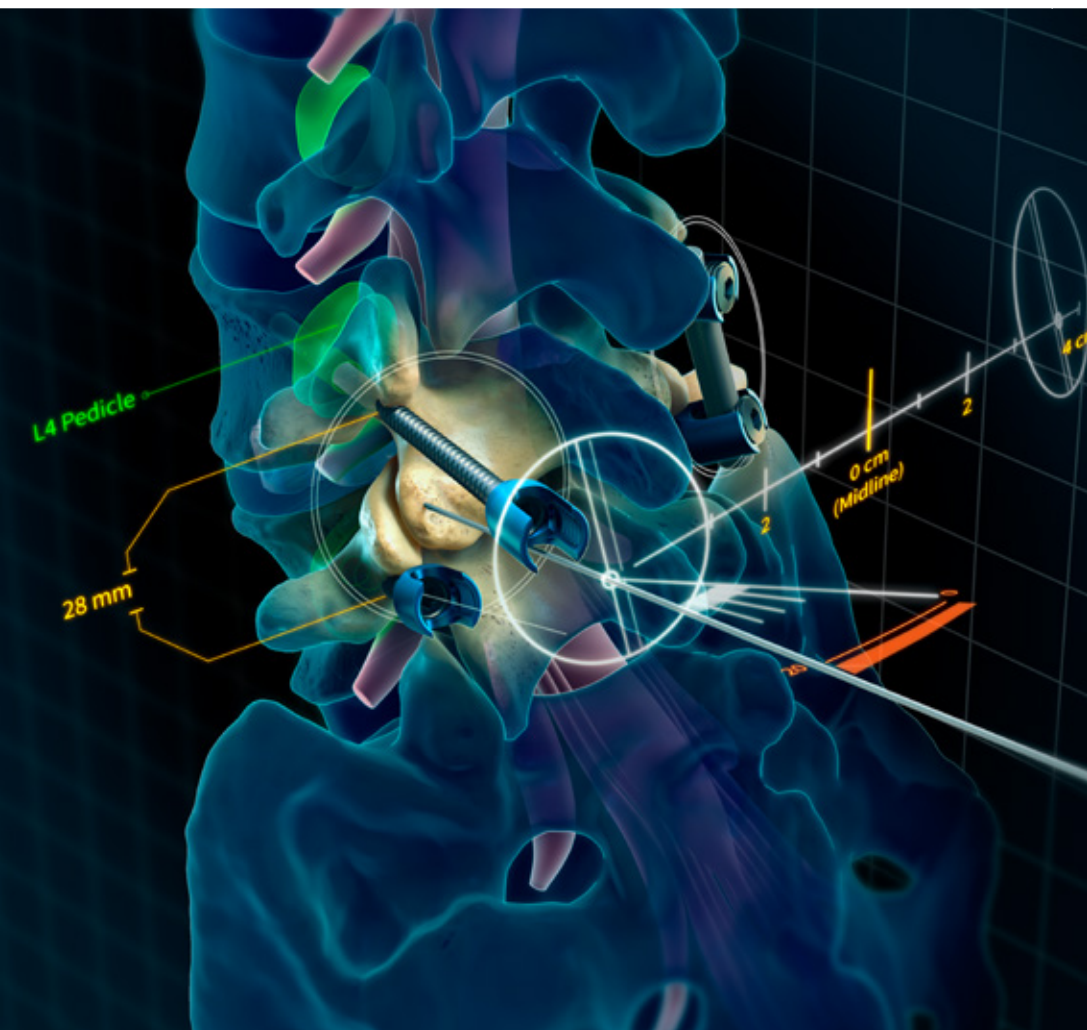


In-Person Event, Zoom Available

Barrow Spine Surgery Symposium

*Minimally Invasive and Emerging Techniques
for Complex Spine Surgery*



February 11, 2022

Sonntag Pavilion

Barrow Neurological Institute

St. Joseph's Hospital and Medical Center, Phoenix, Arizona



Barrow
Neurological Institute



SONNTAG
SPINE CENTER

Who Should Attend

Spine surgeons in training and in practice.

