

Step 1 - Online Curriculum Includes:

1. Spasticity Overview

- Muscle Overactivity Syndromes: Definition and Pathophysiology
- Spasticity and Other Movement Disorders: Comparison of Spinal and Cerebral Origin Spasticity
- Spasticity Co-morbidities
- Effects of Spasticity on Muscle Extracellular Matrix (ECM) in Adults and Pediatrics
- Impact of Spasticity on Growth and Development - Cerebral Palsy as a Clinical Construct

2. Spasticity Assessment

- Measuring Spasticity
- Functional Evaluation and Treatment of Muscle Overactivity
- Goal Setting for Management of the UMNS with Case Scenarios
- Foot Volar and Dorsal

3. Common Patterns in Spasticity and Dystonia

- Common Clinical Patterns of Spastic Limbs and Cervical Dystonia

4. Treatment Options and Considerations

- Adult and Pediatric Limb Spasticity Management

5. Intrathecal Baclofen Therapy

- Identify Candidates for Intrathecal Baclofen Therapy
- Preparation for ITB Screening Test
- Executing an Intrathecal Baclofen Test Dose
- Bleeding and Infections: Guidelines for Intrathecal Management
- Intrathecal Baclofen Dosing and Long-Term Maintenance
- Intrathecal Baclofen Management
- Executing a Pump Refill with Ultrasound Guidance
- Management of Intrathecal Baclofen Withdrawal and Overdose
- Imaging Intrathecal Delivery Systems



STEP

skills | training | evaluation | performance

- The Utility of Electrodiagnostic Studies in the Management of Intrathecal Delivery Systems
- Interpreting Laboratory Data Relative to Intrathecal Baclofen Therapy Management
- Off Label Discussions for Intrathecal Baclofen Therapy
- Flex and Bolus Dose Programming

6. Nerve and Motor Point Blocks

- Diagnostic Nerve Blocks
- Phenol and Ethanol Blocks
- Phenol and Alcohol Blocks in Adults and Children
- Motor Point Blocks
- Evaluating Non-response to Treatment with Botulinum Toxin
- Safety Considerations for Botulinum Toxin Injections

7. Botulinum Toxin Injections

- Botulinum Toxin Mechanism of Action and Injection Preparation
- All About Botulinum
- Use of Botulinum Toxin in Pediatric Hypertonia
- Guidance Techniques for Neurotoxin Injections
- Ultrasound Guided Botulinum Toxin Injections for Focal, Task Specific Lower Limb Dystonia
- Ultrasound Guided Botulinum Toxin Injections for Post Stroke Dystonia/Spasticity
- Ultrasound Guided Botulinum Toxin Injections for Dystonia Associated with Cerebral Palsy
- Ultrasound Guided Botulinum Toxin Injections for Task Specific Focal Hand Dystonia
- Demonstration of Ultrasound Guided In-Plane Injections
- Causes for Secondary Non-Response
- Use of EMG for Localization of Gastrocnemius
- Electrical Stimulation



8. Surgical Management for Spasticity

- What Can Orthopedics Do for Your Patients?
- Neuro-Orthopaedics: Surgical Treatment of Spastic Limb Deformities

9. Spasticity Practice Management

- Intrathecal Baclofen (ITB) Therapy: Practice Management
- Understanding the Costs of Toxins and Other Neurolytics
- Practice Management in Academic Medicine
- Coding for Interventional Spasticity
- Practice Management
- Marketing Yourself as a Spasticity Expert
- Managing and Growing a Spasticity Practice

10. Emerging Techniques for Managing Spasticity

- Dry Needling for Spasticity Management
- Combining Spasticity Interventions
- Combined Use of Phenol and Botulinum Toxin (BoNT) for Spasticity Management
- Emerging and Alternative Spasticity Treatments