



UMC
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Medical Center
Science • Education • Healthcare

APSS ASTANA SPINE MASTER CLASS & OPERATIVE COURSE

30 August to 1 September 2018

**Building of Nazarbayev University School of Medicine
REPUBLIC OF KAZAKHSTAN, ASTANA CITY**

Local Organizing Chairman: Bolat Nagymanov

APSS President: *Dato' K.S. Sivananthan*

Welcome Message



It is our greatest pleasure to welcome you to the ‘**APSS Operative Spine Course**’. This course is designed for young spine surgeons who are keen to consolidate their knowledge on the basic principles for spine surgery. The lecture, saw bone workshops, and live surgery are designed to cover most of the common surgical procedures performed during our daily practice. The aim of this course is to expand and consolidate the understanding on the indications, surgical techniques and pitfalls of spine surgery.

Dato' K.S. Sivananthan
APSS President

APSS Faculty:



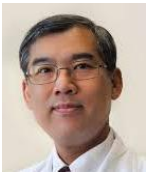
Dr. K.S. Sivananthan (Malaysia)



Dr. Kuniyoshi Abumi (Japan)



Dr. Hee-Kit Wong (Singapore)



Dr. Keith Dip Kei Luk (Hong Kong)



Dr. Gabriel Liu (Singapore)



Dr. Saumyajit Basu (India)

Local Faculty:



Dr. Bolat Nagymanov



Dr. Khanat Mukhametzhanov



Dr. Talgat Kerimbayev



Dr. Talgat Anashev



Dr. Seidaly Abdaliyev

Day 0: Wednesday 29 August 2018

16:00-18:00 Clinical Case Conference to discuss and select cases for live surgery

(For those who can arrive by Wednesday afternoon 29 August)

Please note that the details of operative cases including all imaging should be made available to APSS faculty at least one month before this course.

Day 1: Thursday 30 August

8:00-8:30 Registration

8:30-9:00 Opening speeches:

Chairman of the Board of the Corporate Fund “University Medical Center” – Prof. Zhaksybai Zhumadilov

Director of the National Research Center for Maternal and Child Health of the Corporate Fund “University Medical Center” – Dr. Rassulbek Aipov

Chairman of the Board of the “National Neurosurgery Center” JSC – Prof. Serik Akshulakov

APSS President - (Dr. K S Sivananthan)

Local Organising Chairman - (Dr. Bolat Nagymanov)

9:00-9:30 Presentation & discussion of operative cases (Moderators: Nurbek Nadirov & Gabriel Liu)

Case 1:

Case 2:

9:00-17:00 Live surgery (Moderators: Bolat Nagymanov, Gabriel Liu & Hee-Kit Wong)

9:30-9:45 **TEA BREAK**

9:45-12:30 Paediatric Spinal Deformity 1 (Moderators: Talgat Anashev & Hee-Kit Wong)

When is brace treatment useful? (Keith Dip Kei Luk)

AIS Classification and selection of fusion levels (Hee-Kit Wong)

Curve correction techniques in AIS (Keith Dip Kei Luk)

MIS Options for AIS (Hee-Kit Wong)

Revision surgery in previously fused spinal deformities (Kuniyoshi Abumi)

Avoiding complications in AIS surgery (Saumyajit Basu)

Epidemiology and surgical treatment of scoliosis in the Republic of Kazakhstan (Talgat Anashev)

Discussion

12:30-13:30 **LUNCH**

13:30-14:30 Discussion of clinical cases (Moderators: Talgat Kerimbayev & Keith Dip Kei Luk)

Case 1, Case 2, Case 3

14:30-16:30 Saw Bone Workshop & Video Presentations 1 (Moderator: K S Sivananthan)

Pedicle screw placement in the thoracic spine, lumbosacral spine

Spinal osteotomies

Day 2: Friday 31 August 2018

8:00-8:30 Presentation & discussion of operative cases (Moderators: Bolat Nagymanov & Keith Dip Kei Luk)

