

SMISS-SSS-MISST 2026

Podium Presentation

FREE PAPER 1 Endoscopy | 17 July 2026 | 10:15-11:00 | Gardenia Room (mezzanine floor)

CHAIR Huang Yilun, Singapore

Moderators Marcus Ling, Singapore | Akarawit Asawasaksakul Thailand

10:15-11:00	ID No.	Topic	Presenter
10:15-10:19	56	Arthroscopic-assisted Uniportal Spinal Surgery for Resection of a Thoracic Spinal Gouty Tophus	Zhang Jinlei CHINA
10:19-10:23	58	Integrated Optical and Magnetic Navigation for Simplified Percutaneous Transforaminal Endoscopic Lumbar Discectomy: A Novel Approach	Yao Xingchen CHINA
10:23-10:27	125	Randomized Controlled Trial of Endoscopic vs Microscopic Discectomy in Lumbar Disc Herniation	Ajay R. Kothari INDIA
10:27-10:32	Q & A		
10:32-10:36	239	Sagittal Alignment and Spinopelvic Parameters After UBE vs Open TLIF - Are We Matching the Gold Standard?	Harsh Vardhan Binaykia INDIA
10:36-10:40	35	Percutaneous Endoscopic Treatment for Lumbar Disorders as Day Surgery : A-2-Year Follow-up Retrospective Cohort Study	Wang Shuo CHINA
10:40-10:44	44	Unilateral Biportal Endoscopic (UBE) Posterior Foraminotomy for Cervical Radiculopathy: A Retrospective Clinical Analysis of 30 Consecutive Cases	He Guanping CHINA
10:44-10:48	106	FAPDIS Algorithm for Selection of Full Endoscopic Approach for Symptomatic Nerve Root Decompression	Prasad Patgaonkar INDIA
10:48-10:53	Q & A		

FREE PAPER 2 Endoscopy | 17 July 2026 | 11:00-11:45 | Gardenia Room (mezzanine floor)

CHAIR Thomas Tan, Singapore

Moderators Pang Boon Chuan, Singapore | Wongthawat Liawrungrueang, Thailand

11:00-11:45	ID No.	Topic	Presenter
11:00-11:04	118	Full-endoscopic Direct Pars Repair with Bone Grafting and Temporary Percutaneous Pedicle Screw Fixation for Adult Lumbar Spondylolysis	Katsuhiko Ishibashi JAPAN
11:04-11:08	217	Comparative Analysis of Uniportal and Biportal (Contralateral and Ipsilateral) Endoscopic Spine Surgery for Cervical Foraminal Stenosis: Clinical and Radiographic Outcomes	Borriwat Santipas THAILAND
11:08-11:12	8	Stable Low - Grade Degenerative Spondylolisthesis Does Not Adversely Affect Clinical Outcome of Full-endoscopic Decompression in Patients with Spinal Stenosis	Liang Yi-Hao Luis KOREA
11:12-11:16	22	Evaluation of a Novel Posterolateral-Tip of Spinous Process (PL-TOSP) 25-Degree-Entry Angle Guide for Enhancing Precision and Efficiency in Transforaminal Endoscopic Spine Surgeries	Tanmay Avhad INDIA
11:16-11:21	Q & A		
11:21-11:25	234	Single-Incision Multi-Level (SIML) Uniportal Endoscopic Decompression: a Technical Note with Case Illustrations in Complex Revision Lumbar Pathologies	Dickson Chau SINGAPORE
11:25-11:29	29	Technical Feasibility and Early Outcomes of Minimally Invasive Transforaminal Lumbar Interbody Fusion with Large-footprint Cage (MIS-LTLIF) via Tubular Approach: A Novel Surgical Technique	Shubham Kadam INDIA
11:29-11:33	51	Comparison of Clinical Results Between Cervical Endoscopic Foraminotomy and Anterior Cervical Decompression and Fusion for Cervical Radiculopathy	Akihito Minamide JAPAN
11:33-11:38	Q & A		

