



9th Annual SSF Robotics Course
aka "Everything Cool in Spine Surgery"
Saturday, December 7, 2024

AGENDA

- 7 a.m. **Registration & Breakfast**
- 7:30 a.m. **Welcome, Introductions, Course Overview**
Doniel Drazin, M.D., Terrence Kim, M.D., J. Patrick Johnson, M.D. & Jens R. Chapman, M.D.
- 7:35 a.m. **Leveraging the Latest Technology in Spine Surgery (virtual)**
Joseph Lombardi, M.D
Objectives:
- *Elucidate the different technologies a surgeon can use in spine surgery*
 - *Delineate the types of spine surgery that utilize new technology*
 - *Present cases that illustrate the leveraging of the latest technologies*
- 7:55 a.m. **Q & A**
- 8 a.m. **Best Practice Guidelines for Robotic-Assisted Surgery**
Terrence Kim, M.D.
Objectives:
- *Describe the state of robotic-assisted surgery today*
 - *Outline the new best practice guidelines for robotic-assisted surgery*
 - *Present cases that illustrate the guidelines of robotic-assisted surgery*
- 8:20 a.m. **Q & A**
- 8:25 a.m. **Pearls of MIS Robotics (virtual)**
Martin Pham, M.D.
Objectives:
- *Outline pearls for successful robotic-assisted surgeries*
 - *Identify and evaluate lessons learned from failures of robotic-assisted surgeries*
- 8:45 a.m. **Q & A**
- 8:50 a.m. **Live/Virtual Demonstration Broadcast from BioSkills Lab No. 1**
Robotic-Assisted Traumatic Fracture Stabilization
Doniel Drazin, M.D.
Objectives:
- *Outline the workflow for setting up a robotic posterior trauma case*
 - *Demonstrate the nuances of performing the surgery*
 - *Illustrate the pearls of performing the surgery*

9:20 a.m. **Q & A**

9:25 a.m. **Novel use of robotics for pars repair (virtual)**

David Skaggs, M.D.

Objectives:

- *Identify which cases are suitable for Robotic-assisted pars repair*
- *Describe steps to perform MIS robotic-assisted Pars Repair*

9:40 a.m. **Q & A**

9:45 a.m. **Robotics and Enabling Technologies in Surgical Training (virtual)**

Karim Shafi, M.D

Objectives:

- *Identify where robotics and enabling technologies can contribute to surgical training*
- *Delineate the types of cases where in robotics and enabling technologies can assist in surgical training*
- *Present cases that illustrate this approach*

10:00 a.m. **Q & A**

10:05 a.m. **Break & Exhibits (not for CME Credit)**

10:15 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 2**

Prone Lateral Interbody Fusion with Percutaneous Robotic-Assisted Fusion

Terrence Kim, MD with moderation by Corey Walker, MD (virtual)

Objectives:

- *Demonstrate prone-lateral interbody fusion*
- *Demonstrate minimally invasive percutaneous fusion using robotic assistance*

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

10:50 a.m. **Incorporating Robotics in Deformity and Tumor Surgeries (virtual)**

Joe Osorio, M.D.

Objectives:

- *Describe the current use of robotic-assisted spine surgery for deformity*
- *Outline the current indication for utilizing robotics in tumor surgery*
- *Predict emerging trends in robotic-assisted spine surgery*

11:05 a.m. **Q & A**

11:10 a.m. **Experience Using Robotic-Assisted Spine Surgery in Pediatrics**

Kirsten Ross, M.D

Objectives:

- *Elucidate the current utilization of robotic-assisted spine surgery in pediatric patients*
- *Discuss the current indication for utilizing robotics in pediatric spine surgery*
- *Present cases that illustrate the use of robotic-assisted surgery in pediatrics*

