

TENTATIVE SCIENTIFIC PROGRAM: NEUROSURGERY

SPINE OLYMPICS

DAY-1, FRIDAY, 21 -AUGUST 2026

➤ Breakfast Session: Young Turk session

➤ Morning Sessions – 09:30 AM Onwards

➤ Master Class Sessions: Challenges And Complication in Spinal Surgery

➤ Session A: **Surgical Grit: Handling Difficult Situations in Spine Surgery**

- ✚ Bleeding: What went wrong?
- ✚ Intra-operative nerve root injury - Lumbar - What next?
- ✚ Loss of MEP signal in spine surgery - What next?
- ✚ CSF Leak during surgery: The Good, The Bad, The Ugly
- ✚ Post-op wound CSF leak/ swelling - management
- ✚ Pedicle screw violation detected intra-op - Salvage and options
- ✚ Post-op radiculopathy/ deficit due to misplaced screw - Management
- ✚ Early post-op cage subsidence - Do you have to worry?
- ✚ Sagittal Balance: Do the goals always justify the means?
- ✚ Post-op radiculopathy/ deficit due to misplaced screw - Management

➤ Session B: **Revision techniques in spine surgery**

- ✚ Mastering the Re-Do: Revision Lumbar Micro-Discectomy
- ✚ Endoscopic Revision Strategies: Redefining the Repeat Discectomy
- ✚ Revision TLIF - Tips and tricks
- ✚ Revision Surgery in Kyphoscoliosis - When? How?
- ✚ Adjacent segment disease after prior Cervical fusion - management strategies
- ✚ Adjacent segment disease after prior Lumbar fusion - management strategies
- ✚ Revision Fusion Surgery
- ✚ Revision ACDF: Same & Adjacent level
- ✚ Revision CVJ surgery for cranial settling - How?
- ✚ Re-tethering after prior detethering surgery - causes, prevention and management

➤ Session C: **Failed Spine surgery - Lying in the Trench!**

- ✚ Screw pullout after spondylolisthesis surgery - Ways to salvage
- ✚ Post-spinal surgery arachnoiditis - The worst thing to happen?
- ✚ Persistent radicular pain after lumbar discectomy - How did that happen?!
- ✚ Fresh and Major Deficit after deformity surgery - Can it get any worse?
- ✚ Wrong level surgery - Can it still happen?
- ✚ My worst complication - 1
- ✚ Patient I wish I hadn't Operated - 1
- ✚ Lessons Learned from My Patients!!
- ✚ It's a Whiteout: Spinal Infections Gone Wild

➤ Afternoon Sessions – 02:30 PM Onwards

➤ Session D: **Capsule courses**

- ✚ Capsule course in Tubulogy
- ✚ Capsule course in UBE spine
- ✚ Capsule course in Monoportal spine
- ✚ Capsule course in Deformity spine
- ✚ War of Robots !!

➤ Session E: **Spine - Mine talk**

- ✚ Pearls and Pitfalls of Developing Successful Spine Practice
- ✚ Working Effectively with Multi-Disciplinary Colleagues
- ✚ Maintaining Healthy Work-Life Balance
- ✚ Read One, Review One, Write One: Building Your Skills for Reviewing, Designing, and Publishing Research
- ✚ Does Intelligent Life Exist Outside the Spine Surgery Universe?
- ✚ All in on Artificial Intelligence vs Let's Keep Our Profession Human
- ✚ Academics vs. Private Practice vs. an Amalgamation of Both
- ✚ Personal and Business Finance: Things I Wish I Had Known Early On
- ✚ Early Career Surgeons: Best Advice Given and Hardest Lessons Learned
- ✚ Juggling Academia, Clinical Care, Research, Leadership, and Family Life

➤ Session F: **Back to spine school**

- ✚ Spine Pain Impostors: Piriformis Syndrome, GTPS, Peroneal Neuropathy... Don't be fooled!
- ✚ Where is the pain coming from ?
- ✚ Overcoming the Learning Curve: I Did...So Can You
- ✚ Open Your Ears, Not Your Mouth: High-Yield Clues in The Patient's History
- ✚ No Skin, No Win: High-yield Exam Findings
- ✚ Mimickers of Cervical and Lumbar Radiculopathy
- ✚ Challenging Cases: Imaging Findings You Do Not Want to Miss!
- ✚ Ionm: Luxury or necessity?
- ✚ Integrating the SI joint and pelvic floor in low back pain management
- ✚ What do I do first? Hip or spine?



