

Thursday 12-August. Room 1

08:00-08:15	Opening Remarks	Congress Chairman: Dr. Shing-Sheng Wu, <i>Taiwan</i>
08:15-09:05	WENMISS Session 1-New Surgical Tools: Navigation Meets Minimal Invasive Spine Surgery Room1	Moderator: Dr. Arvind Jayaswal, <i>India</i> Dr. Jae Yoon Chung, <i>Korea</i>
08:15-08:30	Role of Computer Aided Navigation in Spine Surgery	Anand Agarwal, <i>UK</i>
08:30-08:45	Navigation in Sacral Tumour	Robert Pflugmacher, <i>Germany</i>
08:45-08:58	Computer Assisted Navigation for Microendoscopic Foraminotomy in Case of Cervical Radiculopathy	Masahiko Kioka, <i>Japan</i>
08:58-09:05	Discussion	
09:05-10:00	WENMISS Session 2-Biomaterials and Tissue Engineering in Minimal Invasive Spine Surgery Room1	
09:05-09:20	Tissue Engineering Strategies for Biological Disc Replacement	Sureshan Sivananthan, <i>UK</i>
09:20-09:35	Role of Biomaterials in Spine Surgery-Rationale in Degenerative and Deformity Spine Surgery	Munish Gupta , <i>USA</i>
09:35-09:50	Surgeons Perspective-Biomaterials in Spinal Arthroplasty	Anand Agarwal, <i>UK</i>
09:50-10:00	Discussion	
10:00-10:30	Coffee Break	
10:30-12:00	WENMISS Session 3: Minimal Invasive Spine Surgery for Vertebral Trauma	Moderator: Dr. Munish Gupta, <i>USA</i> Dr. Jae Sung Ahn , <i>Korea</i>
10:30-10:45	Vertebral Trauma in Aging Spine-Critical Overview and Treatment Options	Dr. B N Upendra, <i>India</i>
10:45-11:00	Mangement of Vertebral Compression Fracture with Radio frequency StabiliT™ Vertebral Augmentation Kyphoplasty	Dr. Robert Pflugmacher, <i>Germany</i>
11:00-11:10	Long Term Outcome of Ballroom Kyphoplasty	Dr. Rahel Burnemann, <i>Germany</i>
11:10-11:25	Clinical Evaluation and Experience Using IVAP Technique for Vertebral Compression Fracture	Dr. Shing-Sheng Wu, <i>Taiwan</i>
11:25-11:40	Surgical Treatment of Kummell's Disease	Dr. Jae Sung Ahn, <i>Korea</i>
11:40-11:55	Future of Aging Spine-New Perspective in Mangement of VCF	Dr. Anand Agarwal, <i>UK</i>
11:55-12:00	Discussion	
12:00-13:30	Lunch Symposium	Moderator: Dr. Lih Huei Chen, <i>Taiwan</i>
	Percutaneous Pedicle Screw Solutions Workshop	Dr. Ben Tow, <i>Singapore</i>
13:30-14:30	PASMISS Room1-Symposium(1) Cervical MISS	Moderator: Dr. Munehito Yoshida, <i>Japan</i> Dr. Chul Hyung Kang, <i>Korea</i>
13:30-13:42	Clinical Outcomes of Microendoscopic Spinal Surgery for Elderly Patients with Cervical Spondylotic Myelopathy	Akihito Minamide, Munehito Yoshida, Hiroshi Yamada, Hiroshi Hashizume, Yukihiro Nakagawa, Masaki Kawai, Hiroshi Iwasaki, Shunji Tsutsui, Motohiro Okada, Masahiko Kioda, Keiji Nagaa, Yuyu Ishimoto, Noboru Takiguchi, <i>Japan</i>
13:42-13:54	Comparative Study of Clinical Outcomes of ACDF Using Autobone Graft or Cage with Bone Substitute	Jae Sung Ahn, June Kyu Lee, Joung Hun Kim, <i>Korea</i>
13:54-14:06	Percutaneous Microendoscopic Anterior Release, Fixation and Fusion for Irreducible Atlantoaxial Dislocation	Yong Long Chi, Hua Zi Xu, Qing Shan Huang, Yan Lin, Fang Min Mao, Xiang Yang Wang, Wen Fei Ni, Sheng Wang, Hui Xu, Peng Luo, <i>China</i>
14:06-14:18	MAST Surgery in Upper Cervical Spinal Surgery	Seok Woo Kim, <i>Korea</i>
14:18-14:30	Discussion	

