



**11<sup>th</sup> Annual MIS Spine Symposium:  
Contemporary Techniques and Emerging Technologies  
Saturday, September 13, 2025**

**AGENDA**

7 a.m.           **Breakfast, Exhibits & Registration**

7:30 a.m.       **Welcome & Course Overview**

*Paul Park, M.D., Rod Oskouian, Jr., M.D., & Christoph Hofstetter, M.D., Ph.D.*

**Session 1: Unaccredited Content**

7:35 a.m.       **Minimally Invasive Posterior Cervical Fusion - the CORUS System**

*Pierce Nunley, M.D.*

7:50 a.m.       **Q & A**

7:55 a.m.       **Live Demonstration Broadcast from BioSkills Lab No. 1**

**CORUS posterior cervical fusion**

*Pierce Nunley, M.D.*

8:15 a.m.       **Q & A**

8:20 a.m.       **New Drill Technology**

*Victor Chang, M.D.*

8:35 a.m.       **Q & A**

8:40 a.m.       **Live Demonstration Broadcast from BioSkills Lab No. 2**

**New Drill Technology**

*Victor Chang, M.D.*

9 a.m.           **Q & A**

9:05 a.m.       **Breaks & Exhibits** *(not for CME credit)*

**ACCREDITED CONTENT BEGINS**

## Session 2: Innovations in MIS Surgery

9:35 a.m. **Current and future robotic applications in MIS spine surgery**

*Theresa Pazonis, M.D.*

**Objectives:**

- Describe current robotic applications
- Describe how advantages of robotics in MIS spine surgery
- Discuss future robotic technology in MIS spine surgery

9:50 a.m. **Q & A**

9:55 a.m. **Novel AR Applications in MIS Surgery**

*Roger Härtl, M.D*

**Objectives:**

- Discuss current AR applications
- Discuss AR negatives
- Discuss future AR innovations

10:10 a.m. **Q & A**

10:15 a.m. **Navigation Prone Transposas Lumbar Interbody Fusion**

*Andrew K. Chan, MD (Columbia University)*

**Objectives:**

- Discuss PTP indications
- Discuss impact of navigation on PTP
- Discuss technique for navigated PTP

10:30 a.m. **Q & A**

10:35 a.m. **Break & Exhibits** (*not for CME credit*)

10:50 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**  
**Andrew K. Chan, MD Navigated PTP (?Globus vs ATEC)**  
**TBD**

- *Show positioning*
- *Show registration for navigation*
- *Show technique with nav assistance*

11:20 a.m. **Q & A**

11:25 a.m. **3D Navigated Lateral L5-S1 ALIF (Can put in different topic here)**

*Paul Park, M.D.*

**Objectives:**

- Describe techniques for incorporating 3D navigation into the lateral ALIF procedure

- Outline the advantages of utilizing navigation for lateral procedures

11:40 a.m. **Q & A**

### **Session 3: Emerging Trends in MIS Surgery**

11:45 a.m. **MIS Lateral Approaches to the TL Junction**

*Rock Patel, MD (University of Michigan)*

**Objectives:**

- Identify pathology amenable for this approach
- Describe surgical maneuvers to facilitate an efficient approach

12:00 p.m. **Q & A**

12:05 p.m. **Break & Pick Up Lunch** (*not for CME credit*)

12:40 p.m. **Live Demonstration Broadcast from BioSkills Lab No.4**

**Retropleural/Retrodiaphragmatic Approach with Corpectomy** (?Medtronic, Globus, ATEC)

*Rock Patel, MD*

**Objectives:**

- Demonstrate the retropleural/retrodiaphragmatic approach
- Outline the surgical maneuvers to facilitate an efficient approach

1:00 p.m. **MIS Lateral Lumbar Corpectomy**

*Kevin Swong, MD (Northwestern University)*

**Objectives:**

- Identify ideal candidate
- Describe set-up
- Describe surgical maneuvers to facilitate an efficient approach

1:20 p.m. **Q & A**

1:30 p.m. **Uniportal Laminectomy for Bilateral Decompression**

*Patrick Kim, MD*

**Objectives:**

- Describe the ideal candidate
- Describe set-up
- Describe surgical technique to facilitate an efficient approach

