

## SMISS-SSS-MISST 2026 E-Poster Presentation

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23	Identification of Type-1B Nidre and Macnab Anomalous Nerve Root in Endoscopic Spine Surgery and Intraoperative Management with Damage Control: A Case Study	Tanmay Avhad INDIA
26	Expanding the Horizons of Robotic Surgery: Robot-assisted Oblique Lateral Lumbar Interbody Fusion (OLLIF) — A Case Report	Saurabh Kulkarni INDIA
28	Comparative Biomechanical Analysis of Fixation Strategies following Oblique Lateral Interbody Fusion: Finite Element Study of Lateral and Posterior Constructs	Subum Lee KOREA
30	Stand-Alone OLIF: A Viable Treatment Option for Adjacent Segment Disease	Shubham Kadam INDIA
32	Navigation assisted Endoscopic excision of Lumbar Vertebral Osteoid Osteoma in 21-year-old Male	Shubham Kadam INDIA
33	Intraoperative 3D Imaging with MRI Fusion-based Navigation: A True GPS in Spine Surgery	Shubham Kadam INDIA
34	Prospective Study to Compare the Outcomes ACDF vs Posterior Endoscopic Cervical Foraminotomy in Surgical Management of Compressive Unilateral Cervical Radiculopathy	Shubham Kadam INDIA
36	Intraoperative Changes in Modified Coronal Root Angle following Biportal Endoscopic Lumbar Decompressive Foraminotomy for Lumbar Foraminal Disc Disease	Min Seok Kang KOREA
38	Lumbar Interbody Fusion Using a Robot Assisted Spine Surgery: A Comparative Study of Two Surgical Techniques Performed in the Early Phase	Shinichiro Takao JAPAN
45	Flavum Shield Technique: A Novel Ligamentum Flavum-preserving Method to Protect Neural Elements during Cage Insertion in Endoscopic Lumbar Interbody Fusion (EndoLIF)	Rajeesh George SINGAPORE
55	Real-world Outcomes of Surgery for Spinal Metastases in the Modern Era of Lung Cancer Treatment —A Single-centre Retrospective Study	Yuto Otani JAPAN
73	Intraoperative Breakage of Carbon Fiber-reinforced Pedicle Screw in the Thoracic Spine: A Case Report and Review of Literature	Vikaesh Moorthy SINGAPORE
75	Radiological Cut-off Values for Patient Selection in Intravertebral Cage Augmentation for Osteoporotic Vertebral Fractures: A Preliminary Study	Ha Wonsuk KOREA
94	Postoperative Spinal Epidural Hematoma (POSEH) in Full Endoscopic Spine Decompressive Surgery: A Case Series and Clinical Review on Drainage, Hemostasis, and Topical Sealants	Chung Yuhsuan TAIWAN
98	Short-segment Fixation using Cement-Augmented Fenestrated Pedicle Screws Combined with Vertebroplasty for Unstable Osteoporotic Vertebral Fractures	Masahiro Kitagawa JAPAN
100	Early Comparative Outcomes of Three Endoscopic Spine Surgery Techniques by a Single Surgeon during Initial Adoption	Tatsuhiro Sekiya JAPAN
103	Factors Associated with Deflation Effect during Balloon Kyphoplasty: An Intraoperative Fluoroscopic Analysis	Yuya Chosei JAPAN
104	Comparison of Clinical Outcomes Between Unilateral Biportal Endoscopic and Microendoscopic Discectomy for Lumbar Disc Herniation	Kazuya Nishizawa JAPAN
107	Standardized Nomenclature of the Maneuvers of Interlaminar Endoscopic Spine Surgery & Its implication in Contralateral Decompression Techniques	Prasad Patgaonkar INDIA
108	Skeletal Muscle-specific Markers Reveal Significantly Lower Paraspinal Injury in Full-endoscopic compared to Open Microscopic Lumbar Spine Surgery: A Prospective Observational Study	Choi Seung Jin KOREA
121	Endoscopic Cervical Laminoplasty Preserving the Spinous Process Fulcrum and Posterior Tension Band in Cervical Myelopathy (Uniportal and Biportal)	Ma Hyun-Jin KOREA

