



Morning coffee service and a boxed lunch will be served to all registered attendees.

ACCREDITATION

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and Federation of Spine Associations. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

CME CREDIT

The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of **8 AMA PRA Category 1 Credits™**. Physicians should only claim credit commensurate with the extent of their participation in the activity.

7:55 – 8:00 am **Welcome and Report of the President**
Jeffrey A. Rihn, MD, President

**SECTION I – AMERICAN SPINAL
 INJURY ASSOCIATION**

*Moderators: Alexander R. Vaccaro, MD, PhD
 and Jeffrey A. Rihn, MD*

**FRAGILITY FRACTURES: EVIDENCE BASED
 APPROACH TO TREATMENT**

8:00 – 8:10 am **Vertebral Body Compression Fractures –
 What Does High Level Evidence Support?**
Charles G. Fisher, MD

8:10 – 8:20 am **Odontoid Fractures in the Elderly –
 What Does High Level Evidence Support?**
Marcel Dvorak, MD, FRCS(C)

8:20 – 8:25 am **Discussion**

UPDATE: TOPICS IN SPINAL TRAUMA

8:25 – 8:33 am **Understanding the Management of
 Complex Sacral Fractures**
Carlo Bellabarba, MD

8:33 – 8:41 am **Cervical Spine Clearance of the
 Obtunded Trauma Patient**
Mitchel B. Harris, MD

8:41 – 8:49 am **Physical Examination of the Neurologically
 Impaired Patient: Optimal Timing for Exam
 Accuracy? What Really is Spinal Shock
 and What Reflexes Return First?**
Eric Truumees, MD

8:49 – 8:57 am **What is the Natural History and Clinical
 Significance of a Traumatic Syrinx?**
James S. Harrop, MD

8:57 – 9:05 am **Pediatric SCI: A Primer on the Real
 Differences between Kids and Adults**
John R. Dimar, II, MD