1:50 p.m. **Q & A**

1:55 p.m. **Break & Exhibits** (*not for CME credit*)

2:10 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 5**

**Uniportal Laminectomy for Bilateral Decompression**

*Patrick Kim, MD*

**Objectives:**

- Demonstrate set-up
- Outline the surgical maneuvers to facilitate an efficient approach

2:40 p.m. **Q & A**

2:45 p.m. **Uni-portal Endoscopic interlaminar discectomy**

*Osama Kashlan, MD*

**Objectives:**

- Identify the ideal candidate
- Outline the indications for this approach
- Recognize the differences between lateral and prone position approaches

3 p.m. **Q & A**

3:05 p.m. **Endoscopic Cervical Foraminotomy**

*Christoph Hofstetter, M.D.*

**Objectives:**

- Identify ideal candidate
- Describe set-up
- Describe surgical maneuvers to facilitate an efficient approach

3:15 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 6**  
**Endoscopic Cervical Foraminotomy (?Joimax, Arthrex)**

*Christoph Hofstetter, MD*

**Objectives:**

- Demonstrate set-up
- Outline the surgical maneuvers to facilitate an efficient approach

3:45 p.m. **Break & Change into scrubs**

**SECTION 4: HANDS-ON BIOSKILLS LAB**

4:00 p.m. **Hands-On BioSkills Lab** (*Attendees will be assigned 2 stations since not enough time or cadavers, will switch after 45 minutes*)

*All Faculty*

1. CORUS
2. Nav PTP
3. Cervical Endo
4. Lumbar Endo
5. Uniportal Laminectomy for Bilateral Decompression

**Objectives:**

- Practical experience with MIS techniques

5:40 p.m.

**Adjourn**

## ESTEEMED FACULTY

### **Christoph Hofstetter, M.D., Ph.D.**

#### **Course Co-Chair**

Associate Professor  
Fellowship Program Co-Director  
Director of Spine Surgery  
University of Washington Medical Center  
Seattle, Washington

### **Rod J. Oskouian, Jr., M.D., FAANS**

#### **Course Co-Chair**

Chief of Spine  
Swedish Neuroscience Institute  
Seattle, Washington

### **Paul Park, M.D.**

#### **Course Co-Chair**

Neurosurgeon  
Semmes Murphy  
Memphis, Tennessee

### **Andrew K. Chan, MD**

Director of MISS, Director of Neurosurgical Spine  
Research  
Columbia University Irving Medical Center  
New York, New York

### **Victor W. Chang, MD**

Neurosurgeon  
Henry Ford Health System  
West Bloomfield, Michigan

### **Roger Härtl, M.D.**

Hansen-MacDonald Professor of Neurological  
Surgery  
Director of Spinal Surgery, Weill Cornell Medicine  
Neurosurgical Director, Ochsner at New York-  
Presbyterian / Weill Cornell Medical Center  
New York, New York

### **Mahesh Karandikar, M.D.**

Spine Surgeon, Neurosurgeon  
University of Washington Medicine  
Seattle, Washington

### **Osama Kashlan, M.D.**

Minimally Invasive Spine Surgeon  
New York Presbyterian Hospital  
Brooklyn, New York

### **Patrick Kim, M.D.**

Assistant Professor, Neurosurgery, Brain & Spine  
University of South Florida Health  
Tampa, Florida

### **Pierce Nunley, M.D.**

Director of the Spine Institute  
Spine Institute of Louisiana  
Shreveport, Louisiana

### **Theresa Pazonis, M.D.**

Associate Professor, Orthopaedic Surgery & Sports  
Medicine  
Temple Health  
Philadelphia, Pennsylvania

**Rakesh D. Patel, M.D.**

Clinical Professor, Orthopaedic Surgery,  
Orthopaedic Surgery of the Spine  
University of Michigan Health  
Ann Arbor, Michigan

**Kevin Swong, M.D.**

Spine Surgeon, Neurological Surgeon  
Northwestern Medical Group  
Chicago, Illinois