

11th Annual Safety in Spine Surgery Summit 2026

Date: Friday, June 5, 2026

Location: Convene, 237 Park Ave, New York, NY

Theme: From Insight to Implementation: Building the Safer Spine of Tomorrow

7:00 am Registration and Continental Breakfast

7:45 am Welcome M. Vitale

7:50 am Session 1 | Human Factors and Cognitive Safety Mods: R. Sethi & M. Vitale

Why is Spine Surgery So Hard? D. Polly

Cognitive Autopilot in the OR: Recognizing Fatigue-Driven Errors G. Mundis

Wrong-level Near Miss: Anatomy, Bias, or System? B. Roye

The Bent Surgeon: Ergonomics and Longevity in Spine Surgery D. Skaggs

8:42 am Session 2 | Technology, Navigation, and Robotics Safety Mod: L. Lenke

When Navigation Fails: Anatomy, Algorithm, or Operator?

AI in Surgical planning: Decision Support vs. Decision Drift J. Lombardi

When Anatomy Isn't on Your Side:

Choosing the Right Tool for the Right Deformity E. Beauchamp

Utilizing Technology to Enhance Efficiency and Safety H. J. Kim

9:26 am Session 3 | Two Leaders in One Room: Training Benefits and Pitfalls of Dual Attending Surgery

Panel: R. Anderson, M. Gupta, H. J. Kim, S. Qureshi, R. Sethi Mod: Vitale

9:56 am Refreshment Break

10:26 am Session 4 | My Nightmare Case: Lessons Learned

Cases from M. Gupta, L. Lenke, S. Lewis, V. Nemani

10:56 am Session 5 | Hemodynamic Management, and Wound Closure Optimization Mod: TBD

Cell-Saver, Yes or No?? V. Nemani

Hemodynamic Conservation beyond TXA: Comprehensive Strategies S. Glassman

Top 5 Reasons Why Orthopedic Surgeons Don't Ask for Plastic's Help T. Imahiyero

11:30 am Session 6 | Keynote Lecture

Mod: M. Vitale

Introduction to Keynote Lecture

M. Vitale

The Rhythm of Success

Mark Rivera

12:20 Lunch

1:00 pm Session 7 | Best Papers

Mod: TBD

Best Paper 1: Seven Years of Safer Surgery: Declining Medical Complications After Adult Spinal Deformity Reconstruction

Atahan Durbas

Best Paper 2: GLP-1 Receptor Agonists and Bariatric Surgery on Fusion Integrity and Postoperative Outcomes Following Lumbar Fusion

Amanda Moser

Best Paper 3: Few Patients Meet Mean Arterial Pressure (MAP) Goals After Intraoperative Neuromonitoring (IONM) Changes During Pediatric Spine Surgery

Michaela J. O'Connor, MD

Best Paper 4: Machine Learning (ML) in Intraoperative Neuromonitoring (IONM): Updated Model Integrating Hemodynamic Data Detects Changes 35 Minutes Earlier Than Traditional IONM Surveillance

Varun Arvind

Best Paper 5: Radiation Dose and Hospital Costs Associated with Revision Surgery for Pedicle Screw Malposition: A Five-Year Single-Center Analysis

Renzo Laynes

Best Paper 6: Are We Really Reducing Radiation Exposure in Spine Surgery? A Systematic Review and Meta-Analysis of the Past Decade and What That Means for the Future

Kento Yamanouchi

Best Paper 7: Implanted Programmable Devices in Children Requiring Spine Deformity Surgery: What is Safe to Use?

Walter H. Truong, MD

Best Paper 8: Transfusion Practices, Postoperative Anemia, and Complications Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis

Josephine R. Coury, MD

Best Paper 9: Development of a Standardized Algorithm for Iatrogenic Vertebral Artery Injury in Cervical Spine Surgery

Raj Lavadi

1:55 pm Session 8 | Before the Cut: The Performance of Preparation Mod: E. Beauchamp

Aligning the Plan Before the Spine: A Stepwise Approach to Preop Planning in AdIS Z. Sarda

Preparing the Vulnerable Spine: Multidisciplinary Optimization
in Neuromuscular Scoliosis

T. Guillaume

Preop Optimization in Adult Spine Surgery

H. Prather

2:31 pm Session 9 | Industry and Innovation Panel Mods: R. Sethi & M. Vitale

Better, Not Just New: Evidence-Driven Growth in Spine Technology

3:01 pm Session 10 | ASC, Safety in Private Practice, Health and Economics Mod: R.Sethi

Panel: C. Good, V. Yanamadala, L. Nkrumah