11:30 a.m. **Q & A**

- 11:35 a.m. **Live Demonstration Broadcast from BioSkills Lab No. 3**
Robotic-Assisted Upper Thoracic Pedicle Screws
Andrew Manista, M.D.
Objectives:
- *Demonstrate robotic-assisted upper thoracic fusion*
 - *Demonstrate minimally invasive upper thoracic fusion using robotic assistance*
 - *Employ robotic-assisted surgery in the thoracic spine using different techniques*
- 11:55 p.m. **Q & A**
- 12 p.m. **Percutaenoues Robotic-Assisted Posterior Cervical Fusion: An Update** *(virtual)*
Michael Gallizzi, M.D.
Objectives:
- *Demonstrate robotic-assisted cervical fusion*
 - *Demonstrate minimally invasive cervical fusion using robotic assistance*
 - *Employ robotic-assisted surgery in the cervical spine using different techniques*
- 12:10p.m. **Q & A**
- 12:15 p.m. **Lunch Break & Exhibits**
- 12:15 p.m. End of CME Accredited Content**
- 12:45 p.m. **What's New and Cool in Spine Surgery?**
Doniel Drazin, M.D. and J. Patrick Johnson, M.D.
- 12:55 p.m. **Q & A**
- 1:00 p.m. **VUZE: Concurrent 3D Guidance of Multiple Unmodified Tools by Software**
(No Navigational Hardware) *(Virtual)*
Paul Slosar, M.D. & David Tolkowsky, CEO, VUZE Medical
- 1:10 p.m. **Q & A**
- 1:15 p.m. **Aesculap Aeos: The Robotic Exoscope**
- 1:25 p.m. **Q & A**
- 1:30 p.m. **Stryker**
- 1:40 p.m. **Q & A**
- 1:45 p.m. **BRAINLAB: Loop with Cirq Robotics and Mixed Reality Demonstration**

- 1:55 p.m. **Q & A**
- 2:00 p.m. **J&J Medtech: Velys Spine Robot**
Terrence Kim, MD
- 2:10 p.m. **J&J Medtech: Velys Spine Robot Demonstration (Virtual)**
Ken Metcalf
- 2:20 p.m. **Q & A**
- 2:25 p.m. **Hands-on Technology Showcase**
All Faculty
- 3:25 p.m. **Adjourn**

DISTINGUISHED FACULTY

J. Patrick Johnson, M.D.

Course Co-Chair
Co-Medical Director, Spine Center
Vice Chair, Neurosurgery
Cedars-Sinai Medical Center
Los Angeles, California

Doniel Drazin, M.D.

Course Co-Chair
Neurosurgeon
Seattle, Washington

Terrence Kim, M.D.

Co-Director of Education & Spine Fellowship Program
Assistant Professor Department of Orthopaedics
Cedars-Sinai Medical Center
Los Angeles, California

Jens R. Chapman, M.D.

Course Co-Chair
Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Michael Gallizzi, M.D.

Orthopedic Spine Surgeon
Steadman Clinic
Vail, Colorado

Joseph Lombardi, M.D.

Orthopedic Spine Surgeon
Columbia Orthopedics
New York, New York

Andrew Manista, M.D.

Orthopedic Spine Surgeon
Olympia Orthopaedic Associates
Olympia, Washington

Joseph Osorio, M.D., Ph.D.

Assistant Professor of Clinical, Neurological
Surgery
University of California, San Diego
San Diego, California

Martin Pham, M.D.

Neurosurgeon
University of California, San Diego Health
San Diego, California

Kristen Ross, M.D.

Pediatric Sports Medicine Specialist
Central Texas Pediatric Orthopedics
Austin, Texas

Karim Shafi, M.D.

Orthopedic Surgery, Spine Surgery
Houston Methodist Orthopedics & Sports
Medicine
Houston, Texas

David Skaggs, M.D.

Director of Pediatric Orthopaedics
Cedars-Sinai Guerin Children's
Los Angeles, California

Corey Walker, M.D.

Neurosurgeon
Cedars-Sinai Medical Center
Los Angeles, California