9:05 – 9:13 am

Discussion

UPDATE: SPINAL CORD INJURY

**Central Cord Syndrome – Does Age
 or Pathology Type Dictate Timing
 of Intervention?**

Christopher M. Bono, MD

9:13 – 9:21 am

9:21 – 9:29 am

**STASCIS Study - Update on Central
 Cord Syndrome**

Michael G. Fehlings, MD, PhD, FRCS, FACS

9:29 – 9:39 am

**What are the Four Most Promising
 Neuroprotective Strategies in Acute
 Spinal Cord Injury**

Brian K. Kwon, MD, PhD, FRCS

9:39 – 9:45 am

Discussion

9:45 – 10:00 am

Break

**SECTION II – SCOLIOSIS
 RESEARCH SOCIETY**

Comparative Effectiveness

*Moderators: Joseph Perra and
 Mark B. Dekutoski, MD*

10:00 – 10:10 am

Introduction to SRS Modeling Mission

B. Stephens Richards, III, MD

10:10 – 10:20 am

**Introduction to Modeling of Cost
 Effectiveness Analysis**

David W. Polly, Jr. MD

10:20 – 10:27 am

Discussion

10:27 – 10:37 am

**Focused Modeling of Lumbar
 Degenerative Disease Literature Impact
 of Quality Literature**

Steven Glassman, MD

10:37 – 10:47 am

**Impact of Indices Regarding
 Comparative Effectiveness Modeling of
 Musculoskeletal Disease**

Mark B. Dekutoski, MD

10:47 – 10:54 am

Discussion

10:54 – 11:04 am

**Health Quality of Life Data Regarding
 Degenerative Scoliosis**

Frank J. Schwab, MD

11:04 – 11:14 am

**Modeling of Comparative Effectiveness
 Data Regarding Degenerative Scoliosis**

Christopher I. Shaffrey, MD

11:14 – 11:21 am

Discussion

11:21 – 11:31 am

**Specific Technique Comparative
 Effectiveness Modeling Posterior Vs.
 Anterior Posterior**

John R. Dimar, II, MD

11:31 – 11:41 am	Specific Comparative Effective Modeling of Impact of Bone Graft Character <i>Joseph Perra, MD</i>	2:11 – 2:19 pm	Evidence and Outcomes – Posterior Techniques <i>John C. France, MD</i>
11:41 – 11:48 am	Discussion	2:19 – 2:30 pm	Questions and Discussion
11:48 am – 12:00 pm	Box Lunch Service		COMPLICATIONS UPDATE <i>Moderator: Sanford E. Emery, MD</i>
	LUNCHTIME PROGRAM		Soft Tissue Swelling, Airway Challenges and Dysphagia after ACDF <i>Mark B. Dekutoski, MD</i>
12:00 – 12:12 pm	EVIDENCE-BASED UPDATE ON EMERGING CONCEPTS AND TECHNOLOGY	2:30 – 2:38 pm	Management of Dural Tears after Anterior Cervical Surgery <i>James D. Kang, MD</i>
	ASIA – MIS in Posterior Thorocolumbar Trauma – Is it for Real or is it a Fad? Evidence-based Outcomes <i>D. Greg Anderson, MD</i>	2:38 – 2:46 pm	Complications after TDR <i>Jens R. Chapman, MD</i>
12:12 – 12:24 pm	CSRS – Growth Factor Usage in the Cervical Spine <i>Timothy S. Yoon, MD</i>	2:46 – 2:54 pm	Questions and Discussion
12:24 – 12:36 pm	SRS - Physician Directed Care in the use of Biologics in Lumbar Inter-body Fusion-Dose Effectiveness and Complications <i>Joseph Perra, MD and Mark B. Dekutoski, MD</i>	2:54 – 3:05 pm	Break
12:36 – 12:48 pm	NASS – Interspinous Technologies <i>Joseph R. O'Brien, MD</i>	3:05 – 3:15 pm	SECTION IV – NORTH AMERICAN SPINE SOCIETY
12:48 – 1:00 pm	Discussion		EVIDENCE BASED MEDICINE AND SPINAL SURGERY <i>Moderator: William C. Watters, III, MD</i>
1:00 – 1:20 pm	Break	3:15 – 3:25 pm	Introduction to Evidence-based Medicine <i>William C. Watters, III, MD</i>
	SECTION III – CERVICAL SPINE RESEARCH SOCIETY	3:25 – 3:40 pm	Evidence-based Medicine – Kyphoplasty <i>Christopher M. Bono, MD</i>
	CERVICAL RADICULOPATHY UPDATE <i>Moderator: Jeffrey C. Wang, MD</i>	3:40 – 3:55 pm	Evidence-based Medicine – Spondylolisthesis <i>Charles A. Reitman, MD</i>
1:20 – 1:28 pm	Post Foraminotomy – Results and Techniques <i>Michael D. Daubs, MD</i>	3:55 – 4:00 pm	Discussion
1:28 – 1:36 pm	ACDF – Cost Effective and Excellent Outcomes <i>Alan S. Hilibrand, MD</i>		OSTEOPOROTIC COMPRESSION FRACTURES <i>Moderator: Christopher P. Kauffman, MD</i>
1:36 – 1:44 pm	TDR – Evidence of Superior or Equal Outcomes <i>K. Daniel Riew, MD</i>	4:00 – 4:10 pm	Vertebroplasty – Con <i>Stephen Esses, MD</i>
1:44 – 1:55 pm	Questions and Discussion	4:10 – 4:20 pm	Vertebroplasty – Pro <i>Tom Faciszewski, MD</i>
	CERVICAL SPONDYLOTIC MYELPATHY UPDATE <i>Moderator: Darrel S. Brodke, MD</i>	4:20 – 4:25 pm	Discussion
1:55 – 2:03 pm	Indications and Timing for Surgical Treatment <i>Alpesh A. Patel, MD</i>	4:25 – 4:40 pm	EVIDENCE-BASED MEDICINE AND NEW TECHNOLOGY <i>Moderator: Warren D. Yu, MD</i>
2:03 – 2:11 pm	Evidence and Outcomes – Anterior Techniques <i>Sanford E. Emery, MD</i>	4:40 – 4:55 pm	BMP Use in Lumbar Surgery - Pro <i>Scott D. Boden, MD</i>
		4:55 – 5:00 pm	BMP Use in Lumbar Surgery – Con <i>Eugene Carragee, MD</i>
		5:00 pm	Discussion
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