

**The 22nd JASMISS
Pre-event
— Wed. November 27 —**

7 p.m. Presidential Dinner at JR Hotel Clement Takamatsu

**The 22nd JASMISS
Program DAY 1
— Thu. November 28 —
All program in Japanese.**

7 p.m. get-together party only for participants from overseas.

**The 22nd JASMISS
Program DAY 2
— Fri. November 29 · Hall 1 —
All program in English except Morning seminars.**

08:30-09:30

Morning seminar 1 Moderator Akihiro Nagamachi

MS1

Application of the FESS scope for nonspecific lumbago and central spinal stenosis

Akira Dezawa

09:40-10:40

Invited lecture 1 Moderator Koichi Sairyo

IL1

Collaboration Among Surgeons and Engineers Essential for Innovative Technology to Address Spinal Disorders

Vijay K. Goel

The University of Toledo

10:50-11:50

Leaders' lecture Moderator Toru Hasegawa

LL1-1

The history and the future of Japanese endoscopic spinal surgery
Akira Dezawa

LL1-2

Nomenclature of the endoscopic surgery, and current status in Korea
Jin-Sung Kim

Department of Neurosurgery, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea

12:00-13:00

Luncheon seminar 4 Moderator Hiroaki Nakamura

LS4-1

Innovative bone graft in total en bloc spondylectomy
Hideki Murakami

Department of Orthopaedic Surgery, Nagoya City University Medical School

LS4-2

Problems related to bone fragility spine fractures associated with osteoporosis and proposal of surgical treatment policy
Kotaro Nishida

Department of Orthopedic Surgery, Graduate School of Medicine, University of the Ryukyus

13:10-14:10

Determination lecture Moderator Tomoaki Toyone

DL1

Challenges and determination for the ultimate goal of minimally invasive spinal surgery
Ken Ishii

Department of Orthopedic Surgery, School of Medicine, International University of Health and Welfare (IUHW) Spine and Spinal Cord Center, IUHW Mita Hospital

DL2

Full endoscopic spinal surgery for degenerative spinal stenosis
Hyeun-Sung Kim

Department of Neurosurgery, Nanoori Gangnam Hospital, Seoul, Republic of Korea

14:20-15:20

Asian leading edge Symposium 1 MIS Fusion Moderator Seiji Ohtori

AL1-1

Miniopen oblique lateral L5-S1 interbody fusion (OLIF51)

Seiji Ohtori

Department of Orthopaedic Surgery, Graduate School of Medicine, Chiba University

AL1-2

Endoscopy-assisted Oblique Lumbar Interbody Fusion

Jin-Sung Kim

Department of Neurosurgery, Seoul St Mary's Hospital, Catholic University of Korea, Seoul, Korea

AL1-3

Full endoscopic trans-Kambin triangle lumbar interbody fusion: technique and clinical outcome.

Masatoshi Morimoto

Department of Orthopaedic surgery, Takamatsu Municipal Hospital,

AL1-4

Oblique Lateral Interbody Fusion Combined with Endoscopic Decompression for Lumbar Spinal Degenerative Disease: A Case Series

Yi Hung Huang

Chief of Department of Orthopaedic Surgery, Chia Yi Christian Hospital, Chia Nan University pharmacy and science

AL1-5

Circumferential MIS for adult spinal deformity

Masayuki Ishihara

Dept. of Orthop. Surg., Kansai Medical University Hospital.

16:00-17:00

Determination symposium Moderators Kazuhiro Hasegawa, Kazuhiro Takeuchi

DS1-1

AUTOMATED MACHINE-LEARNED MRI GRADING FOR LUMBAR SPINAL STENOSIS IN THE WAKAYAMA SPINE STUDY

Yuyu Ishimoto

Department of orthopedic surgery, Kinan Hospital,

DS1-2

The short-term clinical results and the surgical technique of fullendoscopic lateral lumbar interbody fusion for initial 10 cases

Seiji Yamaya

Department of Orthopaedic Surgery, National Hospital Organization, Sendai Nishitaga Hospital

