

12th Annual SSF Spine Masters Course

Saturday, July 13, 2024

Hybrid Course

AGENDA

7 a.m. Registration & Breakfast

7:25 a.m. Welcome and Course Introduction

Jens R. Chapman, M.D. and Rod J. Oskouian Jr., M.D.

SESSION 1: ROBOTICS

Moderated by Rod J. Oskouian, Jr., M.D.

7:30 a.m. What Is the Role of Robotics In Spine Surgery In The Future, and What Is My Current Practice?

Richard Chua, M.D.

Objectives:

- Summarize important lessons learned from difficult cases and career milestones
- Describe different definitions of success in robotic surgery
- Describe the role of robotic surgery in the future

7:45 a.m. Robotics for Deformity cases

Roland Kent, M.D.

Objectives:

- Illustrate the use of robotics in deformity surgery
- Highlight important bone density assessment criteria
- Compare strategies for perioperative vs. intraoperative optimization for screw placement

8:00 a.m. What Are the Limits of Robotics in Spine Surgery?

Martin Pham, M.D.

Objectives:

- Compare outcomes of robotics vs. non-robotic surgery
- Evaluate the practical risk-benefit profile in robotic spine surgery vs. non-robotic surgery

8:15 a.m. Is There A Role For Robotics For Anything Else Besides Screw Placement?

Noojan Kazemi, M.D.

Objectives:

- Present data on Robotic surgery outcome in comparison to non-robotic cohorts
- Describe learning points and limitations of robotic surgery

**8:30 a.m. Live Demonstration Broadcast from BioSkills Lab No. 1
Sacroiliac Screw Placement for Deformity Surgery Using Robotics**

Martin Pham, M.D.

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

Objectives:

- Demonstrate screw placement using robotics
- Outline tips and tricks for the prevention and management of dural tears

9 a.m. How I Use a Robot In My Current Practice and the Limitations of Robotic Surgery

Andrew Manista, M.D.

Objectives:

- Describe the robot and its current use in my practice
- Outline the current limitations of robotic surgery
- Illustrate reimbursement and economics of robotics in spine surgery

9:15 a.m. Session 1: Q&A

SESSION 2: DEFORMITY

Moderated by Jens R. Chapman, M.D.

9:25 a.m. MIS in Deformity Surgery: What Are the Risks, Benefits and Costs to Society and the Patient - Is it Worth it?

Rod Oskouian, M.D.

Objectives:

- Outline the indications for MIS surgery
- Summarize indications and possible complications of MIS surgery
- Evaluate how to weigh potential complications vs anticipated benefit

9:40 a.m. Breakthroughs in Spinal Deformity Surgery

Vincent Arlet, M.D.

Objectives:

- Explain the perspective of spinal deformity surgery throughout the last 100 years
- Provide insights into where we are heading with advanced technology in the next decades

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

**10:10 a.m. Live Demonstration Broadcast from BioSkills Lab No. 2
Intradiscal Osteotomy with New Technologies Using Robotics**

Roland Kent, M.D.

Moderator: Rod Oskouian, M.D.

Objectives:

- Describe approach and posterior fixation for poor bone quality
- Evaluate risk-benefit profile of posterior fixation in a patient with poor bone quality

10:40 a.m. What Are the Optimal Alignment Parameters in Adult Deformity Surgery?

Alekos Theologis, M.D.

Objectives:

- Describe what's more important: pelvic alignment or sagittal balance
- Outline how to measure sarcopenia

10:55 a.m. Isthmic Spondylolisthesis, Anterior-Posterior Combined: What's Best and Why?

Kristen Jones, M.D.

Objectives:

- Outline surgical considerations for isthmic spondylolisthesis
- Evaluate surgical approaches and indications for treatment of isthmic spondylolisthesis

11:10 a.m. Breaks & Exhibits *(not for CME credit)*

11:25 a.m. Live Demonstration Broadcast from BioSkills Lab No. 3

Tips and Tricks of Different Types of C1 Fixation

Christopher Shaffrey, M.D.

Moderator: Rod Oskouian, M.D.

Objectives:

- Demonstrate techniques for posterior construction in the cervical spine
- Outline the indications for posterior reconstruction vs. an anterior approach

11:55 a.m. Pick up Lunch *(not for CME credit)*

12:10 p.m. Challenges of Adult Deformity Surgery and Why We Are Seeing So Much PJK & PJF

Amir Abdul-Jabbar, M.D.

