to obtain any specific equipment.
• Review the components of a specialty session and skilled judgement utilized during these sessions to promote safety and maximize independence while utilizing various equipment including engagement in dynamic case study based analyses.
• Evaluate opportunities to expand scope of knowledge regarding available equipment in an effort to appropriately prepare and assist patients in making an educated decision regarding assistive mobility.

WORKSHOP 8 (Limited to 30 participants)
Applying Augmented and Virtual Reality Technologies and Robotics to Improve Neuromotor Function
Instructors: Jay Alberts, Anson Rosenfeldt, Richard Aguilera, Christina Duncan and Cindy Clark
Objectives:
• Describe two ways AR or VR technologies can be applied to manage persons with neuromotor dysfunction.
• Identify two advantages to using AR or VR technologies over traditional rehabilitation approaches.
• Demonstrate the application of robotic devices to facilitate improved neuromotor function.
General Information

Location
Corporate College East
4400 Richmond Rd.
Warrensville Heights, OH 44128
Phone: 216.987.2800

Hotel Accommodations
The Marriott Cleveland East
26300 Harvard Road
Warrensville Heights, OH 44122

It is approximately a 3–5 minute drive time to Corporate College East. To make your reservation, go to www.marriott.com/cleem. Under Special Rates select Corp/Promo Code and enter CL6 to receive the discounted Cleveland Clinic rate. Discounted rates are based on availability.

Information
For further information about this activity, contact Liz Eaton at 216.445.5431 (phone) or eatonl3@ccf.org (email).

Americans with Disabilities Act
The Cleveland Clinic Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Liz Eaton at 216.445.5431 at least two weeks prior to the activity.

Faculty Disclosure Statement
The Cleveland Clinic Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Integrity and Independence requiring mitigation of all faculty conflicts of interest. Faculty declaring a relevant financial relationship will be identified in the activity syllabus.

Health and Safety
As participants are responsible for their own health choices, the use of masks by all participants at this event is optional. Please note this is subject to change based on the most recent status of CDC, local and/or state guidelines.

Accreditation
In support of improving patient care, Cleveland Clinic Center for Continuing Education is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Credit Designation
American Medical Association (AMA)
Cleveland Clinic Center for Continuing Education designates this live activity for a maximum of 7.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association for Category 2 credit.

Ohio Physical Therapy Association (OPTA)
Credit is being applied for with the Ohio Physical Therapy Association. Approval is pending.

OT section of the Ohio OTPTAT Board
Credit is being applied for with the OT section of the Ohio OTPTAT Board. Approval is pending.

Certificate of Participation
A certificate of participation will be provided to other health care professionals for requesting credits in accordance with their professional boards and/or associations.

Faculty Presentations
Faculty presentation slides will be available online in PDF format. You will have access prior to the activity to allow you to download or print the slides.

www.cccfme.org/spasticity
Registration and Cancellation Information

Payment must be received prior to admittance to the course. Purchase orders are not accepted.

Register at: www.ccfcme.org/spasticity
CCF Employees should check fees and register online.

In-person registration includes: continental breakfast, refreshment breaks, lunch and online syllabus.

Registration is limited per workshop. A waitlist will be generated once a workshop is filled.

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<thead>
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<th>Registration Category</th>
<th>In-Person: Sept. 9, 2023</th>
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<tbody>
<tr>
<td>Physician</td>
<td>$275</td>
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<tr>
<td>Resident*/Fellow*</td>
<td>Complimentary</td>
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<tr>
<td>Non-Physician</td>
<td>$175</td>
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*Letter from Program Director or Chairman must be received in our office prior to the course to receive this fee.

Preregistrations are accepted online until August 31, 2023. To register after this date, please do so onsite. In case of cancellation, a full refund will be made if canceled by August 25, 2023. After August 25, 2023, a $50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER September 1, 2023.

For questions about registering online, call 216.448.8710 or email cmeregistration@ccf.org

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone activity in our sole discretion. In the unlikely event that this occurs, any registration fee(s) paid will be refunded. Be advised that Cleveland Clinic is not responsible for related costs including airline tickets, hotel costs, or any similar fee penalties incurred as a result of any trip cancellations or changes.
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