DS1-3

The pros and cons of full-endoscopic spinal surgery for lumbar spinal stenosis -clinical outcomes, techniques and the future-

Koichiro Ono

Nippon Koukan Hospital

DS1-4

Trans-sacral canal plasty for low back pain and leg pain in patients with failed back surgery syndrome

Haruki Funao

Department of Orthopaedic Surgery, School of Medicine, International University of Health and Welfare,

DS1-5

Penetrating endplate screw for spinal fractures with diffuse idiopathic skeletal hyperostosis (DISH)

Tetsuhiro Ishikawa

Orthopedic Surgery, Sanmu Medical Center

DS1-6

Cortical bone trajectory method. From introduction to establishment

Kanji Mori

Dept. of Orthopaedic Surgery, Shiga University of Medical Science

The 22nd JASMISS Program DAY 2

— Fri. November 29 • Hall 2 —

09:40-10:40

Invited lecture 2 Moderator Masatsune Yamagata

IL2

Robotics, Minimally invasive and Computer-assisted Spine Surgery

Yen-Mou Lu

Kaohsiung Medical University Hospital, Taiwan

10:50-11:50

Young Leaders' lecture Moderator Hiroshi Takahashi

LL2-1

Spine Surgery and MIS in Nepal

Subash Chandra Jha

Department of Orthopedics, Birat Medical College and Teaching Hospital, Kathmandu University, Biratnagar, Nepal

LL2-2

Spine Surgery and MIS in Taiwan

Cheng-Li Lin

Department of Orthopaedic Surgery, National Cheng Kung University Hospital, Tainan, Taiwan

13:10-14:00

Keynote lecture 1 FED1 Moderator Toru Maeda

KL1-1

Experience of Fully Endoscopic Interlaminar Decompression for Lumbar Stenosis

Chia-hsien Chen

Department of Orthopedics, Shuang ho hospital, Taipei Medical University, new Taipei, Taiwan

KL1-2

The publication trend of full-endoscopic discectomy in the world and Japan: a 20-years bibliometric analysis

Makoto Takeuchi

Tokushima Prefecture Naruto Hospital

KL1-3

Trend of percutaneous endoscopic decompression in spinal stenosis

Yi Hung Huang

Chia Yi Christian Hospital

KL1-4

Better or not? Percutaneous Transforaminal Endoscopic lumbar discectomy in lateral decubitus position

Chi-Huan Li

Orthopaedic Department, Chang Bing Show-Chwan Memorial Hospital, Changhua, Taiwan

KL1-5

Percutaneous endoscopic transforaminal decompression is superior than percutaneous endoscopic interlaminar decompression on L5/S1 lateral recess stenosis : a case series and technique note

Yu-Hsuan Chung

Department of Orthopaedic, Show-Chwan Memorial Hospital

14:20-15:20

Asian leading edge symposium 2 Full Endoscope Moderator Kuniyoshi Tsuchiya

AL2-1

Full Endoscopic Spine Surgery: -matters should be attended for a safe clinical application-

Kuniyoshi Tsuchiya

Dept. of Orthopaedics JCHO Kyushu Hospital

AL2-2

Unilateral Biportal Endoscopic Decompression Technique for Foraminal Stenosis of the Lumbosacral Spine

Jwo-Luen Pao

Department of Orthopaedic Surgery, Far-Eastern Memorial Hospital, New Taipei, Taiwan

AL2-3

Clinical outcomes of full endoscopic transforaminal decompression (FETD) for degenerative lumbar lateral recess stenosis associated with degenerative scoliosis

Keng-Chang Liu

Department of Orthopaedic Surgery, Dalin Tzu-Chi General Hospital, Chia-Yi, Taiwan

AL2-4

Contralateral keyhole endoscopic surgery (CKES) for lumbar spinal stenosis and lumbar disc herniation

Cheul Woong Park

Founder and President of Daejeon Woori Hospital, Daejeon City, Republic of Korea

15:20-16:00

Keynote lecture 2 FED2 Moderator Tomoya Terai

KL2-1

Percutaneous endoscopic foraminotomy (PELF) against lumbar foraminal stenosis with A radiculopathy.