Case 1

Case 2

8:30-17:00 Live Surgery (Moderators: Bolat Nagymanov, Keith Dip Kei Luk, and Saumyajit Basu)

8:30-11:30 Paediatric Spinal Deformity 2 (Moderators: Talgat Anashev & Saumyajit Basu)

Congenital scoliosis – How do I manage this group of difficult cases? (Keith Dip Kei Luk)

Surgical Options for Early onset scoliosis (Gabriel Liu)

Management of Rigid Neglected scoliosis (Saumyajit Basu)

Treatment of Congenital Kyphosis in children (Seidaly Abdaliyev)

TEA BREAK

Treatment of Cervical Spine Deformity in Children (Kuniyoshi Abumi)

Management of Spinal Tuberculosis in Children (Saumyajit Basu)

High Grade Spondylolisthesis: Reduction or In-situ Fusion? (Keith Dip Kei Luk)

Surgical correction of idiopathic scoliosis by transpedicular spinal systems in the Republic of Kazakhstan (Bolat Nagymanov)

Discussion

11:30-12:30 Discussion of Clinical Cases (Moderators: Talgat Anashev & Saumyajit Basu)

Case 1, Case 2, Case 3

12:30-13:30 **LUNCH**

Afternoon Session requires a separate room to avoid interference with live surgery transmission

13:30-15:00 Cervical Spine (Moderators: Khanat Mukhametzhanov & Kuniyoshi Abumi)

Cervical Myelopathy – Anterior or Posterior approach? (Gabriel Liu)

Posterior Cervical Decompression and Reconstruction Techniques (Kuniyoshi Abumi)

ACDF or Cervical Disc Arthroplasty for Cervical Degenerative Disease – Which is Better? (K S Sivananthan)

Surgical Treatment of Cervical Spine Conditions in Kazakhstan (Talgat Kerimbayev)

Discussion

15:00-16:30 Saw Bone Workshop & Video Presentations 2: (Moderator: Kuniyoshi Abumi)

Posterior instrumentation of the cervical spine: C1/C2 fusion, lateral mass screws, pedicle screw placement

Day 3: Saturday 1 September 2018

8:30-11:30 Lumbar Spine (Moderators: Talgat Kerimbayev & K S Sivananthan)

Lumbar Spinal Stenosis – When to Decompress and When to Fuse? (Hee-Kit Wong)

Lumbar Fusion and Bone Graft Options (K S Sivananthan)

MIS TLIF – Tips and Tricks (Gabriel Liu)

TLIF using Cortical Trajectory Screws (K S Sivananthan)

TEA BREAK

Current Concepts in the Management of Adult Spinal Deformity (Hee-Kit Wong)

MIS Approaches to the Management of Adult Spinal Deformity (Gabriel Liu)

Sacropelvic fixation (Keith Dip Kei Luk)

Discussion

11:30-12:30 Discussion of Clinical Cases (Moderators: Talgat Anashev & Gabriel Liu)

Case 1, Case 2, Case 3

12:30-13:30 **LUNCH**

13:30-15:30 Spinal Fractures and Tumours (Moderators: Khanat Mukhametzhanov & K S Sivananthan)

Cervical Spine Fractures: Classification and Management Options (Kuniyoshi Abumi)

Decision making in thoracolumbar fractures (Saumyajit Basu)

Transpedicular fixation and rehabilitation in thoracic and lumbar spine injuries (Khanat Mukhametzhanov)

Spinal Metastases: Classification and Decision Making (Gabriel Liu)

MIS Approaches to the Management of Spinal Metastases (Gabriel Liu)

En-Bloc Spondylectomy for Spinal Tumours – How I do it (Kuniyoshi Abumi)

Surgical treatment of the spine tumors (Talgat Kerimbayev)

Discussion

15:30-16:30 Discussion of Clinical Cases (Moderators: Olzhas Bekarysov & Hee-Kit Wong)

Case 1, Case 2, Case 3

16:30-17:00 Closing and Certificate Presentation