Scientific Program-August 9th

Opening Ceremony
08:00-8:20
Suz Garden, Floor 1

Guest Speaking
08:20-9:20
Suz Garden, Floor 1

Moderator: Shuxun Hou, Yue Zhou, Zhaomin Zheng, Liang Chen,
1) 08:20-08:40
“Title Pending”
Presenter: Woiciechowsky Christian
Affiliations, German
2) 08:40-09:00
Surgical skill qualification system in Japan
Presenter: Masatsune Yamagata
Chiba Rosai Hospital, Japan
3) 09:00-09:20
Performing spine surgery safely – A Personal Perspective
Presenter: Hee Kit Wong
Yong Loo Lin School of Medicine, National University of Medicine, Singapore

09:20-09:40
Tea Break
Faculty Lectures 1

Friday, August 9, 09:40-11:40
Meeting Room M4, Floor 2

Moderators: Shuxun Hou, Jae-Yoon Chung, Masatsune Yamagata

1) 9:40-9:50
   SEEssys electromagnetic navigation PELD technique application
   Presenter: Yue Zhou
   Army Medical University, Xinqiao Hospital

2) 9:50-10:00
   Long-term follow-up results of final fusion surgery after growing rod treatment in children with progressive scoliosis
   Presenter: Hak-Sun Kim
   Yonsei University, Gangnam Severance Hospital

3) 10:00-10:10
   Laminoplasty and intervertebral fusion using percutaneous endoscopy
   Presenter: Fujio Ito
   Aichi Spine Hospital

4) 10:10-10:20  Discussion

Moderators: Luthfi Gatam, Yi-Hung Huang, Baoshan Xu

5) 10:20-10:30
   Using Percutaneous Endoscopic Outside-In Technique to Treat Selected Patients with Refractory Discogenic Low Back Pain (DLBP)
   Presenter: Keng-Chang Liu
   Dalin Tzu Chi General Hospital
6) 10:30-10:40
   Percutaneous Endoscopic Interlaminar Discectomy for Sequestered Disc Herniation of L5-S1
   Presenter: Jiancheng Zeng
   Sichuan University, West China Hospital

7) 10:40-10:50
   Early outcome of the safety and efficacy of full-endoscopic lumbar interbody fusion
   Presenter: Zhenzhou Li
   Forth Medical Center of PLA General Hospital

8) 10:50-11:00 Discussion

Moderators: Keng-Chang Liu, Jiancheng Zeng, Zhenzhou Li

9) 11:00-11:10
   Comparison of open decompression and full endoscopic decompression in the management of spinal stenosis
   Presenter: Luthfi Gatam
   Fatmawati General Hospital

10) 11:10-11:20
    Intraoperative transfer and postoperative revision after percutaneous endoscopic surgery for lumbar stenosis
    Presenter: Baoshan Xu
    Tianjin Hospital

11) 11:20-11:30
    Trend of percutaneous endoscopic decompression in spinal stenosis
    Presenter: Yi-Hung Huang
    Chia Yi Christian Hospital

12) 11:30-11:40 Discussion
Free Papers-Section 1

General Session: Percutaneous Endoscopic Surgery & Micro-endoscopic Surgery

Friday, August 9, 13:00-16:05
Meeting Room M4, Floor 2

Moderators: Fujio Ito, Soo-Bin Lee

1) 13:00-13:05
   Intradiscal pressurized irrigation of saline during interlaminar full-endoscopic lumbar discectomy: analysis of risk factors of eruption of the remnant intradiscal fragment
   Presenter: Hiroyuki Yamagata
   Seikei-kai Chiba Medical Center

2) 13:05-13:10
   Presenter: Asrafi Rizki Gatam
   Fatmawati General Hospital

3) 13:10-13:15
   Learning curve of full-endoscopic lumbar discectomy
   Presenter: Syafrudin Husin
   Arifin Achmad Hospital