FREE PAPER 3 Trauma | 17 July 2026 | 11:45–12:30 | Gardenia Room (mezzanine floor)

CHAIR John Chen, Singapore

Moderators Mohd Zaim, Malaysia | Yu Chun Sing, Singapore

11:45–12:30	ID No.	Topic	Presenter
11:45-11:49	64	Screw Head-only Removal to Prevent Vertebral Fracture After Implant Removal for Osteoporotic Vertebral Fractures	Hirotohi Yamane JAPAN
11:49-11:53	49	OLIF vs TLIF for Degenerative Spondylolisthesis with Spinal Stenosis: A Subgroup Analysis Based on Stenosis Severity	Lin Yazhou CHINA
11:53-11:57	158	Efficacy, Safety and Reliability of Surgery by Single Anterior Approach in Neglected, Lately Presented Sub-Axial Cervical Spine Injury	Md. Shah Alam BANGLADESH
11:57-12:02	Q & A		
12:02-12:06	159	Surgical Strategies for Osteoporotic Vertebral Fractures: Balancing Stability and Biology	Md. Shah Alam BANGLADESH
12:06-12:10	161	Awake Percutaneous Fixation for Unstable Fractures of the Spine in High-risk Patients	Josh Schroeder ISRAEL
12:10-12:14	189	Full-endoscopic Anterior Double Odontoid Screw Fixation in Type II Odontoid Fractures: A Comprehensive Surgical Technique and Case Series	Wongsapat Prayatkul THAILAND
12:14-12:19	Q & A		

FREE PAPER 4 Cervical | 17 July 2026 | 13:30-14:15 | Azalea Room (mezzanine floor)

CHAIR Gamaliel Tan, Singapore

Moderators Mike Gimenez, Philippines | Victor Wang, Singapore

13:30–14:15	ID No.	Topic	Presenter
13:30-13:34	41	Surgical Strategies and Outcomes of One-stage Posterior Resection for Congenital Cervicothoracic Junction (CTJ) Deformities	Yong Hai CHINA
13:34-13:38	102	What Makes a Difference? Return to Driving After Cervical Disc Replacement	Yong Jung Hahn SINGAPORE
13:38-13:42	27	The Effect of Exoscopic Minimally Invasive Cervical Open-door Laminoplasty on Reducing Postoperative Axial Pain and Cervical Kyphotic Deformity	Kentaro Yamane JAPAN
13:42-13:47	Q & A		
13:47-13:51	91	Cervical Vertebral Cortexplasty Technique in Anterior Controllable Antidisplacement and Fusion for Osteoporotic Cervical-OPLL	Lu Qilin CHINA
13:51-13:55	119	Post-Operative Outcomes In Patients Undergoing Novel C3 Dome – C7 Reverse Dome Open-door Laminoplasty	Aarav Singh Sandhu SINGAPORE
13:55-13:59	255	H-Line – A Sagittal Curve-specific K-line for Selecting Cervical Laminoplasty	Lim Kia Teng SINGAPORE
13:59-14:04	Q & A		

FREE PAPER 5 General Spine | 17 July 2026 | 15:30-16:15 | Azalea Room (mezzanine floor)