14:30-15:30	PASMISS Room1-Symposium (2) Failed Back Surgery	Moderator: Dr. Toru Hasegawa, <i>Japan</i> Dr. Heui-Jeon Park, <i>Korea</i>
14:30-14:42	Invasive Treatment Modalities in Failed Spine	Hiroshi Yamada, Munehito Yoshida, Hiroshi Hashizume, Akihito Minamide, Yukihiko Nakagawa, Masaki Kawai, Hiroshi Iwasaki, Shunji Tsutsui, Motohiro Okada, Masahiko Kioka, Yuyu Ishimoto, Keiji Nagata, Noboru Takiguchi, <i>Japan</i>
14:42-14:54	Challenge and Issues of Minimally Invasive TLIF	Jae Chul Lee, <i>Korea</i>
14:54-15:06	Improvement Through Analysis of Failed Endoscopy Cases	Fuji Ito, <i>Japan</i>
15:06-15:18	Minimally Invasive Transforaminal Lumbar Interbody Fusion as Revision Surgery for Patients Previously Treated by Open Discectomy and Decompression of the Lumbar Spine	Jian Wang, Yue Zhou, Zheng Feng Zhang, Chang Qing Li, Wen Jie Zheng, Jie Liu, <i>China</i>
15:18-15:30	Discussion	
15:30-16:00	Coffee Break	
16:00-17:00	PASMISS Room1-Symposium (3)-LDH	Moderator: Dr. Rey-Mo Lin, <i>Taiwan</i> Dr. Bambang Darwono, <i>Indonesia</i>
16:00-16:12	Full-Endoscopic Transforaminal Lumbar Discectomy Versus Posterior Microendoscopic Technique (MED): A Prospective Study	Yue Zhou, Chang Qing Li, Jian Wang, <i>China</i>
16:12-16:24	Is Percutaneous Endoscopic lumbar Discectomy(PELD) Showing Less Invasive Procedure Than Open Discectomy(OD)?	Shao Keh Hsu, <i>Taiwan</i>
16:24-16:36	Endoscopic Scoliosis Surgery Using Anterior Navigation	Sohei Ebara, <i>Japan</i>
16:36-16:48	PELD (Inter laminar approach) Surgical Tips, Indication and Results	Eung Hwa Kim, <i>Korea</i>
16:48-17:00	Discussion	
17:00-17:50	PASMISS Room 1 Session 1-1-1	Moderator: Dr. Hulin Yang, <i>China</i> Dr. Shao-Keh Hsu, <i>Taiwan</i>
17:00-17:10	Minimally Invasive Strategies and Options for Far-Lateral Lumbar Disc Herniation	Yue Zhou, Jian Wang, Tong-Wei Chu, Chang Qing Li, <i>China</i>
17:10-17:20	Outcome Study of Intra-Operative Myelography Assisted Microendoscopic Decompressive Laminotomy (MEDL) for Lumbar Spinal Stenosis	Jwo Luen Pao, Po Quang Chen, Chung Ting Wu, Jaw Lin Wang, <i>Taiwan</i>
17:20-17:30	Efficacy of the Microendoscopic Surgery for the Tandem Spinal Stenosis	Hiroshi Hashizume, Munehito Yoshida, Hiroshi Yamada, Akihito Minamide, Yukihiko Nakagawa, Masaki Kawai, Hiroshi Iwasaki, Shunji Tsutsui, Motohiro Okada, Masahiko Kioka, Yuyu Ishimoto, Keiji Nagata, Noboru Takiguchi, <i>Japan</i>
17:30-17:40	The Clinical Evaluations of the Percutaneous Transforaminal Endoscopic Discectomy in the Treatment of Far-Lateral Lumbar Disc Herniations	Yue Zhou, Chang Qing Li, Jian Wang, <i>China</i>
17:40-17:50	Discussion	
18:00-19:00	Board Members Meeting of PASMISS	
19:00	Welcome Party of Combined Meeting	