4) 13:15-13:20
   Real time O-arm navigated percutaneous endoscopic surgery in thoracolumbar spine disease
   Presenter: Pang-Hsuan Hsiao
   China Medical University Hospital
5) 13:20-13:25

Percutaneous Endoscopic Debridement and Drainage (PEDD): A Simple and Effective Technique for Treating Psoas Abscess in Lumbar Tuberculous Spondylitis

Presenter: Harmantya Mahadhipta
Tangerang General Hospital

6) 13:25-13:35 Discussion

Moderators: Yen-Mou Lu, Syafrudin Husin

7) 13:35-13:40

Surgical results of central lumbar disc herniation: percutaneous full endoscopic lumbar discectomy via interlaminar vs PED via transforaminal

Presenter: Jun-Ichiro Nakamura
Kawasaki-Saiwai Hospital

8) 13:40-13:45

The mid-long-term effect of only placed expandable interbody fusion cage in the treatment of lumbar spinal stenosis with vertebral instability using MED system

Presenter: Chunlin Zhang
The First Affiliated Hospital of Zhengzhou University

9) 13:45-13:50

Efficacy and safety of percutaneous endoscopic decompression for lumbar spinal stenosis in elderly patients

Presenter: Huimin Zhu
Henan Provincial Armed Police Corps Hospital

10) 13:50-13:55

Percutaneous endoscopic lumbar discectomy for high-grade migrated disc herniation through different approach

Presenter: Wenfei Ni
The Second Affiliated Hospital of Wenzhou Medical University
11) 13:55-14:00
   Learning points from 3000 cases of endoscopic spine surgery in 4 years by a single surgeon
   Presenter: Bin Zhu
   Peking University, The Third Hospital

12) 14:00-14:10   Discussion

Moderators: Chong-Suh Lee, Eung Ha Kim

13) 14:10-14:15
   Biportal endoscopic cervical foraminotomy: a technical reports and preliminary clinical outcomes
   Presenter: Min-Seok Kang
   Uijeongbu Seoul Chuk Hospital

14) 14:15-14:20
   Biportal Endoscopic/Arthroscopic Discectomy for High-grade Migrated Lumbar Disc Herniation
   Presenter: Tae-Wook Kang
   Korea University

15) 14:20-14:25
   Comparison of Biportal Endoscopic Spine Surgery(BESS) and Transforaminal Lumbar Interbody Fusion(TLIF) in treating central and foraminal lumbar stenosis based on clinical and radiological outcomes.
   Presenter: Seung-Gwan Park
   Dankook University Hospital

16) 14:25-14:30
   Unilateral Biportal Endoscopic Lumbar Interbody Fusion (ULIF) Versus Conventional Posterior Lumbar Interbody Fusion (PLIF) for 2 lumbosacral segment: Clinical and Radiological Outcomes of One-Year Follow-up
   Presenter: Seung-Hyun Choi
17) 14:30-14:35

Comparative study of minimally invasive microscopic surgery, tubular and biportal endoscopic spine surgery in lumbar foraminal stenosis with or without disc: our experience

Presenter: Kang-Hyon Sung
Namkise Hospital

18) 14:35-14:45  Discussion

Moderators: Agung Irianto Komang, Chunlin Zhang

19) 14:45-14:50

Assessment of triangular working zone size and clinical outcome at different intervertebral disc levels evaluated by 3D CT/MRI fusion imaging for transforaminal full-endoscopic lumbar discectomy

Presenter: Jiro Hirayama
Seikei-Kai Chiba Medical Center

20) 14:50-14:55

The primary application of transforaminal endoscopic debridement in brucellar spondylitis

Presenter: Qiang Zhang
Affiliated Beijing Chaoyang Hospital of Capital Medical University

21) 14:55-15:00

Clinical outcomes analysis of large channel percutaneous endoscopic decompression via interlaminar approach for the treatment of lumbar spinal stenosis

