

SMISS-SSS-MISST 2026
Rapid Presentation | Tanglin Ballroom (exhibition hall)

RAPID 1 Endoscopy | 17 July 2026 | 13:30-14:15

CHAIR Damian Lee, Singapore

Moderators Neo Ghim Hoe, Singapore | Siravich Suvithayasiri, Thailand

13:30-14:15	ID No.	Topic	Presenter
13:30-13:33	9	Endoscope-assisted Anterior Cervical Discectomy and Fusion (ACDF) Outperforms Microscope-assisted ACDF in Improving Postoperative Swallowing Function with the Use of Zero-P Cage	Liang Yi-Hao Luis KOREA
13:33-13:36	24	Can Fusion Be Avoided in Stable Grade I Degenerative Spondylolisthesis? Outcomes of Full Endoscopic Lumbar Decompression	Tanmay Avhad INDIA
13:36-13:39	46	Evaluation of the Safety and Efficacy of Modified Single-Portal Split Endoscopic Surgery in 154 Patients with Lumbar Degenerative Disc Disease	Xiao Kankan CHINA
13:39-13:42	81	Endoscopic-Assisted Lumbar Interbody Fusion for the Treatment of Isthmic Lumbar Spondylolisthesis: Clinical Outcomes and Technical Points	Tang Jin CHINA
13:42-13:47	Q & A		
13:47-13:50	101	Learning Curve of Arthroscopic-assisted Uni-portal Spinal Surgery (AUSS) for the Far-lateral Approach in the Treatment of Degenerative Lumbar Diseases	Yin Mengchen CHINA
13:50-13:53	123	Uniportal Full Endoscopic Decompression for Thoracic Meningioma and Primary Dural Repair	Ma Hyun-Jin KOREA
13:53-13:56	207	Stand-alone Transforaminal Endoscopic Lumbar Discectomy for Disc Herniation Coexisting with Spondylolysis: Clinical and Radiographic Outcomes over 5-year Follow-up	Maria Auron ISRAEL
13:56-13:59	47	UBE-eXTLIF with Endoscopic Unilateral Pedicle Screw Fixation for Lumbar Degenerative Diseases	Tian Dasheng CHINA
13:59-14:04	Q & A		

RAPID 2 Endoscopy | 17 July 2026 | 15:30-16:15

CHAIR Tamara Soh, Singapore

Moderators Dickson Chau, Singapore | Chen Seyi, Taiwan

15:30-16:15	ID No.	Topic	Presenter
15:30-15:33	78	The Utility of Real Time Monitoring During Navigated Endoscopic Lumbar Interbody Fusion : Comparison of Point and Brainlab Navigation System	Huang Yi Hung TAIWAN
15:33-15:36	105	PL-TOSP, the Novel Entry Point in Transforaminal Endoscopic Spine Surgery	Prasad Patgaonkar INDIA
15:36-15:39	127	Unilateral Biportal Endoscopic Versus Minimally Invasive TLIF: A Prospective Comparison of Perioperative and Functional Outcomes	Ajay R. Kothari INDIA
15:39-15:44	Q & A		
15:44-15:47	171	Full-endoscopic Lumbar Interbody Fusion: From a Strategic Technical Roadmap to Optimized Clinical Outcomes	Heo Yeon KOREA
15:47-15:50	231	Paraspinal Unilateral Biportal Endoscopic (Para-UBE) Technique for Lumbar Foraminal and Extraforaminal Compression: A Technical Note and Early Clinical Outcomes	Kandarpkumar Patel INDIA
15:50-15:53	43	A Single Portal Non-coaxial Endoscopic Technique (SP-NCET) for Treatment of L5 Double Crush Syndrome: A Novel Technique Note	He Guanping CHINA
15:53-15:58	Q & A		