13:30-14:30	PASMISS Room 2 Session 1-2-1	Moderator: Dr. Zhou Yue, <i>China</i> Dr. Eung-Hwa Kim, <i>Korea</i>
13:30-13:38	Clinical Outcome and Related Factors of the Epidural Steroid Injection for the Cervical Radiculopathy; A Prospective Study with Follow Up More Than 2 Years	Sang Hun Lee, Yoon Ho Kwack, Eun Seok Son, Dong Hwan Kim, Bong Jae Lee, Ki-Tack Kim, <i>Korea</i>
13:38-13:46	Posterior Percutaneous Full Endoscopic Cervical Disc Surgery (PPECD): Preliminary Report	Kyung Hyun Shin, Nam Kyou Rhee, Khwan Sue Lim, Young Hyuk Choi, <i>Korea</i>
13:46-14:54	Percutaneous Pedicle Lag Screws for the Treatment of Hangman's Fracture	Chi Yong-long, Xu Hua-zi, Huang Qing-shan, Lin Yan, Mao Fang-min, Wang Xiang-yang, Ni Wen-fei, Wang Sheng, Xu Hui, Tu Yuan-qing, <i>China</i>
13:54-14:02	Short-Term Outcomes of Thoracic Microendoscopic Laminectomy for the Ossification of Ligamentum Flavum	Masaki Kawai, Munehito Yoshida, Hiroshi Yamada, Hiroshi Hashizume, Yukihiro Nakagawa, Akihito Minamide, Kazunori Nomura, Shinichi Nakao, Masahiko Kioka, <i>Japan</i>
14:02-14:10	Percutaneous Direct Pedicle Screw Fixation of Type II Hangman's Fracture Under Iso-C Fluoroscopic Guidance Technical Case Report	Jian Wang, Yue Zhou, Zheng Feng Zhang, Chang Qing Li, Wenjie Zheng, Yuan Zhang, <i>China</i>
14:10-14:18	Comparison of Percutaneous and Open Anterior Screw Fixation in the Treatment of Type II and Rostral Type III Odontoid Fractures	Jian Wang, Yue Zhou, Zheng Feng Zhang, Chang Qing Li, Wenjie Zheng, Jie Liu, <i>China</i>
14:18-14:30	Discussion	
14:30-15:30	PASMISS Room 2 Session 1-2-2	Moderator: Dr. Seok-Woo Kim, <i>Korea</i> Dr. Motonobu Natsuyama, <i>Japan</i>
14:30-14:38	C1 Lateral Mass Screw-Technical Note	Seok Woo Kim, Krishna Prabhu, Sang Hoon Park, <i>Korea</i>
14:38-14:46	Microendoscopic Laminotomy for Cervical Disc Herniation with Cervical Myelopathy- Reports of Two Cases	Mayumi Sonekatsu, Yukihiro Nakagawa, Munehito Yoshida, Hiroshi Yamada, Hiroshi Hashizume, Akihito Minamide, Masahiko Kioda, <i>Japan</i>
14:46-14:54	Does Pre Operative Cervical Spine Kyphosis Affect Outcome in Cervical Laminoplasty?	Seok Woo Kim, Krishna Prabhu, Sang-Hoon Paik, Hwan-Jeong Kim, <i>Korea</i>
14:54-15:02	A Surgery Strategy for Lumbar Radiculopathy Due to Foraminal Stenosis Secondary to Osteoporotic Spinal Fracture-Pin-Point Via Spinal Endoscope	Yuyu Ishimoto, Hiroshi Yamada, Munehito Yoshida, Hiroshi Hashizume, Akihito Minamide, Yukihiro Nakagawa, Masaki Kawai, Hiroshi Iwasaki, Shunji Tsutsui, Motohiro Okada, Masahiko Kioka, Keiji Nagata, Noboru Takiguchi, <i>Japan</i>
15:02-15:10	Minimal Access Spine Surgery	Chang Bum Lee, Jeong Han Ha, Hyung Taek Park, Sun Jin Choi, Myoung Soo Kim, Jung Min Ha, <i>Korea</i>
15:10-15:18	A Study of Multilevel Endoscopic Decompression for Extensive Lumbar Spinal Canal Stenosis	Yosuke Konno, Toru Hasegawa, Iba Hideaki, Hiroshi Hagiwara, Kenji Kanou, Kazuhiro Ohnaru, <i>Japan</i>
15:18-15:30	Discussion	
15:30-16:00	Coffee Break	

