10th Annual Advanced Lateral Approaches to the Spine

Saturday, April 6, 2024

at the Seattle Science Foundation

Agenda

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

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

7:35 a.m. **Keynote:**
Why Go Prone vs. Lateral?
William Taylor, 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

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

8 a.m. **When and How To Do Stand Alone Lateral**
Juan Uribe, M.D.
Objectives:
- Identify complications related to standalone lateral
- Outline the indications for standalone lateral

8:15 a.m. **Q & A**

8:20 a.m. **Adoption of Navigation & Its Use in Lateral Surgery**
Nima Alan, 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

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

8:40 a.m. **Why Not Go All Posterior?**
Venu Nemani, M.D., Ph.D.
Objectives:
- Describe the posterior-based TL deformity correction surgery
- Discuss updated techniques for improved outcomes
- Outline a proposal for an integrated approach

8:55 a.m. **Q & A**

9 a.m. **MIS Lateral for Deformity**
Corey Walker, 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

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

9:20 a.m. **Break & Exhibits** *(not for CME credit)*

9:35 a.m. **Lab Demonstration No. 1**
Prone Lateral with Robot
Roland Kent, 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

10:15 a.m. **Pushing the Boundaries of Lateral Surgery**
M. Craig McMains, M.D.
Objectives:
- Identify common barriers to lateral surgery adoption
- Outline current enabling technology in lateral surgery
- Recognize opportunities for further development

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

10:35 a.m. **Multilevel Prone with MIS Deformity**
Elizabeth Lord, M.D.
Objectives:
- Identify complications related to multilevel prone with MIS deformity
- Outline the indications for multilevel prone with MIS deformity

10:50 a.m. **Q & A**

10:55 a.m. **Break & Exhibits** *(not for CME credit)*

11:10 a.m. **Lab Demonstration No. 2**
Nuances of the Lateral Approach to the Lumbar Spine
Tony Kwon, M.D.
Objectives:
- Describe the nuances of the lateral approach to the lumbar spine
- Outline important anatomic considerations in this approach
- Summarize potential complications

11:50 a.m.	**Lunch Break & Exhibits** *(not for CME credit)*
12:10 p.m.	**Lab Demonstration No. 3** **Standalone Lateral** *Juan S. Uribe, M.D.* **Objectives:** • Describe the principles and techniques for the standalone lateral approach • Outline important anatomic considerations in standalone lateral approach • Summarize potential complications
12:30 p.m.	**Sagittal Alignment in Lateral: Expandables and New Findings on ALL Anatomy** *Luiz Pimenta, M.D.* **Objectives:**
12:45 p.m.	**Q & A**
12:50 p.m.	**Pause** *(not for CME credit)*
1 p.m.	**Lab Demonstration No. 4** **Subcostal, Subdiaphragmatic Lateral Approach with Corpectomy at L1-2 Without Rib Resection** *Elizabeth Lord, 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
1:40 p.m.	**Lateral Corpectomy for Trauma** *Tony Kwon, M.D.* **Objectives:** • Describe the anatomy and approach for lateral corpectomy for trauma • Outline indications for lateral corpectomy for trauma
1:55 p.m.	**Q & A**
2 p.m.	**Break, Exhibits & Change into Scrubs** *(not for CME credit)*
2:15 p.m.	**Lab Demonstration No. 5** **Prone Lateral Tips & Tricks** *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
2:55 p.m.	**Intradiscal Osteotomy** *Jens R. Chapman, M.D.* **Objectives:** • Identify complications related to intradiscal osteotomy • Outline the indications for intradiscal osteotomy
3:10 p.m.	**Q & A**
3:15p.m.	**Break & Transition to BioSkills Lab** *(not for CME credit)*

3:20 p.m. **<u>Hands-On BioSkills Lab Rotations</u>** *(20 min. rotations)*

Station 1: Prone Lateral with Robot
Roland Kent, M.D.
Station 2: Nuances of the Lateral Approach to the Lumbar Spine
Tony Kwon, M.D. & Venu Nemani, M.D.
Station 3: Subcostal, Subdiaphragmatic Lateral Approach with Corpectomy
Elizabeth Lord, M.D., & Corey Walker, M.D.
Station 4: Prone Lateral Tips and Tricks & Standalone Lateral
Luiz Pimenta, M.D., Ph.D. & Juan S. Uribe, M.D.

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

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

DISTINGUISHED FACULTY

COURSE CHAIRMEN

Juan S. Uribe, M.D., FAANS
Course Co-Chair
Professor of Neurosurgery
Chief Division of Spinal Disorders
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Corey Walker, M.D., Ph.D.
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Surgical Demonstrations Supported by Swedish Neuroscience Institute Fellows
Bryan Anderson, D.O., Donald D. Davis, III, M.D., Neel Patel, M.D., & Julius Gerstmeyer, M.D.