DAILY PROGRAMME

DAY 1 – 2ND AUGUST 2019 [FRIDAY]

0700 - 0800  MEET-THE-EXPERTS : Case Discussion – Deformity and Degenerative Spine Disease
Moderators : K S Sivananthan, Chris Chan Yin Wei
Expert Panels : Gabriel Liu Ka Po, Fazir Mohamad, Keith Luk Dip Kei, Alaa Azmi Ahmad,
Jose Manuel F Ignacio, Shree Kumar Dinesh

0800 - 0900  SYMPOSIUM 1 : Efficacy and Safety in Spine Surgery
Moderators : Abdul Malik Mohamed Hussein, Sureisen Mariapan

Techniques to Reduce Blood Loss in Spine Surgery (pg 21)
Khoo Eng Hooi

Various Techniques of Lumbar Spine Fusion Surgery (pg 22)
Rohit Kumar Pokharel

Options of Surgical Treatment in PID (pg 23)
Muhammad Tariq Sohail

Safety of Pedicle Screws in Scoliosis Surgery (pg 24)
Kwan Mun Keong

0900 - 0930  PLENARY
Moderator : Sabarul Afian Mokhtar

Creativity in Spine Surgery : Awareness, Persistence and Systematisation (pg 25)
Shoichi Kokubun

0930 - 1000  OPENING CEREMONY

1000 - 1030  COFFEE / TEA

1030 - 1130  MSS PRESIDENTIAL BEST RESEARCH AWARD (Oral Presentations) (pg 70 – pg 76)
Moderators : Ahmad Sabri Omar, Zamzuri Zakaria

Single Stage Posterior Passive Correction (SSPPC) and Fusion in Patients with Congenital Scoliosis (pg 71)
Siti Mariam Abd Gani

Efficiency, Safety and Learning Curve of 3D4K Digital Microscopy in Transtubular Lumbar Microsurgical Decompression Surgery (pg 72)
Mohd Hisam Muhamad Ariffin

Is Degenerative Scoliosis a Risk Factor for Adult Thoracolumbar Spinal Fractures? – A Multi-Racial Asian Patient Review (pg 73)
Tan Jun Hao

Severe Rigid Idiopathic Scoliosis : Single-Staged Posterior Spinal Fusion (PSF) using Pedicle Screw Constructs Without Osteotomies Led to Shorter Operation Duration, Length of Stay and Faster Recovery (pg 74)
Chung Weng Hong
DAY 1 – 2ND AUGUST 2019 [FRIDAY]

1030 - 1130  
Adolescent Idiopathic Scoliosis – Patients’ Perception And Satisfaction on Neck and Shoulder Imbalance  (pg 75)  
Wong Tat Seng
Breast Asymmetry in Adolescent Idiopathic Scoliosis (AIS) Patients with Structural Thoracic Curve – A Computed Tomography (CT) Analysis and Assessment of Patients’ Perception Using Breast-Q Questionnaire  (pg 76)  
Siti Mariam Mohamad

1130 - 1230  
EXPERT FORUM 1: Early Onset Scoliosis (EOS)  
Moderators: Kwan Mun Keong, Tan Boon Beng
CASE PRESENTATION – Early Onset Scoliosis (EOS)  
Chung Weng Hong
Assessment of Paediatric Spine Growth and the DRU Classification  (pg 26)  
Keith Luk Dip Kei
MAGEC Rod for EOS: Our Learning Curve and Experiences  (pg 27)  
Wong Yat Wa
Effectiveness of Growing Devices  (pg 28)  
Arvind Jayaswal
Posterior Tethering Technique in EOS  (pg 29)  
Alaa Azmi Ahmad
CASE PRESENTATION: What was done  
Chung Weng Hong

1230 - 1300  
MINI LUNCH SATELLITE SYMPOSIUM (TRANSMEDIC HEALTHCARE SDN BHD)  
Moderator: Wong Chung Chek
Updates in Anterior Cervical Spine Surgery and Technologies Featuring Prodisc VIVO and STALIF C-TI  
Shree Kumar Dinesh, Colum Patrick Nolan