Presenter: Yansong Wang
The First Affiliated Hospital of Harbin Medical University

22) 15:00-15:05

Treatment of single-level thoracic tuberculosis by percutaneous endoscopic debridement and allograf via the transforaminal
approach combined with percutaneous pedicle screw fixation: a multicenter study with a median follow-up of 36 months

Presenter: Lei Chu
The Second Affiliated Hospital of Chongqing Medical University

23) 15:05-15:10
The feasibility for a novel minimally invasive surgery-Percutaneous Endoscopic Transforaminal Lumbar Interbody Fusion (PE-TLIF) for the treatment of lumbar degenerative diseases: a cadaveric experiment

Presenter: Peng Yin
Affiliated Beijing Chaoyang Hospital of Capital Medical University

24) 15:10-15:20  Discussion

15:20-15:30 Tea Break

Moderators: Keyi Yu, Asrafi Rizki Gatam

25) 15:30-15:35
Risk Factors for Recurrent Herniation After Percutaneous Endoscopic Lumbar Discectomy

Presenter: Minghan Liu
Army Medical University, Xinqiao Hospital

26) 15:35-15:40
Mid-term Evaluation of Percutaneous Transforaminal Endoscopic Lumbar Discectomy in Six Years postoperatively

Presenter: Jinzhu Bai
China Rehabilitation Research Center

27) 15:40-15:45
Comparison of the Clinic Outcomes between Anterior Cervical Decompression and Fusion and Posterior Cervical foraminotomy for Treatment of Cervical Radiculopathy
Presenter: Jun Hu
The First Affiliated Hospital of University of Science and Technology, Anhui Provincial Hospital

28) 15:45-15:50

A Novel Posterior Trench Approach involving Percutaneous Endoscopic Cervical Discectomy for Central Cervical Intervertebral Disc Herniation
Presenter: Kexiao Yu
The Second Affiliated Hospital of Chongqing Medical University

29) 15:50-15:55

Clinical results of percutaneous spinal endoscopic unilateral approach to perform bilateral decompression for patients with lumbar spinal stenosis
Presenter: Jianwei Du
Affiliated Hospital of Yangzhou University

30) 15:55-15:05  Discussion

General Session: Kyphoplasty & Vertebroplasty

Friday, August 9, 16:05-17:15
Meeting Room M4, Floor 2

Moderators: Deuk-Soo Jun, Shisheng He

1) 16:05-16:10

Survival Rate and Risk Factor Analysis in Patients Who Experience a New Fracture after Kyphoplasty
Presenter: Jung-Hoon Kim
Ilsan Paik Hospital, Inje University

2) 16:10-16:15

Validation of the Indonesian Version of the ECOS-16 Questionnaire in Patients with Osteoporotic Vertebral Fractures
Presenter: Noor Zairin
Medical Faculty of Lambung Mangkurat University

3) 16:15-16:20
Results of Vertebroplasty using Larger Diameter Needle for Thoracolumbar Osteoporotic Vertebral Compression Fracture: Comparison with Conventional Vertebroplasty
Presenter: Min-Gu Jang
Konyang University Hospital

4) 16:20-16:25
Clinical experience of polymethylmethacrylate-augmented pedicle screw fixation plus percutaneous vertebroplasty for the treatment of senile-osteoporosis vertebral compression fractures complicated with spinal stenosis
Presenter: Haibo Zou
China-Japan Friendship Hospital

5) 16:25-16:30
Efficacy of dexmedetomidine combined with pentazocine intravenous anesthesia on percutaneous kyphoplasty with osteoporotic vertebral compression fracture
Presenter: Shan Deng
Tianjin Hospital

6) 16:30-16:40 Discussion

Moderators: Kuo-Yuan Huang, Yutaka Hiraizumi

7) 16:40-16:45
Bench properties, biocompatibility and clinical performance of a synthetic Ca/P/S-based bone substitute material
Presenter: Jiin-Huey Chern Lin
Cheng-Kung University