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128	Post-Transforaminal Endoscopic Lumbar Surgery Infection: Role of Instrumented Fusion in Definitive Management	Ajay R. Kothari INDIA
129	A Journey from Traditional Open Surgery to Endoscopic Spine Surgery: Bridging Innovation and Tradition	Feng Li CHINA
131	Hyperselective Segmental Fusion Deformity Correction Technique for Adolescent Idiopathic Scoliosis: A Technical Note with Case Series	Yudha Mathan Sakti INDONESIA
136	Improved Efficiency in Unilateral Biportal Endoscopic Spine Surgery Using an Ultrasonic Bone Drill	Zhang Yiqi CHINA
139	Assessment of Mental Status in Patients Undergoing Minimally Invasive Lumbar Spine Surgery	Zhang Yiqi CHINA
141	Fix and Treat vs Treat and Fix: Navigating Osteoporotic Spine Surgery with Timely Intervention and Targeted Therapy	Maria Florencia Deslivia SINGAPORE
142	Preventing Inferior Anchor Canal Breach at C3–C4 ACDF: An Observational Study of a Novel Inversion Technique	Maria Florencia Deslivia SINGAPORE
144	Interspinous Devices as a Minimally Invasive Fusion Option for Degenerative Lumbar Disorders	Hsiao Mei-Cheng TAIWAN
148	A Retrospective Pilot Study Assessing the Use of PathKeeper 3D Optical System Navigation System in Pediatric and Adolescent Scoliosis Patients Undergoing Spinal Surgery	Josh Schroeder ISRAEL
149	Patient Factors Influencing Pain Improvement Following Endoscopic Spine Surgery at a Tertiary Centre	John Thng SINGAPORE
151	Cement-augmented Pedicle Screws Complication Study -The Study using a Questionnaire in JSSR (The Japanese Society for Spine Surgery and Related Research)	Kazuo Nakanishi JAPAN
152	Navigation-assisted Full-endoscopic Rhizotomy and Ablation for Coccydynia: Singlecenter Retrospective Study	Lee Jae Hwan TAIWAN
154	Multiple Endoscopic Access Lumbar Interbody Fusion (MALIF): A New Technique for Unilateral Biportal Endoscopic Lumbar Interbody Fusion Using Monoportal Endoscopic Spine Surgery Techniques	Shigeto Hiratsuka JAPAN
156	Advancement in Full Endoscopic Spine Surgery; Trends and Clinical Insights	Md. Shah Alam BANGLADESH
157	Beyond the Hunch: Navigating the Landscape of Post TB - Kyphosis	Md. Shah Alam BANGLADESH
160	Radiation-Free AR-guided Percutaneous Pedicle Screw Placement for Minimally Invasive Stabilization of Spinal Fractures in Diffuse Idiopathic Skeletal Hyperostosis	Atsushi Kojima JAPAN
166	Uniportal Biportal Endoscopy Foramen Magnum Decompression with Duraplasty for ChiariMalformation Type 1: A Technical Note	Muhamad Aulia Rahman INDONESIA
167	Biportal Endoscopy Coccygectomy for Unstable Coccygeal Fracture: A Technical Note	Muhamad Aulia Rahman INDONESIA
178	Hasan Sadikin Laminoplaasty: A Technical Note of an Alternative Burrless Cervical Laminoplasty Technique for Resource-limited Settings	Yanuar Kristianto INDONESIA
179	Postoperative Dysesthesia Secondary to Thermal Injury following Biportal Endoscopy for Lumbar Canal Stenosis: A Report of Three Cases and Technical Details	Lee Chul Ou KOREA
183	Evaluation of Cement Leakage after Percutaneous Vertebroplasty	Kazuya Masuda JAPAN
196	A Motion-to-load-to-response Digital Twin Strategy for Rapid Biomechanical Assessment of Instrumented Lumbar Segments	Lim Dohyung KOREA
197	Clinical Study on Spinal Tuberculosis with Special Interest in Rifampicin/Drug Resistant Tuberculosis	Dixit Sourabh INDIA
198	Cauda Equina Syndrome: A Rare Presentation of Cage Migration following Lumbar Fusion Surgery - A Case Report	Aditya Agarwal INDIA

