



RESIDENTS AND FELLOWS
Complimentary Registration
+
Limited Travel Stipends Available!

8th Annual

COMPREHENSIVE Neurotoxin Course for Neurological Conditions

A webinar series + full day live program

2 Saturday webinars:
October 12 and October 26, 2019

Full day live program:
Friday, November 8, 2019



Register Today! www.ccfcmc.org/CNCNC19

COMPREHENSIVE Neurotoxin Course for Neurological Conditions

A webinar series + full day live program

Course Description

With the ever-growing therapeutic indications for toxin treatment, increasing numbers of available toxins, and the potential dangers and pitfalls if toxin injections are performed sub-optimally, there is a clear need for a comprehensive training of toxin injection.

The clear educational need is for a thorough and intensive training that incorporates balanced and comprehensive didactic lectures, the opportunity to ask questions on uncertain areas, live demonstrations, and true assessment of understanding of concepts and readiness for injection.

This comprehensive program is unique in its duration, breadth, and content delivery. It consists of two computer-based sessions held live, that allows interaction with faculty and modular examinations. The series culminates with a full day live program held in Cleveland that features toxin injection demonstrations on actual patients. The faculty are North American thought-leaders in dystonia and toxin injections with reputations for being exemplary educators. **Participants may register for the webinars, the full day live program or both. Special discount for those who register for both.**

Target Audience

This educational activity is intended for neurologists, physiatrists, residents, fellows and nurse practitioners.

The Objectives

Overall objective:

To provide the practicing clinician or clinician-in-training the necessary knowledge needed to competently utilize all types botulinum toxins for various neurological indications.

Specific objectives:

- Describe the fundamental pharmacology of botulinum toxin, its history, mechanisms of action, duration and onset of action, potential side effects, contraindications, and clinical indications.
- List the four toxin products approved by the FDA and summarize their differences and similarities in clinical response, dosing, side effects, preparation, and administration.
- Review the different therapeutic uses of botulinum toxins in neurological disorders, both FDA-approved indications and off-label uses.
- Describe the proper administration of all types of botulinum toxins including anatomic localization, target and muscle selection, use of electromyographic and ultrasound guidance, and injection techniques.
- Illustrate the proper and ethical process of consent, preauthorization, billing, and coding for botulinum toxin use.

Full Day Live Program Location

Bunts Auditorium, Jennings Building, Cleveland Clinic
9500 Euclid Ave
Cleveland, OH

Hotel Accommodations

Hotel reservations are separate from the course registration and are the responsibility of the participant. A block of rooms at the group rate of \$139 + 16.50% tax has been reserved at

Holiday Inn Cleveland Clinic
8650 Euclid Ave, Cleveland, OH 44106
Telephone: 216.707.4200

The cut-off date for the special rate is **November 7, 2019.**

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.

Webinars:

The Cleveland Clinic Foundation Center for Continuing Education designates each live activity for a maximum of 4 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Live Meeting:

The Cleveland Clinic Foundation Center for Continuing Education designates this live activity for a maximum of 7 *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.

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 Beth Viscomi at 216.444.7591 or viscomb@ccf.org at least two weeks prior to the activity.

Information

Shana Spade: 216.444.9380
Email: spades@ccf.org
Fax: 216.445.9908

Webinar Schedule

Saturdays, 1:00-5:30pm (EST); 12:00-4:30pm (CST); 11:00am-3:30pm (MST); 10:00am-2:30pm (PST)

Saturday, October 12

- 1:00-2:00 pm** **Module 1: Introduction to Botulinum Toxins**
Cindy Comella, MD
- 2:00-3:00 pm** **Module 2: Headache and Facial Pain**
Zubair Ahmed, MD
- 3:00-3:30 pm** **Break**
- 3:30-4:30 pm** **Module 3: Oromandibular, Lingual Dystonia and Spasmodic Dysphonia**
Steven Charous, MD
- 4:30-5:30 pm** **Module 4: Blepharospasms and Hemifacial Spasms**
Irene Malaty, MD

