WCMISST Final Program

Pre Congress Day: May 31st (Monday)

Exhibitor Set-up

Early Registration

Faculty and Moderator Registration Conference guidelines instructions to be issued

Pre Congress Cadaver Workshop in Hotel: PELD, PECD, Disc FX

Sponsor: Richard Wolf and Elliquence

Hands on limited to 30 (suggest pre-registration on internet)

Faculty: Anthony Yeung (SED, Endoscopic Dorsal Rhizotomy), Gun Choi, June Ho Lee, Won Chul Choi, and others TBA

Pre-registration for Hands on $500.00 USD

Audit: (unlimited) Lectures, Cadaver demonstration via video feed adjacent room $50.00 USD (May register on site)

6:00 PM Faculty and Moderator Meeting for Program instructions (TBA)

Day 1: June 1st (Tuesday)

7:00 - 8:00 Registration

7:00 - 8:00 Continental Breakfast

8:00 - 8:20 Opening remarks

Anthony T. Yeung (5 min)

Gun Choi (5 min)

Daniel Gastambide (5 min)

Sang-Ho Lee (5 min)
8:20 - 9:55 Presidential Speaker Session 1

Moderators Anthony Yeung / Choll Kim

1) Review of Spine Surgery and the Evolving Role of MIS - Hansen Yuan (30min)
2) The Recent Development of MIS in Wooridul Hospital - Sang-Ho Lee (15min)
3) The Current Medical Status in Beijing: 306 and Yanda Project - Dei Wei Zou (10min)
4) How the Brazilian Spine Society is working for the Sustained Development of MIS Spine Surgery - Pil Sun Choi (15min)
5) Preparing for the MIS Tipping Point: The SMISS Education Program and Prospective Registry - Choll Kim (15min)

Questions (10min)

9:55 - 10:25 State of the Art of MIS in North, Central and South America

1) James Schwender - President SMISS (5min)
2) Roberto Cantu - President Mexico (5min)
3) Jorge Ramirez / Jose Rugeles - President Columbia (5min)
4) Nicolas Prada – Clemi Development of a minimally invasive surgery center (5min)

Questions (10min)

10:25 - 10:55 Coffee Break

10:55 - 12:00 Presidential Speaker Session 2

Moderator: Sang Ho Lee/Anthony Yeung

1) The Evolution of Degenerative Spinal Disorders - Wolfgang Rauschning (20 min)
2) Patho-physiology of Disc Degeneration: A State of the Art - Alex Hadjipavlou (20min)
3) The Role of Biologics in the MIS Treatment of Spinal Conditions - Stephen Hochschuler (20min)

Questions (5min)
12:00 - 13:00 Lunch Seminar: Walter Eisner and Mark DuVal

What we can expect from the FDA over the next year?
The effect on Innovative Minimally Invasive Surgery

13:00 - 13:50 Scientific Session 1: Imaging for MIS and Pain

Moderator: Daniel Farkas

1) Big Hit for Miss: Better Image Guidance via Heightened Imaging Technology - Daniel Farkas (10min)

2) A Video Telescope Operating Monitor (VTOM) System for Spine Surgery: Early results - Siddique Khawar (10min)

3) Imaging Informatics beyond Radiology: A Multi-Media Electronic Patient Record System for Image Assisted Minimally Invasive Spinal Surgery - Brent J Liu (10min)

4) Imaging Chemical Signatures of Back Pain - David Bradford (10min)

5) Dynamic weight bearing / positional imaging research and applications - Sana Khan

13:50 - 14:50 Discogenic Pain Moderators: Chris Yeung/Tom Hoogland

Lumbar Pain Generators: The Pathologist’s Perspective - Wolfgang Rauschning (15min)

Free Paper Session 1: Discogenic Pain

1) Intradiscal Therapy for Discogenic Pain - Anthony Yeung (6min)

2) A New Combination: Radiofrequency, Annulus Decompression and Mechanical Nuclectomy: 2 years results - Stephan Hellinger (6min)

3) Radiofrequency Ablation of a Novel Target for Treatment of Chronic LBP - Christopher Yeung (6min)

4) Thermal Effect of Radiofrequency on Intervertebral Disc - Jaime Andres Barrett Perea (6min)

5) Endoscopic Transforaminal Discoplasty in Degenerative and Resistant Low Back Pain - Thomas Hoogland (6min)
6) Our Experience with Nucleoplasty: Results and indications - Stephanos Picas (6min)

Questions (9min)


Moderators Choll Kim / Steve Hochschuler

1) Interventional Techniques for Low-Back Pain - Elvan Erhan (6min)

