

**10th Annual SSF Spine Masters Course:
Insights for Seasoned Spine Surgeons
Saturday, June 18, 2022**

AGENDA

7:25 a.m. **Welcome and Introductions**
Rod J. Oskouian, Jr., M.D., Jens R. Chapman, M.D.

7:30 a.m. **Keynote Presentation (virtual)**
Scoliosis at Any Age is a Horizontal Plane Deformity
Prof. Jean Dubousset
Objectives:

- Outline spinal balance and scoliosis
- Summarize the principles of deformity
- Describe the cone of economy

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

8 a.m. **Live BioSkills Lab Demonstration # 1**
Robotic Pedicle Screw Placement
Noojan Kazemi, M.D. & Nathan Pratt, M.D.
Objectives:

- Discuss the advantages of robotic screw placement (timing accuracy, cost)
- Outline tips for troubleshooting and error prevention
- Describe what to do if the robot fails

8:30 a.m. **Spinal Endoscopy: Going Mainstream? (virtual)**
Prof. Dr. Christoph Siepe
Objectives:

- Describe the process for patient selection
- Evaluate when to use an endoscope vs. microscope
- Identify advantages of endoscope over microscope surgery

8:45 a.m. **Q & A**

8:50 a.m. **Spinopelvic Fixation**
Roland Kent, M.D.
Objectives:

- Differentiate iliac vs. S2AI techniques
- Identify structures at risk
- Describe technique for stacked implants

9:05 a.m. **Q & A**

- 9:10 a.m. **Anterior vs. Posterior for Deformity Surgery** *(virtual)*
Vincent Arlet, M.D.
Objectives:
- Outline the principles of anterior correction being tailored to patient needs
 - Describe how to choose between lateral surgery and anterior surgery
 - Discuss the choice between anterior surgery or posterior surgery: ACR or PSO?

9:25 a.m. **Q & A**

9:30 a.m. **Live BioSkills Lab Demonstration # 2**
Pelvic Fixation Techniques
Roland Kent, M.D. & Jared Cooke, D.O.
Objectives:

- Identify indications for various types of lumbopelvic fixation
- Outline the anatomic and radiographic landmarks for safe instrumentation techniques
- Describe modified applications such as quad rods and multi screw iliac fixation

- 10 a.m. **The Latest Update on Proximal Junctional Kyphosis (PJK)**
Christopher I. Shaffrey, M.D.
Objectives:
- Describe how to prevent PJK
 - Outline the causes of PJK
 - Summarize the role bone density has on PJK

10:15 a.m. **Q & A**

10:20 a.m. **Break & Exhibits** *(not for CME credit)*

- 10:30 a.m. **Does MIS Have a Role in Adult Deformity Surgery?** *(virtual)*
Roger Härtl, M.D.
Objectives:
- Summarize how to avoid complications in MIS surgery
 - Describe fusion rates
 - Outline when to use pelvic fixation

10:45 a.m. **Q & A**

10:50 a.m. **Live BioSkills Lab Demonstration # 3**
Posterior Thoracolumbar Techniques for Deformity Correction
Christopher I. Shaffrey, M.D. & Zachary Tataryn, M.D.
Objectives:

- Outline osteotomy techniques
- Describe how and when to use expandables
- Compare and contrast VCR vs. PSO vs. Smith Peterson

- 11:10 a.m. **The Most Difficult Cases of My Career** *(virtual)*
Lawrence G. Lenke, M.D.
Objectives:
- Summarize important lessons learned from difficult cases
 - Describe when to use neuromonitoring
 - Explain how much correction is too much correction

11:25 a.m. **Q & A**

- 11:30 a.m. **Why Go Prone vs. Lateral**
Luiz Pimenta, M.D., Ph.D.
Objectives:
- Describe the technique and nuances of lateral access surgery in the prone position
 - Describe indications, contraindications and applications of lateral prone position surgery for degenerative and deformity conditions
 - Describe intra-operative techniques that optimize TDR implant performance
- 11:45 a.m. **Q & A**
- 11:50 a.m. **Ultra-MIS Surgery (virtual)**
Michael Wang, M.D.
Objectives:
- Summarize the limitations of MIS spine surgery
 - Outline the indications for MIS spine surgery
 - Describe the techniques for MIS spine surgery
- 12:05 p.m. **Q & A**
- 12:10 p.m. **Break, Pick up Lunch & Exhibits (not for CME credit)**