16:00-17:00	PASMISS Room 2 Session 1-2-3	Moderator: Dr. Fuji Ito, <i>Japan</i> Dr. Yen Mou Lu, <i>Taiwan</i>
16:00-16:08	Percutaneous Pedicle Screw Fixation in Thoracolumbar Fracture Using Multi-Level Sextant System	Chang Qing Li, Gang Luo, Yue Zhou, Jian Wang, Tong Wei Chu, Zheng Feng Zhang, <i>China</i>
16:08-16:16	Minimally Invasive Excision of Huge Central Type Lumbar Posterior Endplate Lesion Using a Spinal Endoscope	Yukihiro Nakagawa, Munechito Yoshida, Hiroshi Yamada, Hiroshi Hasizume, Akihito Minamide, Hideto Nishi, Masaki Kawai, Hiroshi Iwasaki, Shunji Tsutsui, Motohiro Okada, Masahiko Kioda, <i>Japan</i>
16:16-16:24	MED as Treatment for Lumbar Disc Hernia Accompanied by Nerve Root Anomaly	Hiroshi Hagiwara, Toru Hasegawa, Kenji Kanou, Yosuke Konno, Kazuhiro Ohnaru, <i>Japan</i>
16:24-16:32	Endoscopic Spine Surgery	Yoichiro Yakata, <i>Japan</i>
16:32-16:40	Nonepileptic Seizure after Percutaneous Endoscopic Lumbar Discectomy under General Anesthesia.	Kyung Do Kang, Jae Yoon Chung, Hyong Yeon Seo, Gi Heon Park, <i>Korea</i>
16:40-16:48	Preliminary Report in the Full-Endoscopic Interlaminar Technique for Lumbar Disc Herniations	Lin Xie, Gengqi Wang, Zhipeng Xi, <i>China</i>
16:48-17:00	Discussion	
17:00-17:50	Room 2 Session 1-2-4	Moderator: Dr. Chong Shu Lee, <i>Korea</i> Dr. Yen-Yao Li, <i>Taiwan</i>
17:00-17:10	Preservation of Ligamentum Flavum in Microendoscopic Lumbar Discectomy	Shuwen Li, Heping Yin, Yimin Wu, <i>China</i>
17:10-17:20	Comparative Study of Two Approaches of Interbody Fusion by Microendoscopic for Degenerative Lumbar Instability Syndrome	Shuwen Li, Heping Yin, Min Bai, <i>China</i>
17:20-17:30	Microendoscopic Discectomy for Lumbar Disc Herniation with Bony Ridge Involvement	Kazuhiro Ohnaru, Toru Hasegawa, Kenji Kanou, Hiroshi Hagiwara, Yosuke Konno, <i>Japan</i>
17:30-17:40	PI3 K/ AKT Regulates Aggrecan Gene Expression Through Sox9 in Nucleus Pulposus Cells	Chin Chang Cheng, Yen Yao Li, Tsung Jen Huang, Makarand V. Risbud, <i>Taiwan</i>
17:40-17:50	Discussion	
18:00-19:00	Board Members Meeting of PASMISS	
19:00	Welcome Party of Combined Meeting	