8) 16:45-16:50
Percutaneous vertebroplasty (PVP) to treat specialized type of endplate fractures around the schmorl's node: a prospective observation study of 65 patients

Presenter: Yaoshen Zhang
Beijing Chao-yang Hospital, Capital Medical University

9) 16:50-16:55

Relationship between the Progression of Kyphosis in Thoracolumbar Osteoporotic Vertebral Compression Fractures and Magnetic Resonance Imaging Findings

Presenter: Jong-Min Baik
Gil Medical Center, University of Gachon college of Medicine

10) 16:55-17:00

Comparison of the puncture efficiency between conventional pedicle approach (CPA) and transverse process-pedicle approach (TPA) for distinct lumbar vertebra during percutaneous kyphoplasty (PKP)

Presenter: Xinlin Su
The First Affiliated Hospital of Soochow University

11) 17:00-17:05

Vertebroplasty with IPLF facilitated by a novel minimally invasive cement delivery system combined with a novel Ca/P/S-based orthopedic cement - a pilot study

Presenter: Che-Chia Hsu
Cheng-Kung University Medical College and Hospital

12) 05:05-05:15  Discussion

General Session: Complication of MISS

Friday, August 9, 17:15-17:40
Meeting Room M4, Floor 2

Moderators: Haibo Zou, Bin Zhu
1) 17:15-17:20
   Early Failure of Cortical Bone Trajectory Pedicle Screw Fixation in Lumbar Degenerative Disease
   Presenter: Soo-Bin Lee
   Yonsei University College of Medicine
2) 17:20-17:25
   Risk Factors for Reoperation after Single Level Endoscopic Discectomy
   Presenter: Yaoshen Zhang
   Beijing Chao-yang Hospital, Capital Medical University
3) 17:25-17:30
   How to prevent complications of percutaneous transfomaminal endoscopic lumbar discectomy in learning curve phase: personal experience with systemic review
   Presenter: Keyi Yu
   Chinese Academy of Medical Sciences & Peking Union Medical College
4) 17:30-17:40 Discussion
Faculty Lectures 2

Friday, August 9, 09:40-11:40
Meeting Room M5, Floor 2

Moderators: Hee-Kit Wong, Warat Tassanawipas, Jae-Sung Ahn

1) 9:40-9:50
   **Two Years’ Outcomes of Percutaneous SpineJack augmentation in Elderly Osteoporotic Bursting Fracture using 3D morphological evaluation**
   Presenter: Ruey-Mo Lin
   Tainan Municipal An-Nan Hospital CMU

2) 9:50-10:00
   **Asymptomatic Construct Failure after Metastatic Spine Tumour Surgery: A new entity or a continuum with symptomatic failure?**
   Presenter: Naresh Kumar
   National University Hospital

3) 10:00-10:10
   **Perioperative complications associated with minimally invasive surgery oblique lumbar interbody fusion for degenerative lumbar diseases in 113 patients**
   Presenter: Jian Wang
   Army Medical University, Xinqiao Hospital

4) 10:10-10:20 Discussion

   Moderators: Taweechai Tejapongworachai, Takanori Saito, Guoyong Yin

5) 10:20-10:30
The Efficacy to Delay the Surgical Need by Transcaudal Epidural Steroid Injection in Degenerative Lumbar Spinal Stenosis with and without Listhesis: 7-Year Retrospective Study

Presenter: Warat Tassanawipas
Orthopaedic Surgeon Army Hospital

6) 10:30- 10:40

New screw insertion technique (CBT/ TASS) for minimum invasive L5/S PLIF

Presenter: Hidetomi Terai
Osaka City University Graduate School of Medicine

7) 10:40-10:50

Hybrid surgery for the treatment of contiguous two-segment cervical degenerative disc disease; is it moving forward?