1300 - 1430  
FRIDAY PRAYERS

1430 - 1530  
SYMPOSIUM 2: Upper Cervical Spine  
Moderators: Foo Choong Hoon, Chiu Chee Kidd
Anatomical and Biomechanical Consideration in Upper Cervical Spine Surgery  (pg 30)  
Kuniyoshi Abumi
Atlanto-axial Rotatory Fixation Caused by Myogelosis of the Cleido-occipital Head of the Sternoceidomastoid Muscle  (pg 31)  
Shoichi Kokubun
DAILY PROGRAMME

DAY 1 – 2ND AUGUST 2019 [FRIDAY]

1430 - 1530  Unstable Odontoid Fracture  (pg 32)
Dharmendra Ganesan
Experience of Anterior Upper Cervical Spine Approaches  (pg 33)
Chung Jae-Yoon

1530 - 1630  EXHIBITION EDUCATION SESSION WITH COFFEE / TEA

1630 - 1730  SYMPOSIUM 3 : Current Concept on Scoliosis
Moderators : Kwan Mun Keong, Abdul Hadi Husin
Aetiology of Adolescent Idiopathic Scoliosis  (pg 34)
Keith Luk Dip Kei
Upper and Lower Instrumented Levels Consideration  (pg 35)
Abdul Malik Mohamed Hussein
Severe Rigid Scoliosis : Role of Staged Procedures  (pg 36)
Arvind Jayaswal
Treatment Approach to Congenital Scoliosis  (pg 37)
Alaa Azmi Ahmad

1730 - 1830  MSS 12TH ANNUAL GENERAL MEETING (MSS Members Only)
DAY 2 – 3RD AUGUST 2019 [SATURDAY]

0700 - 0800  MEET-THE-EXPERTS : Case Discussion – Cervical Spine
Moderators : Abdul Malik Mohamed Hussein, Mohamad Zaki Haji Mohd Amin
Expert Panels : Kuniyoshi Abumi, Shoichi Kokubun, Yasuhiro Tanaka, Abdul Malik Mohamed Hussein, Hiroyuki Nakase, Colum Patrick Nolan

0800 - 0900  SYMPOSIUM 4 : Revision Spine Surgery
Moderators : Mohamad Fauzlie Yusof, Saravanan Shanmugam
Failed Back Surgery Syndrome (FBSS) : An Overview  (pg 38)
Orso Lorenzo Osti
Approach to Lumbar Revision Surgery  (pg 39)
K S Sivananthan
Complications in Revision Spine Surgery  (pg 40)
S Rajasekaran
Issues and Surgical Solution for Previously Fused Spine Deformities  (pg 41)
Kuniyoshi Abumi

0900 - 1000  FREE PAPERS PRESENTATION 1  (pg 77 – pg 90)
Moderators : Zairul Anuar Kamarul Bahrin, Chiu Chee Kidd
Association between the Degree of Radiological Lateral Lumbar Stenosis, Posterior Disc Height and Disc Degeneration with Pain Severity and Disability among Degenerative Lateral Lumbar Spinal Stenosis Patients in HUSM  (pg 78)
Mohd Azwan Ab Aziz
Posterior Upper Cervical Fixation to Bow Hunter Stroke  (pg 79)
Hiroyuki Nakase
Lower Lumbar Segmental Motion – A Correlation of Clinical Symptoms with MRI and Dynamic Radiograph  (pg 80)
Syed Mohd Esmat Hussaini Syed Mohd Ridzuan
Association between Rapid Motor Function Deterioration and Unilateral Facet Destruction in the Patients with Cervical Myelopathy Induced by Degenerative Cervical Disorders – A Case-control Study  (pg 81)
Yasuhiro Takeshima
Intraoperative Neuromonitoring in Unilateral Bi-portal Spine Endoscopy  (pg 82)
Lim Heng Hing
Analysis of a Dual Attending Surgeon Strategy Learning Curve for Adolescent Idiopathic Scoliosis (AIS) Patients with Cobb Angle <90°  (pg 83)
Ch’ng Pei Ying

