Spine Deformity Solutions: A Hands-On Course
From the Scoliosis Research Society & the Spine Society of Thailand
November 1-3, 2019 | Bangkok, Thailand
Siriraj Training and Education Center for Clinical Skill (SiTEC)

FINAL PROGRAM

MEETING OVERVIEW

Meeting Description
The Hands-On Course will provide an opportunity for participants to expand their knowledge and improve their skills through training and discussions with leading spinal deformity surgeons from around the world. Registration is limited to ensure access to faculty, small group interaction for better learning, and opportunities for hands-on work. Nine hours of the course will be devoted to lab work. Topics and lab sessions will cover all areas of the spine and a variety of conditions and techniques.

Learning Outcomes/Objectives
As a result of participating in this activity, participants should be able to:

- Identify appropriate options for cervical and adult deformity reconstruction
- Employ techniques to avoid complications in spinal deformity surgery
- Develop skills in complex cervical deformity correction
- Identify the appropriate indications for the use of spinopelvic instrumentation
- Demonstration skills for the correct placement of spinopelvic instrumentation
- Integrate techniques for posterior and anterior lumbo-sacral deformity corrections
- Demonstrate knowledge and skills for performing basic and complex spinal osteotomies

Course Chairs
Ahmet Alanay, MD
Surin Thanapipatsiri, MD

Course Faculty
Kuniyoshi Abumi, MD
Christopher Ames, MD
Torphong Bunmaprasert, MD
Munish Gupta, MD
Yong Hai, MD
Seung-Jae Hyun, MD, PhD
Mun Keong Kwan, MBBS, MS Orth
Gabriel KP Liu, FRCS (Orth), MSC
Stephen Lewis, MD, MSc, FRCSC
Worawat Limthongkul, MD
Athikom Methathien, MD
Monchai Ruangchainikom, MD
Sirichai Wilartratsami, MD
Hee-Kit Wong, MD
Chung Chek Wong, MD
GENERAL MEETING INFORMATION

Lab - SITEC
Siriraj Training and Education Center for Clinical Skill
Srisavarindira Science Building, 4th Floor,
Faculty of Medicine Siriraj Hospital, Mahidol University
Bangkok, Thailand 10700

Welcome Reception & Fireside Chat Discussions
Friday, November 1, 2019
Reception: 18:00-18:30; Discussions: 18:30-21:00
Siriraj Medical Research Center (SiMR) – 12th Floor

All registered delegates are invited to attend the
Welcome Reception and Fireside Chats on Friday,
November 1. Beverages and a buffet will be served.
The Fireside Chats will immediately follow the
Welcome Reception. Dress is business casual.

Target Audience
Residents, fellows and orthopaedic and neurosurgeons
who have an interest in and are involved in spinal
deformity management and treatment.

Attire
Business casual is appropriate for the Welcome
Reception and Fireside Chats. Casual attire and scrubs
are appropriate for the lecture and lab sessions. Scrubs
and disposables will be provided at the lab.

Cell Phone Protocol
Please ensure that cell phone ringers, pagers and
electronic devices are silenced or turned off during all
presentations.

Language
English is the official language of the course. All
presentations and course materials will be provided in
English.

Smoking Policy
Smoking is not permitted during any meeting activity or
event.

Special Needs
If you have health issues for which you may require
special accommodations, please notify the SRS staff
onsite. We will make every effort to accommodate any
special needs.

Time Zone
Thailand uses Indochina Time (ICT) which is seven (7)
hours ahead of Greenwich Mean Time.

Disclosure of Conflict of Interest
It is the policy of SRS to insure balance, independence,
objectivity and scientific rigor in all of their educational
activities. In accordance with this policy, SRS identifies
conflicts of interest with instructors, content managers
and other individuals who are in a position to control
the content of an activity. Conflicts are resolved by SRS
to ensure that all scientific research referred to,
reported, or used in a CME activity conforms to the
generally accepted standards of experimental design,
data collection and analysis.

Insurance/Liabilities and Disclaimer
SRS will not be held liable for personal injuries or for
loss or damage to property incurred by participants.
Course participants are encouraged to take out
insurance to cover loss incurred in the event of
cancellation, medical expenses or damage to or loss of
personal effects when traveling outside of their own
countries. SRS cannot be held liable for any hindrance
or disruption of course proceedings arising from
natural, political, social or economic events or other
unforeseen incidents beyond its control. Registration of
a participant or guest implies acceptance of this
condition.