Presenter: Seok-Woo Kim
Hallym University Sacred Heart hospital

8) 10:50-11:00  Discussion

Moderators: Ruey-Mo Lin, Shing-Sheng Wu, Seok-Woo Kim

9) 11:00- 11:10

Inserting C1 Lateral Mass Screw Using The Intersection Between Lateral Mass And Posterior Arch As A Reference: Radiographic Study

Presenter: Torphong Bunmaprasert
Chiang Mai University

10) 11:10-11:20

Ultrasonic bone dissectors in endoscopic spine surgery—my experience since 2010.

Presenter: Shrinivas Rohidas
Prakruti Clinic

11) 11:20-11:30

How to do Mini open LaLIF?
Presenter: Zhaomin Zheng
First Affiliated Hospital of Sun-Yat-Sen University

12) 11:30-11:40  Discussion
Free Papers-Section 2

General Session: Minimally Invasive Spine Stabilization

Friday, August 9, 13:00-14:45
Meeting Room M5, Floor 2

Moderators: Hidetomi Terai, Bing Wang

1) 13:00-13:05
   Combination of OLIF and BESS; comparison with conventional TLIF
   Presenter: Ho-Jin Lee
   Chungnam National University Hospital

2) 13:05-13:10
   Percutaneous temporary internal fixation for cervical spine injury using O-arm
   Presenter: Nobuyuki Shimokawa
   Tsukazaki Hospital, Japan

3) 13:10-13:15
   Navigation in minimally invasive spine surgery: A technical note and case series
   Presenter: Chung-Wei Lin
   China Medical University Hospital

4) 13:15-13:20
   The instrumentation related complication of minimally invasive transforaminal lumbar interbody fusion (TLIF) for lumbar degenerative diseases
   Presenter: Xinyu Liu
   Qilu Hospital of Shandong University
5) 13:20-13:25  
**Application of navigation-guided MIDLF in treating ASD of the lumbar spine**  
Presenter: Feizhou Lv  
Huashan Hospital Affiliated to Fudan University

6) 13:25-13:35  Discussion

Moderators: Naresh Kumar, Yen-Jen Chen

7) 13:35-13:40  
**Percutaneous pedicle screw placement in lateral position with O-arm®: a technical report**  
Presenter: Hiroaki Matsumoto  
Tsukazaki Hospital

8) 13:40-13:45  
**Minimally Invasive Resection of Extradural Dumbbell Tumors of Thoracic or Lumbar Spine**  
Presenter: Yutong Gu  
Zhongshan Hospital, Fudan University

9) 13:45-13:50  
**Comparison of Percutaneous versus Open pedicle screw fixation for treatment of thoracolumbar fractures in Hardware removal patients**  
Presenter: Han-Bin Jin  
Wonju Severance Hospital, Yonsei University

10) 13:50-13:55  
**Minimally invasive corrective surgery for non-union of osteoporotic thoracolumbar fracture with kyphosis - preliminary case series**  
Presenter: Chien-Ying Lai  
China Medical University Hospital

11) 13:55-14:00
The clinical outcomes and postoperative fusion rate between TLIF with CBT and TLIF with conventional pedicle screw placement

Presenter: Kang Yan
Tangdu Hospital Affiliated to Air Force Medical University

12) 14:00-14:10  Discussion

Moderators: Dae-Moo Shim, Jian Wang

13) 14:10-14:15
Decompression procedure using unilateral biportal endoscopy (UBE) for Thoracic Myelopathy Caused by Ossification of the Ligamentum Flavum: a technical note and preliminary clinical results

Presenter: Seung-Hyun Choi
ParkWeonWook Hospital

14) 14:15-14:20
Short-term clinical outcomes and complications of mini-open lateral anterior lumbar interbody fusion

Presenter: Jianru Wang
The First Affiliated Hospital and Orthopedic Research Institute of Sun Yat-sen University

15) 14:20-14:25
A novel hand-held retractor and its application in percutaneous pedicle screw placement