Objectives:

- Explain how understanding biomechanics can be a powerful tool in deformity correction
- Describe how fusion length in ASD correction is largely determined by coronal imbalance

12:25 p.m. Are We Too Focused on Sagittal Alignment in Deformity Surgery Instead of Looking at Other Factors, Such as Bone Density, Sarcopenia and Other Factors?

Steve Glassman, M.D.

Objectives:

- Illustrate the optimal sagittal alignment
- Describe how to use bone density to minimize complications
- Explain how we assess and optimize fragile patients for surgery

12:40 p.m. History and Evolution of Early Onset Scoliosis Care

Behrooz Akbarnia, M.D.

Objectives:

- Describe early onset scoliosis and its natural history
- Review ongoing research and the evolution of care over the past 25 years and its impact on current-day practices
- Outline the future direction and management for EOS

12:55 p.m. What's New In Spinal Deformity Surgery and How Do We Minimize Complications Associated With Deformity Surgery?

Christopher Shaffrey, M.D.

Objectives:

- Identify the latest advancements in spinal deformity surgery, including surgical techniques, instrumentation and adjunctive therapies
- Identify strategies and techniques aimed at minimizing complications associated with spinal deformity surgery
- Explore evidence-based approaches and best practices for preoperative planning in spinal deformity surgery

1:10 p.m. Session 2: Q&A

SESSION 3: SPINAL CORD AND NEURAL TISSUE DISORDERS

Moderated by Jens Chapman, M.D.

1:20 p.m. Spinal Cord Injury, Looking Backward And Looking Forward, What Does The Future Hold?

Michael G. Fehlings, M.D., Ph.D.

Objectives:

- Explain what clinical syndromes occur most frequently following spinal cord injury
- Analyze effective integration of decompression strategies
- Describe whether there a role for steroids in 2024

1:35 p.m. The Current State of the Art Management - Central Cord Syndrome

Michael Steinmetz, M.D.

Objectives:

- Describe when to use the anterior vs. posterior approach
- Describe when it's appropriate to delay surgery
- Outline how to minimize complications and optimize outcomes

1:50 p.m. Thoracolumbar Burst Fractures

Eric Hayman, M.D.

Objectives:

- Outline the current state-of-the-art management for burst fractures
- Recognize when to do corpectomy vs. posterior only

**2:05 p.m. Live Demonstration Broadcast from BioSkills Lab No. 4
Effective Anterior Approach to Prone Thoracolumbar Reconstructive Surgery**

Amir Abdul-Jabbar, M.D.

Moderator: Jens R. Chapman, M.D.

Objectives:

- Assess technical tips and tricks for anterior surgery
- Present potential pitfalls and how to avoid them

2:35 p.m. Contemporary Management of OPLL and Cervical Myelopathy

Patrick Johnson, M.D.

Objectives:

- Describe etiology and clinical presentation of intracranial hypotension
- Characterize risk factors for intraoperative incidental durotomy
- Explain the goals of intraoperative and post-management of durotomy

2:50 p.m. Break & Exhibits (*not for CME credit*)

3:00 p.m. Spinal Cord Injuries: Evaluation, Initial Management, Surgical Timing and Considerations

Dan Resnick, M.D.

Objectives:

- Identify the key features of the ASIA Neurological assessment tool
- Describe the pathophysiology of a spinal cord injury
- Explain the benefits of early surgery

3:15 p.m. Management of Spinal Cord Injury: Where Have We Been? Where Are We Now? Where Are We Going?

John Hurlbert, M.D.

Objectives:

- Describe the current preferred treatments regarding blood pressure and general resuscitation for SCI patients
- Identify potential clinical adverse consequences of different management routes

**3:30 p.m. Live Demonstration Broadcast from BioSkills Lab No. 5
MIS Interbody Fusion**

Noojan Kazemi, M.D.

Moderator: Amir Abdul-Jabbar, M.D.

Objectives:

- Demonstrate a minimally invasive interbody fusion
- Summarize the indications associated for MIS surgery
- Describe complications associated with MIS surgery

4:00 p.m. Session 3: Q&A

Moderated by Jens R. Chapman, MD

4:10 p.m. **Course Wrap-Up**
Jens R. Chapman, M.D. and Rod J. Oskouian Jr., M.D.

4:15 p.m. **Adjourn**

DISTINGUISHED FACULTY

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Complex Spine Surgeon
Swedish Neuroscience Institute
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Rod J. Oskouian, Jr., M.D.

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