CHAIR Loo Wee Lim, Singapore

Moderators Chua Soo Yong, Singapore | Weerasak Singhatanadgige, Thailand

15:30–16:15	ID No.	Topic	Presenter
15:30-15:34	147	ERAS in Spine Surgery: Our Institutional Experience and Lessons Learned	Yap Ming Quan Wayne SINGAPORE
15:34-15:38	270	Does Motion Preservation Confer Advantages Over Fusion for Patient's Mental Health?	Sahil Garg USA
15:38-15:42	54	Real Time Location System Assessment of Early Postoperative Recovery After Lumbar Decompression According to Surgical Approach	Park Sub-Ri KOREA
15:42-15:47	Q & A		
15:47-15:51	57	Retrospective Review on the Trend of Lumbar Spinal Decompression Surgery in a Single Tertiary Centre	Lee Kai Lin SINGAPORE
15:51-15:55	77	Spinal Instability Spondylodiscitis Score (SISS) as a Predictor of Reoperation After Surgical Treatment for Pyogenic Spondylodiscitis	Tomoyuki Kusakawa JAPAN
15:55-15:59	164	Pelvic Incidence as a Surgical Decision Modifier in Lumbar Stenosis: When Should We Add an Interlaminar Device?	Hui Si Jian SINGAPORE
15:59-16:03	276	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
16:03-16:08	Q & A		

FREE PAPER 6 Technology | 17 July 2026 | 16:15-17:00 | Azalea Room (mezzanine floor)

CHAIR Joshua DeCruz, Singapore

Moderators Ichap Syafuddin, Indonesia | Josh Schroeder, Israel

16:15–17:00	ID No.	Topic	Presenter
16:15-16:19	216	A Comprehensive Framework for the Radiographic Assessment of Lumbar Pedicle Screw Instrumentation: Review of Literature and a New Proposed Criteria Assessment	Borriwat Santipas THAILAND
16:19-16:23	50	The Radiographic Outcomes of Cannulated Screws Insertion with Robotic-assisted Navigation in Lenke Type 1 Adolescent Idiopathic Scoliosis	Chang Mingzheng CHINA
16:23-16:27	69	The MRI-based Vertebral Bone Quality (VBQ) Score as a Predictor of Correction Loss Following Balloon Kyphoplasty	Yushi Yamaguchi JAPAN
16:27-16:32	Q & A		
16:32-16:36	120	A Comparison of Gait Kinematic and Muscular Activity Between Walking Cane and a Walker in The Elderly with Sagittal Imbalance	Panyajarn Laohapornsvan THAILAND
16:36-16:40	226	Novel Modular Implant for Lumbar PVCR: Morphometric-Guided Design and Finite Element Analysis Study in the Indonesian Population	Andhika Yudistira INDONESIA
16:40-16:44	199	Beyond the Buzz: What Healthcare Providers Really Think About Robotic Spine Surgery?	Tan Hui Juan Jacqueline SINGAPORE
16:44-16:49	Q & A		

FREE PAPER 7 Endoscopy | 18 July 2026 | 08:00–08:45 | Gardenia Room (mezzanine floor)

Chairman Ang Mu Liang, Singapore

Moderators Nantawat Uttamo, Thailand | Warayos Trathitaphun, Thailand

08:00-08:45	ID No.	Topic	Presenter
08:00-08:04	241	Ultrasonic Bone Scalpel Versus High-speed Drill in Biportal Endoscopic Cervical Foraminotomy: A Randomized Study Demonstrating Superior Efficiency and Safety in Medial Pediclectomy	J Naresh-Babu INDIA
08:04-08:08	92	Risk Factors of Incomplete Clinical Improvement Following Microscopic and Endoscopic Lumbar Discectomy: An Analysis of 1-year Follow-up Prospective Data	Win Boonsirikamchai THAILAND
08:08-08:12	97	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
08:12-08:17	Q & A		
08:17-08:21	99	Application of the Far-lateral Approach in Uni-portal Non-coaxial Spinal Endoscopic Surgery: An Evidence-based and Delphi Consensus Approach Among Chinese Expert Opinions	Wang Shuqiang CHINA
08:21-08:25	126	Unilateral Biportal Endoscopy for Unilateral Laminotomy and Bilateral Decompression in Two Levels Lumbar Canal Stenosis: A Prospective Study	Ajay R. Kothari INDIA
08:25-08:29	249	Effectiveness and Safety of Epinephrine-supplemented Irrigation Fluid in Assisted Full-endoscopic Spine Surgery (AFESS): A Retrospective Comparative Study	Yuka Yamami JAPAN
08:29-08:33	268	Radiation Stewardship in Uniportal Lumbar Endoscopic Decompression	Sahil Garg USA
08:33-08:38	Q & A		