Friday 13-August. Symposium

08:00-09:00	PASMISS Plenary Session 1	Moderator: Dr. Shu-Xun Hou, <i>China</i> Dr. Ing-Ho Chen, <i>Taiwan</i>
08:00-08:12	Epiduroscopic Laser Neural Decompression	Jae Do Kim, Jae Ho Jang, Ji Yeon Kim, Su Jin Jang, <i>Korea</i>
08:12-08:24	Minimally Invasive Endoscopic Spinal Surgery in the Management of Pyogenic Spinal Infection	Akira Dezawa, Kouichi Sairyo, Tamio Kon, <i>Japan</i>
08:24-08:36	Lumbar Foraminal Stenosis and Microendoscopic Minimally Invasive Approach	Toru Hasegawa, <i>Japan</i>
08:36-08:48	Mini-Open Lateral Approach for Lumbar Fusion	Chong Shu Lee, <i>Korea</i>
08:48-09:00	Current Status of Minimally Invasive Spine Surgery in Taiwan	Tsung-Jen Huang, <i>Taiwan</i>
09:00-09:10	Discussion	
09:10-10:10	PASMISS Plenary Session 2	Moderator: Dr. PQ Chen, <i>Taiwan</i> Dr. Ki-Tack Kim, <i>Korea</i>
09:10-09:22	The New Technique for the Treatment of Osteoporotic Vertebral Fractures and Experience of Axialif in Indonesia	Bambang Darwono, <i>Indonesia</i>
09:22-09:34	Minimally Invasive Spine Surgery in China	Yue Zhou, <i>China</i>
09:34-09:46	Indications and Clinical Outcomes of Microendoscopic Spinal Surgery in the Elderly	Munehito Yoshida, <i>Japan</i>
09:46-09:58	Lumbar Adjacent Segment Disease Treated Using A Minimal Fixation Device: Lateral Cage and Intravertebral Plate Device	Jin Fu Lin, <i>Taiwan</i>
09:58-10:10	Discussion	
10:10-10:30	Coffee Break	
10:30-13:00	WENMISS Plenary Session	Moderator: Dr. Anand Agarwal, <i>UK</i> Dr. Alexander Vaccaro, <i>USA</i>
10:30-10:45	Infantile and Juvenile Spinal Deformities-Do the Least	Arvind Jayaswal, <i>India</i>
10:45-11:00	Sagittal Balance in Spine Surgery	Munish Gupta, <i>USA</i>
11:00-11:15	Minimal Invasive Spine Surgery In Treatment of Spinal Deformity	Alexander Vaccaro, <i>USA</i>
11:15-11:30	Minimal Access Posterior Thracolumbar Correction-Early Results	Arvind Jayaswal, <i>India</i>
11:30-11:45	Changes in the Microhemodynamics of Nerve Roots Retraction in Patients with Lumbar Canal Stenosis in Minimally Invasive surgery	Akira Dezawa, Koichi Sairyo, <i>Japan</i>
11:45-12:00	Contralateral PELD	Jae-Yoon Chung, <i>Korea</i>
12:00-12:15	Limiflex-A New Dynamic Device	Robert Pflugmacher, <i>Germany</i>
12:25-12:30	Complications of Minimal Invasive Spine Surgery	Alexander Vaccaro, <i>USA</i>
12:30-12:45	Does the Outcome of Surgery Change if Fusion is Topped by a Dynamic Device – Interspinous Device	Anand Agarwal, <i>UK</i>
12:45-13:00	Discussion	

13:00-14:00	Lunch Symposium	Moderator: Dr.Shing-Sheng Wu, <i>Taiwan</i>
	Kyphon Balloon Kyphoplasty for VCF Workshop	Dr. Rafael Bundoc, <i>Philippines</i>
14:00-17:30	City Tour of Combined Meeting	
18:30	Gala Dinner of Combined Meeting	

Saturday 14-August. Room 1

08:00-09:00	PASMISS Room 1-Symposium(4) Osteoporosis	Moderator: Dr. ZhaoMing Zheng, <i>China</i> Dr. Shang-Won Yu, <i>Taiwan</i>
08:00-08:12	Kyphoplasty for the Treatment of Kummell's Disease	Huilin Yang, Minfeng Gan, Jun Zou, Xin Mei, Genlin Wang, <i>China</i>
08:12-08:24	Percutaneous Kyphoplasty: Sun Tay-Sen University Experience in Guangzhou, China	Zhaomin Zheng, LiuHui, <i>China</i>
08:24-08:36	Clinical Evaluation of Vertebroplasty for Multiple-level Osteoporotic Spinal Compression Fracture in the Elderly	Shang Won Yu, Shih Chieh Yang, Yu Hsien Kao, Yuan Kun Tu, <i>Taiwan</i>
08:36-09:48	Risk Factors of the New Compression Fractures in Adjacent Vertebrae after Percutaneous Vertebroplasty	Myung Ho Kim, Sang Hyuk Min, Sung Hyun Yoon, June Kyu Lee, <i>Korea</i>
08:48-09:00	Discussion	
09:00-10:00	PASMISS Room1-Session 3-1-1	Moderator: Dr. June-Kyu Lee, <i>Korea</i> Dr. Tsung-Jen Huang, <i>Taiwan</i>
09:00-09:08	The Influence of Intravertebral Cleft on Supine Lateral Radiographs in Vertebroplasty	Meng Huang Wu, Tsung Jen Huang, Chin Chang Cheng, Yen Yao Li, Robert Wen Wei Hsu, <i>Taiwan</i>
09:08-09:16	Lordoplasty for Osteoporotic Vertebral Compression Fracture: A Report of Early Results	June Kyu Lee, Jun Young Yang, Sang Bum Kim (corresponding author), Taek Soo Jeon, Byung Hak Oh (presenting author), <i>Korea</i>
09:16-09:24	Balloon Kyphoplasty for Osteoporotic Vertebral Compression Fracture	Shih Chieh Yang, Yu Hsien Kao, Shang-Won Yu, Yuan Kun Tu, <i>Taiwan</i>
09:24-09:32	MI-TLIF with One Cage and Pedicle Screw System for the Treatment of Lumbar Spondylolisthesis	Han Wu, Rui Jiang, Yang Wang, Wengxuan Li, <i>China</i>
09:32-09:40	The Treatment of Degenerative Lumbar Instability Syndrome with Microendoscopic Discectomy	Heping Yin, Yimin Wu, Shuwen Li, <i>China</i>
09:40-09:48	Minimally Invasive Surgical Management and Strategies for the Adult Isthmic Spondylolisthesis	Yue Zhou, Jian Wang, Chang Qing Li, <i>China</i>
09:48-10:00	Discussion	
10:00-10:30	Coffee Break	

