



10th Annual Spine Trauma Summit

Friday, November 22 & Saturday, November 23, 2024

AGENDA

FRIDAY, NOVEMBER 22, 2024

- 6 p.m.** **Registration and Pizza**
- 6:25 p.m.** **Welcome, Introductions & Course Overview**
- 6:30 p.m.** **Case Controversies & Discussions**
Moderator: Jens R. Chapman, M.D.
Presenters: Mark Kraemer, M.D., & Colin Gold, M.D., Clifford Pierre, M.D.
- Objectives:**
- Illustrate the physiologic effects of trauma on the spine
 - Identify surgical considerations in trauma situations
 - Outline merits of various treatment options
- 7:30 p.m.** **Gitcha Game On!**
Robert McGuire, M.D., FAAOS
- Objectives:**
- Describe key mechanisms of spine trauma
 - Enhance clinical decision-making in spina trauma cases
- 8 p.m.** **Adjourn**

SATURDAY, NOVEMBER 23, 2024

7 a.m. Registration, Breakfast & Exhibits

7:25 a.m. Welcome, Introductions & Course Overview
Jens R. Chapman, M.D.

Session 1: Thoracolumbar Spine

7:30 a.m. Thoracolumbar Burst Fractures - Past, Present and Future - A Lifetime Experience

Robert McGuire, M.D., FAAOS

Objectives:

- Review the evolution of thoracolumbar burst fracture management
- Explore future directions in burst fracture treatment

8:00 a.m. The McCormick Classification: A Critical Review

Ashraf El Naga, M.D., FAAOS

Objectives:

- Discuss the McCormick classification system
- Apply the McCormick classification in clinical contexts

8:20 a.m. Q&A

8:30 a.m. Spinous Process Fractures: Identifying Bad Actors & Flexion Distraction Injuries

David Gendelberg, M.D., FAAOS

Objectives:

- Identify key characteristics of flexion distraction injuries and spinous process fractures
- Apply diagnostic criteria to enhance treatment decisions

8:50 a.m. Q&A

9 a.m. Debate Panel - Multilevel T Fractures - Go Big or Selective

Moderated by: Jens Chapman, M.D.

Objectives:

- Evaluate approaches to multilevel spine fracture management
- Apply evidence-based criteria for treatment selection

**9:30 a.m. Live Broadcast Demonstration from BioSkills Lab No. 1
Posterior Cervical Thoracic Junction: Decompression &
Instrumentation Techniques**

Robert McGuire, M.D., FAAOS

Objectives:

- Describe atomic peculiarities of the CT region
- Describe instrumentation challenges
- Share tips and tricks on how to perform safe instrumentation from posterior and posterior lateral

10:00 a.m. Break, Exhibits & Roving Reporter

Session 2: Lumbosacral Spine

**10:20am Cement Augmentation or not for Osteoporotic Fracture Care.
Point - Counterpoint**

Amir Abdul-Jabbar, M.D. & David Gendelberg, M.D., FAAOS

Objectives:

- Describe the role of cement augmentation in osteoporotic spine fixation
- Evaluate clinical outcomes and risks of cement augmentation techniques

10:40am Summary

10:40 a.m.

When do Pelvic Fractures Require a Spine-Based Solution?

Ashraf El Naga, M.D., FAAOS

Objectives:

- Illustrate criteria for determining surgical leadership in pelvic shear fracture cases
- Define the role of spine surgeon vs. orthopedic trauma surgeons in pelvic shear fractures

10:55 a.m.

Q&A

11:00 a.m.

Using A Robot in Spine Trauma?

Amir Abdul-Jabbar, M.D.

Objectives:

- Describe the applications of Robotic Assistance in spine trauma surgery
- Evaluate clinical outcomes and limitations of robotics in spine trauma

11:15 a.m.

Q&A

11:20 a.m.

Incorporating an MIS Philosophy in Spine Trauma

David Gendelberg, M.D., FAAOS & Ashraf El Naga, M.D., FAAOS

Objectives:

- Compare outcomes of percutaneous vs. open fixation techniques
- Identify criteria for selecting percutaneous or open fixation in trauma cases

11:40 a.m.

Summary

11:40 a.m. Live Broadcast Demonstration from BioSkills Lab No. 2
MIS Long-Segment PSF powered by AR Rod Contouring & Cement Augmentation

Ali H. Mesiwala, MD, FAANS

Objectives:

- Demonstrate the techniques of MIS long segment posterior spinal fixation with AR assisted rod contouring
- Review the role of cement augmentation in strengthening fixation in osteoporotic spine cases

12:10 p.m.

Lunch & Exhibits

Product Theatre Sponsored by Neo Medical in the Front Conference Room

*Topic: **Technical Application of Augmented Reality in Spine Trauma Used with NEO Universal PSS***

Speaker: Ali H. Mesiwala, MD, FAANS

This is a Non-CME activity

12:55 p.m.