2) Repeat Radiofrequency Facet Joint Denervation for Chronic Low Back Pain - Eugene Wong (6min)

3) Dorsal Endoscopic Rhizotomy for Non Discogenic Axial Back Pain - Yinggang Zheng (6min)

Questions (7min)

15:25 - 15:55 Coffee Break

15:55 - 17:30 Free Paper Session 3 : PELD

Moderators Gun Choi/ Eduardo Barreto

1) Contralateral Approach for Lumbar Disc Herniation - Special Technique for Specific Condition - Jae Joon Lee (10min)

2) How Minimal must We be? - Stephanos Pichas (6min)

3) Full Endoscopic Interlaminar and Extraforaminal Operation - Patrick Hahn (6min)

4) Endoscopic Transforaminal Discetomy (ETD) - Thomas Hoogland (6min)

5) High Migrated Disc Herniation - Gun Choi (6min)

6) Endoscopic Transforaminal Disectomy for Recurrent Lumbar Disc Herniation - Thomas Hoogland (6min)

7) Endoscopic Assisted Nucleotomy - Frank Haberstroh (6min)

8) Hydrodiscectomy: a Novel Decompressive Percutaneous Approach for Nerve Root Decompression due to DDD - Eduardo Barreto (6min)
9) Juxtafacet Cysts: Case Report and Literature Review - Satish Gore (6min)

10) PELD and Piriformis Syndrome - Kyung - Hoon Kim (6min)

11) High Grade Down Migrated L4-L5 Gernia; PE Interlaminar Approach Through L5S1 - Nicholas Prada (6min)

12) Improvement through Analysis of Unsuccessful Percutaneous Endoscopy Cases - Fujio Ito (Japan) (6min)

13) Analysis of Residual Symptoms in 11 Endoscopically treated Disc Herniations not Classified as Poor Results - Satish Gore(India) (6min)

Questions (10min)

17:30 Adjorn

Opening Reception TBA

Day 2 : June 2nd (Wednesday) Anthony Yeung

7:00 - 8:00 Breakfast Seminar : Sponsored by Elliquence

1) Evolution of Selective Endoscopic Discectomy for Discogenic Pain Using a Flexible 4MHZ Bipolar Radiofrequency - Anthony Yeung

2) Development of a 3-in-1 Percutaneous Fluoroscopic Guided Technique for Discogenic Pain - Stephan Hellinger

3) Two years Results of Disc FX - Stephan Hellinger

8:00 - 8:30 State of the Art of MIS in Asia and Europe

Moderator Dan Gastambide / Satish Gore

1) Fujio Ito Japan (5)

2) Satish Gore India (5)

3) Dei wei Zou - China (5)

4) Daniel Gastambide - France- Europe (5min)
5) Ricardo Ruiz-Lopez – Spain - Europe (5min)

6) Tarik Yazar - President ICMISS Ankara, Turkey (5min)

**8: 30 - 9:30 Interventional Pain Management**

*Moderator: Tom Apostle*

1) Complications of Spinal Injections - Chris Zarembinski (10min)

2) Patient Outcomes: How Can They Be Assessed and Applied to Clinical Practice? - Tom Apostle (10min)

3) Surgeon Interactions with Pain Management Physicians and Effects on Patient Care - Pable Pazmino (10min)

4) Hematologic Issues for Interventional Pain Management - Nicholas Fuller (10min)

5) Discography - Intradiscal Pain Solutions - Richard Derby (10min)

*Questions (10)*

**9:30 - 10:00 Coffee Break**

**10:00 - 11:00 Scientific Session 2 : Spinal Stenosis I**

*Moderators: Rudolph Morganstern / Carl Laressyn*

1) Lumbar Spinal Stenosis: Pathoanatomic Guidance for Tissue Sparing Approaches - Wolfgang Rauschning (10min)

2) MIS Decompression (Boxano) - Carl Laressyn (6min)

3) Surgifile: An Innovation Automated Tool for Central and Lateral Recess Decompression - Murat Cosar (6min)

4) Lumbar Foraminal Stenosis Surgery with Foraminoplasty under Direct Endoscopic Vision - Rudolph Morgenstern (6min)

5) Bilateral Spinal Decompression of Lumbar Central Stenosis - Patrick Hahn (6min)

6) Multilevel Foraminotomy MISS - Robert Saftic (6min)
7) Endoscopically Assisted MED Decompression for Lumbar Spinal Stenosis - Kai Uwe Lewandrowski (6min)

8) Clinical Application of Posterior Para-median Approach in Low Back Surgeries - Dei Wei Zou (10min)

Questions (4min)

