

8th Annual Advanced Lateral Approaches to the Spine Saturday, March 5, 2022

AGENDA

- 7 a.m. **Registration & Breakfast**
- 7:30 a.m. **Welcome & Course Overview**
Juan S. Uribe, M.D., & Rod J. Oskouian, Jr., M.D.
- 7:35 a.m. **Prepsoas Approaches to the Lateral Spine**
Richard Hynes, M.D.
Objectives:
- Summarize the best use of prepsoas approaches to the lateral spine
 - Outline and recognize complications with prepsoas approaches to the lateral spine
- 7:45 a.m. **Q&A**
- 7:50 a.m. **Transpsoas Approaches to the Lateral Spine**
Adam Kanter, M.D.
Objectives:
- Summarize the best use of transpsoas approaches to the lateral spine
 - Outline the anatomy of the lumbar plexus
 - Describe how to avoid complications
- 8 a.m. **Q&A**
- 8:05 a.m. **Single Position Surgery: Lateral**
Vedat Deviren, M.D.
Objectives:
- Describe the pillars of single position surgery in lateral decubitus
 - Discuss strategies to approach L5S1 in lateral position avoiding complications
 - Outline the steps to perform 360 reconstruction in lateral position
- 8:15 a.m. **Q&A**
- 8:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 1**
Prone Lumbar Corpectomy
Rod J. Oskouian, Jr., M.D.
Moderator: Juan S. Uribe, M.D.
Objectives:
- Outline the positioning for prone lumbar corpectomy
 - Outline tips and tricks for this approach
 - Summarize potential complications
- 9:05 a.m. **Why Go Prone Lateral vs. Lateral?**
Juan S. Uribe, 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

9:15 a.m. Q&A

9:20 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 2**
Single Position Prone Transpoas Approach

Luiz Pimenta, M.D., Ph.D.

Moderator: Rod J. Oskouian, Jr., M.D.

Objectives:

- Outline the positioning for prone lateral approach
- Outline tips and tricks for this approach
- Summarize potential complications

10:05 a.m. **Break & Exhibits** (*not for CME credit*)

10:15 a.m. **MIS Deformity: When & How?**

TBD

Objectives:

- Determine the most appropriate surgical approach in adult spinal deformity (ASD) patients
- Outline the elements involved in surgical decision making for ASD
- Apply the concepts of circumferential MIS to ASD cases

10:25 a.m. Q&A

10:30 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**
Anterior Column Release

Neal Anand, M.D.

Moderator: Juan S. Uribe, M.D.

Objectives:

- Outline the steps involved in retractor placement
- Summarize how to safely take the anterior longitudinal ligament
- Discuss how to avoid complications

11:15 a.m. **Why Go Anterior When You Can Do Everything Posteriorly?**

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

11:25 a.m. Q&A

11:30 a.m. **Thoracic Approaches: Lateral vs. Prone**

William Taylor, 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

11:45 a.m. Q&A

11:50 a.m. Potential Pitfalls of Anterior Spine Access
Noojan Kazemi, M.D.
Objectives:

- Describe the vascular anatomy of the anterior lumbar spine
- Outline tips and tricks to enhance safety in gaining access to the lumbar spine

12 p.m. Q&A

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

12:20 p.m. Live Demonstration Broadcast from BioSkills Lab No. 4
Robotics in Lateral Spine Surgery
Paul Park, M.D.
Moderator: Jens R. Chapman, M.D.
Objectives:

- Outline proper retractor placement
- Discuss how to manage the lumbar plexus
- Describe how to avoid vascular structures

1 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

1:10 p.m. Q&A

1:15 p.m. Thoracic Vertebrectomy
Noojan Kazemi, M.D.
Objectives:

- Outline the technique for thoracic procedures
- Discuss what do with the lungs
- Discuss whether to use a chest tube or not

1:20 p.m. Q&A

1:25 p.m. Live Demonstration Broadcast from BioSkills Lab No. 5
Management of the Thoracolumbar Junction from the Lateral Approach
Rod J. Oskouian, Jr., M.D.
Moderator: Paul Park, M.D.
Objectives:

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

2:10 p.m. Lateral Surgery for Adult Deformity
Gregory Mundis, M.D.
Objectives:

- TBD

2:20 p.m. Q&A

2:25 p.m.

Hands-on BioSkills Lab

All Faculty

Practice the following procedures:

- Thoracolumbar junction from the lateral approach
- Anterior column release
- Single position prone transpsoas approach
- Prone lumbar corpectomy
- Robotic lateral approach

Objectives:

At the conclusion of this lab session, the attendee will provide better patient care through an increased ability to:

- 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 appropriateness of the lateral approach

4 p.m.

Adjourn

ESTEEMED FACULTY

Juan S. Uribe, M.D., FAANS
Course Co-Chair
Professor of Neurosurgery
Chief Division of Spinal Disorders
Volker K. H. Sonntag Chair of Spine Research
Barrow Neurological Institute
Phoenix, Arizona

Neel Anand, M.D.
Director of Spine Trauma
Cedars-Sinai Medical Center
Los Angeles, California

Vedat Deviren, M.D.
Orthopaedic Surgeon
UCSF Health
San Francisco, California

Adam Kanter, M.D.
Professor of Neurosurgery
Chief, UPMC Presbyterian Spine Service
Director, Minimally Invasive Spine Program
University of Pittsburgh
Pittsburgh, Pennsylvania

Gregory Mundis, M.D.
Spine Surgeon
Scripps Health
La Jolla, California

Luiz Pimenta M.D., Ph.D.
Medical Director
Instituto de Patologia da Coluna
Sao Paulo, Brazil

Rod J. Oskouian, Jr., M.D.
Course Co-Chair
Chief of Spine
Director, Spine Fellowship Program
Swedish Neuroscience Institute
Seattle, Washington

Jens R. Chapman, M.D.
Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Richard A. Hynes, M.D.
President & Spine Surgeon
The B.A.C.K. Center
Melbourne, Florida

Noojan Kazemi, M.D., FACS, FRACS
Associate Professor
University of Arkansas
Little Rock, Arkansas

Paul Park, M.D.
Director, Neurosurgery Spine Program
Professor, Neurological & Orthopaedic Surgery
University of Michigan
Ann Arbor, Michigan

William Taylor, M.D.
Professor of Neurosurgery
University of California San Diego
San Diego, California