Objectives

The annual Minimally Invasive and Emerging Techniques for Complex Spine Surgery Symposium focuses on delivering education regarding the novel, innovative technologies within minimally invasive spine surgery.

The main goal of this event is to educate and train the next generation of neurosurgeons by exposing them to education and training. At this symposium, attendees will become fully immersed in the world of minimally invasive spine surgery. Topics include adult spinal deformity, single position surgery, and technology, in addition to case presentations. This environment establishes the opportunity to learn new minimally invasive spine surgery techniques with surgeons, fellows, and residents interacting by creating a mutually beneficial bidirectional educational setting.

Grand Rounds Portion

This portion of the symposium is certified for AMA PRA Category 1 Credit™ by the Baylor College of Medicine (BCM) Division of Continuing Professional Development (DCPD). BCM is accredited by the Accreditation Council for Continuing Medical Education (ACCME) and is required to ensure that this CE activity is planned and presented according to the ACCME's Criteria, Standards, and policies. **This portion is free of commercial support.**

Disclosure Policy

It is the policy of St. Joseph's Hospital and Medical Center to insure balance, independence, objectivity and scientific rigor in all of its educational programs. All those in control of content will disclose all relevant relationships with commercial interests. Detailed disclosures will be made in the activity handout materials.

[Register Here](#)



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AGENDA (Mountain Standard Time)

GOLDMAN AUDITORIUM

Grand Rounds (CME Credit Offered; 2.0 AMA PRA Category 1 Credits™)

- 7:30 am Organized Spine Surgery Today and Tomorrow
Chris Shaffrey, MD, FACS
- 8:15 am How I Envision the Future of Surgical Treatment of Adult Spinal Deformity
David Polly, MD
- 9:00 am Surgeons Can Work with Industry and Provide Exceptional Care
Regis Haid, MD

SONNTAG PAVILION/GOLDMAN AUDITORIUM

Mini Open TLIF (The work horse) (No CME Credit)

- 9:30 am Case Presentation
Fellow
- 9:40 am Navigated TLIF Should Be the Gold Standard
Roger Hartl, MD
- 10:00 am No Need for Navigation or Robotics. We Need Efficient and Affordable Health Care
Luis Tumialan, MD
- 10:20 am How I Do It and Why I Am Looking for Smaller Footprint TLIF
Michael Wang, MD
- 10:40 am Discussion
Praveen Mummaneni, MD

Single Position Surgery (No CME Credit)

- 11:00 am Case Presentation
Fellow
- 11:10 am LLIF: Lateral Single Position
Adam Kanter, MD
- 11:30 am LLIF: Prone Lateral Single Position
Juan Uribe, MD
- 11:50 am Discussion
Greg Mundis, MD

12:10 pm Work Lunch: When and How to Retire

Volker K.H. Sonntag, MD

Adult Spinal Deformity (No CME Credit)

- 12:50 pm Case Presentation
Fellow
- 1:00 pm Open Is Efficient, Effective, and Affordable
Greg Mundis, MD
- 1:20 pm MIS Is Not for Everyone, but When Indicated, It's Superior
Neel Anand, MD

1:40 pm What You Can and Can't Do with MIS Today
Jay Turner, MD

2:00 pm Discussion
David Polly, MD

Enabling Technologies (No CME Credit)

2:20 pm Case Presentation
Fellow

2:30 pm Navigation-Assisted Robotic “Real” Applications
Paul Park, MD

2:50 pm What Is Next on Enabling Technologies
Michael Virk, MD, PhD

3:10 pm How to Train Competent Spine Surgeons in the Era of “Enabling Technologies”
Laura Snyder, MD

3:30 pm From C1 to the Sacrum. The Stages of Coaching to Benefit Your Career
Yusuf Fayyadh, PhD