11:00 - 11:30 Moderators Anthony Yeung / Yinggang Zheng

1) Controversies in Spinal Infection - Alex Hadjipavlou (20min)

2) Infectious Spondylodiscitis Treated by Endoscopic Debridement - Manabu Ito (6min)

Questions (4min)

11:30 - 12:15 Free Paper Session 4 : MIS Philosophy and MIS Clinical Studies

1) Minimally Invasive Spine Surgery - Dong Yeob Lee (5min)

2) A New Technique; Safe for the Patient, Easier for the Surgeon and More Economical for the Society - Sayed Rezian (5min)

3) MRI & Stadiometric Assessment of the Lumbar Discs after Sitting & Chair - Jerome Fryer (5min)

4) Is Percutaneous Endoscopic Lumbar Discectomy showing Less Invasive Procedure than Open Discectomy? - Shao Keh Hsu (5min)

5) MISS Results Assessment which Disability Scale to use? - Stephanos Pichas (5min)

6) MISS and Small Sample Statistics - Stephano Pichas (5min)

7) Challenges of the Endoscopic Nucleotomy - Oscar Requena Suarez (5min)

Questions (10min)

12:15 - 13:30 Lunch / Industrial Workshops / Cadaver Workshops in Hotel
Moderators Steve Hochschuler / Rudolph Morganstern

13:30 - 13:45 The Case for Motion Preservation: Antonio Castelvi (15min)

13:45 - 14:55 Scientific Session 3 : Spinal Stenosis / Dynamic Stabilization

1) Decompression Alone for Spinal Stenosis - Ho Kyun Ha (10min)

2) Gel fx: A Hydrogel Intraspinous Device for MIS Dynamic Stabilization following MIS Decompression for Mild to Moderate Spinal Stenosis - Carl Lauressyn (3min)

3) X-STOP in Degenerative Lumbar Spondylolisthesis - Rayshad Ostory (6min)

4) Feasability Study for X-Stop for Claudication in Developing Nations - Emili Nosova (4min)

5) Outcome versus Age: a Retrospective Patient Chart Review after X-STOP - Emili Nosova (4min)

6) Percutaneous Lumbar Interspinous Spacer for lumbar spinal stenosis preliminary result - Won Chul Choi (6min)

7) Interspinoeous Distraction and Stabilization with the Superion Implant for Effective Minimally Invasive Treatment of Moderate Spinal Stenosis - Stephan Hellinger (6min)

8) Interspinous Spacers and Minimally Invasive Spine Surgery - Jose Rugeles (6min)

9) First Results with Percutaneous Lumbar Spine Implants- Dynabolt - Rudolph Morgenstern (6min)

10) Full Percutaneous Fusion and Dynamic Stabilization - Stephan Hellinger (6min)

11) Minimally Invasive Treatment of Lumbar Spondylolisthesis; New Technique - Braulio Hernandez (4min)

12) Interspinous Locker Fixation - Dong Yeob Lee (5min)

Questions (4min)

14:55 - 15:35 Scientific Session 4 : SI Joint dysfunction

Moderator Steve Garfin

1) SI Joint Pain / Dysfunction - Steve Garfin (10min)
2) SI Bone and Fusion Rods - Mark Reiley (10min)

3) Cage Fusion - John Stark (10min)

Questions (10min)

15:35 - 16:05 Coffee break

16:05 - 16:45 Free Paper Session 5 : Vertebralplasty / Kyphoplasty

Moderators  Steve Garfin / Mark Reiley

1) Comparison of Osteoporotic Vertebal Fracture with or without Involvement of the Posterior Edge Treated with Kyphoplasty - Antonio Krger (5min)

2) Balloon Kyphoplasty - Christian Alexander Khne (5min)

3) Clinical Applications of Percutaneous Vertebroplasty in Osteoporotic Fractures - Zhong-Liang Deng (5min)

4) Higher Incidence for Adjacent Vertebral Fractures following Vertebroplasty and Kyphoplasty - Fact or Fiction? - Christopher Bliemel (5min)

5) Our Experience with over 100 Levels of Kyphoplasty - Stephanos Pichas (5min)

6) Vertebral Height Restoration - Stephanos Pichas (5min)

Questions (10min)

16:45 - 17:20 Free Paper Session 6 : Vertebralplasty / Kyphoplasty : Effects / Risks

1) Cement Interdigititation and Bone Cement Interface - Ludwig Oberkiercher (5min)

2) Effect of Cementing on Pulmonary Arterial Pressure in Vertebroplasty - Cagatay Ozturk (5min)

3) Effect of Mechanical Aspiration of the Vertebral Body before Vertebroplasty - Cagatay Ozturk (5min)

