Advanced Ultrasound and Fluoroscopic Guided Lumbar Spinal Procedures

Monday, April 30, 2018
Academia, Singapore General Hospital
Singapore

Course Chairs:
David O’Brien, MD
Allen Chen, MD

Faculty:
David Fish, MD
Sanjog Pangarkar, MD
Scott Kreiner, MD
Chi-Tsai Tang, MD
Jeffrey Wang, MD

Course Description:
This one-day intensive workshop is intended to advance the existing skills of spine practitioners from a multi-specialty perspective. Distinguished faculty combines didactic instruction and hands-on lab-based training with topics related to the clinical evaluation of complex pain and functional impairment. Noninterventional rehabilitation to manage complex pain disorders combined with interventional skills also are included. Advanced management options including the role of radiofrequency rhizotomy (cervical and lumbar spine), vertebral augmentation options, neuromodulation including spinal cord stimulation, and intra-thecal therapies are presented.

Spinal anatomy, patient selection, and high yield clinical pearls (with radiographic correlations and quantitative functional assessment) are covered in depth. Interactive round-table discussions allow open discussion with attendees and faculty on important topics such as indications, risks, literature controversies in peer-review process, and pitfalls. Additionally, faculty will discuss outcome monitoring as part of the skill-set in treating complex pain disorders and their associated functional impairments and disability.

Upon completion of the course, participants will gain strategies to:
• Explain the role of advanced pain procedures in returning patients to function;
• Assess functional outcome measurement and optimum benchmarks;
• Comprehend the risks of advanced spinal interventions to patients;
• Identify physical and psychological barriers to return patients to function;
• Appreciate the value of interdisciplinary teams to maximize return to function;
• Identify the role of disuse atrophy and fear-inhibition in a cascade of declining health.

Disclaimer
NASS courses are created to enhance physician understanding of the complexity of performing these procedures only. The course is not designed to certify that attendees are proficient in the procedures taught in the course. NASS strongly advises participants to continue to have proctoring, mentoring and additional experience prior to treating patients.
Continuing Medical Education (CME) Information

This activity has been planned and implemented in accordance with the Essential Areas and Standards of the Accreditation Council for Continuing Medical Education (ACCME). The North American Spine Society is accredited by the ACCME to provide continuing medical education for physicians and takes responsibility for the content, quality and scientific integrity of this CME activity.

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

The American Medical Association has determined that physicians not licensed in the US to participate in this CME activity are eligible for AMA PRA Category 1 Credits™.

Agenda

Monday, April 30, 2018

9:00-9:05 a.m. Welcome and Introduction
Allen Chen, MD

9:05-9:20 a.m. Risks, Complications, and Radiation Safety
Chi Tsai Tang, MD

9:20-9:35 a.m. Percutaneous Facet Cyst Rupture
David O’Brien Jr., MD

9:35-9:50 a.m. Intrathecal Pumps
David Fish, MD

9:50-10:05 a.m. Lumbar Radiofrequency Ablation
Allen Chen, MD

10:05-10:20 a.m. Lumbar Discography
Scott Kreiner, MD

10:20-10:35 a.m. Vertebral Fracture Augmentation
Jeffrey Wang, MD

10:35-10:45 a.m. Break

10:45-11:00 a.m. Neuromodulation Stimulators
David Fish, MD

11:00-11:15 a.m. Ultrasound Anatomy and Injections
Sanjog Pangarkar, MD

11:15-11:30 a.m. Ultrasound vs. Fluoroscopic Techniques
Sanjog Pangarkar, MD

11:30-11:45 a.m. Biologics and Guided Injections
Allen Chen, MD
11:45-12:00 a.m. | Panel Discussion  
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|                  | All Faculty      |

12:00-1:00 p.m. | Lunch

| 1:00-5:00 p.m. | Hands-on Skills Lab  
|----------------|---------------------
|                | Bioskills Lab PSL1A, 1B, 1C |
|                | All Faculty         |

- Facet Joint Injections Techniques
- Lumbar Radiofrequency Ablation
- Cervical Medial Branch Blocks and Radiofrequency Ablation
- Vertebral Fracture Augmentation
- Spinal Cord Stimulators
- Intrathecal Pumps
- Ultrasound Guided Caudal Injections, SIJ injections
- Lumbar Disc Puncture/Discography

5:00 p.m. | Adjourn