Presenter: Lei Niu
Anhui Provincial Hospital

16) 14:25-14:30
Comparison of robot assisted MIS-TLIF and traditional MIS-TLIF technique

Presenter: Shudong Jiang
Beijing Chuiyangliu Hospital

17) 14:30-14:35
Comparison of MIS-TLIF assisted by O-arm navigation and microscope versus conventional TLIF in the treatment of isthmic spondylolisthesis

Presenter: Hao Chen
The First Affiliated Hospital of Soochow University

18) 14:35-14:45  Discussion

General Session: Deformity & Degenerative Conditions

Friday, August 9, 14:45-15:20
Meeting Room M5, Floor 2

Moderators: Yingjie Hao, Youk-Sang Kwon

1) 14:45-14:50
   Full-endoscopic uniportal retropharyngeal odontoidectomy: a preliminary report
   Presenter: Yong Tang
   Sun Yat-sen Memorial Hospital, Sun Yat-sen University

2) 14:50-14:55
   Should thoracolumbar junction be always avoided as upper instrumented vertebra in long instrumented fusion for adult spinal deformity?
   Presenter: Se-Jun Park
   Samsung Medical Center

3) 14:55-15:00
   Mini-Open Schwab Grade 4 Osteotomy Combined with Percutaneous Pedicle Screws Fixation in post-traumatic thoracolumbar kyphosis
   Presenter: Xinyu Liu
   Qilu Hospital of Shandong University
4) 15:00-15:05
   Clinical effects of posterior laminectomy combined with intervertebral bone graft treatment on old thoracolumbar fractures with kyphosis
   Presenter: Haiyang Yu
   Fuyang People’s Hospital

5) 15:05-15:10
   Re-assessment system and staged surgical strategy with minimally invasive techniques for treatment of severe adult spinal deformities
   Presenter: Zhengkuan Xu
   The Second Affiliated hospital of Zhejiang University School of Medicine

6) 15:10-15:20  Discussion

15:20-15:30 Tea Break

General Session: Fusion & Lateral Lumbar Interbody fusion

Friday, August 9, 15:30-16:55
Meeting Room M5, Floor 2

Moderators: Warat Tassanawipas, Xinyu Liu

1) 15:30-15:35
   Clinical Outcomes of a Zero Profile Implant for Single-Level Anterior Cervical Discectomy and Fusion
   Presenter: Saint-Pee Kim
   Wonkwang University Hospital

2) 15:35-15:40
Effect of osteoporosis on cage subsidence following oblique lumbar interbody fusion for lumbar spondylolisthesis
Presenter: Jian Wang
Xinqiao Hospital Army Medical University
3) 15:40-15:45
True anteroposterior view pedicle screw insertion technique
Presenter: Wei Zhang
The Third Hospital of Hebei Medical University
4) 15:45-15:50
Retrospective review of short to mid-term outcome in oblique lateral lumbosacral fusion (OLIF51) surgery
Presenter: Sumihisa Orita
Graduate school of Medicine, Chiba University
5) 15:50-15:55
Comparing stand-alone oblique lumbar interbody fusion with posterior lumbar interbody fusion for revision of rostral adjacent segment disease-A STROBE-compliant study
Presenter: Yingjie Hao
The First Affiliated Hospital of Zhengzhou University
6) 15:55-16:05  Discussion

Moderators: Shrinivas Rohidas, Wei Zhang
7) 16:05-16:10
Clinical application of robotic assisted lumbar oblique lateral interbody fusion
Presenter: Bolai Chen
Guangdong Province Traditional Medical Hospital
8) 16:10-16:15
Comparative Measurement of Preoperative and Postoperative Radiologic Parameters of Direct Lumbar Interbody Fusion in
Degenerative Spinal Disease Patients Retrospective Evaluation of Radiologic Outcomes in Direct Lumbar Interbody Fusion

