Cleveland Clinic
Neurological Institute

6th Annual
**COMPREHENSIVE** Neurotoxin Course for Neurological Conditions

A webinar series + full day live program

8 webinars:
Wednesday evenings from September 6–October 25, 2017

Full day live program:
Friday, November 10, 2017

Register Today! www.ccfcme.org/CNCNC17
6th Annual
**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 eight computer-based sessions held live on Wednesdays from September to October, 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 eight webinar series or 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 types available in North America 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 (eg, cervical dystonia, blepharospasms, headache, upper limb spasticity) and off-label uses (eg, limb spasticity and dystonia, hemifacial spasms, oromandibular dystonia, spasmodic dysphonia, sialorrhea, tics, tremor).
- 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 $135 + 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 October 10, 2017.

**Accreditation**

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

**Webinars:**

The Cleveland Clinic Foundation Center for Continuing Education designates each live activity for a maximum of 1.5 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 7.0 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

Module 1: Introduction to Botulinum Toxins
- Web Presentation/Web Chat: Wednesday, September 6, 7:30-9:00 pm EST
  - William Ondo, Methodist Neuroscience Institute

Module 2: Headache and Facial Pain
- Web Presentation/Web Chat: Wednesday, September 13, 7:30-9:00 pm EST
  - Stewart Tepper, Geisel School of Medicine at Dartmouth

Module 3: Oromandibular, Lingual Dystonia and Spasmodic Dysphonia
- Web Presentation/Web Chat: Wednesday, September 20, 7:30-9:00 pm EST
  - Steven Charous, Loyola University Medical Center

Module 4: Blepharospasms and Hemifacial Spasms
- Web Presentation/Web Chat: Wednesday, September 27, 7:30-9:00 pm EST
  - Wayne Cornblath, University of Michigan Health System

Module 5: Cervical Dystonia
- Web Presentation/Web Chat: Wednesday, October 4, 7:30-9:00 pm EST
  - Mark Lew, University of Southern California

Module 6: Limb Dystonia and Spasticity
- Web Presentation/Web Chat: Wednesday, October 11, 7:30-9:00 pm EST
  - Raymond Rosales, University of Santo Tomas Hospital

Module 7: Other Neurological Uses of Neurotoxin (Sialorrhea, Tremor, Tics, Gait Freezing, Hyperhidrosis, Truncal Dystonia, etc.)
- Web Presentation/Web Chat: Wednesday, October 18, 7:30-9:00 pm EST
  - Joohi Jimenez-Shahed, Baylor College of Medicine

Module 8: Proper and Ethical Consenting, Billing, Coding Practices
- Web Presentation/Web Chat: Wednesday, October 25, 7:30-9:00 pm EST
  - Zoltan Mari, Cleveland Clinic Lou Ruvo Center for Brain Health

NOTE: All webinars will be available for viewing online for one year after each live installment.

Full Day Live Program: Friday, November 10, 2017

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

7:00 am - 8:00 am  Registration and Breakfast
8:00 am - 9:00 am  Final Review: Pearls and Pitfalls in Neurotoxin Injections
  - Cynthia Comella, Rush University
9:00 am - 12:00 pm  Live Demonstration I
  - Cleveland Clinic Faculty
    - Anwar Ahmed, Francois Bethoux, Paul Bryson, Hubert Fernandez, Michal Gostkowski, Ilta Itin and MaryAnn Mays
12:00 pm - 1:00 pm  Lunch
1:00 pm - 4:00 pm  Live Demonstration II
  - Cleveland Clinic Faculty
    - Anwar Ahmed, Francois Bethoux, Paul Bryson, Hubert Fernandez, Michal Gostkowski, Ilta Itin and MaryAnn Mays
4:00 pm  Adjourn

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

Participants may register for the eight webinar series or the full day live program or both.
6th Annual

**COMPREHENSIVE** Neurotoxin Course for Neurological Conditions

Registration and Cancellation

**Webinars**

Registration deadline for each webinar is 48 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 August 23, 2017. After August 23, 2017, a $25 cancellation fee will be deducted from your refund. **No refunds for the live webinars will be issued after September 1, 2017.**

**Live Meeting**

Registrations will be accepted for the live meeting until 5:00 PM EST November 7, 2017. 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 27, 2017. After October 27, 2017, a $25 cancellation fee will be deducted from your refund. **No refunds for the live meeting will be issued after November 3, 2017.**

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

**Participants may register for the eight webinar series or the full day live program or both.**

**To Register Online Go To:**

**www.ccfcme.org/CNCNC17**

*Cleveland Clinic employee fees and registration are available online only.*

**Registration Fees:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Webinar series of eight modules</td>
<td>$250</td>
</tr>
<tr>
<td>Full day live program</td>
<td>$100</td>
</tr>
<tr>
<td>Webinar series of eight modules AND full day live program</td>
<td>$300 (save $50)</td>
</tr>
<tr>
<td>Movement Disorders Fellows and Neurology or Physiatry Residents *</td>
<td>No Charge</td>
</tr>
</tbody>
</table>

*M (Must provide letter from program director)

*Cleveland Clinic recognizes the importance of protecting the privacy and security of information provided to us. Therefore, we are no longer requesting credit card data in writing, including on registration forms or faxes. If you would like to register using a credit card, please log in to www.ccfcme.org/CNCNC17 or call 216.448.8710 where it will be handled directly by a certified processor.*