



***8th Annual
Advanced Lateral Approaches
to the Spine***

Saturday, March 5, 2022

Syllabus

DISTINGUISHED FACULTY

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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. **Prepsaos Approaches to the Lateral Spine (virtual)**

Richard Hynes, M.D.

Objectives:

- Summarize the best use of prepsaos approaches to the lateral spine
- Outline and recognize complications with prepsaos approaches to the lateral spine

7:45 a.m. **Q&A**

7:50 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 1**

L4-L5 Lateral with Plating

James Lynch, M.D. & Jared Cooke, D.O.

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

Objectives:

- Describe how plating contributes to the overall strength of the construct
- Outline why integrated plates make insertion quicker and easier
- Summarize how plates can lead to more options for supplemental fixation

8:25 a.m. **Second Stage Lateral Surgery Following Posterior Adult Deformity Correction**

Robert Hart, 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

8:35 a.m. **Q&A**

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

Prone Lumbar Corpectomy

Juan S. Uribe, M.D. & Jared Cooke, D.O.

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

Objectives:

- Outline the positioning for a prone lumbar corpectomy
- Outline tips and tricks for a prone lumbar corpectomy
- List potential complications

9:25 a.m. **Transpsaos Approaches to the Lateral Spine (virtual)**

Adam Kanter, M.D.

Objectives:

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

9:35 a.m. **Q&A**

9:40 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

9:50 a.m. Q&A

9:55 a.m. Break & Exhibits *(not for CME credit)*

10:05 a.m. Live Demonstration Broadcast from BioSkills Lab No. 3

Lateral T12 Corpectomy

Rod J. Oskouian, Jr., M.D. & Jerry Robinson, M.D

Moderator: Juan S. Uribe, M.D.

Objectives:

- Demonstrate a lateral corpectomy
- Outline the indications for a lateral corpectomy
- Identify complications related to a lateral corpectomy

10:50 a.m. Navigated Prone Lateral for Deformity: Indications & Applications

John Asghar, M.D.

Objectives:

- Describe the main features of the technique including positioning, anatomical considerations of the psoas and plexus in prone position and lumbar lordosis
- Define which is the group of patients that benefit the most from the technique and how to tackle difficult cases
- Determine the learning curve for a navigated prone lateral surgery with pearls and pitfalls for setup and execution

11 a.m. Q&A

11:05 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

11:15 a.m. Q&A

11:20 a.m. Live Demonstration Broadcast from BioSkills Lab No. 4

ACR Through a Pre-Psoas Approach

Neel Anand, M.D. & Nathan Pratt, 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

12:05 p.m. Q&A

12:10 p.m. Break, Exhibits & Pick Up Lunch *(not for CME credit)*

12:20 p.m. Applications of Robotics in Lateral Spine Surgery (*working lunch*)

Noojan Kazemi, 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

12:30 p.m. Q&A

12:35 p.m. Live Demonstration Broadcast from BioSkills Lab No. 5

Management of the Thoracolumbar Junction (TLJ) from the Lateral Approach

Juan Uribe, M.D. & Nathan Pratt, M.D.

Moderator: Neel Anand, 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

1:20 p.m. LLIF & Thoracolumbar Junction

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

1:30 p.m. Q&A

1:35 p.m. Live Demonstration Broadcast from BioSkills Lab No. 6

Robotics in Lateral Spine Surgery

Noojan Kazemi, M.D. & Zac Tataryn, M.D.

Moderator: William Taylor, 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

2:20 p.m. Anterior Column Approaches (*virtual*)

Vedat Deviren, M.D.

Objectives:

- Summarize why you should go lateral
- Describe the benefits of going anterior to the psoas
- Outline the difference between prone and lateral

2:30 p.m. Q&A

2:35 p.m. **Live Demonstration Broadcast from BioSkills Lab No. 6**

Single Position Prone Transpsoas Approach

Luiz Pimenta, M.D., Ph.D. & Zac Tataryn, M.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

3:20 p.m. **Break, Exhibits & Change into Scrubs** (*not for CME credit*)

3:30 p.m. **Hands-on BioSkills Lab**

All Faculty

Practice the following procedures:

- Thoracolumbar junction from the lateral approach
- Lateral approach to the spine
- 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

5 p.m. **Adjourn**

Acknowledgements

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Viseon

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Purpose: The information provided addresses several requirements of the ACCME to help **ensure purpose** in CME activities. Everyone in a position to control the content of a CME activity must disclose all relevant financial relationships with commercial interests to the CME provider. This information must be disclosed to participants prior to the beginning of the activity. Also, CME providers must resolve current conflicts of interest prior to the educational activity.

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Faculty Disclosure Summary

The following planners and presenters, in the past 24 months, have/had a financial relationship with a commercial interest: (*S = Speaker; P = Planner*)

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John Asghar, M.D. (S): Consultant: Adcura, Globus Medical, Medtronic, NuVasive, Pacira, SeaSpine, Biedermann Motech, 4-Web; Stockholder: Stryker; Advisor: Surgeon Tech, Diffusion Spine

Jens R. Chapman, M.D. (S): Consultant: Globus Medical

Vedat Deviren, M.D. (S): Consultant: ATEC Spine, Medtronic, SeaSpine; Patent Beneficiary: NuVasive, Zimmer Biomet

Robert A. Hart, M.D. (S): Consultant: DePuy Synthes, Mirus, Medtronic, Orthofix, SeaSpine, Amplify, SpineArt, Allosource; Speaker: DePuy Synthes, Globus Medical; Royalties: DePuy Synthes, Globus Medical, SeaSpine

Adam Kanter, M.D. (S): Royalties: NuVasive, Zimmer Biomet; Consultant: NuVasive

Rod J. Oskouian, Jr., M.D. (S,P): Consultant: ATEC Spine, Blue Ocean Spine, DePuy Synthes, Globus Medical, SeaSpine, Stryker; Royalties: Globus Medical, Stryker

Luiz Pimenta, M.D., Ph.D. (S): Consultant: ATEC Spine; Stock Holder: ATEC Spine; Royalties: ATEC Spine; Intellectual Property Rights: ATEC Spine

William Taylor, M.D. (S): Consultant: NuVasive, ATEC Spine

Juan S. Uribe, M.D. (S,P): Consultant: NuVasive, SI Bone, Providence Medical Tech, Misonix, Viseon, Mainstay Medical

The following planners and presenters, in the past 24 months, have/had no financial relationship with a commercial interest: (*S = Speaker; P = Planner*)

Richard Hynes, M.D. (S)

Noojan Kazemi, M.D. (S)

James Lynch, M.D. (S)

Jonathan Plümer, M.D. (P)

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