

**Section on Minimally Invasive Procedures: Minimally Invasive Spine Surgery**

Tuesday, September 25

7:30 a.m.- 4:30 p.m.

Los Angeles Convention Center, Room 403A

Chairs: Nathaniel P. Brooks, MD

Christoph P. Hofstetter, MD, PhD

Karthik Madhavan, MD

Khoi D. Than, MD

This course will provide a targeted focus on current minimally invasive techniques to the spine, including posterior, lateral, OLIF, navigation, robotic, and endoscopy techniques. A short didactic lecture section, will be followed by a comprehensive program that will afford attendees an opportunity for guided practice in the hands-on cadaver bioskills lab. Space will be limited to maximize hands-on time for the participant.

**Upon completion of this course, participants should gain strategies to:**

- Recognize the theories behind MIS spine techniques;
- Describe the benefits of each approach to the spine through minimally invasive techniques;
- Integrate Navigation/Robotics into a minimally invasive practice setting;
- Avoid complications through anatomic considerations;
- Recognize the common complications of each approach to the spine using minimally invasive techniques;
- Apply the principles and techniques acquired directly into their patient care of simple and complex spinal disorders.

**Audience**

This course is for orthopedic surgeons and neurosurgeons who are involved in spine care and is limited to a maximum of 40 participants to ensure maximum lab exposure.

**Credits**

The North American Spine Society designates this live activity for a maximum of 8 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

7:30 a.m. Continental Breakfast/ Registration

7:45-7:50 a.m. Introduction  
*Nathaniel P. Brooks, MD*

7:50-8:05 a.m. Endoscopic TLIF  
*Christoph P. Hofstetter, MD, PhD*

8:05-8:20 a.m. Endoscopic Interliminar  
*Nathaniel P. Brooks, MD*

8:20-8:35 a.m. MIS TLIF  
*Choll W. Kim, MD, PhD*

8:35-8:50 a.m. Anterior to Psoas  
*Seth K. Williams, MD*

8:50-9:05 a.m. OLIF  
*Yi Lu, MD, PhD*

9:05-9:20 a.m. XLIF  
*Juan S. Uribe, MD*

9:20-9:35 a.m. Percutaneous Screw Placement  
*Khoi D. Than, MD*

9:35-9:45 a.m. Discussion, Questions and Answers

9:45-10:00 a.m. BREAK

**10:00 a.m.-12:15 p.m. Hands-on Skills Lab**  
*All Faculty*

12:15-1:00 p.m. Lunch Presentation  
MIS Complications and Avoidance  
*Nathaniel P. Brooks, MD*

**1:00-4:30 p.m. Hands-on Skills Lab**  
*All Faculty*

Endoscopic Interlaminar  
*Christoph P. Hofstetter, MD, PhD*

MIS TLIF: MIS Transforaminal Lumbar Interbody Fusion Indications and Techniques  
*Choll W. Kim, MD; Seth K. Williams, MD*

Percutaneous Instrumentation Technique: Fluoro, Navigation and Robot  
*Khoi D. Than, MD; Karthik Madhavan, MD*

Lateral Interbody Techniques  
*Juan S. Uribe, MD; Yi Lu, MD, PhD*

TLIF and Cortical Screws  
*Jeffrey S. Roh, MD*

4:30 p.m. Course Adjourns