

Spasticity and Neuromotor Rehabilitation: Pediatric and Adult Symposium 2021

Setting the Tone across the Lifespan

September 11-12, 2021

Virtual Live Stream - Eastern Time



Overview

Symposium Description

The symposium 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 (rehabilitation, devices, medical and surgical treatments, complementary and alternative therapies) to be utilized across neurological conditions throughout the lifespan. A combination of didactic presentations, case discussions, and breakout sessions will be used to illustrate the complexity of decision making and outcome measurement.

Interaction between the audience and faculty will be encouraged throughout the symposium. 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, speech language pathologists, nurse practitioners, physician assistants, nurses and other disciplines involved in the diagnosis and treatment of spasticity and other neuromotor disorders.

Objectives

At the completion of this activity, the participant will be able to:

- Explain the impact of spasticity and neuromotor disorders on function and quality of life throughout the lifespan
- Describe rehabilitation techniques and practice guidelines for the treatment of spasticity and neuromotor disorders in pediatric and adult patients
- Identify strategies for combining rehabilitation, medical, surgical treatments, and complementary and alternative therapies to optimize function in adult and pediatric patients with spasticity
- Summarize the evidence base supporting the use of intrathecal baclofen pumps, ultrasound-guided botulinum toxin, and rhizotomy to treat patients with spasticity and neuromotor disorders.
- Discuss research on improving oral motor function, swallowing and communication function in patients with neuromotor disorders and describe its implications for clinical practice.

Faculty

Symposium Co-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

Doug Henry, MD

Pediatric Physiatrist
Mary Free Bed Rehabilitation Hospital

Trish Martin, PT

Director of Therapy Services
Cleveland Clinic Children's Hospital for Rehabilitation

Faculty *(Continued)*

Planning Committee

Benjamin Katholi, MD

Pediatric Physiatrist
Shirley Ryan AbilityLab

Brianne Latifi, OTR/L

Occupational Therapist
Cleveland Clinic Children's Hospital for Rehabilitation

Gianinne Loerch, PT

Therapy Services Manager
Cleveland Clinic Children's Hospital for Rehabilitation

Darlene Stough, RN, MSCN, CCRP

Research Nurse Coordinator
Mellen Center for Multiple Sclerosis
Cleveland Clinic

Matt Sutliff, PT, DPT, MSCS

Clinical Team Leader
Mellen Center for Multiple Sclerosis
Cleveland Clinic

Guest Faculty

John (Sid) Blair, BFA, MEd

Assistive Technology Specialist
Cuyahoga County Board of Developmental
Disabilities

Jennifer L. Collinger, PhD

Associate Professor
University of Pittsburgh, PM&R
Rehab Neural Engineering Labs

Neil Friedman, MBChB

Director Clinical Transformation
Pediatric Neurologist
Barrow Neurological Institute at
Phoenix Children's Hospital

Tina Moreno, MA, CCC-SLP

Speech-Language Pathologist
Cuyahoga County Board of
Developmental Disabilities

Sarah A. Morrow, MD, MS, FRCPC

London Health Sciences Centre
Lawson Health Research Institute
Associate Professor of Neurology
Department of Clinical Neurological Sciences
Western University

Charles B. Stevenson, MD, FAANS, FACS, FAAP

Division of Pediatric Neurosurgery
Surgical Director, Brain Tumor Center
Director, Surgical Spasticity Clinic
Cincinnati Children's Hospital Medical
Center
Associate Professor of Neurosurgery
and Pediatrics
Department of Neurological Surgery
University of Cincinnati College of
Medicine

Ronald J. Triolo, PhD

Professor, Department of Biomedical
Engineering
Case Western Reserve University
Director, Center for Advanced Platform
Technology
US Department of Veterans Affairs
Staff Scientist, MetroHealth Center for
Rehabilitation Research

Jenna Wiltzer Karim, MS, RDN, LD, CLT

Clinical Dietitian
Northeast Care Solutions
United Cerebral Palsy of Greater
Cleveland
Cleveland Functional Nutrition LLC

Cleveland Clinic Faculty

David Burke, DO

Geraldine Dapul, MD

Sara Davin, PsyD, MPH

Ashley Everett, CTRS, CARSS

Ashley Forbes, PT, DPT

Amy Fuhrman, CTRS

Jennifer Hehr, PA-C

Lainie Holman, MD, MFA

Candace Hrelec, MD

Jennifer Kekelis, PT, DPT

Lisa Leonard, MA, CCC-SLP

AnnMarie Pace, MPT

Lauren Roskoph, PT, DPT, NCS, MSCS

Taylor Rush, PhD

Joseph Styron, MD, PhD

Babak Tousi, MD

Benjamin Walter, MD

Xin Xin Yu, MD

Agenda

Saturday, September 11, 2021 • Eastern Time

- 8:00 am** **Pre-Symposium Lecture:**
The Benefits of Music Therapy in Neurorehabilitation
Brian Harris, MA, MT-BC, NMT/F
This lecture is not eligible for CME credit
- 9:00 am** **Virtual Exhibits**
- 9:30 am** **Welcome/Symposium Review**
Francois Bethoux and Doug Henry
- 9:40 am** **Spasticity, Dystonia, and DBS for Dystonia**
Benjamin Walter
- 10:40 am** **Cannabinoids and Spasticity: Strengths, Weaknesses and Pitfalls -
Focus on Multiple Sclerosis**
Sarah A. Morrow
- 11:40 am** **Brain Health and Wellness**
Babak Tousi
- 12:40 pm** **Lunch Break/Exhibits**
- 1:10 pm** **Functional Movement Disorders**
Xin Xin Yu, Lauren Roskoph and Taylor Rush
- 2:10 pm** **The Long and Windy Road: A Pediatric Stroke Update**
Neil Friedman
- 3:10 pm** **Break/Exhibits**
- 3:25 pm** **Upper Extremity Spasticity: To Cut or Not To Cut, that is
the question**
Joe Styron
- 4:25 pm** **Role of Psychology/Behavioral Medicine in Neuropathic
Pain Management**
Sara Davin
- 5:25 pm** **Adjourn**

