



9th Annual Advanced Lateral Approaches to the Spine Saturday, April 1, 2023

AGENDA

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

7:30 a.m. **Welcome & Course Overview**
Juan S. Uribe, M.D., & Rod J. Oskouian, Jr., M.D.

SESSION 1: LATERAL APPROACHES

7:35 a.m. **Anterior vs. Transpoas Approaches to the Lumbar Spine**
Vedat Deviren, M.D.

Objectives:

- Summarize the best use of anterior and transpoas approaches to the lateral spine
- Outline and recognize complications with various approaches to the lateral spine
- Identify disadvantages and advantages of both approaches

7:55 a.m. **Q&A**

8 a.m. **Lateral Approach for Deformity Correction – When and How?**
Neel Anand, M.D.

Objectives:

- Outline indications for delayed second-stage 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

8:20 a.m. **Q&A**

8:25 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 1**
Subcostal, Subdiaphragmatic Lateral Approach to L1-2 Without Rib Resection

Jerry Robinson, M.D.
Moderator: Neel Anand, M.D.

Objectives:

- Explain anatomy of TL junction
- Present MIS way of approaching L1-2
- Recognize pitfalls to avoid and look for

8:55 a.m. **What Are The Benefits of Transpoas Approaches to the Lateral Spine?**
Adam Kanter, M.D.

Objectives:

- Summarize the best use of transpoas approaches to the lateral spine
- Outline the anatomy of the lumbar plexus
- Describe how to avoid complications

9:15 a.m. **Q&A**

9:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 2**
Prone Lateral Tips and Tricks
Luiz Pimenta, M.D., Ph.D.
Moderator: Rod J. Oskouian Jr., M.D.

10 a.m. **What Are The Benefits of Going Anterior to the Psoas?**
Richard A. Hynes, M.D.

Objectives:

- Explain lumbar plexus complication avoidance
- Identify how to achieve low neurologic complications
- Recognize safe and easily accessible corridor

10:20 a.m. **Q&A**

10:25 a.m. **Minimizing Lumbar Plexus Injuries**

Rod J. Oskouian Jr., M.D.

Objectives:

- Interpret neuromonitoring
- Identify retractor time
- Distinguish lumbar L4-5 plexus anatomy

10:40 a.m. **Q&A**

10:45 a.m. **Break & Exhibits** (*not for CME credit*)

SESSION 2: PRONE LATERAL

11 a.m. **Why Go Prone vs. Lateral?**

William Taylor, M.D.

Objectives:

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

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

11:25 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**
Direct Plated Lateral

Rod J. Oskouian Jr., M.D.

Moderator: Juan Uribe, M.D.

SESSION 3: ADVANCED LATERAL – CORPECTOMIES, ANTERIOR COLUMN RELEASE, THORACOLUMBAR, AND MULTILEVEL APPROACHES

12:10 p.m. **Thoracolumbar Junction Anatomy & Approaches**

Juan Uribe, M.D.

Objectives:

- Outline how to deal with the diaphragm and pulmonary cavity with thoracic approaches
- Describe postoperative care for the thoracic approach
- Provide pearls for how to avoid complications with the thoracic approach

12:40 p.m. **Q&A**

12:45 p.m. **Break, Exhibits & Pick Up Lunch** (*not for CME credit*)

12:55 p.m. **The Direct Lateral, Pre-Psoas Approach: Safe, Efficient, and Reproducible** (*virtual/*

working lunch)
Christopher Holland, M.D., Ph.D.

Objectives:

- Demonstrate the direct lateral, pre-psoas approach
- Safely access the thoracolumbar spine for lateral interbody fusion
- Adapt this approach to diverse pathological conditions

1:10 p.m. **Q&A**

1:15 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 4**
Thoracolumbar Junction (TLJ) from the Lateral Approach

Nima Alan, M.D. & Juan Uribe, M.D.

Moderator: William Taylor, M.D.

Objectives:

- Outline indications for diaphragm mobilization during approaches of the TLJ
- Differentiate the different portions of the TLJ related to the lateral approach
- Differentiate the indication for retro-plural approach vs. transthoracic approach for the TLJ

2 p.m. **Applications of Robotics in Lateral Spine Surgery**

Paul Park, M.D.

Objectives:

- Describe the role of robots in lateral spine surgery
- Outline the pros and cons of robotics in lateral spine surgery
- Discuss why to use a robot

2:10 p.m. **Q&A**

2:25 p.m. **Why Not Go All Posterior?**

Jens R. Chapman, M.D.

Objectives:

- Describe the posterior based TL deformity correction surgery
- Discuss updated techniques for improved outcomes
- Outline a proposal for an integrated approach

2:30 p.m. **Q&A**

2:45 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 5**
Robotics in Lateral Spine Surgery

Paul Park, M.D.

Moderator: Adam Kanter, 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

3:30 p.m. **Break, Exhibits & Change into Scrubs** (*not for CME credit*)

3:40 p.m. **Hands-on BioSkills Lab**

All Faculty

Practice the following procedures:

- Anterior column reconstruction for deformity correction
- Prone lateral approach/corpectomy
- Thoracolumbar junction (TLJ) from the lateral approach

- Robotic lateral approach

Objectives:

- Demonstrate use of the lateral approach to various regions of the spine
- Explain how to avoid complications with the lateral technique
- Appraise patient selection and indications for the lateral approach

5 p.m.

Adjourn

DISTINGUISHED FACULTY

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Chief Division of Spinal Disorders
Volker K. H. Sonntag Chair of Spine Research
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