10:30-12:00	WENMISS SESSION 4: Minimal Access Surgery in Degenerative Spine-Fusion Technology	Moderator Dr. Akira Dezawa, <i>Japan</i> Dr. Robert Pflugmacher, <i>Germany</i>
10:30-10:45	Minimally Invasive Surgery for Thoracic and Lumbar Tuberculous Spondylitis	B N Uendra, <i>India</i>
10:45-11:00	Clinical results and EMB for lateral disc herniation with MIS procedure	Akira Dezawa Koichi Sairyo, <i>Japan</i>
11:00-11:15	Risk factors of non union demanding surgical treatment after Lumbar posteriolateral fusion	Jin Hun Kang, Kyu Yeol Lee, <i>Korea</i>
11:15-11:30	Indication and Clinical results of microendoscopic laminoplasty for cervical myelopathy	Munehito Yoshida, <i>Japan</i>
11:30-11:45	Which is better -ACDF or Cervical Arthroplasty?	Alexander Vaccaro, <i>USA</i>
11:45-12:00	Discussion	
12:00-13:30	Lunch	
13:30-14:30	PASMISS Room 1 Session 3-1-2	Moderator: Dr. Shih-Hao Chen, <i>Taiwan</i> Dr. Jae-do Kim, <i>Korea</i>
13:30-13:38	Biomechanical Comparison of Three Stand-Alone Anterior Lumbar Interbody Fusion Cages with Established Fixation Techniques—A Three-Dimensional Finite Element Analysis.	Shih Hao Chen, Ming Chieh Chiang, Jin Fu Lin, Chinghua Hung, <i>Taiwan</i>
13:38-13:46	Risk Factors of Subsequent Vertebral Fractures in Patients with Compression Fractures and Intravertebral Vacuum Cleft Treated by Vertebroplasty	Kwan Ho Park, Tae Wan Kim, Jae O Kim, Moon Pyo Chi, Young Song, <i>Korea</i>
13:46-13:54	Expression of IL-19, IL-20, and Their Receptors in Degenerative Lumbar Spondylolisthesis	KuoYuan Huang, Ruey Mo Lin, Hui Ling Tsai, Jing Jou Yan, Yungling Leo Lee, Ming Shi Chang, <i>Taiwan</i>
13:54-13:02	Management of Giant Pseudomeningoceles after Spinal Surgery	Yi Jan Weng, Chin Chang Cheng, Yen Yao Li, Tsung Jen Huang, Robert Wen Wei Hsu, <i>Taiwan</i>
13:02-13:10	The clinical features and microendoscopic (METRx) decompression for extraforaminal entrapment of the L-5 spinal nerve	Yue Zhou, Jian Wang, Tong Wei Chu, Chang Qing Li, Zheng Feng Zhang, <i>China</i>
13:10-13:18	Interspinous Device: A Report of 4 Cases.	Thavat Prasarithra, <i>Thailand</i>
13:18-13:30	Discussion	
13:30-14:30	PASMISS Room 1 session 3-1-3	Moderator: Dr. Sohei Ebara, <i>Japan</i> Dr. Kuo-Hua Chao, <i>Taiwan</i>
13:30-13:38	Comparison of the Interlaminar Implant Coflex and Traditional Interlaminar Fixation System Following Posterior Lumbar Decompression in Treatment of Degenerative Lumbar Spine Stenosis	Zhe Wang, Zhuojing Luo, Xiaodong Yu, Huimin Hu, <i>China</i>
13:38-13:46	K Point Block Effectiveness for Non-Specific Neck and Referred Arm Pain	Gi-Heon Park, Jae-Yoon Chung, Kyung-Do Kang, Hyong-Yeon Seo, <i>Korea</i>
13:46-13:54	Clinical Outcome of Anterior Corrective Surgery for Thoracolumbar Scoliosis: Mini-open Approach without Diaphragm Dissection Versus Open Approach	Yang Yu, Jian Jiang, Bin Wang, Ze Zhang Zhu, Feng Zhu, Yong Qiu, <i>China</i>
13:54-14:02	The Spatial Change of the Relationship Between the Vertebral Body and the Thoracic Aorta in Idiopathic Thoracic Scoliosis Following Anterior and Posterior Instrumentation and Fusion	Yu Yang, Jiang Jian, Wang Bin, Zhu Ze-zhang, Zhu Feng, Qian Bang ping, Ma Wei-wei, Qiu Yong, <i>China</i>
14:02-14:10	Organized Hematoma in the Ligamentum Flavum. A case report.	Yuki Kuboi, Yukihiko Nakagawa, Shinji Minami, Hiroshi Yamada, Seigou Kitaura, Munehito Yoshida, <i>Japan</i>
14:10-14:18	The techniques skill and clinical choices of the YESS and TESSYS in percutaneous transforaminal endoscopic discectomy for lumbar disc herniations	Yue Zhou, Chang Qing Li, Jian Wang, <i>China</i>
14:18-14:30	Discussion	