FREE PAPER 8 Endoscopy | 18 July 2026 | 08:45–09:30 | Gardenia Room (mezzanine floor)

CHAIR Jiang Lei, Singapore

Moderators Guo Chang Ming, Singapore | Chaiyapron Siramanakul, Thailand

08:45–09:30	ID No.	Topic	Presenter
08:45-08:49	10	A Clinical Comparison Between MIS-TLIF with the Enhanced Recovery After Surgery (ERAS) Protocol and UBE-TLIF	Liang Yi-Hao Luis KOREA
08:49-08:53	242	Irrigation-Induced, Not Injury-Induced: Temporal MRI Evolution of Cervical Multifidus Following Unilateral Biportal Endoscopic Surgery – A Prospective Longitudinal Study	Prudvi Kumar Reddy Kamazala INDIA
08:53-08:57	109	Endoscopic Lumbar Medial Branch Rhizotomy Utilizing 3D Navigation for Failed Back Surgery Syndrome	Sheng Jia Huang TAIWAN
08:57-09:01	117	Efficacy of Intrathecal Morphine on Postoperative Analgesia and Early Ambulation in Endoscopic Lumbar Interbody Fusion: A Pilot Prospective Cohort Study	Jeremy Tan SINGAPORE
09:01-09:06	Q & A		
09:06-09:10	173	Far-Lateral Transforaminal Unilateral Biportal Endoscopic Lumbar Discectomy for Upper Lumbar Disc Herniations	Lee Sang Hyub KOREA
09:10-09:14	174	Percutaneous Endoscopic Decompression for Lumbar Radiculopathy with Radiographic Instability: A Non-Fusion Strategy Balancing Clinical Efficacy and Spinal Stability	He Jiahui CHINA
09:14-09:18	275	Clinical Outcomes of Interlaminar Full-endoscopic Versus Conventional Decompression for Lumbar Spinal Stenosis: Part 1 of the ENDO-F Randomized Controlled Trial	Junseok Bae, Korea
09:18-09:22	253	UBE-assisted Facet Decortication for Pseudarthrosis Following ALIF: Technical Note and Case Series of 6 Patients	Michael G. Kontakis SINGAPORE
09:22-09:27	Q & A		

FREE PAPER 9 MIS | 18 July 2026 | 10:30-11:15 | Gardenia Room (mezzanine floor)

CHAIR Roy Koh, Singapore

Moderators Gururaj Sangondimath, India | Low Shiong Wen, Singapore

10:30-11:15	ID No.	Topic	Presenter
10:30-10:34	212	Risk Factors of Cage Subsidence in OLIF51: Influence of Endplate Sclerosis and Cage Placement	Masayuki Ishihara JAPAN
10:34-10:38	18	Innovate & Elevate MIS: Single-position Prone Lateral Circumferential Fusion Eliminates Repositioning to Improve Efficiency and Resource Utilization	Chen Hao-wen Howard TAIWAN
10:38-10:42	124	Predictive Factors of MIS Decompression in Lumbar Spinal Stenosis with Degenerative Lumbar Scoliosis	Piya Chavalparit THAILAND
10:42-10:47	Q & A		
10:47-10:51	134	Perioperative Outcomes and Complication Profiles of Octogenarian Patients Undergoing Oblique Lumbar Interbody Fusion	Taekeun Ahn KOREA
10:51-10:55	165	Comparative Effects of Dual-position, Single-lateral, and Prone Techniques in Lumbar Interbody Fusion: A Systematic Review and Network Meta-analysis	Panapol Varakornpipat THAILAND
10:55-10:59	133	Preoperative Facet Arthropathy and Cage Subsidence After Oblique Lumbar Interbody Fusion	Taekeun Ahn KOREA
10:59-11:04	Q & A		