4) Is it really Low Pressure Injection of PMMA in Percutaneous Kyphoplasty? - Zhong Liang Deng (5min)
5) Risk and Treatment Options of Pulmonary Cement Embolization during Vertebro or Kyphoplasty - Christian Alexander Khne (5min)

Questions (10min)

17:20 Adjourn

Day 3 : June 3rd (Thursday)

7:00 - 8:00 Breakfast Seminar Moderator Anthony Yeung/ Doug Wardlaw

1) Review of Chymopapain as a Level I EBM MIS Technique - Gunnar Anderson / Anthony Yeung

2) 25 Year long Term Follow up of Chemonucleolysis - Doug Wardlaw

3) Update on Chymopapain - Tom Davidson

4) Post Humus Tribute to Mike Hurd - Linda Hurd

8:00 - 8:10 Scientific Session 5 - Cervical spine

Moderators: Daniel Gastambide, Patrick Hahn

Surgical Safeguards and Pitfalls in the cervical spine - Wolfgang Rauschniing (10min)

8:10 - 9:15 Free Paper Session 7 - Cervical Spine

1) Anterior Cervical Foraminotomy for Cervical Radiculopathy - Woo Kyung Kim (10min)

2) Cervical Percutaneous Nucleotomy - Thomas Hoogland (5min)

3) Operation of Cervical Disc Herniations with Full Endoscopic Posterior Foraminotomy; Prospective Comparison to ACDF - Patrick Hahn (5min)

4) Percutaneous Ozone Disectomy for Cervical Disc Prolapse - Vijay Sheel Kumar (5min)

5) Anterior Endoscopic Cervical Foraminoplasty - Kai-Xuan Liu (5min)

6) PECD for Cervical Radiculopathy - Won Chul Choi (5min)

7) Transcorporeal Tunnel Approach for Unilateral Cervical Radiculopathy (2 years FU) - Nicolas Prada (5min)
8) Indication of the Percutaneous Cervical Disc Decompression (PCD) - Tolgay Santana (5min)

9) The Clinical and Radiological Changes after Percutaneous Endoscopic Cervical Discectomy: a Minimum 3 year follow-up - June Ho Lee (5min)

10) Cervical Disc Replacement in the Treatment of Cervical Myelopathy: A report on 12 Cases using a New Implant - Federic Jacquot (5min)

Questions (10 min)

9:15 - 10:15 Scientific Session 6 - MIS Fusion

Moderators Neel Anand / Larry Khoo

1) How to Negotiate the Pedicle without Inflicting Tissue Damage - Wolfgang Rauschning (10min)

2) Review of MIS Fusion Techniques - Larry Khoo (15min)

3) MIS Spondylolisthesis Techniques in Lumbar Fusion - Daniel Kim (15min)

4) MIS Fusion for Deformity - Neel Anand (10min)

Questions (10min)

10:15 - 11:00 Free Paper Session 8 : MIS Fusion I

Moderators: Larry Khoo, Ali Araghi

1) Early Clinical Experience of the Interfuse Interbody Implant – Fusion with Confidence – Maximum Footprint, Minimum Aperture – Ali Araghi (10min)

2) Endoscopically Checked Transpedicular Screw Insertion - Tarik Yazar (5min)

3) Intraosseous Ultrasound (IOUS) for Intra-operative Control of Pedicle Screw Position - Sven Kantelhart (5min)

4) Comparison of Robot Assisted and Percutaneous Pedicle Screw Placement - Sven Kantelhart (5min)

5) Biomechanical and Fatigue Properties of Percutaneous Transpedicular-Transdiscal Fixation Accompanied by Facet Screw Fixation in the Lumbar - Isador Lieberman (5min)

6) Cobb Angle Electronic Measure: a Simple Device - Federic Jaquot (5min)

Questions (10min)
11:00 - 11:30 Coffee Break

11:30 - 12:45 Free Paper Session 9 : MIS Fusion II

Moderators  Justin Field / Isador Lieberman

1) Robotic Surgery in MIS spine - Isador Lieberman (5min)

2) MIS in the Treatment of Idiopathic Scoliosis; A New Concept - Cornelius Wimmer (5min)

3) Percutaneous Short Fixation vs Conservative Treatment - Nicola Marotta (5min)

4) Pe-TLIF, Uni or Biportal? - Daniel Gastambide (5min)

5) Minimal vs Standard Posterior Lumbar Fusion, Minimal Invasive - Stephanos Pichas (5min)

6) Decompression and I-Lif Spinous Process Stabilization / Fusion - Justin Field (5min)

7) MIS Fusion using Ouroboros™, a Novel Annular Ring Containment Device - Tom Raley (5min)

