



WEDNESDAY, JANUARY 30, 2019

7:00 PM - 8:00 PM Welcome Reception

THURSDAY, JANUARY 31, 2019

6:00 AM - 7:00 AM Registration & Breakfast

7:00 AM - 10:00 AM SESSION I: Healthcare Reform- Setting the Stage for Value-Based Discussions **Sigurd Berven, MD, PhD**

- 7:00 AM Welcome Remarks Sigurd Berven, MD, PhD
- 7:05 AM Healthcare Reform- Transition from Volume to Value Paul Slosar, MD
- 7:20 AM Legislative Update on Healthcare Reform Richard Fessler, MD, PhD
- 7:40 AM NASS position and Advocacy on Healthcare Reform Jean-Jacques Abitbol, MD, FRCSC
- 7:55 AM Measuring Quality and Value: Metrics that Matter Sigurd Berven, MD, PhD
- 8:10 AM Discussion with Q&A

8:30 AM Non-CME Industry Update by SI Bone

Non-CME Industry Update by OrthoRebirth USA

8:40 AM Electrospun, synthetic bone void filler promotes human MSC function and BMP-2 mediated spinal fusion **Sigurd Berven, MD, PhD**

- 8:50 AM Alternative Payment Models: MIPS/MAPS/BCPI Sheyan Armaghani, MD
- 9:05 AM Narrow Networks/ACOs in Spine John Small, MD
- 9:20 AM Surgery Centers/Ambulatory Care in Spine Surgery Rick Sasso, MD
- 9:35 AM How does Reimbursement Reform Affect My Practice? Pierce Nunley, MD
- 9:50 AM Discussion/Q&A

10:00 AM Non-CME Surgeon Symposium

11:00 AM Morning Session Adjourns

3:30 PM - 4:00 PM Après Ski & Exhibits

4:00 PM - 7:20 PM SESSION II - New Technologies in Spine Surgery **Juan Uribe, MD**

- 4:00 PM Assessment of the Value of New Technologies; Defining Disruptive Techniques and Technologies Juan Uribe, MD
- 4:10 PM Novel Implant Surfaces Jay Turner, MD, PhD
- 4:20 PM Polymers and Antimicrobial Activity in Interbody Cages Scott Webb, DO
- 4:30 PM Expandable Interbody Cages Marc Weinstein, MD
- 4:40 PM Minimally Invasive Spine Surgery Farhan Siddiqi, MD
- 4:50 PM Osteobiologics Update Wellington Hsu, MD
- 5:00 PM How Does Big Data and Predictive Analytics Guide an Evidence-Based Approach to New Technology? Richard Fessler, MD, PhD
- 5:10 PM Discussion/Q&A

5:30 PM Non-CME Industry Update by Titan Spine: Real World Evidence Clinical Outcomes with nanoLOCK® Surface Technology **Paul Slosar, MD**

5:40 PM Non-CME Industry Update



THURSDAY, JANUARY 31, 2019

Debate

Pierce Nunley, MD

- 5:50 PM **Evidence Supports Adoption of Osteobiologics for Spinal Fusion- BMP, Cell-Based DBM, FactorX**
- 6:05 PM **Osteobiologics Add Cost Without Improving Outcomes in Spinal Fusions**
- 6:20 PM **Rebuttal**
- 6:25 PM Discussion/Q&A
- 6:35 PM **Robotic-Assisted Surgery is the Future of Spine Surgery**
- 6:50 PM **The Robot is A Technology That Adds Cost Without Value**
- 7:05 PM **Rebuttal**
- 7:10 PM Discussion/Q&A
- 7:20 PM **Adjourn for the Day**

John Small, MD

Harvey Smith, MD

Jay Turner, MD, PhD

Ivan Cheng, MD

FRIDAY, FEBRUARY 1, 2019

6:00 AM - 7:00 AM Breakfast

7:00 AM - 9:35 AM SESSION III- Cervical

Richard Fessler, MD, PhD

- 7:00 AM Management of Cervical Radiculopathy- Arthroplasty
- 7:10 AM Management of Cervical Radiculopathy- MIS Foraminotomy
- 7:20 AM Management of Cervical Radiculopathy- ACDF
- 7:30 AM Case Presentations
- 7:50 AM Discussion/Q&A