1000 - 1030  COFFEE / TEA
DAILY PROGRAMME

DAY 2 – 3RD AUGUST 2019 [SATURDAY]

1030 - 1130

EXPERT FORUM 2 : Surgical Site Infection
Moderators : Ed Simor Khan Mor Japar Khan, Chong Chee Seang

CASE PRESENTATION – Surgical Site Infection
Brian Teo

Which Group of Patients are at Risk? (pg 42)
Jose Manuel F Ignacio

Post-instrumentation Infection : How Early Surgical Intervention should be? (pg 43)
Fazir Mohamad

Role of Local Antibiotics in Deep Infection after Instrumentation (pg 44)
Mohd Imran Yusof

Post-surgical Spinal Infections : To Remove or to Retain the Implants? (pg 45)
Orso Lorenzo Osti

CASE PRESENTATION : What was done
Brian Teo

1130 - 1230

EXPERT FORUM 3 : Post-Operative Neurologic Worsening
Moderators : Deepak Ajit Singh, Kamalnizat Ibrahim

CASE PRESENTATION – Post-Operative Neurologic Worsening
Yuki Mihara

Post-Operative Epidural Haematoma Management Strategy
Kantha Rasalingam

Neurological Complications after Scoliosis Surgery (pg 46)
S Rajasekaran

Risk of Neurologic Worsening in Severe Canal Stenosis Post Decompression (pg 47)
Wong Yat Wa

Implant Related Neurological Deficit (pg 48)
Zamzuri Zakaria

CASE PRESENTATION : What was done
Yuki Mihara

1230 - 1330

SYMPOSIUM 5 : Surgeon Burn Out in Spine Surgery
Moderators : Sabarul Afian Mokhtar, Thuraikumar Kanniah

Surgeon Burnout – The Causes and Signs (pg 49)
Saw Lim Beng

Balancing between Career and Family (pg 50)
S Rajasekaran

Preventing Surgeon Burnout (pg 51)
Jose Manuel F Ignacio

Role of Mentors to Prevent Young Surgeon Burnt Out (pg 52)
K S Sivananthan
**DAILY PROGRAMME**

**DAY 2 – 3rd AUGUST 2019 [SATURDAY]**

1330 - 1430  **LUNCH SATELLITE SYMPOSIUM** (SYNERGIC EVOLUTION SDN BHD)
Moderator: Abdul Malik Mohamed Hussein
Bi-portal Endoscopic Spine Surgery (BESS)
Choi Dae-Jung
IntraSPINE
Abdul Rauf Ahmad

1430 - 1530  **FREE PAPERS PRESENTATION 2** (pg 84 – 90)
Moderators: Saravanan Shanmugam, Mohd Khairudin
Assessment of Prognostic Factors Affecting Functional Outcome in Spinal Tuberculosis Patients (pg 85)
Harkeerat Singh
Surgical Learning Curve of a Dual Attending Surgeon Strategy for 105 Severe Adolescent Idiopathic Scoliosis (AIS) Patients with Cobb Angle ≥ 90° (pg 86)
Lee Sin Ying
Does Surgical Approach Affect Outcomes in AIS Patients with 70° or Larger Curves with Less Than 30% Curve Flexibility? (pg 87)
Tan Jun Hao
Bone Morphogenetic Peptide (BMP) versus Strut Graft in Extreme Lateral Interbody Fusion (XLIF) L4/L5 Vertebrae (pg 88)
Shyamala Sivapragasam
Identifying Predictive Factors of Intraoperative Blood Loss for Posterior Spinal Fusion in Adolescent Idiopathic Scoliosis (AIS) Performed by Two Attending Surgeons (pg 89)
Josephine Chandren
Translational V Derotational Correction of Adolescent Idiopathic Scoliosis – A Comparison of Quality of Life (pg 90)
Monica Elizabeth Tanod Rosandi