12:20 p.m. **Live BioSkills Lab Demonstration # 4 (working lunch)**
Prone Transpsoas
Luiz Pimenta, M.D., Ph.D. & Yevgeniy Freyvert, M.D.
Objectives:

- Outline the ways to position the patient
- Describe the limitations of prone lateral surgery
- Recognize when not to do prone lateral

- 12:50 p.m. **Circumferential Minimally Invasive Treatment for Severe Adult Spinal Deformity Without a Posterior Column Osteotomies Can Reduce PJK & Hardware Failure (virtual)**
Neel Anand, M.D.
Objectives:
- Explain how to apply minimally invasive techniques in severe adult spinal deformity
 - Describe a specific protocol and the pros and cons
 - Provide framework for understanding how deformity can be treated without osteotomies
- 1:05 p.m. **Q & A**
- 1:10 p.m. **Break & Exhibits**

1:20 p.m. **Live BioSkills Lab Demonstration # 5**
Thoracic Kyphosis Correction
Rod J. Oskouian, Jr., M.D. & Jerry Robinson, M.D.
Objectives:

- Describe the location and pathology with anatomy of rigid deformities
- Provide various treatment options for those patients requiring surgical intervention for kyphosis

1:50 p.m. **Why Introduce Robotics Surgery into Surgical Practice?**

Noojan Kazemi, M.D.

Objectives:

- Define the use and value of robotics and robotic navigation as it pertains to spine surgery
- Identify areas of surgical opportunity in utilizing robotics in spine surgery
- Describe latest innovations in robotics and future applications

2:05 p.m. **Q & A**

2:10 p.m. **Live BioSkills Lab Demonstration # 6**

Intradiscal Osteotomy at L5/S1

Jens R. Chapman, M.D. & Jonathan Plümer, M.D.

Objectives:

- Illustrate when to use the IDO technique
- Describe what type of visualization to use
- Outline how to get a three column correction working in the disc space

2:50 p.m. **Adjourn**

DISTINGUISHED FACULTY

Neel Anand, M.D. (virtual)

Director of Spine Trauma
Cedars-Sinai Medical Center
Los Angeles, California

Jens R. Chapman, M.D.

Course Co-Chair

Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Roger Härtl, M.D. (virtual)

Professor of Neurological Surgery &
Director of Spinal Surgery and Neurotrauma
Weill Cornell Brain and Spine Center
New York, New York

Roland Kent, M.D.

Spine Surgeon & Co-Founder
Axis Spine Center
Coeur D'Alene, Idaho

Rod J. Oskouian, Jr., M.D., FAANS

Course Co-Chair

Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

Christopher I. Shaffrey, M.D.

Chief of Spine and Orthopaedics
Duke University School of Medicine
Durham, North Carolina

Michael Wang, M.D. (virtual)

Chief of Neurosurgery
University of Miami Hospital
Miami, Florida

Vincent Arlet, M.D. (virtual)

Chief of Adult Spinal Deformity Surgery
Penn Medicine
Philadelphia, Pennsylvania

Prof. Jean Dubousset (virtual)

Keynote Speaker

Neurosurgeon
Académie National de Médecine
Paris, France

Noojan Kazemi, M.D., FACS, FRACS

Associate Professor
University of Arkansas for Medical Sciences
Little Rock, Arkansas

Lawrence G. Lenke, M.D. (virtual)

Surgeon-in-Chief
Och Spine Hospital at New York-Presbyterian/Allen
Chief of Spinal Surgery
Columbia University
New York, New York

Luiz Pimenta M.D., Ph.D.

Medical Director
Instituto de Patologia da Coluna
Sao Paulo, Brazil

Prof. Dr. Christoph Siepe (virtual)

Professor, Spinal Endoscopy
Schoen Clinic
Munich, Germany

Surgical Demonstrations Supported by Swedish Neuroscience Institute Fellows

Yevgeniy Freyvert, M.D., Zachary Tataryn, M.D., Jerry Robinson, M.D., Jared Cooke, D.O.,
Nathan Pratt, M.D. & Jonathan Plümer, M.D.