



- 13:25-13:35 Lecture 2-2 New Approach to Epiduroscopic Spine Procedures**  
Daniel H. Kim (Director of Spinal Neurosurgery and Reconstructive  
Peripheral Nerve Surgery Memorial Hermann Health  
System Department of Neurosurgery University of Texas)
- 13:35-13:45 Lecture 2-3 Lumbar spinal stenosis and clinical anatomy of the lumbar**  
Ayhan Comert (Ankara University Faculty of Medicine  
Department of Anatomy)
- 13:45-13:55 Lecture 2-4 Endoscopic Endonasal/Transoral Approach For Basilar**  
Tatsushi Inoue (Department of Neurosurgery,  
Fujita Health University, Toyoake, Japan)
- 13:55-14:05 Lecture 2-5 Chimney laminoplasty for degenerative lumbar spinal stenosis**  
Jwo-Luen Pao (Far-Eastern Memorial Hospital, New Taipei City, Taiwan Institute of  
Biomedical Engineering, National Taiwan University, Taipei, Taiwan)
- 14:05-14:15 Lecture 2-6 Per-cutaneous Endoscopic Lumbar Disc Surgery**  
Muhammad Tariq Sohail (Fellow Pakistan Academy of Medical Sciences)
- 14:15-14:25 Lecture 2-7 Three techniques for further minimally invasive lumbar spinal stenosis surgery**  
Motohide Shibayama (Aichi spine Institute)
- 14:25-14:40 Coffee Break**
- 14:40-15:50 Lecture 3**  
Chair: Dr. Yasushi Miura, Dr. Aloysius Bambang Darwono
- 14:40-14:50 Lecture 3-1 Posterior vertebral column resection for severe spinal deformities in South Africa**  
Sallehuddin Abdullah (Hospital PUSRAWI - ( Pusat Rawatan Islam ) - Malaysia)
- 14:50-15:00 Lecture 3-2 New Classification of Lumbar Degeneration based on 3 Columns Theory**  
Aloysius Bambang Darwono (Head of Orthopaedic Section of Pluit Hospital ,  
Jl. Raya Pluit Selatan, Jakarta Utara)
- 15:00-15:10 Lecture 3-3 Transforaminal endoscopic(TFE) lumbar stenotic decompression and percutaneous Cageless bone graft transforaminal lumbar interbody Fusion(TLIF).**  
Ajay Krishnan (Stavya Spine Hospital and research)
- 15:10-15:20 Lecture 3-4 A Comparison of the Clinical Outcomes of Coflex Interlaminar Stabilization versus Instrumented Fusion in Single-Level Lumbar Spinal Stenosis**  
Jung-Keun Suh (Spine Center, Chung Dahm Cham TnTn Hospital, Seoul, Korea)
- 15:20-15:30 Lecture 3-5 The Concept of MISS & Interlaminar Dynamic Stabilization in Lumbar Degenetarive Cascade**  
Aloysius Bambang Darwono (Head of Orthopaedic Section of Pluit Hospital ,  
Jl. Raya Pluit Selatan, Jakarta Utara)
- 15:30-15:40 Lecture 3-6 Comparison the results of percutaneous endoscopic lumbar decompression versus MISS + dynamic stabilization devices in lumbar disc disorder and stenosis**  
Shing-Sheng Wu (Department of Orthopaedic Surgery Min-Sheng General Hospital)

- 15:40-15:50 Lecture 3-7 Clinical Outcome of Interspinous Device (DIAM ®) for Lumbar Spinal Stenosis**  
Cho Kyoung Suok (Dept. of Neurosurgery, Uijeongbu St. Mary's Hospital)
- 15:50-16:00 Coffee Break**
- 16:00-17:20 Lecture 4**  
Chair: Dr. Motohide Shibayama, Dr. Jun-Ho-Lee
- 16:00-16:10 Lecture 4-1 Full Endoscopic Transforaminal Decompression Of lumbar Foraminal Stenosis 3 video cases**  
Tarik Yazar (Department of Orthopaedics University of Ankara)
- 16:10-16:20 Lecture 4-2 Endoscopic lumbar foraminotomy and lateral recess decompression: a surgical video demonstration**  
Jun-Ho Lee (Spine Health Wooridul Hospital, Seoul, South Korea)
- 16:20-16:30 Lecture 4-3 Transforaminal Decompression and Foraminoplasty on Severe spinal Stenosis of elders**  
Tolgay Satana (Avrupa Safak Hospital Istanbul and International Hospital)
- 16:30-16:40 Lecture 4-4 Interlaminar Full-endoscopic discectomy at the L4-L5 would become standard methods ?**  
Junichiro Nakamura (Kawasakisaiwai hospital, Sangenjyayadaichi hospital)
- 16:40-16:50 Lecture 4-5 Practical use of TransForaminal approach in Percutaneous Endoscopic Lumbar surgeries with preoperative 3D CT/MRI fusion imaging**  
Yoshinori Kyoh (Kyoh Orthopaedics & Neurosurgery Clinic)
- 16:50-17:00 Lecture 4-6 The effectiveness of percutaneous endoscopic discectomy by outside-in technique for chronic lumbar discogenic pain with high intensity zone lesion**  
Keng-Chang Liu (Buddist Dalin Tzu-Chi General Hospital)
- 17:00-17:10 Lecture 4-7 Strategy of percutaneous endoscopic lumbar decompression**  
Huang Yi Hung (Chia Yi Christian Hospital, Chia Non University of Pharmacy and Science)
- 17:10-17:20 Lecture 4-8**  
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- 17:20-17:30 Live Surgery** Live surgery Live surgery Post-operative Report
- 17:30 Closing Ceremony**