8) Mini-invasive Instrumental Transforaminal Interbody Fusion (TLIF) - Peter Vanek (5min)

9) Restoring Sagittal Balance in Minimal Invasive Posterior Spinal Fusion - Stephanos Pichas (5min)

10) Percutaneous Pedicle Screw Fixation in Treatment of Traumatic Vertebral Thoraco-lumbar Fracture: Analysis of 90 Cases - L Proietti  (5min)

11) Spine Lumbar Fusion with Minimally Invasive Screws (Stryker) - Alvaro Dowling (5min)

12) New Endoscopic Percutaneous TLIF with Silverbolt™ Screw Fixation - Rudolph Morgenstern (5min)

13) New Material for Spinal Fusion: Composite Demineralized Bone Matrix and Silane Modified Gelatin - Bosun Kwon (5min)

Questions (10min)

12:45 - 14:00 Lunch Break on your own
14:00 - 14:45 Scientific Session 7 : Complications and Avoidance

Moderators Chris Meredith / Isador Lieberman

1) Complications of Minimally Invasive Spine Surgery (MISS) - Christopher Meredith (6min)

2) Study design: SCS in 60 FBSS - Eduardo Barretto (8min)

3) Complications in MIS Spine Surgery - Isador Lieberman (10min)

4) Anomalous Anatomy in the Foramen: An Unavoidable Risk for Dysesthesia in Foraminal Surgery - Anthony Yeung (10min)

Questions (11min)

14:45 - 15:50 Free Paper Session 10 : MIS Trauma and Neoplasm

Moderators Dan Kim/ Patrick Johnson

1) Mini Thoracotomy Trans Diaphragmatic Approaches to Thoracolumbar Junction for Tumor / Trauma - Daniel Kim (15min)

2) Minimally Invasive Approach for Metastatic Spinal Tumor – Masataka Sakane (10min)

3) New Minimal Invasive Techniques in the Treatment of Intramedullary Pathologies - Peter Banczerowski (5min)

4) Application of Sodium Ibandronate in Recurrent Giant Cell Tumors - Wei Zhang (5min)

5) Axial Puncture Approach for Percutaneous Sacroplasty - Zhong-Linag Deng (5min)

6) Excision of Osteiod Osteoma inside the Femur by a Foraminal Endoscope: a Case Report - Alkrad Abdulrahman (5min)

7) Initial Results with Anterior TDR with ‘Activ L’ in Rio De Janeiro - Eduardo Barretto (10min)

Questions (10min)

15:50 - 16:00 Fellowship Training in Spinal Surgery - J. Patrick Johnson (10min)
16:00 - 17:00 Executive Committee Meeting

1) WCMISST / IITS Committee Reports
2) Election of new officers

Day 4: June 4th (Friday)

9:00 - 12:00 Farewell Awards Breakfast

1. Awards
1) Best clinical Presentation
2) Best Basic Science Presentation
3) Best Poster

2. Announcement
1) Meeting Announcement of WCMISST III, 2012
2) Meeting Announcement of IITS, 2011
3) Announcement of new officers of WCMISST

Poster Presentations

1) Characterization of scaffold carriers for BMP9 in spine fusion - Zhong-Liang Deng
2) Insulin-like Growth Factor 2 potentiates BMP9-induced osteogenic differentiation of stem cells and bone formation - Zhong-Liang Deng
3) Application of minimally invasive para-rector muscle of spine approach - Zhong Lian Deng
4) Fractures secondary to osteoporosis - Mehmet Ali Deveci
5) Minimal Cervical laminoforaminotomy with preserving lateral mass - Jae Chil Chang
6) Percutaneous Laser Disc Decompression: our experience with usage of the Diode Laser - Robert Saftic
7) A Rational Approach to Endoscopic Foraminal Surgery - A Yeung, C Yeung
8) Complication risks of the Foraminal endoscopic Approach to the Lumbar Spine - A Yeung, C Yeung

9) Dorsal Endoscopic Rhizotomy for Non-discogenic axial Back Pain - A Yeung, C Yeung

10) In-vivo visualization of patho-anatomy in Foraminal Endoscopic Lumbar Surgery - A Yeung, C Yeung


12) Radiation to Surgeon’s Hands Wearing and Not Wearing Lead Gloves - A Yeung, Y Zheng

13) The role of discography in endoscopic discectomy - A Yeung, Walter Bini

14) Selective Endoscopic Discectomy - A Yeung

15) The surgical results of SED™ on workman’s comp patients - Shaun Wei, A Yeung

16) Neudisc Lumbar Nucleus replacement - A Yeung, James Yue, Ann Prewett