Andrew Utter, MD

Ivan Cheng, MD

Paul Slosar, MD

Richard Fessler, MD, PhD

8:00 AM Non-CME Industry Update

8:10 AM Non-CME Industry Update by Cerapedics

- 8:20 AM Cervical Myelopathy- Anterior Approach
- 8:30 AM Cervical Myelopathy- Laminoplasty
- 8:40 AM Cervical Myelopathy- Posterior Instrumented Fusion
- 8:50 AM Cervical Spine Deformity- Measurements and Management
- 9:05 AM Case Presentations
- 9:25 AM Discussion/Q&A

Rick Sasso, MD

Clifford Tribus, MD

Jay Turner, MD, PhD

Sheyan Armaghani, MD

Richard Fessler, MD, PhD

9:35 AM Morning Session Adjourns

3:30 PM - 4:00 PM Après Ski & Exhibits

4:00 PM - 7:15 PM SESSION IV- Deformity

John Small, MD

- 4:00 PM The Transition from Degenerative Pathology to Deformity
- 4:15 PM Sagittal Alignment- From Pelvis to Occiput
- 4:30 PM Techniques for Restoring Lordosis in Lumbar Degenerative Pathology: ALIF vs OLIF
- 4:40 PM Techniques for Restoring Lordosis in Lumbar Degenerative Pathology: The Role of TLIF
- 4:50 PM Techniques for Restoring Lordosis in Lumbar Degenerative Pathology: ACR

Jean-Jacques Abitbol, MD, FRCSC

Kushagra Verma, MD, MS

Sigurd Berven, MD, PhD

Clifford Tribus, MD

Jay Turner, MD, PhD



FRIDAY, FEBRUARY 1, 2019

5:00 PM	Discussion/Q&A	
5:20 PM	Non-CME Industry Update	
5:30 PM	Non-CME Industry Update	
5:40 PM	When to Do More, When to Do Less in Degenerative Scoliosis	Hani Mhaidli, MD, PhD
5:55 PM	The Role of MIS in Degenerative Scoliosis- What is the Benefit?	Juan Uribe, MD
6:10 PM	The Role of MIS in Degenerative Scoliosis- What are the Limitations?	John Small, MD
6:25 PM	Cost-effectiveness in Surgical Strategies for Degenerative Scoliosis	Richard Fessler, MD, PhD
6:40 PM	Predictive Modeling of Clinical Outcomes in Deformity Surgery	Sigurd Berven, MD, PhD
6:55 PM	Discussion/Q&A	
7:15 PM	Business and Labor Law Pitfalls for the Practicing Surgeon	Christopher VanDeWater
7:30 PM	Adjourn for the Day	

SATURDAY, FEBRUARY 2, 2019

6:00 AM - 7:00 AM	Breakfast	
7:00 AM	SESSION V: Lumbar Degenerative	Jean-Jacques Abitbol, MD, FRCSC
7:00 AM	New Technologies for Identifying a Pain Generator	Pierce Nunley, MD
7:15 AM	The Symptomatic Intervertebral Disc- Lumbar Arthroplasty, Fusion and Regenerative Approaches	Harvey Smith, MD
7:30 AM	Facet Arthropathy as A Pain Source- Evaluation and Management	Hani Mhaidli, MD, PhD
7:45 AM	The Sacroiliac Joint- Evidence for Pain Generation and Management	Scott Webb, DO
8:00 AM	Discussion/Q&A	
8:20 AM	Non-CME Industry Update	
8:30 AM	Non-CME Industry Update	
8:40 AM	Complications in Spine Surgery: Prevalence and Avoidance	Hani Mhaidli, MD, PhD
8:50 AM	System Reform in Spine Surgery: Preoperative Optimization	Marc Weinstein, MD
9:00 AM	System Reform in Spine Surgery: Intraoperative Protocols to Reduce Complications	Andrew Utter, MD
9:10 AM	System Reform in Spine Surgery: Post-Operative Pathways to Reduce Complications	Wellington Hsu, MD
9:20 AM	Case Presentation and Discussion	Kushagra Verma, MD, MS
9:40 AM - 11:05 AM	Abstract Presentations	
11:05 AM	Discussion	
11:15 AM	Course Adjourns	