➤ Breakfast session: **Young Turk session**

➤ Morning Session: 09:00 AM Onwards

➤ **Session A: "Game of Bones": Deformity for Non-Deformity Surgeons - The Basics**

- ✚ Full-Spine Alignment: Essential Anatomy from Odontoid to Coccyx
- ✚ GAP, Roussouly and Apex of Lordosis
- ✚ Mastering Sagittal Balance: Practical Techniques for Adult Deformity Correction
- ✚ The Fundamentals of Spinal Deformity: A Surgeon's Guide to Classification
- ✚ Decoding Sagittal Imbalance: Key Radiographic & Pelvic Parameters
- ✚ Defining the Strategic Vertebrae: Choosing the Anchor Points
- ✚ Optimizing Fusion Levels: Selecting the UIV and LIV with Precision
- ✚ Scoliosis Reduction: Advanced Maneuvers, Tips, and Clinical Pearls
- ✚ Short vs. Long Segment Revisions: A Decision Tree for UIV Selection
- ✚ Kyphosis in the Growing Spine: How to Evaluate and When to Intervene
- ✚ Kyphotic Deformity Correction: Core Principles and Surgical Techniques
- ✚ Navigating Degenerative Scoliosis: Managing Complexity and Avoiding Pitfalls
- ✚ Neuraxial abnormalities with scoliosis: Summary of evidence
- ✚ Does the Location of Lordosis Matter: Just Correct PI-LL Mismatch vs Level-Specific Correction Targets
- ✚ Fusion vs. Freedom: The Motion Preservation Debate – Arthrodesis vs Arthroplasty
- ✚ Twists and Turns: Thoracolumbar Scoliosis

➤ **Session B: Precision Correction in Complex Deformity**

- ✚ Neglected scoliosis: How to navigate?
- ✚ The Unbalanced Pelvis, Balanced Spine - Classification and Assessment
- ✚ Pedicle screw insertion in a scoliotic spine: Tips, tricks and pitfalls
- ✚ Multiple Stage Surgery: When to Go Front, Back, Lateral, Prone
- ✚ Be Wary of Coronal Alignment When Revising Degenerative Failures
- ✚ Osteotomies in AIS: Indications and Techniques for VCR and PSO
- ✚ HARMONY- Avoidance of PJK
- ✚ High-Grade Spondylolytic Spondylolisthesis: Taming with MIS
- ✚ The Reality of Robotics: Fact vs. Fiction in Augmented Spine Surgery
- ✚ Hybrid Tubular Surgery: Integrating Techniques for Diversified Spine Pathology
- ✚ Sex & Spine Surgery
- ✚ Lumbopelvic fixation - A Surgical armamentarium for lumbosacral instability"
- ✚ SIJ Pain Referral Does Not Always Predict SIJ Diagnosis!!
- ✚ Segmental "Deformity" Correction: Does it Matter?

➤ Afternoon Sessions - 02:30 PM Onwards

➤ Session C: **Tumor Talk**

- ✚ The GCT Enigma: Navigating De Novo and Recurrent Giant Cell Tumors
- ✚ Sacral Chordoma: Core Principles of Radical Resection and Management
- ✚ Guidelines to choose surgical vs conservative therapy in Spinal metastases
- ✚ Giant/ Multicompartmental Schwannomas - Management options
- ✚ Intramedullary Spinal Tumor- Principles & Management
- ✚ Primary Spine Tumors: Separation Surgery is the 21st Century Answer vs. En Bloc Resection is Still the Way to Go

➤ Session D: **Precision Strategies for Unravelling Complex Curves**

- ✚ MIS Achieving lordosis: Why is it important?
- ✚ Lordosis in MIS-TLIF: Technical Options and Anatomical Limitations
- ✚ Lateral Access Strategies: Maximizing Lordosis through OLIF and XLIF
- ✚ Subsidence in MIS Fusion: Does it Compromise Long-Term Alignment Gains?
- ✚ MIS Achieving lordosis: Intraoperative assessment & How?
- ✚ MIS Achieving lordosis: its right choice baby..!! Choosing right fusion tech
- ✚ Defining the Boundaries: Current Limitations in MIS Deformity Correction
- ✚ Complication Avoidance and Management in MI-TLIF
- ✚ Choosing the Adjacent Segment Disease Corridor: PLIF / TLIF / OLIF / LLIF / ALIF -- When & Why it Matters