RAPID 3 Cervical | 17 July 2026 | 16:15-17:00

CHAIR Alex Teo, Singapore

Moderators Farhaan Altaf, Australia | Michael Shen, Singapore

16:15-17:00	ID No.	Topic	Presenter
16:15-16:18	16	Navigation-guided Minimally Invasive Cervical Pedicle Screw Fixation Versus Convention Open Technique: A Comparative Analysis of Accuracy and Perioperative Outcomes	Masato Tanaka JAPAN
16:18-16:21	112	Robotic-Assisted Posterior Cervical Fusion in Primary and Revision Surgery: Technique with Outcomes after 50 Screws	Patrick Young USA
16:21-16:24	259	Surgical Outcomes of Cervical Posterior Fusion Using the MICEPS Technique with 3D-CT Navigation or Robot-assisted Navigation	Takahiro Tanaka JAPAN
16:24-16:27	31	Prospective Comparative Study to Assess the Clinico-radiological Adequacy of Cord Decompression After Navigated vs Non-navigated Laminectomy in Cervical Spondylotic Myelopathy	Shubham Kadam INDIA
16:27-16:30	67	Imaging Biomarkers and Early Surgery are Predictive of FIM Recovery but not Motor outcomes in Acute Traumatic Central Cord Syndrome Patients	A Aravin Kumar SINGAPORE
16:30-16:35	Q & A		
16:35-16:38	187	Effectiveness of Intrawound Vancomycin Powder in Preventing Postoperative Infection After Anterior Cervical Discectomy and Fusion: A Retrospective Cohort Study	Jutisin Lertboonyapan THAILAND
16:38-16:41	140	Utility of Intraoperative Neuromonitoring in Oblique Lumbar Interbody Fusion: A Retrospective Cohort Analysis	Nicholas Rachmadi SINGAPORE
16:41-16:44	261	MIS vs Open vs Hybrid approaches for Adult Spinal Deformity: Systematic Review and Meta-Analysis	Selvaraj Vijayaragavan SINGAPORE
16:44-16:47	14	Full Endoscopic Uniportal Foramen Magnum Decompression: Beyond Anatomical Limitation	Farid Yudoyono INDONESIA
16:47-16:52	Q & A		

RAPID 4 MIS | 18 July 2026 | 08:45-09:30

CHAIR Yeo Quan You, Singapore

Moderators Lim Yee Gen, Singapore | Howard Chen, Taiwan

08:45-09:30	ID No.	Topic	Presenter
08:45-08:48	188	Oblique Lumbar Interbody Fusion with Release of Anterior Longitudinal Ligament and Hyperlordotic Cages in Proximal Level Degeneration: 1-2 Year Clinical and Radiological Results	Robert Lee UK
08:48-08:51	202	Synergistic Correction with Combined MIS-Pedicle Subtraction Osteotomy and Anterior Column Realignment Enabling 40° Sagittal Realignment in Short Fusion: A Technical Case Report	Tomoyasu Hiromitsu JAPAN
08:51-08:54	267	Determinants of Intraoperative Radiation Dose During Single-level Tubular Lumbar Decompression	Patrick Young USA
08:54-08:57	220	A Tailored Approach to Midline Disc Herniation: Microdiscectomy and Dynamic Stabilization in Focus	Nazenin Durmus TURKEY
08:57-09:02	Q & A		
09:02-09:05	19	Risk Factors for Reoperation after Minimally Invasive Tubular Transforaminal Lumbar Interbody Fusion: A Cohort Study of 756 Patients	Aaron Lerch AUSTRALIA
09:05-09:08	244	Balancing Efficiency and Radiation Exposure in Percutaneous Trans-Kambin Lumbar Interbody Fusion: A Prospective Comparative Analysis of Single versus Dual C-Arm Fluoroscopy	Prudvi Kumar Reddy Kamazala INDIA
09:08-09:11	263	LLIF Sandwich Technique for Anterior Column Reconstruction: A Case Series of 8 Patients	Nobuaki Hattori JAPAN
09:11-09:14	271	Return to Play in Recreational Hockey Players After One-level Minimally Invasive Wiltse Transforaminal Lumbar Interbody Fusion — Minimum 5-year Follow-up	Patrick Young USA
09:14-09:19	Q & A		

RAPID 5 Endoscopy | 11:15–12:00

CHAIR Christian Heng, Singapore

Moderators Sharvin Sheth, India | David Mak, Singapore

11:15–12:00	ID No.	Topic	Presenter
11:15-11:18	52	Postoperative Seizure Following Unilateral Biportal Endoscopic Lumbar Decompression in a Patient with an Unrecognized Intracranial Lesion	Yusuke Oshita JAPAN
11:18-11:21	60	Comparison of Navigation-Assisted and C-Arm Fluoroscopy-Guided Unilateral Biportal Endoscopy versus Paravertebral Approach for Lumbar Foraminotomy and Discectomy	Yao Xingchen CHINA
11:21-11:24	132	Full-Endoscopic Trans-Kambin's Triangle Lumbar Interbody Fusion for Pyogenic Spondylodiscitis: A Case Series with Minimum 1-year Follow-up	Kazuya Kishima JAPAN
11:24-11:29	Q & A		
11:29-11:32	63	Impact of Type 2 Diabetes Mellitus on Outcomes Following Single-level Endoscopic Posterior Lumbar Interbody Fusion: A Global Propensity-matched Cohort Study	Phuoc Giau Dang VIETNAM
11:32-11:35	200	Single-incision Full Endoscopic Decompression for Two-level Lumbar Stenosis Achieves Similar Outcomes with Reduced Operative Time	Ngho Xian Jun SINGAPORE
11:35-11:38	191	Navigation-assisted Unilateral Biportal Endoscopic Decompression of Far-out Compression in Bertolotti's Syndrome: Technical Note	Warayos Trathitephun THAILAND
11:38-11:43	Q & A		