Roving Reporter - Exhibits & Opinions
Live Interviews form the conference

Session 3: Spinal Cord Injury

1:10 p.m.

Time is Spine - Rationale for Early Surgery Following Spinal Cord Injury

Christoph Hofstetter, M.D., Ph.D.

Objectives:

- Discuss the physiological impact of early surgical intervention on spinal cord injury recovery
- Review evidence-based benefits and risk of early surgery in spinal cord injury cases

1:25 p.m.

Q&A

1:30 p.m.

New classification for SCI - Why and How

Wyatt Ramey, M.D.

Objectives:

- Discuss the need for a new classification system in spinal cord injury
- Explore the methodology and application of the new SCI classification

1:45 p.m.

Q&A

1:50 p.m.

Using Ultrasound as a Biomarker for SCI & the Rationale for Early Decompression

Christoph Hofstetter, M.D., Ph.D.

Objectives:

- Review the role of ultrasound as a biomarker in spinal cord injury
- Explore the rationale and benefits of early decompression in SCI management

2:05 p.m.

Q&A

2:10 p.m.

Swimming Successfully with Sharks 30 mins

Robert McGuire, M.D., FAAOS

Objectives:

- Develop strategies for managing high risk, high stakes situations
- Review key approaches to handling adverse or challenging interactions

2:40 p.m.

Q&A

2:45 p.m.

**Live Broadcast Demonstration from BioSkills Lab No. 3
Tips & Tricks for Robot Use in Spine Trauma Care**

Amir Abdul-Jabbar, M.D.

Objectives:

- Master key techniques for effectively integrating robotic assistance in spine trauma surgery
- Troubleshoot common challenges in robotic spine surgery

Session 4: Cervical Spine Trauma

3:15 p.m.

Upper Cervical Trauma: The Importance of Avoiding the Occiput in your Fusion

Wyatt Ramey, M.D.

Objectives:

- Identify the risks of occipital involvement in upper cervical fusion
- Apply techniques to safely avoid the occiput in the upper cervical trauma fusions

3:30 p.m.

Q&A

3:35 p.m.

Jumped Facet Injuries: Initial Management and Choosing a Surgical Approach

David Gendelberg, M.D., FAAOS

Objectives:

- Identify the clinical and radiological differences between anterior and posterior jumped facet joints
- Develop management strategies for anterior and posterior jumped facet joints

3:50 p.m.

Q&A

3:55 p.m.

AOD Are We Over Treating It?

Ashraf El Naga, M.D., FAAOS

Objectives:

- Evaluate the current treatment approaches for AOD
- Assess the impact of over treatment on patient outcomes and healthcare resources

4:10 p.m.

Q&A

4:15 p.m. Live Broadcast Demonstration from BioSkills Lab No. 4

Advanced Fixation Techniques for Complex Traumas

David Gendelberg, M.D., FAAOS & Ashraf El Naga, M.D., FAAOS

Objectives:

- Illustrate advanced fixation techniques for complex spinal trauma
- Apply indications and strategies for choosing the appropriate fixation method

4:45 p.m.

Rapid Fire Highlight Panel: (10 minutes each)

Moderated by Jens R. Chapman, M.D.

1. *Central Cord Syndrome - Early vs Late*
2. *Geriatric Odontoids - Wait or Fix*
3. *Geriatric Burst Fractures - Model Care for the Future*

Objective:

- Debate and discuss to gain consensus for ongoing knowledge gaps for the above topics

5:15 p.m.

Adjourn

ESTEEMED FACULTY

Jens R. Chapman, M.D.

Course Co-Chair

Complex Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Rod Oskouian, M.D.

Course Co-Chair

Chief of Spine
Swedish Neuroscience Institute
Seattle, Washington

Amir Abdul-Jabbar, M.D.

Spine Surgeon
Swedish Neuroscience Institute
Seattle, Washington

Ashraf El Naga, M.D., FAAOS

Assistant Professor, Spine Trauma &
Problem Fractures
University of California, San Francisco
San Francisco, California

David Gendelberg, M.D., FAAOS

Assistant Professor, Spine Trauma & Problem
Fractures
University of California, San Francisco
San Francisco, California

Christoph Hofstetter, M.D., Ph.D.

Course Co-Chairman
Associate Professor of Neurological Surgery
University of Washington
Seattle, Washington

Ali H. Mesiwala, M.D., FAANS

Neurosurgeon
Coastal Medical Group
Newport Beach, Orange County

Robert McGuire, M.D., FAAOS

Professor of Orthopedic Surgery &
President of AO Foundation
The University of Mississippi Medical Center
Jackson, Mississippi

Wyatt Ramey, M.D.

Spine Surgeon
Memorial Hermann Hospital, Mischer Neuroscience Associates
Cypress, Texas