

Needs Statement

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

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 **9.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

COURSE SPEAKERS

KEY NOTE SPEAKERS:

Lawrence Robinson, MD - Professor and Chairman Emeritus, PMR, U. Toronto, Canada, "EMG Talk" AANEM Co-speaker

Jeffrey A. Strakowski, MD— Professor, PMR, The Ohio State University, Kimura EMG textbook, editor

Han Zhang, MD— Professor, Department of Neurobiology and Anatomy, UTHealth, Houston, TX, Regents' Outstanding Teaching Award

Elaine Magat, MD — Asst. Professor, Dept PMR, UT Health Science Center Houston, Spasticity injection expert.

Course Director:

Faye Chiou Tan, MD— Professor, Vice—Chair Fac Affairs, Section Head EDX, H Ben Taub PMR, Baylor College of Medicine, Chief PMR, Harris Health System, Houston, Texas, AANEM past president

Moderators:

Angela Cortez, MD, Yonghoon Lee, MD
Asst. Professors, PMR, Baylor College of Medicine, McNair Campus, Houston, Texas

Course Coordinator: Francisca Corona
Phone: 713-566-3567
Email: Francisca.Corona@bcm.edu

Saturday: Mia Isabella Agana, MS1



Musculoskeletal Ultrasound Anatomy and Spasticity Injection Course:

Lawrence Robinson, MD
Jeffrey A. Strakowski, MD

Thursday, March 12, 2026: in person
McNair 1st floor A&B Conference Room,
7200 Cambridge, Houston, TX, 77030

Friday, March 13, 2026:
Virtual Zoom Lecture

Saturday, March 14, 2026: in person
UT Health Medical School
6431 Fannin St., Rm B230
Houston, TX 77030

OBJECTIVES

Target Audience

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

Learning Objectives

At the end of the educational program, the participants should be able to:

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

Part I: March 12, 2026 Thursday: CME = 4.0 hours (in person) Moderator: Dr. Faye Tan

7:00 AM Introduction with Breakfast:
Moderator: Dr. Faye Tan
7:15 AM MSK anatomy of the neck/arm -
Dr. Larry Robinson
8:15 AM MSK anatomy of the leg - Dr. Larry
Robinson
9:15 AM Break
9:30 AM MSKUS anatomy/injection
strategies of the arm/neck - Dr. Jeff Strakowski
10:30 AM MSKUS anatomy/injection
strategies of the leg - Dr. Jeff Strakowski
11:30 AM Adjourn

Part II: March 13, 2026 Friday : CME = 1.0 hour (virtual):

7:00–8:00 AM Electrodiagnosis - Dr. Lawrence
Robinson

Part III: March 14, 2026 Saturday : CME = 4.0 hours per learner (in person): Moderator: Dr. Tan

7:30 AM Breakfast
8 AM to 12 Noon
Cadaver lab: (rotate every hour to different stations)
Station 1: Prosectional anatomy of the cadaver
neck/arm/leg - Dr. Han Zhang
Station 2: Spasticity model injections/ resuspension
of toxin- Dr. Faye Tan
Station 3: Ultrasound guided dystonia and
botulinum injections migraine - Dr. Elaine Magat
Station 4: Ultrasound guided injections arm/leg -
Dr. Angela Cortez/ Dr. HY Lee
Station 5: Learning to use ultrasound machines Dr.
Angela Cortez/ Dr. HY Lee

Course Registration

Thursday March 12, 2026 to
Saturday, March 14, 2026

REGISTRATION LIMITED TO THE 1ST 50 PARTICIPANTS

Name

Affiliation

Address

City, State, Zip

Email

Please ✓ one:

- Private Practice -PMR
- Fellow-PMR
- Resident-PMR
- Faculty-PMR
- PMR interest—Medical Students

Since commercial support has been provided, course registration is FREE to the first 50 participants. Registration is required.