Presenter: Yong-Cheol Hong
Soonchunhyang University Hospital Cheonan

9) 16:15-16:20
The technical note and approach related complications of modified lateral lumbar interbody fusion
Presenter: Zhengkuan Xu
The Second Affiliated hospital of Zhejiang University

10) 16:20-16:25
Foraminal height change at L5-S1 by computed tomography (CT) analysis: a comparison between anterior lumbar (ALIF) and oblique lumbar interbody fusion (OLIF)
Presenter: Huibing Ruan
The Fourth Affiliated Hospital of Nanchang University

11) 16:25-16:30
Crenel lateral interbody fusion for the treatment of symptomatic adjacent segment degeneration following previous lumbar fusion
Presenter: Bo An
Henan Provincial Corps Hospital

12) 16:30-16:40  Discussion

Moderators: Zhaomin Zheng, Bolai Chen

13) 16:40-16:45
Short-term clinical evaluation of endoscopy assisted transforaminal lumbar interbody fusion in treatment of lumbar degenerative disease
Presenter: Xiaodong Chen
Luohu TCM Hospital

14) 16:45-16:50
Correlation study of approach radiographic characteristics and operative difficulty for LaLIF/OLIF
Presenter: Hui Liu
The First Affiliated Hospital, Sun Yat-sen University

15) 16:50-16:55
Mini-open lateral-anterior lumbar interbody fusion for lumbar spinal degeneration diseases short-term results and perioperative complications
Presenter: Jianru Wang
The First Affiliated Hospital, Sun Yat-sen University

16) 16:55-17:00
Establishment and Implementation of an Enhanced Recovery After Surgery (ERAS) Pathway Tailored for Minimally Invasive Transforaminal Lumbar Interbody Fusion Surgery
Presenter: Chencheng Feng
Army Medical University, Xinqiao Hospital

17) 17:00-17:05
Clinical Effects of Posterior Limited Long-Segment Pedicle Instrumentation for the Treatment of Thoracolumbar Fractures
Presenter: Chengmin Liang
Fuyang People`s Hospital

18) 17:05-17:15  Discussion

General Session: MISS for Tumor and tuberculosis

Friday, August 9, 17:15-17:40
Meeting Room M5, Floor 2

Moderators: Haibo Zou, Bin Zhu, Yong Tang

1) 17:15-17:20
Laparoscopic retroperitoneal approach for the treatment of lumbar spine tuberculosis

Presenter: Yong Tang
Sun Yat-sen Memorial Hospital, Sun Yat-sen University

2) 17:20-17:25

Posterior surgery versus combined laminectomy and thoracoscopic surgery for treatment of dumbbell-type thoracic cord tumor: A long-term follow-up

Presenter: Yawei Li
The Second Xiangya Hospital of Central South University

3) 17:25-17:30

Percutaneous Transforaminal Endoscopic Surgery (PTES) and OLIF combined with Anterior Screw Fixation for Surgical Treatment of Lumbar Spine Spondylolisthesis

Presenter: Yutong Gu
Zhongshan Hospital, Fudan University

4) 17:35-17:40 Discussion
Scientific Program-August 10th

Faculty Lectures 3

Saturday, August 10, 08:30-09:20
Meeting Room M5, Floor 2

Moderators: Naresh Kumar, Kuo-Yuan Huang

1) 08:30-08:40
   Validation of the quality of life questionnaire of the European foundation for osteoporosis (QUALEFFO-41) in Bahasa Indonesia
   Presenter: Noor Zairin
   Medical Faculty of Lambung Mangkurat University

2) 08:40-08:50
   Effectiveness of Vertebral Distraction Pin Insertion Aiming Device in Human Cadavers
   Presenter: Torphong Bunmaprasert
   Chiang Mai University

3) 08:50-09:00
   Additive Manufactured Ti-6Al-4V/Polyetheretherketone Composite Porous Cage for Interbody Fusion: Bone Growth and Biocompatibility Evaluation in a Porcine Model
   Presenter: Menghuang Wu
   Taipei Medical University Hospital