Time for questions and answers are included in each presentation each day.

Agenda *You may attend any breakout lecture that interests you*

Sunday, September 12, 2021 • Eastern Time

8:30 am Virtual Exhibits

8:50 am Day 2 - Symposium Review – *Trish Martin*

BREAKOUT SESSION A: MEDICAL SPASTICITY MANAGEMENT

9:00 am Intrathecal Baclofen Pump – Routine Management

Doug Henry

10:00 am Intrathecal Baclofen Pump – Troubleshooting Case Studies

Francois Bethoux and Jennifer Hehr

11:00 am Break and Exhibits

11:15 am Ultrasound Guided Botulinum Toxin Injections for Spasticity and Dystonia

Geraldine Dapul

12:15 pm Rhizotomy vs Intrathecal Baclofen Pump

Charles Stevenson and Lainie Holman

BREAKOUT SESSION B - RESTORING FUNCTION

9:00 am Restoration of Upper Limb Function through a Bidirectional Brain-Computer Interface

Jennifer L. Collinger

10:00 am Neural Stimulation Approaches for Mobility after Paralysis and Limb Loss

Ronald J. Triolo

11:00 am Break and Exhibits

11:15 am Gait Lab: Case Study- Analysis and Interpretation

AnnMarie Pace, Ashley Forbes and Jennifer Kekelis

12:15 pm Gait Training with a Robotic Exoskeleton

Matt Sutliff

BREAKOUT SESSION C - SWALLOWING AND COMMUNICATION

9:00 am Spasmodic Dysphonia

Candace Hrelec

10:00 am Assistive Technology to Support Independence

Sid (John) Blair

11:00 am Break and Exhibits

11:15 am Literacy and Augmentative and Alternative Communication (AAC)

Tina Moreno

12:15 pm Medical Look into Childhood Apraxia of Speech

Lisa Leonard

BREAKOUT SESSION D - HOLISTIC APPROACH

9:00 am Integrative Treatments for Spasticity

Ben Katholi

10:00 am Leisure, Lifestyle, and Well-being: Recreation Therapy and Community Resources

Ashley Everett and Amy Fuhrman

11:00 am Break and Exhibits

11:15 am Frequency Specific Microcurrent (FSM) for Spasticity

David Burke

12:15 pm Nutrition Therapy: Myths and Realities in Neurological Rehabilitation

Jenna Wiltzer Karim

1:15 pm Adjourn all sessions

General Information

Information

For further information about this activity, contact Shana Spade at

Local: 216.444.9380

Toll Free: 800.223.2273 x49380

Email: spades@ccf.org

Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this internet live activity for a maximum of 11.50 *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 Psychological Association – OPAMCE Provider – Approved for 11.50 credits.

Physical Therapy – Credit is being applied for with the Ohio Physical Therapy Association – Approval is pending.

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

Speech-Language Pathology – This course is offered for a maximum of 1.1 ASHA CEUs (Intermediate level, Related area).



ASHA CE
APPROVED PROVIDER

Cleveland Clinic Children's Hospital
for Rehabilitation, Therapy Services

Various Levels
1.1 ASHA CEUs

Nursing

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Nurses are able to obtain CE that has been approved or provided by a nationally recognized accreditation system of continuing education.

Examples include:

- American Nurses Credentialing Center (ANCC)
- The Accreditation Council for Continuing Medical Education (ACCME)
- The International Association for Continuing Education and Training (IACET)

General Information

Faculty Disclosure Statement

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified the activity syllabus.

A detailed disclosure statement for faculty financial and nonfinancial relationships, relevant to ASHA accreditation, can be found at www.ccfcmec.org/spasticity.

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.

Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify Shana Spade at 216.444.9380 at least two weeks prior to the activity.

Registration and Cancellation Information

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

Register at: www.ccfcmec.org/spasticity

CCF Employees should check fees and register online.

Symposium Fees

Registration includes: Access to live stream, faculty PowerPoint presentations in PDF format and access to the archived live stream recordings post symposium.

To obtain continuing education credits, registrants must participate in the live online activity September 11-12, 2021.

Full Symposium

Physician - \$50

Resident/Fellow* - Complimentary

Non-Physician - \$50

Student* - Complimentary

**Letter from Program Director or Chairman must be received in our office prior to the symposium to receive this fee.*

Preregistrations are accepted online until, **September 9, 2021.**

In case of cancellation, a full refund will be made if canceled by **September 1, 2021.** After **September 1, 2021**, a \$25 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 9, 2021.**

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 incurred as a result of any course cancellations or changes.



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www.ccfmcme.org/spasticity



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