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201	Allograft vs Bioactive Glass-ceramic Cages in Anterior Cervical Discectomy and Fusion: Long-term Randomized Trial Follow-up	So Hyungmin KOREA
208	Comparing the Perioperative and Postoperative Outcomes of Interlaminar and Transforaminal Endoscopic Lumbar Facet Cyst Removal: A Systematic Review and Meta-analysis	Ian Teng SINGAPORE
210	Clinical Outcomes of a Surgical Strategy following Infection Control for Pyogenic Spondylitis	Honoka Iwasa JAPAN
213	Fully Endoscopic Decompression of Flaval Cyst causing myelopathy: A Case Report and Review of Literature	Lai Sen Yao Joseph SINGAPORE
214	Does Lung Primary Necessarily Mean Poor Prognosis in Spinal Metastases	Christian Tan SINGAPORE
215	The Transoral Endoscopic Approach (TEA) to the Upper Cervical Spine: A Comprehensive Surgical Technique, Feasibility and Outcomes in a Case Report	Natcha Chutchomchuen THAILAND
218	Development of a Predictive Model for Clinically Meaningful Functional Improvement Following Anterior Cervical Procedures	Cassie Yang SINGAPORE
222	Triple Level Cervical Disc Arthroplasty: An Effective Alternative to ACDF or Hybrid Procedures in Multilevel Cervical Degenerative Disc Disease	Jonathan Yeo SINGAPORE
227	Hybrid Cervical Arthroplasty for Multilevel Degenerative Disc Disease: Early Single-centre Outcomes in the Context of Randomized Evidence	Lee Chun Lin MALAYSIA
228	A Study on Intramedullary Signal Changes on Acute-phase T2-weighted MRI in Non-traumatic Cervical Spinal Cord Injury	Yoshihisa Sugimoto JAPAN
229	Balancing Stability and Invasiveness: An Updated Meta-analysis of Short-segment Versus Long-segment Pedicle Screw Fixation in Thoracolumbar Burst Fractures	Seva Ejsma INDONESIA
230	Bridging the Gap: Can MIS Spine Surgery Address India's Spine Disease Burden? A Health Systems and Workforce Analysis	Aditya Agarwal INDIA
233	Who Benefits from Spinal Metastases Surgery? A Three-variable Risk Score and Treatment-naïve Synchronous Presentation	Christian Tan SINGAPORE
236	Time-dependent Neurological Recovery in Acute Spinal Cord Injury: A Meta-analysis of Early Versus Delayed Surgical Decompression	Raditya Suryadhi INDONESIA
237	Regional Bone Density Distribution in the Subaxial Cervical Lateral Mass: A CT Hounsfield Unit Analysis to Guide Screw Placement	Tan Hui En Janice SINGAPORE
240	Awake Unilateral Biportal Endoscopy as a Physiological Model Reveals Instrument-Induced Transient Outflow Obstruction as the Mechanism of Pressure-Related Symptoms	Prudvi Kumar Reddy Kamazala INDIA
243	Does Irrigation Direction Matter? A Prospective MRI-based Comparative Study of Side-throw Versus End-throw Cannulas in Lumbar Unilateral Biportal Endoscopic Surgery	J Naresh-Babu INDIA
246	Beyond the 8-Hour Window: Rapid Neurological Recovery Following Delayed Corticosteroid Therapy in Post-traumatic Pediatric SCIWORA	Kenny Gozal INDONESIA
248	Navigation-assisted Transforaminal Endoscopic Thoracic Discectomy under Local Anesthesia: A Case Illustration and Technical Note	Lee Ting Soh Tamara SINGAPORE
251	Full-endoscopic Decompression at L5/S1 with Enbloc Resection of the Lumbosacral Ligament: A Technical Note	Lee Ting Soh Tamara SINGAPORE
254	BESS vs MIS Decompression and Fusion on Spondylolisthesis, Which One to Choose: A Systematic Review and Meta Analysis	Suryadi Wirawan INDONESIA
257	Global Burden of Low Back Pain in Older Adults and Its Attributable Risk Factors From 1990 to 2021	Zou Congying CHINA

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260	Technique of Segmental Realignment in Higher Grade Spondylolisthesis by the UBE Fusion Technique	Harsh Vardhan Binaykia INDONESIA
262	Surgical Challenges in L5–S1 Hemivertebra with Lumbosacral Dysplasia: A Case Series	Harsh Vardhan Binaykia INDONESIA
264	Robot-assisted Percutaneous Kyphoplasty for Severely Collapsed Osteoporotic Burst Fractures	Joshua Song SINGAPORE
273	Endoscopic Management of a Duplicate Nerve Root – Technique	Sahil Garg USA