SEATTLE SCIENCE FOUNDATION

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**
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 MIS Single Position Deformity Correction
Martin Pham, M.D.
Objectives:
- *Outline the workflow for setting up a MIS Single Position Surgery*
- *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**
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. **Robotic-assisted Single Position Prone Lateral Lumbar Interbody Fusion** *(virtual)*
Karim Shafi, M.D
Objectives:
- *Elucidate the approach to single position prone lateral fusion*
- *Delineate the types of considerations for this approach*
- *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***

12:30 p.m. **What's New and Cool in Spine Surgery?**
Doniel Drazin, M.D. and J. Patrick Johnson, M.D.

12:35 p.m. **Vuze Medical (Virtual)**

12:45p.m. **Q & A**

12:50 p.m. **Bone MRI (Virtual)**

1:00 p.m. **Q & A**

1:05 p.m. **Aesculap TBD**

1:15 p.m. **Q & A**

1:20 p.m. **Cuvis Spine TBD**

1:35 p.m. **Q & A**

1:40 p.m. **Brainlab Loop with Cirq Robotics and Mized Reality Demonstration**

1:55 p.m. **Q & A**

2:00 p.m. **J&J Medtech / Depuy Velys Spine Robot**
Terrence Kim, MD

2:10 p.m. **J&J Medtech / Depuy Velys Spine Robot Demonstration (Virtual)**
Ken Metcalf

2:25 p.m. **Q & A**

2:30 p.m. **Hands-on Technology Showcase**
All Faculty

3 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.
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Orthopedic Surgery, Spine Surgery
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