

Needs Statement

Spasticity is a significant problem after TBI/stroke/spinal cord injury (SCI) and other upper motor neuron (UMN) syndromes. Urban et. al. predicted spasticity after ischemic stroke was present in 42.6% of patients. Adams and Hicks describe 65-78% of patients with chronic SCI has symptoms of spasticity. Hibbard et.al. described 23.4 % of patients with traumatic brain injury have spasticity. Education and training specialists in all the treatment options of spasticity including therapy, medications, injection with botulinum toxins, and baclofen pumps is imperative in restoration of the individual back to health, function, and potentially employment.

This educational activity has been designed to inform physiatrists about evidence based updates of recent developments in MSKUS anatomy and limb spasticity.

Educational Methods

Lecture, hands-on workshop, and question and answer

Evaluation

Evaluation by questionnaire will address program content, presentation, and possible bias.

Accreditation/Credit Designation

Baylor College of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Baylor College of Medicine designates this live activity for a maximum of 10 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

KEYNOTE SPEAKERS:

Andrea Boon, MD— Professor PMR, Mayo Clinic, Past Board Member AANEM, Rochester, Minnesota

Janice Massey, MD—Professor Neurology, Duke University, Past President AANEM, Durham, North Carolina

Jaqueline Wertsch, MD—Professor Emeritus PMR, Medical College Wisconsin, U. Wisconsin, Past President AANEM, Milwaukee, Wisconsin

Han Zhang, MD— Professor, Department of Neurobiology and Anatomy, UTHealth, Houston, Texas

Angela Cortez, MD, Asst. Professor PMR, Baylor College of Medicine, McNair Campus, Houston, Texas

Yonghoon Lee, MD, Asst. Professor PMR, Baylor College of Medicine, McNair Campus, Houston, Texas

Course Director:

Faye Chiou Tan, MD— Professor, PMR, Baylor College of Medicine, Chief PMR, Dir EDX, Harris Health System, President AANEM

Course Coordinator (Thur/Fri):

Francisca Corona

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Email: francisca.corona@bcm.edu

Planning Committee Members and

Course Coordinators (Saturday):

Won Jae Jeong, MD, Chief Resident

Jason Caffery, MD, PhD, Chief Resident

Provided by



H. Ben Taub Physical Medicine Rehab.
Baylor College of Medicine, Houston, TX

Cadaver Musculoskeletal Anatomy EMG/MSKUS Guided Injections, Dystonia and Spasticity

KEYNOTE SPEAKERS:

Andrea Boon, MD

Janice Massey, MD

Jaqueline Wertsch, MD

Thursday, March 6, 2025

McNair Conf. A&B,

7200 Cambridge Street,

Houston, TX 77030

Friday Mar 7, 2025

Virtual Zoom

Saturday, March 8, 2025:

UT Health Medical School, Cadaver lab

6431 Fannin St., Rm B230

Houston, TX 77030

Target Audience

This activity is intended for physical medicine and rehabilitation medical students, residents, fellows, faculty, and private practice physiatrists.

Learning Objectives

At the conclusion of this activity, participants should be able to:

- Describe the musculoskeletal anatomy of the neck, arm and leg as it relates to limb spasticity injection.
- Compare two types of guided injections that can be used for spasticity/dystonia.
- Discuss suspension and injection strategies for botulinum toxin.
- Demonstrate how to inject at least two of the 8 new muscles FDA approved for spasticity injection.

Part I: Thursday, March 6, 2025

CME = 4.0 hours (in person)

7:00 AM	Overview with Breakfast - <u>Moderator:</u> Dr. Faye Tan (in person)
7:05 AM	Anatomy of the Neck /Arm - Dr. Han Zhang (in person)
7:50 AM	Anatomy of the Leg - Dr. Han Zhang (in person)
8:35 AM	<i>Break</i>
9:00 AM	MSK Anatomy of the Neck/Arm- Dr. Jackie Wertsch (virtual)
10:00 AM	MSK Anatomy of the Leg - Dr. Jackie Wertsch (virtual)
11:00 AM	The Ulnar Nerve - Dr. Jackie Wertsch (virtual)
11:30 PM	<i>Lunch</i>

Part II: Friday, March 7, 2025

CME = 2.0 hour (virtual)

7:00 AM	Ask the Expert: Injection of Cervical Dystonia - Dr. Janice Massey (virtual)
8:00 AM	Spasticity Updates and Research - 8 New FDA Approved Muscles, Torsional Effects, Space Medicine and Beyond - Dr. Faye Tan (virtual)

Part III: Saturday, March 8, 2025

CME = 4.0 hours (in person)

7:30 AM	Breakfast
8:00 AM to 12:00 PM	Noon
Cadaver Lab: (<i>rotate to each station, pick 4</i>)	
Station 1:	Prosectional Anatomy of the Cadaver Neck/Arm/Leg - Dr. Han Zhang
Station 2:	Guided Botox and MSK Injections Neck/Arm/Leg - Dr. Andrea Boon
Station 3:	Guided MSK Injections Neck/ Arm/Leg - Dr. YH Lee and Dr. Angela Cortez
Station 4:	MSKUS Guided Injection Practice on Phantoms- 8 New Muscles Resuspension of Toxin/Spasticity Injection of Anatomic Models - Dr. Faye Tan

**REGISTRATION: REQUIRED IN ADVANCE
CONTACT: FRANCISCA CORONA FOR
REGISTRATION LINK**

Course registration is FREE to the first 75 participants. Registration is required.