08:00-09:00	PASMISS Room 2-Session 3-2-1	Moderator: Dr. Kwai-Yau Fung, <i>Hong Kong</i> Dr. Jae-Chul Lee, <i>Korea</i>
08:00-08:08	Accuracy of Percutaneous Pedicle Screw Placement in Lumbar Spine During Minimally Invasive Transforaminal Lumbar Interbody Fusion	Jae Chul Lee, Hyung Mo Koo, Ho Hyung Lee, Byung Joon Shin, <i>Korea</i>
08:08-08:16	Navigation-Assisted Spine Dynamic Stabilization	Yen Mou Lu, Yi Jing Lue, Chin Yi Chou, Jian Chih Chen, Sen Yuen Lin, <i>Taiwan</i>
08:16-08:24	Mini-Open Transforaminal Lumbar Interbody Fusion Without Using Percutaneous Pedicle Screw System	Jwo Luen Pao, Po Quang Chen, Chung Ting Wu, Jaw Lin Wang, <i>Taiwan</i>
08:24-08:32	Percutaneous Pedicle Screw Fixation in Thoracolumbar Fracture Using Sextant-R System	Chang Qing Li, Gang Luo, Yue Zhou, Jian Wang, Tong Wei Chu, Zheng Feng Zhang, <i>China</i>
08:32-08:40	Microendoscopic Strategies and Options for Recurrent Lumbar Disc Herniation	Yue Zhou, Jian Wang, Tong Wei Chu, Chang Qing Li, Zheng Feng Zhang, <i>China</i>
08:40-08:48	Comparison of One-Level Minimally Invasive and Open Transforaminal Lumbar Interbody Fusion in Degenerative and Isthmic Spondylolisthesis Grades 1 and 2	Jian Wang, Yue Zhou, Zheng Feng Zhang, Chang Qing Li, Wen Jie Zhang, Jie Liu, <i>China</i>
08:48-09:00	Discussion	
09:00-10:00	PASMISS Room 2-Session 3-2-2	Moderator: Dr. Ming-Chau Chan, <i>Taiwan</i> Dr. Jwo Luen Pao, <i>Taiwan</i>
09:00-09:08	Post-kypoplasty Burst Fracture Treated with Single-Stage Posterior Vertebral Column Resection with Circumferential Reconstruction and Stabilization	Jaeyeong Jo, Myungsoo Youn, Jakyung Gu, Weonwook Park, <i>Korea</i>
09:08-09:16	Radiation Dose During Vertebroplasty: Prospective Comparison of the Use of Two-Fluoroscopic Technique Versus One-Fluoroscopic	Yen Yao Li, Chin Chang Cheng, Tsung Jen Huang, <i>Taiwan</i>
09:16-09:24	Recompression of Vertebral Body after Balloon Kyphoplasty for Osteoporotic Vertebral Compression Fracture	Young Yul Kim, Kee Won Rhyu, <i>Korea</i>
09:24-09:32	Vertebroplasty	Seok Woo Kim, Krishna Prabhu, Sang-HoonPark, Hwan Jeong Kim, <i>Korea</i>
09:32-09:40	Application of Expandable Spinal Spacer in Lumbar Degenerative Disc Disease	Wen Jun Wang, Nv Zhao Yao, Lu Shan Wang, <i>China</i>
09:40-09:48	Long Term Follow up Result of Percutaneous Vertebroplasty in the Treatment of the Osteoporotic Compression Fracture- More Than 5 Years	Jin Hwan Kim, Si Hoon Yoo, Jung Hoon Kim, Jae-Sung Ahn, <i>Korea</i>
09:48-10:00	Discussion	
10:00-10:30	Coffee Break	
10:30-11:45		
13:30-18:00	Cross-Strait MISS Combined Meeting	