RAPID 6 General Spine | 12:00–12:45

CHAIR Tan Jun Hao, Singapore

Moderators Lim Han Sim, Malaysia | Wang Chongyan, Singapore

12:00-12:45	ID No.	Topic	Presenter
12:00-12:03	80	Does Pelvic Incidence Modify Outcomes After Lumbar Decompression With or Without Interlaminar Devices	Leow Zihui Gabriel SINGAPORE
12:03-12:06	150	Can Achieving the Proposed Ideal Alignment per "Roussouly Classification" Help Predict Mechanical Complications When Treating Adult Spinal Deformity with the "SIMPLER" CMIS Technique?	Neel Anand USA
12:06-12:09	130	Safety and Efficacy Evaluation of Injectable Bonegraft Made from HPMC/E-NHA (Hydroxypropylmethyl Cellulose/Eggshell Nanocrystalline Hydroxyapatite) Composite for Bone Defect Therapy; Animal Study	Yudha Mathan Sakti INDONESIA
12:09-12:14	Q & A		
12:14-12:17	258	Risk Factors and Nomogram for Postoperative Coronal Imbalance After Corrective Surgery in Adults With Severe Rigid Scoliosis	Zou Congying CHINA
12:17-12:20	4	The Utility of MRI for Spinal Clearance in Blunt Trauma: A Retrospective Cohort-Study of 539 Blunt Trauma Patients in a Level-one-trauma-center in Singapore	Adam Cheng SINGAPORE
12:20-12:23	5	What is the Incidence of Symptomatic Thromboembolism Post-surgical Treatment of Spinal Metastases in an Asian Cohort of Patients	Adam Cheng SINGAPORE
12:23-12:26	265	The OLIF Flip: Lessons from the F1 Pit Crew — A Quality Improvement Initiative to Optimise Turnover Time in Two-Position Oblique Lateral Interbody Fusion Surgery	Leeu Jun Jie SINGAPORE
12:26-12:31	Q & A		

RAPID 7 Technology | 13:45-14:30

CHAIR Dalun Leong, Singapore

Moderators Gururaj Sangondimath, India | David Mak, Singapore

13:45-14:30	ID No.	Topic	Presenter
13:45-13:48	15	Accuracy Assessment of Planned Versus Actual Trajectories in Robotic-Assisted Spine Surgery Utilizing Perioperative O-arm CT Scans	Saurabh Kulkarni INDIA
13:48-13:51	138	Robotic-Assisted Screw Placement for Early-onset Scoliosis: Accuracy and Efficiency	Zhang Yiqi CHINA
13:51-13:54	11	Optimizing Intraoperative Imaging Coverage for Navigated Pedicle Screw Placement in Lateral Position Spine Surgery	Louis Chang USA
13:54-13:57	111	Robotic Assisted Percutaneous Iliac Fixation – Outcomes, History, and Review	Patrick Young USA
13:57-14:02	Q & A		
14:02-14:05	6	Robotic-Assisted Versus Fluoroscopy-Guided Sacroiliac Screw Fixation: A Retrospective Comparative Study	Maria Auron ISRAEL
14:05-14:08	137	Utilising Multimodality Intraoperative Neuromonitoring When Performing Percutaneous Intra-discal Procedures Under General Anaesthesia	Lee Wen Hao MALAYSIA
14:08-14:11	143	Accelerating Implant Material Development With Particle-based Modelling	Maria Florencia Deslivia SINGAPORE
14:11-14:15	256	A Deep Learning System Using Preoperative Lumbar CT to Predict Adjacent Segment Disease After Posterior Lumbar Interbody Fusion: A Retrospective Multicenter Study	Zou Congying CHINA
14:15-14:18	272	Superb Microvascular Imaging Detects Exercise-induced Blood Flow Changes in the Lumbar Multifidus: Non-invasive Monitoring of Paraspinal Muscle Perfusion	Patrick Young USA
14:18-14:23	Q & A		