FREE PAPER 10 General Spine | 18 July 2026 | 11:15-12:00 | Gardenia Room (mezzanine floor)

CHAIR Lee Haw Chou, Singapore

Moderators Jitesh Manghwani, India | Chen Haobin, Singapore

11:15-12:00	ID No.	Topic	Presenter
11:15-11:19	40	A Comprehensive Protocol for Neural Safety in Severe Spinal Deformity Surgery	Yong Hai CHINA
11:19-11:23	232	Same-Root Tandem Stenosis: Impact of Inferior-level Foraminal Stenosis on Outcomes Following Lumbar Lateral Recess Decompression — A Propensity-matched Cohort Study	Jiang Lei SINGAPORE
11:23-11:27	219	Separation Surgery versus Gross Total Resection for Spinal Metastases: Perioperative Outcomes and Overall Survival in a Single Center Retrospective Cohort	Nazenin Durmus TURKEY
11:27-11:31	250	Root Anomaly Predictive Score (RAPS): A Prospective Validated Model for Preoperative Identification of Lumbosacral Nerve Root Anomalies	J Naresh-Babu INDIA
11:31-11:36	Q & A		
11:36-11:40	42	Innovation of Osteotomy Techniques for Severe Spinal Deformity	Yong Hai CHINA
11:40-11:44	221	Comparative Risk of Instrumentation Failure in Dynamic and Rigid Spinal Stabilization: A Propensity-Matched Cohort Study	Nazenin Durmus TURKEY
11:44-11:48	71	FUSE-6: A Novel Six-Unit Radiographic Scoring System for Reliable and Early Detection of Lumbar Interbody Fusion	Hui Si Jian SINGAPORE
11:48-11:52	93	Prioritisation for Lumbar Decompression by Patient Reported Outcome Measures	Ewan Yung SINGAPORE
11:52-11:57	Q & A		

FREE PAPER 11 Endoscopy | 18 July 2026 | 12:00–12:45 | Gardenia Room (mezzanine floor)

CHAIR Lester Lee, Singapore
 Moderators Prasanth Rao, Australia

12:00–12:45	ID No.	Topic	Presenter
12:00-12:04	238	Full Endoscopic Transforaminal Lumbar Interbody Fusion with Disc Preparation and Cage Insertion via an Accessory Portal: A Technical Note	Panyajarn Laohapornsvan THAILAND
12:04-12:08	185	Redefining the Management of Chronic Discogenic Low Back Pain: A Stepwise Algorithm Integrating Discography, Lateral Recess Block, and Transforaminal Endoscopic Interventions	Tanmay Avhad INDIA
12:08:12:12	76	Extraforaminal Lumbar Disc Herniation and Unilateral Biportal Endoscopy (UBE), a Aay to Treat It Safely	Michael G. Kontakis SINGAPORE
12:12-12:16	162	Learning Curve for Uniportal Endoscopic Transforaminal Lumbar Interbody Fusion in Experienced Endoscopic Surgeon	Pheeraphon Yiamphiphatthana THAILAND
12:16-12:21	Q & A		
12:21-12:25	184	Persistent Radiculopathy after Full Endoscopic Spine Surgery: Etiology, Risk Factors, and Preventive Strategies	Tanmay Avhad INDIA
12:25-12:29	190	Annular Repair in Endoscopic Lumbar Discectomy: A Narrative Review of Recurrence Prevention and Technical Demonstration Using Unilateral Biportal Endoscopy	Warayos Trathitephun THAILAND
12:29-12:33	205	The Role of Enhanced Recovery After Surgery (ERAS) Pathway in Lumbar Endoscopic Procedures: Predictors of Early Discharge	Ong Sing Li Samuel SINGAPORE
12:33-12:37	274	Evolution and Clinical Validation of a Novel Square Expandable Cannula for Uniportal Interlaminar Endoscopic Lumbar Interbody Fusion (Endo-ILIF)	Pornpavit Sriphirom THAILAND
12:37-12:42	Q & A		