1530 - 1630  **EXHIBITION EDUCATION SESSION WITH COFFEE / TEA**

1630 - 1730  **SYMPOSIUM 6 : Management of Pain in Spine Surgery**
Moderators: Abdul Halim Yusof, Harwant Singh
Discogenic Pain: Is it a Myth? (pg 53)
Orso Lorenzo Osti
Cervico-Thoracic Radiculopathies Causing Hand Dysfunction (pg 54)
Yasuhsira Tanaka
Epidural Procedure for Pain Management (pg 55)
Lim Heng Hing
Minimally Invasive Disc Procedure (pg 56)
Toh Charng Jeng
DAILY PROGRAMME

DAY 3 – 4TH AUGUST 2019 [SUNDAY]

0700 - 0800

MEET-THE-EXPERTS : Case Discussion – Infection and Tumour
Moderators : Azmi Baharudin, Kwan Mun Keong
Expert Panels : Chung Jae-Yoon, Muhammad Tariq Sohail, Wong Yat Wa, K S Sivananthan, Arvind Jayaswal

0800 - 0900

EXPERT FORUM 4 : Spinal Metastasis
Moderators : Nor Azlin Zainal Abidin, Jayamalar Thurairajasingam
CASE PRESENTATION – Spinal Metastasis
Chan Sook Kwan
Role of Spine Metastases Grading System on Decision Making (pg 57)
Gabriel Liu Ka Po
Percutaneous Pedicle Screws in Spine Metastases Surgery (pg 58)
Chris Chan Yin Wei
En Bloc Spondylectomy for Spinal Metastases (pg 59)
Kuniyoshi Abumi
Post-Operative Quality of Life after Surgery for Spinal Metastases
Wong Chung Chek
CASE PRESENTATION : What was done
Chan Sook Kwan

0900 - 0930

COFFEE / TEA

0930 - 1030

SYMPOSIUM 7 : Current Concept on Spine Infection
Moderators : Chooi Yue Seng, Ahmad Norshahrid Zahari
Pyogenic Spondylodiscitis (pg 60)
Rohit Kumar Pokharel
Tuberculosis Spine Update (pg 61)
Muhammad Tariq Sohail
How to Differentiate Pyogenic and TB Spine Infection? (pg 62)
Zairul Anuar Kamarul Bahrain
Deformity Correction in TB Spine (pg 63)
Wong Yat Wa
DAILY PROGRAMME

DAY 3 – 4TH AUGUST 2019 [SUNDAY]

1030 - 1130  SYMPOSIUM 8 : Minimising Complications in Spine Surgery
Moderators : Pan Chee Huan, Zanariah Othman

Importance of Pre-Operative Planning
Azmi Baharudin

Usage of Vancomycin Powder to Prevent Infection (pg 64)
Brian Teo

Biologic Usage to Ensure Fusion in Lumbar Surgery (pg 65)
Gabriel Liu Ka Po

How to Handle Surgical Complications? (pg 66)
Sabarul Afian Mokhtar

1130 - 1300  MEDICO-LEGAL FORUM : OPEN DISCUSSION
Moderators : Sabarul Afian Mokhtar, K Parameshwaran

Medical Indemnity Insurance in Spinal Surgery (pg 67)
Eddie Soo

The Lawyer Point of View on Expert Witness (pg 68)
P S Ranjan

The Medico-legal Aspects of Informed Consent in Spine Surgery (pg 69)
Anit Kaur Randhawa

DISCUSSION

1300 - 1330  CLOSING CEREMONY
AWARD PRESENTATION
LIFE MEMBERS’ CERTIFICATE PRESENTATION
PRESIDENTIAL INAUGURATION
APPRECIATION CEREMONY