3:45 pm Registry in Spine Surgery
Jack Knightly, MD

4:00 pm **Break**

Putting It All Together: Case Discussion (No CME Credit)

4:15 pm Adult Deformity Case
Jay Turner, MD

Open vs. MIS Teams Discussion

1. MIS vs. Open
2. Long vs. Short
3. SI Fusion
4. L5/S1 (ALIF vs. TLIF vs. No Interbody)
5. Multiple Rods and Materials (Ti vs. CoCr)

Panel:

Open Team: Shaffrey, Polly, Mundis, Kakarla

MIS Team: Mumanneni, Park, Hartl, Anand

Judges: Turner, Wang, Kanter, Snyder

Course Directors

Juan Uribe, MD

Chief of Spinal Disorders
Sonntag Chair of Spine Research
Vice Chair of Neurosurgery

Jay Turner, MD, PhD

Neurosurgeon

Barrow Neurological Institute Faculty

Kumar Kakarla, MD

Neurosurgeon

Luis Tumialán, MD

Neurosurgeon

Laura Snyder, MD, FAANS

Neurosurgeon

Honored Faculty

Volker K.H. Sonntag, MD

Neurosurgeon, Emeritus

Invited Faculty

Chris Shaffrey, MD, FACS

Chief of the Duke Spine Division
Duke University School of Medicine
Durham, NC

Praveen Mummaneni, MD, MBA

Joan O'Reilly Endowed Professor in Spinal Surgery
Vice-Chairman, UCSF Dept. of Neurosurgery;
Co-director: UCSF Spine Center
Director: MIS/Complex Spine Fellowship
University of California, San Francisco

Roger Hartl, MD

Hansen-MacDonald Professor of Neurological Surgery
Director of Spinal Surgery, Weill Cornell Medicine
Director, Weill Cornell Medicine Center for Comprehensive Spine Care
Founder, Weill Cornell Tanzania Neurosurgery Initiative
NewYork-Presbyterian OCH SPINE
New York, NY

Paul Park, MD

Director, Neurosurgery Spine Program
Professor, Neurological Surgery
Professor, Orthopaedic Surgery
University of Michigan; Ann Arbor, MI

Greg Mundis, MD

Pediatric and Adult Spinal Deformity Surgery
Director San Diego Spine Fellowship
Chief of Spine Scripps Memorial La Jolla
CEO Global Spine Outreach
Scripps Clinic Department of Orthopedics
La Jolla, CA

Adam Kanter, MD

Professor of Neurological Surgery
Director, Minimally Invasive Spine Program
Director, Spine Fellowship Program
University of Pittsburgh School of Medicine;
Pittsburgh, PA

Michael Wang, MD, FACS

Professor, Neurological Surgery & Rehab Medicine
Spine Fellowship Director
Chief of Neurosurgery, Univ. of Miami Hospital
University of Miami Miller School of Medicine;
Miami, FL

Neel Anand, MD

Professor of Orthopedic Surgery
Department of Orthopedic Surgery
Minimally Invasive Spine Surgery
Director, Spine Trauma
Cedars-Sinai Medical Center; Los Angeles, CA

Michael Virk, MD, PhD

Assistant Professor of Neurological Surgery
Department of Neurological Surgery
Weill Cornell Medicine; New York, NY

Regis Haid, MD

Atlanta Brain and Spine Care
Atlanta, GA

David Polly, MD

James W. Ogilvie Professor and Chief of Spine Surgery
Catherine Mills Davis Endowed Professor,
Department of Orthopaedic Surgery
Professor of Neurosurgery
University of Minnesota; Minneapolis, MN

Jack Knightly, MD

President, Atlantic Neurosurgical Specialist
Vice-Chairman of Atlantic Health Institute,
Medical Director, Neuro-Spine team
Director, Neurosurgery
Morristown Memorial Hospital
Morristown, NJ

Yusuf Fayyadh, PhD

Director of Physician Development,
Department of Neurosurgery
Chief Culture Officer
USF Health Neuroscience Institute
Tampa, FL