



11th Annual Advanced Lateral Approaches to the Spine

Saturday, May 10, 2025

Agenda

- 7 a.m. **Registration & Breakfast**
- 7:30 a.m. **Welcome, Introductions & Course Overview**
Juan S. Uribe, M.D., William Taylor, M.D., & Rod J. Oskouian, Jr., M.D.
- 7:35 a.m. **Multilevel Prone with MIS Deformity**
Nima Alan, M.D.
Objectives:
- Describe the rationale for prone lateral in deformity
 - Describe tips and tricks for this approach
 - Outline the potential pitfalls of this approach for deformity
- 7:55 a.m. **Retropleural Approach for the Management of Thoracic Disc Herniations - Nuances of Surgical Indications and Technique**
Juan Uribe, M.D.
Objectives:
- Evaluating surgical indications for the Retropleural approach in Thoracic Disc Herniations
 - Mastering the nuances of Retropleural Surgical Technique
- 8:15 a.m. **When and How to utilize the OLIF**
Martin Pham, M.D.
Objectives:
- Identify complications related to stand alone lateral
 - Outline the indications for stand-alone lateral
- 8:35 a.m. **Adoption of Navigation & Its Use in Lateral Surgery**
Martin Pham, M.D.
Objectives:
- Describe the advantages and disadvantages of using image guidance in lateral access surgery
 - Outline the safety checks to confirm accuracy of image guidance intraoperatively
 - Evaluate the utility of image guidance to navigate non-bony anatomy in lateral access surgery

- 8:55 a.m. **Difficult Lateral Cases**
Rod J. Oskouian, Jr., M.D.
Objectives:
- Describe how to deal with difficult lateral cases
 - Discuss updated techniques for improved outcomes

9:15 a.m. **Break & Exhibits** (*not for CME credit*)

- 9:25 a.m. **Lab Demonstration No. 1: Prone Lateral with Robot**
Martin Pham, M.D.
Objectives:
- Outline proper retractor placement
 - Identify lateral interbody fusion following posterior treatment of adult spinal deformity patients
 - Describe techniques and clinical outcomes for delayed second-stage lateral surgery following posterior adult deformity correction

- 9:55 a.m. **Pushing the Boundaries of Lateral Surgery**
William Taylor, M.D.
Objectives:
- Identify common barriers to lateral surgery adoption
 - Outline current enabling technology in lateral surgery
 - Recognize opportunities for further development

10:15 a.m. **Break & Exhibits** (*not for CME credit*)

- 10:25 a.m. **Lab Demonstration No. 2: Prone Lateral with Robot**
Amir Abdul-Jabbar, M.D.
Objectives:
- Describe patient positioning and setup
 - Master robotic assisted workflow
 - Recognize potential challenges and solutions

- 10:55 a.m. **Lumbar Alignment**
Jens Chapman, M.D.
Objectives:
- Describe the Importance of lumbar alignment
 - Identify common misalignments and their effects
 - Implement strategies for optimal lumbar alignment

- 11:15 a.m. **Lab Demonstration No. 3: Nuances of the Lateral Approach to the Lumbar Spine**
Nima Alan, M.D.
Objectives:
- Describe the nuances of the lateral approach to the lumbar spine
 - Outline important anatomic considerations in this approach
 - Summarize potential complications

- 11:45 a.m. **Pick Up Lunch** (not for CME credit)
- 12:00 p.m. **Sagittal Plane Optimization in Prone Transposas Lateral Interbody Fusion (PTP LIF)**
Zachary NaPier, M.D.
Objectives:
- Describe sagittal alignment goals and outcomes in lateral surgery in lateral decubitus and prone positions
 - Present techniques for optimizing sagittal alignment in prone lateral fusion
- 12:25 p.m. **Lateral Corpectomy**
Juan Uribe, M.D.
Objectives:
- Describe the anatomy and approach for lateral corpectomy for trauma
 - Outline indications for lateral corpectomy for trauma
- 12:45 p.m. **Intradiscal Osteotomy**
Jens R. Chapman, M.D.
Objectives:
- Identify complications related to intradiscal osteotomy
 - Outline the indications for intradiscal osteotomy
 - When and where do you do an IDO?
- 1:05 p.m. **Complication Avoidance in Lateral Surgery**
Juan Uribe, M.D.
Objectives:
- Lumbar plexus injuries
 - Chest wall management
 - Visceral organs
- 1:25 p.m. **Break & Exhibits** (not for CME credit)
- 1:45 p.m. **Tips, Tricks and Patient Selection in Lateral Surgery**
Elizabeth Lord, M.D.
Objectives:
- Demonstrate use of the lateral approach to various regions of the spine
 - Explain nuances of the surgical techniques
 - Appraise patient selection and indications for the lateral approach

2:05 p.m. **Why go Prone versus Lateral and does it really matter?**

William Taylor, M.D.

Objectives:

- Does prone make a difference in alignment?
- How about operating room costs and setup?
- Appraise patient selection and indications for prone versus lateral

UNACREDITED SESSION

2:25 p.m. **Breaks & Exhibits** *(not for cme)*

2:55 p.m. **Lab Demonstration No. 4: Prone Lateral Tips & Tricks** - *(not for cme)*

Luiz Pimenta, M.D.

Objectives:

- **Describe the principles and techniques for the lateral approach**
- **Outline important anatomic considerations in prone lateral surgery**
- **Summarize potential complications**

3:25 p.m. **MIS Lateral for Deformity Surgery** *(not for cme)*

Neel Anand, M.D.

Objectives:

- Describe how MIS can be applied to adult deformity cases and the advantages of these techniques over traditional open operations
- Identify key features that may make performing MIS surgery more challenging or dangerous
- Outline how different enabling technologies can allow you to perform MIS deformity surgery more efficiently and safely

3:45 p.m. **Prone PPT vs. LLIF vs OLIF Evolution** - *(not for cme)*

Luiz Pimenta, M.D.

Objectives:

- Identify complications related to prone lateral approach
- Outline the indications for prone lateral surgery
- Recognize the differences between lateral and prone position approaches

4:05 p.m. **Lab Demonstration No. 5: Subcostal, Subdiaphragmatic Lateral Approach with Corpectomy** *(not for cme)*

Neel Anand, M.D.

Objectives:

- Explain the anatomy of the TL junction
- Present an MIS way of approaching L1-2
- Recognize the potential pitfalls of this approach

4:35 p.m. **Course Wrap Up**

4:45 p.m. **Adjourn**

DISTINGUISHED FACULTY

COURSE CHAIRMEN

Juan S. Uribe, M.D., FAANS

Professor of Neurosurgery
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Neurosurgeon
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Luiz Pimenta, M.D., Ph.D.

Associate Professor, University of California San Diego
Medical Director
Instituto de Patologia da Coluna
Sao Paulo, Brazil

Surgical Demonstrations Assisted by the Swedish Neuroscience Institute Fellows

Colin Gold, MD, Cameron Hogsett, DO, Mark Kraemer, MD & Nicholas Minissale, DO