FREE PAPER 12 General Spine | 18 July 2026 | 13:45-14:30 | Gardenia Room (mezzanine floor)

CHAIR Joelle Fong, Singapore
 Moderators Jomick Lumawig, Philippines | Robin Pillay, Singapore

13:45-14:30	ID No.	Topic	Presenter
13:45-13:49	66	Intramedullary Lesion Length is a Robust Imaging Biomarker in Predicting Presenting Motor and Functional Scores Amongst Acute Traumatic Central Cord Syndrome Patients	A Aravin Kumar SINGAPORE
13:49:13:53	135	From Thyroid to Spine, Mapping the Outcomes of Spinal Metastasis in Thyroid Cancer	Leow Zihui Gabriel SINGAPORE
13:53-13:57	169	Metastatic Breast and Prostate Cancer: Truly Good Candidates for Palliative Spine Surgery?	Christian Tan SINGAPORE
13:57-14:02	Q & A		
14:02-14:06	252	Knowledge, Attitude and Practices of Intra-operative Autologous Blood Cell Salvage in Tumour-related Spine Surgery: A Survey of Singapore Spine Society Members	Chua Hui Zhen Grace SINGAPORE
14:06-14:10	211	Who Stays and Who Goes? A Preoperative and Intraoperative Risk Stratification Model to Predict Admission After Lumbar Spinal Fusion	Eunice Wilianto SINGAPORE
14:10-14:14	235	Subcrestal Iliac Screws, a Novel Paradigm for Spinopelvic Fixation: A Single-center Retrospective Study of 100 Cases	Michael G. Kontakis SINGAPORE
14:14-14:19	Q & A		

FREE PAPER 13 General Spine | 18 July 2026 | 14:30-15:15 | Gardenia Room (mezzanine floor)

CHAIR Kelvin Lor, Singapore

Moderators Yudha Mathan Satki, Indonesia | Eugene Yang, Singapore

14:30-15:15	ID No.	Topic	Presenter
14:30-14:34	20	Risk Factors for Reoperation after Minimally Invasive Tubular Decompressions: A Cohort Study of 1233 Patients	Aaron Lerch AUSTRALIA
14:34-14:38	181	Novel Anatomic Cage Design Reduces Cage Subsidence in Oblique Lumbar Interbody Fusion (OLIF)	Santiago Vildoza AUSTRALIA
14:38-14:42	70	3D-printed Bioactive PEEK Composites for Next-Generation Spinal Implants: Balancing Mechanics, Biology, and Radiological Precision	Hui Si Jian SINGAPORE
14:42-14:46	186	Radiographic Artifacts in Additive Manufactured Titanium Rods	Kathir Ilakkiyan SINGAPORE
14:46-14:51	Q & A		
14:51-14:55	247	How Natural Standing Alters Lumbar Disc Microarchitecture & Solute Transport in Healthy, Hypermobile, and Immobile Segments - Insights from A Post-contrast Upright MRI Radiomics Study	J Naresh-Babu INDIA
14:55-14:59	68	Per-Level Analysis of Assisted Full-endoscopic Spine Surgery Versus Conventional Laminectomy: Unmasking Intrinsic Procedural Invasiveness	Miura Kazuma JAPAN
14:59-15:03	13	Remnant Pain, Readmission, Reoperation, Infection and Complication Rates Following Uniportal Endoscopic Lumbar Decompression in Claudication Neurologis in Severe Canal Stenosis from 200 Patients	Farid Yudoyono INDONESIA
15:03-15:07	269	Geographic Catchment of Patients Undergoing Tubular versus Endoscopic Single-level Lumbar Decompression: A Zip-code-based Analysis	Sahil Garg USA
15:07-15:12	Q & A		