	Cross-Strait MISS Combined Meeting	Speaker	Moderator
13:30-13:40	Opening Remark		劉建麟教授、吳興盛理事長
13:40-14:00	中國微創外科技術發展	侯樹勛	陳博光/張辰光
14:00-14:20	微創脊柱外科技術的發展與展望	周躍	陳文哲/陳松雄
14:20-14:40	堅定不移地發展骨科微創技術	劉尚禮	高義然/牛自健
14:40-15:00	台灣脊椎微創之發展史	黃聰仁	陳力輝/王世典
15:00-15:20	Cemented Pedical Screw	張明超	謝博欽/王子康
15:20-15:40	TLIF對脊椎微創手術的經驗	沈焜祺	陳子勇/簡瑞騰
15:40-16:00	Coffee Break		
16:00-16:20	胸腰椎前路內鏡手術的發展及抉擇	呂國華	于載九/李晏瑤
16:20-16:40	頸椎微創外科技術的臨床應用	池永龍	蔣永孝/盧康
16:40-17:00	Taiwan experience about C-spine artifical disc	高振興	楊大羽/陳賢德
17:00-17:20	Edoscope 脊椎微創手術的經驗	徐少克	王超然/賴伯亮
17:20-17:40	錐體后凸成形術治療骨質疏鬆性椎體壓縮骨折的相關問題及對策	楊惠林	張明超/李旭東
17:40-18:00	椎管狹窄椎板切除是必需的減壓術式嗎?	田德威	鄭宏志/王世典
18:00	Closing Remarks		于尚文理事長

Poster Presentation

1	Comparison of Treatment for Lumbar Disc Herniation Combined with Degenerative Instability to Posterior Lumbar Interbody Fusion Using Single and Double B-Twin Expandable Spinal Spacer with MED	Yang Qun, <i>China</i>
2	Biomechanical Analysis of a Novel Perfusion Pedicle Screw Augmentation with Bone Cement in Osteoporotic Vertebra	Yang Huilin, Wang Zhirong, Wang Genlin, Zhu Ruofu, <i>China</i>
3	The Primary Clinical Application of the Catheter Fabric Kyphoplasty	Yang Huilin, Wang Genlin, Meixin, <i>China</i>
4	Osteoporotic Vertebral Compression Fractures with An Intravertebral Cleft Treated by Balloon Kyphoplasty	Wang Genlin, Yang Huilin, Meng Bin, Tiansi Tang, <i>China</i>
5	The Influence of Cage Subsidence & Migration in Degenerative Lumbar Disease Treated With Transforaminal Lumbar Interbody Fusion	Moon-Chan Kim, Hung-Tae Chung, Dong-Jun Kim, Sang-Hyuk Kim, Sang-Ho Chun, <i>Korea</i>
6	Treatment of Degenerative Lumbar Spine Stenosis by Microendoscopic Unilateral Approach and Bilateral Decompression	Liu Gen Zhe, Munehito Yoshida, Xu Lin, <i>China</i>
7	The Observation of Bioactive Bone Cement for Vertebroplasty and Kyphoplasty in Vivo	Xuesong Zhu, Xiaoqing Chen, Chunmao Chen, Genlin Wang, Yong Gu, Dechun Geng, Zhiming Zhang, Huilin Yang, <i>China</i>
8	Prophylactic Vertebroplasty versus Kyphoplasty of the Osteoporotic Vertebral Compression Fractures: A Comparative Study	June-Kyu Lee, Jae-Sung Ahn, Whoan-Jeang Kim, Sang-Bum Kim, Taek-Soo Jeon, Byung-Hak Oh (presenting author), Kun-Young Park, <i>Korea</i>