Manabu Minami

Spinal Disorders Center, Fujieda Heisei Memorial Hospital

KL2-2

Could the splitting of annulus during percutaneous endoscopic lumbar discectomy (PELD) be a culprit for recurrent disc herniation?: an analysis of re-herniation pattern after PELD

Jun Ho Lee

Department of Neurosurgery, Kyung Hee University Medical Centre, Seoul, Korea

KL2-3

Return to the occupational activity from the lumbar spinal disorders by the minimally invasive full endoscopic decompression surgery.

Ayaka Hashimoto

Department of Orthopedics, Tokushima University

KL2-4

The relationship of facet tropism to Lumbar disc herniation in young patients

Yoshihiro Ishihama

Department of Orthopedics, Tokushima University

The 22nd JASMISS Program DAY 2

— Fri. November 29 • Hall 3 —

08:30-09:30

Morning seminar 2 Moderator Koji Sato

MS2

The single position for lateral interbody fusion and pedicle screw fixation - Comparison of C-arm and Neuronavigation technique-
Akihiko Hiyama

Department of Orthopaedic Surgery, Surgical Science, Tokai University School of Medicine

10:50-11:50

Keynote lecture 3 MIS-FUSION Moderator Kanji Sasaki

KL3-1

Indirect neural decompression with minimally invasive-transforaminal lumbar interbody fusion for lumbar degenerative spondylolisthesis
Yuri Tamura

Department of orthopedic surgery, Saiseikai Kawaguchi General Hospital,

KL3-2

Minimally invasive surgery with a percutaneous full-endoscope (7.5 mm outer tube) for spinal laminoplasty and intervertebral fusion
Fujio Ito

Aichi Spine Hospital

KL3-3

Surgical outcomes of short fusion preserving posterior element with X-core for osteoporotic lower lumbar vertebral fracture
Ryo Sasaki

Department of Orthopaedic Surgery, Ishikiriseiki Hospital

KL3-4

Experience of Biportal Endoscopic Transforaminal Lumbar Interbody Fusion in Taiwan
Kuo Pin Kuo

Department of Orthopedic Surgery, Younghe Cardinal Tien Hospital New Taipei City, Taiwan, R.O.C

KL3-5

Minimally Invasive Cervical Pedicle Screw Fixation (MICEPS) via a Posterolateral Approach - Introduction of a Whole New World

Takamitsu Tokioka

Department of Orthopedic Surgery, Kochi Health Sciences Center

KL3-6

All-in-one percutaneous pedicle screw system reduces screw insertion time in minimally invasive thoracolumbar spine surgery.

Atsushi Kojima

Funabashi Orthopaedic Hospital, Spine and spinal cord center

12:00-13:00

Luncheon seminar 5 Moderator Takanori Saito

LS5-1

Safe and reliable performance in lateral lumbar spine surgery - from the basic to tips and pitfalls

Hidetoshi Nojiri

Department of Orthopaedic Surgery, Juntendo University,

LS5-2

Vertebral body reconstruction using X-core2 system -its indication and the surgical technique

Akinobu Suzuki

Department of Orthopaedic Surgery, Osaka City University Graduate School of Medicine

13:10-14:10

Keynote lecture 4 Impressive Cases Moderator Hisanori Ikuma

KL4-1

A case of intradural arachnoid cyst in the thoracic spine co-occurred to the ossification of the yellow ligament

Masayuki Umano

Department of Orthopaedic Surgery, Ishikiriseiki Hospital

KL4-2

Multiple pyogenic spondylitis caused by catheter-related blood stream infection (CRBSI) occurred in a dialysis patient, a case report.

