

3rd Annual Current Trends in Minimally Invasive Spine Surgery
Saturday, July 22, 2017
at the Seattle Science Foundation

AGENDA

7:30 a.m. **Registration & Breakfast**

7:55 a.m. **Welcome & Opening Remarks**
Jeffrey Roh, M.D.

SESSION 1: Cervical (C5-6 HNP)

8 a.m. **Artificial Disc Replacement (ADR)**
Rod Oskouian, Jr., M.D.

Objectives:

- Discuss the indications for ADR
- Review pathology that is not appropriate for ADR
- Identify appropriate follow-up

8:15 a.m. **Posterior Cervical Endoscopic Procedures**
Jin-Sung Luke Kim, M.D.

Objectives:

- Describe the posterior endoscopic discectomy method
- Describe complications and associated avoidance techniques
- Apply learned methods for the technique into clinical practice

8:30 a.m. **Posterior Cervical Fusion Cages**
Bruce McCormack, M.D.

Objectives:

- Discuss indications for the posterior cervical fusion cages
- Identify cases in which the method is appropriate and not appropriate
- Review data regarding post-operative outcomes

8:45 a.m. **Panel Discussion: ADR vs. Posterior Endoscopic Procedures vs. Posterior Cervical Fusion Cages**

Rod Oskouian, Jr., M.D.; Jin-Sung Luke Kim, M.D.; Bruce McCormack, M.D.

Moderator: Jeffrey Roh, M.D.

Objectives:

- Discuss indications for each procedure
- Review pitfalls of each procedures including what indications are not appropriate
- Illustrate anatomic considerations for each technique

9:45 a.m. **Break & Exhibits**

10 a.m. **Live Broadcast from BioSkills Lab**

Hands-on Demonstration 1

Posterior Cervical Fusion Cages

Bruce McCormack, M.D.

Objectives:

- Identify appropriate and pertinent anatomy with regards to both surgical procedures
- Employ techniques that take into consideration complication avoidance

- Perform the posterior cervical fusion surgical procedure

SESSION 2: Lumbar (GI L4-5 Spondylolisthesis)

- 10:20 a.m. **Lateral Lumbar Interbody Fusion (LLIF)**
Addison Stone, M.D.
Objectives:
- Apply the method of LLIF
 - Identify common complications and avoidance techniques
 - Defend the benefits of lateral surgery
- 10:35 a.m. **TLIF**
Richard G. Fessler, M.D., Ph.D.
Objectives:
- Perform the TLIF procedure
 - Identify common complications and avoidance techniques
 - Describe the benefits and drawbacks of TLIF vs lateral surgery
- 10:50 a.m. **Interspinous Stabilization Technology**
TBD
Objectives:
- Review indications for interspinous stabilization technology devices
 - Discuss appropriate and inappropriate candidates for its use
 - Describe use in the OR including ease vs challenges
- 11:05 a.m. **Panel Discussion: LLIF vs. TLIF vs. Interspinous Stabilization Technology**
Addison Stone, M.D.; Richard G. Fessler, M.D., Ph.D.
Moderator: Jeffrey Roh, M.D.
Objectives:
- Review indications for each procedure
 - Discuss complications associated with each procedure and review avoidance techniques
 - Illustrate appropriateness for each intervention in various patient examples
- 12 p.m. **Lunch & Exhibits**
- 12:30 p.m. **Live Broadcast from BioSkills Lab**
Hands-on Demonstration 2
Robotic Spine Surgery
Sheeraz Qureshi, M.D.
Objectives:
- Identify when robotics is not indicated
 - Describe the benefits of each technique

SESSION 3: MIS Innovation

- 12:50 p.m. **Robotics**
Sheeraz Qureshi, M.D.
Objectives:
- Recognize the benefits of surgical planning prior to intraoperative execution using robotics
 - Describe the benefits of reduced OR time and improved accuracy by preplanning with robotic surgery
 - Recognize the improved patient outcomes with reduced perioperative morbidity and length of stay after robotic spine surgery

- 1:05 p.m. **AR/VR**
Kern Singh, M.D.
Objectives:
- Recognize the basic concepts of AR/VR
 - Discuss application in spine surgery including benefits
 - Review the challenges of implementation and pitfalls in surgical planning
- 1:20 p.m. **SI Joint Fusion**
Abhineet Chowdhary, M.D.
Objectives
- Identify indications for SI joint fusion
 - Describe complications that can occur with this surgical approach
 - Discuss follow-up and expected outcomes
- 1:35 p.m. **Panel Discussion: Robotics vs. AR/VR vs. SI Joint Fusion**
Sheeraz Qureshi, M.D.; Kern Singh, M.D.; Abhineet Chowdhary, M.D.
Moderator: Jeffrey Roh, M.D.
Objectives:
- Review the benefits and challenges of robotic MIS surgery in spine
 - Defend the use of AR/VR in surgical interventions
 - Discuss the utility of SI joint fusions in the future
- 2:35 p.m. **Break, Exhibits and Change into Scrubs**
- 2:50pm **Hands-On Cadaver Lab**
22 minute lab rotations
All Faculty
Objectives:
- Recognize the indications for MIS surgery
 - Discuss anatomic considerations for the varying procedures with patients
 - Integrate new applications of the procedures into your practice, including applications in the future
- STATION 1**
Lateral Lumbar Interbody Fusion (LLIF)
Addison Stone, M.D.
- STATION 2**
Oblique Lumbar Interbody Fusion (OLIF)
Richard G. Fessler, M.D., Ph.D.
- STATION 3**
Multi-level Percutaneous Pedicle Screw Placement
Kern Singh, M.D.
- STATION 4**
Artificial Disc Replacement
Rod Oskouian, Jr., M.D.
- STATION 5**
Posterior Cervical Endoscopic Procedures
Jin-Sung Luke Kim, M.D.
- STATION 6**
Robotics
Sheeraz Qureshi, M.D.

STATION 7
SI Joint Fusion
Abhineet Chowdhary, M.D.

STATION 8
Interspinous Stabilization Technology
TBD

6 p.m. **Adjourn**

FACULTY

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