➤ Session E: **Endoscopic Spine Surgery: Handling the Learning Curve and Advancing the Field**

- ✚ Never Too Late to Learn Endoscopy: Perspectives from a Deformity Surgeon
- ✚ Pushing the Limits of Endoscopy
- ✚ Uniportal vs Biportal Debate: Two Portals are Better than One
- ✚ Why Endoscopy? Why not Tubular?
- ✚ Full Endoscopic Fusion: Tips, Tricks, and Learning Curve
- ✚ KLIF: Indirect Decompression and Fusion is the
- ✚ Way Forward
- ✚ End Plate Spur: The Forgotten Pathology in Lumbar Foraminal Stenosis and How We Handle It Using BESS (Biportal Endoscopic Spine Surgery)
- ✚ NextGen Endoscopy: From Simple Discectomy to Complex Reconstruction
- ✚ "Spine endoscopy and fusion! Does it make sense?"
- ✚ Mind the Gap: Symptom Relief Outpaces Mobility Gains After Endoscopic Lumbar Decompression Surgery
- ✚ Endoscopic Decompression for spinal stenosis 10 tips to achieve it

➤ Breakfast Session: Young Turk session

➤ Morning Sessions – 09:00 AM Onwards

➤ **Session A: Osteoporotic Compression Fractures - "Breaking Bones"**

- ✚ Conservative vs intervention for OVCF - When? How?
- ✚ Role of posterior fixation in VCF - When? How?
- ✚ Pitfalls and current state of evidence for management of osteoporosis
- ✚ Kyphoplasty vs Vertebroplasty - Which is better?
- ✚ Instrumentation in osteoporotic spine - Techniques, Precautions

➤ **Session B: "Atlas Shrugged": CV Junction Instability – Evolving Concepts**

- ✚ The Real Anatomy behind the Scene
- ✚ Genesis OF Instability in C1-c2 joint
- ✚ Redefining Atlanto-Axial Dislocation and Multiplanar Realignment
- ✚ ACM with AAD
- ✚ Principal surgical maneuvers
- ✚ CVJ anomalies: Good, Bad and Ugly...Evolution in management and current role of TOO

➤ **Session C: Crossfire Debates The Never-Ending Debate**

- ✚ Cervical spondylotic myelopathy - Anterior approach
- ✚ Cervical spondylotic myelopathy - posterior approach
- ✚ DCM - Current recommendations/ guidelines
- ✚ AAD With Assimilation: Occipito-cervical fixation
- ✚ Chiari with syrinx - C1-C2 fixation

➤ **Session D: Cervical radiculopathy: how to address?**

- ✚ Soft disc:
- ✚ Cervical radiculopathy in athlete
- ✚ Cervical radiculopathy with focal kyphosis

➤ **Spinal Instrumentation: Seven Steps Secrets**

- **Capsule course in SPINE Trauma**
- **Capsule course in Spine Infection**
- **Capsule course in DISC surgery**



➤ **Session E: Disc Track**

- ✚ Approach to disc Surgery
- ✚ Limited vs Aggressive Disc Surgery-Does the discussion Still Matter?
- ✚ Tubular Discectomy
- ✚ Endoscopic vs. Tubular Discectomy: A Battle of Precision and Recovery
- ✚ Transforaminal Approach to Large Central Disc
- ✚ Full- Endoscopic thoracic discectomy - Technique and Challenges
- ✚ Danger Zone" in Unilateral Biportal Endoscopy or UBE

➤ **Session F: Keynote Lectures**

- ✚ It's a Deformity Surgery - Fix the Whole Deformity or Regret It Later
- ✚ Lateral Access Techniques: Tips from the Experts - TRANSPSOAS
- ✚ LLIF MIS Corpectomy: Thoracolumbar Trauma
- ✚ Pro ADR: I Don't Only Want to Preserve Motion, I Want to Restore It
- ✚ Fix the Focal Problem: Treat the Patient, Not the X-ray
- ✚ The Rise and Fall of AxiaLIF - Major Lessons to Be Learnt!!