Mitsuhiro Kamada

Takamatsu red cross hospital

KL4-3

A case with Postoperative transient paralysis after Two staged spinal reconstruction for adult spinal deformity.**Takuya Mishiro**

Department of Orthopaedic Surgery, Takamatsu Red Cross Hospital

KL4-4

Lumbar Intervertebral Discal Cyst: A Case Report**Keisuke Nishidono**

Department of Orthopedic surgery, Takamatsu Red Cross Hospital

KL4-5

Case reports Postoperative seizure episode after full endoscopic spine surgery**Wei-Lun Chang**

Department of Orthopaedic Surgery, National Cheng Kung University Hospital, Tainan, Taiwan

KL4-6

Full-endoscopic decompression surgery under local anesthesia avoiding spinal fusion surgery; Report of two cases**Daiki Nakajima**

Department of Orthopedic Surgery, Takamatsu Municipal Hospital,

14:20-15:20

Keynote lecture 5 Evaluation Moderator Takuya Mishiro

KL5-1

Changes of ligamentum flavum thickness and foraminal height in different lumbar postures – the cadaveric study**Ting-An Cheng**

Department of Orthopedic Surgery, National Cheng Kung University Hospital, Tainan, Taiwan

KL5-2

Image features of lumbar disk herniation in adolescents**Nobutoshi Takamatsu**

Department of Orthopedic Surgery, The University Tokushima

KL5-3

Evaluating the effects of pain control on radiographic segmental instability in patients with spondylolisthesis**Shih-Hsiang Chou**

Department of Orthopaedic Surgery, Kaohsiung Medical University Hospital, Kaohsiung, Taiwan

KL5-4

The Radiographical Comparison of Percutaneous Vertebroplasty and Bracing for Osteoporotic Vertebral Compression Fractures- the Analysis of Callus Formation and Spinal Alignment

Yuh-Ruey Kuo

Department of Orthopaedic Surgery, National Cheng-Kung University Hospital, Taiwan

KL5-5

Indirect decompression of the lumbar spinal canal in degenerative lumbar canal stenosis is possible from posterior approach.

Ivan Sekiguchi

Department of Orthopedic Surgery, Hokuto Medical Corporation Hokuto Hospital,

KL5-6

The Reamer is Safe for Percutaneous Transforaminal Endoscopic Foraminoplasty - Experience of 102 Patients

Ming-Hsien Hu

Orthopaedic Department, Show-Chwan Memorial Hospital

15:20-16:10

Keynote lecture 6 Surgery Moderator Kazuyoshi Nakanishi

KL6-1

Efficacy of early Balloon Kyphoplasty for osteoporotic vertebral fractures

Koichiro Ono

Center for Spinal Surgery, Nippon Koukan Hospital

KL6-2

An open drainage is feasible for lumbar endoscopic surgery.

Tomowaki Nakagawa

Department of Orthopaedic, Sendai Orthopaedic Hospital

KL6-3

A new location-selected strategy of radiofrequency treatment in low back pain

Po-Yin Shen

Department of Orthopaedics, Kaohsiung Municipal Siaoqang Hospital

KL6-4

Unilateral Biportal Endoscopic Decompression for Degenerative Lumbar Canal Stenosis

Jwo-Luen Pao

Department of Orthopaedic Surgery, Far-Eastern Memorial Hospital, New Taipei, Taiwan

KL6-5

Full-Endoscopic Interlamina Decompression for Treating Low-grade Lumbar Stenotic Spondylolisthesis A preliminary report

Ching-Hsiao Yu

Department of Orthopaedic Surgery, Taoyuan General Hospital, Taiwan

**The 22nd JASMISS
Program DAY 2
— Fri. November 29 • Hall 4 —**

08:30-09:30

Morning seminar 3 Moderator Takashi Chikawa

MS3

Diagnosis and strategy for treatment of osteoporosis associated with spinal disorders

Hiroataka Haro

Department of Orthopaedic Surgery, University of Yamanashi

12:00-13:00

Luncheon seminar 6 Moderator Morio Matsumoto

LS6-1

Current understanding of discogenic low back pain. - What causes discogenic pain? -

Yasuchika Aoki

Department of Orthopaedic Surgery, Eastern Chiba Medical Center,

LS6-2

Full-endoscopic treatment for discogenic low back pain

Kazuta Yamashita

Tokushima University School of Medicine Department of Orthopedics