Saturday, October 26

- 1:00-2:00 pm** **Module 5: Cervical Dystonia**
Joseph Jankovic, MD
- 2:00-3:00 pm** **Module 6: Limb Dystonia and Spasticity**
Katharine Alter, MD
- 3:00-3:30 pm** **Break**
- 3:30-4:30 pm** **Module 7: Other Neurological Uses of Neurotoxin (Sialorrhea, Tremor, Tics, Gait Freezing, Hyperhidrosis, Truncal Dystonia, etc.)**
Joohee Jimenez-Shahed, MD
- 4:30-5:30 pm** **Module 8: Proper and Ethical Consenting, Billing, Coding Practices**
Zoltan Mari, MD

NOTE: All webinars will be available for viewing online for **90 days** after each live installment.

Full Day Live Program: Friday, November 8, 2019

**Bunts Auditorium/Jennings Bldg. (TT Bldg.)
The Cleveland Clinic, Cleveland, Ohio**

- 7:00 am** **Registration and Breakfast**
- 8:00 am** **Final Review: Pearls and Pitfalls in Neurotoxin**
Dr. Zoltan Mari, Cleveland Clinic Nevada
- 9:00 am** **Live Patient Demonstration I**
Cleveland Clinic Faculty
- 12:00 pm** **Lunch**
- 1:00 pm** **Live Patient Demonstration II**
Cleveland Clinic Faculty
- 4:00 pm** **Adjourn**

All presentations include a 5-minute question and answer period.

Course Directors

Hubert H. Fernandez, MD
Cleveland Clinic

Zoltan Mari, MD
Cleveland Clinic Lou Ruvo Center
for Brain Health

Webinar Faculty

Zubair Ahmed, MD
Cleveland Clinic

Katharine Alter, MD
University of Maryland

Steven Charous, MD
Loyola University Medical Center

Cynthia Comella, MD
Rush University

Joseph Jankovic, MD
Baylor College of Medicine

Joohee Jimenez-Shahed, MD
Icahn School of Medicine at Mt. Sinai

Irene Malaty, MD
University of Florida Center

Zoltan Mari, MD
Cleveland Clinic Lou Ruvo Center for
Brain Health

Live Program Cleveland Clinic Faculty

Francois Bethoux, MD
Hubert Fernandez, MD
Michal Gostkowski, DO
Candace Hrelec, MD
Ilta Itin, MD
Zoltan Mari, MD
MaryAnn Mays, MD
Xin Xin Yu, MD

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 in the activity syllabus.

COMPREHENSIVE Neurotoxin Course for Neurological Conditions

Registration and Cancellation

Webinars

Registration deadline for each webinar is **72 hours** prior to original air date. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by **September 27, 2019**. After **September 27, 2019**, a \$25 cancellation fee will be deducted from your refund. **No refunds for the live webinars will be issued after October 11, 2019.**

Live Meeting

Registrations will be accepted for the live meeting until **5:00 PM EST November 4, 2019**. Register on site after this date. In case of cancellation, email notification is required to process your refund. A full refund will be issued if canceled by **October 25, 2019**. After **October 25, 2019**, a \$25 cancellation fee will be deducted from your refund. **No refunds for the live meeting will be issued after November 1, 2019.**

For questions about registration, call **216.448.8710** or email **cmeregistration@ccf.org**

Cleveland Clinic Center for Continuing Education reserves the right to cancel or postpone an activity at 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.

To Register Online Go To:

www.ccfcmec.org/CNCNC19

**Participants may register for the webinars, the full day live program or both.
Special discount for those who register for both.**

Cleveland Clinic employee fees and registration are available online only.

Registration Fees:

Two webinars	\$250
Full day live program	\$100
Two webinars AND full day live program	\$300 (save \$50)
Movement Disorders Fellows and Neurology or Psychiatry Residents*	No Charge

*(Must provide letter from program director)