4) 09:00-09:10
   Mid term surgical results of L-LIF for Lumbar Spondylolisthesis
   Presenter: Masatsune Yamagata
Moderators: Noor Zairin, Masatsune Yamagata, Torphong Bunmaprasert

6) 09:20-09:30
The role of IL-29 on the inflammatory response of degenerative ligamentum flavum
Presenter: Kuo-Yuan Huang
National Cheng Kung University Hospital, College of Medicine, National Cheng Kung University

7) 09:30-09:40
Is there an optimal timing between surgery and radiotherapy to reduce wound complications? – A Systematic Review
Presenter: Naresh Kumar
National University Health System

8) 09:40-09:50
Facet joint osteoarthritis: Pathogenesis and minimally invasive treatments
Presenter: Jinxi Wang
Kansus University Medical Center

9) 09:50-10:00
Evaluation of Lumbar Morphometry based on Axial 3D Computed Tomography for Predicting Skin Entry Point Lumbar Discography
Presenter: Yudha Sakti
General Hospital, Universitas Gadjah Mada

10) 10:00-10:10 Discussion

10:10-10:20 Tea Break
Free Papers-Section 3

General Session: Basic & Miscellaneous

Saturday, August 10, 10:20-11:30
Meeting Room M5, Floor 2

Moderators: Hyoung-yeon Seo, Yudha Sakti

1. 10:20-10:25
   Lumbar facet effusion and paraspinal edema in the patients with lumbar spondylodiscitis
   Presenter: Satoshi Maki
   Chiba University, Graduate School of Medicine

2. 10:25-10:30
   Tissue engineering and clinical repair strategies for intervertebral disc
   Presenter: Lilong Du
   Tianjin Hospital

3. 10:30-10:35
   PLLA electrospun fibrous scaffold modified with CD80 monoclonal antibody promote neurological recovery in rat spinal cord injury
   Presenter: Qin Shi
   The First Affiliate Hospital of Soochow University

4. 10:35-10:40
   The Analysis of Risk Factors of Failed Conservative Treatment of Three Consecutive Selective Nerve Block for Lumbar Spinal Pathology
   Presenter: Seok-Hwan Song
   Chungnam National University Hospital, School of Medicine
5. 10:40-10:45
   Application of full-see dynamic drill decreases the risk of LBP after PTED: a finite element analysis
   Presenter: Jingchi Li
   Jiangsu Province Hospital on Integration of Chinese and Western Medicine

6. 10:45-10:55  Discussion

Moderators: Jinxi Wang, Qin Shi

7. 10:55-11:00
   Reliability of the EOS Imaging System for Assessment of the Spinal and Pelvic Alignment in the Sagittal
   Presenter: Yong-Hwan Kim
   Chungnam National University Hospital

8. 11:00-11:05
   "Effects of epidural spinal cord stimulation on motor function dysfunction and its underlying mechanism in rats with spinal cord injury"
   Presenter: Gang Li
   Tenth People`s Hospital of Tongji University

9. 11:05-11:10
   Bio-database of disc disease in Chinese population
   Presenter: Haiqiang Wang
   Shaanxi University of Chinese Medicine

10. 11:10-11:15
    Short-term outcomes associated with “condoliase” injection for lumbar disc herniation
    Presenter: Masahiro Inoue
    Eastern Chiba Medical Center

11. 11:15-11:20
Biomimetic Osteogenic Peptide with Mussel Adhesion and Osteoummunomodulatory Functions for Amerlioration of Interfacial Osseointegration under Chronic Inflammation Conditions

Presenter: Jiaxiang Bai
The First Affiliated Hospital of Soochow University

12.11:20-11:30  Discussion

Closing Ceremony

Saturday, August 10, 11:30-12:00
Meeting Room M5, Floor 2