The materials presented at this activity are made
available for educational purposes only. The material is
not intended to represent the only, nor necessarily
best, methods or procedures appropriate for the
medical situations discussed, but rather is intended to
present an approach, view, statement or opinion of the
faculty that may be helpful to others who face similar
situations.

SRS disclaims any and all liability for injury or other
damages resulting to any individual attending a
scientific meeting and for all claims that may arise out
of the use of techniques demonstrated therein by such
individuals, whether these claims shall be asserted by a
physician or any other person.
PROGRAM AGENDA

Friday, November 1, 2019

17:00-18:00  Faculty Pre-Course Meeting and Buffet Dinner
Siriraj Medical Research Center Building (SiMR), 12th Floor – Room 4

18:00-18:30  Participant Registration & Welcome Reception (Buffet dinner and beverage available 18:00-20:00)
Siriraj Medical Research Center Building (SiMR), 12th Floor

18:30-21:00  Fireside Chats (3 Concurrent Sessions – Pediatric, Adult & Cervical Spine Deformity)
Theme: Radiographic Evaluation and Planning for Correction of Spinal Deformity
Moderators: Yong Hai, MD; Ahmet Alanay, MD; Christopher Ames, MD and Munish Gupta, MD

18:30-20:00  Pediatric Spine Deformity – Room 1
Case Presenters: Yong Hai, MD (Moderator); Mun Keong Kwan, MBBS, MS Orth; Athikom Methathien, MD; Surin Thanapipatsiri, MD; Chung Chek Wong, MD; Hee-Kit Wong, MD

18:30-20:00  Adult Spine Deformity – Room 2
Case Presenters: Ahmet Alanay, MD (Moderator); Munish C. Gupta, MD; Stephen Lewis, MD, Msc, FRCSC; Worawat Limthongkul, MD; Monchai Ruangchainikom, MD

18:30-20:00  Cervical Spine Deformity – Room 3
Case Presenters: Christopher Ames, MD (Moderator); Kuniyoshi Abumi, MD; Torphong Bunmaprasert, MD; Seung-Jae Hyun, MD, PhD; Sirichai Wilartratsami, MD

20:00-21:00  Group Discussion: Take Home Points from Pediatric, Adult & Cervical Discussions – Hall B
Moderators: Ahmet Alanay, MD and Munish C. Gupta, MD

Saturday, November 2, 2019

Breakfast at Hotel

7:10-7:40  Shuttle to lab – SiTEC, Siriraj Hospital
Srisavarindira Science Building, 4th Floor

7:40-7:45  Welcome

7:45-8:30  Session 1: Thoracolumbar Open and Minimally Invasive Posterior Techniques
Moderator: Seung-Jae Hyun, MD, PhD

7:45-8:00  Fixation of Thoracic, Lumbar, Sacrum and Pelvis (Hooks, Pedicle Screws, Iliac Screws, S2Ala-Ilium Screws Fixation)
Seung-Jae Hyun, MD, PhD

8:00-8:15  Minimally Invasive Stabilization of the Thoracolumbar Spine with Percutaneous Screws and Navigation
Mun Keong Kwan, MBBS, MS Orth

8:15-8:30  Direct Lateral (Trans Psoas) and Oblique Lateral Approach to the Lumbar Spine - Degenerative Condition
Worawat Limthongkul, MD
8:30-8:45  Proceed to lab and change clothes

8:45-10:15  Lab 1, Rotation 1 – 10 Stations (5 Cadavers Prone, 5 Cadavers Lateral)

  Group 1  Lab 1A: 5 Stations, Cadavers Prone, Without C-arm (Room B)
  Thoracic-Lumbar-Ilium; Insertion of Hooks & Pedicle Screws; Sacro-Pelvic Fixation;
  S2Ala-Ilium Screws. Open, anatomy based (*left side of the spine only*)

  Group 2  Lab 1B: 5 Stations, Cadavers Lateral Decubitus with C-arm (Room A)
  Lateral Lumbar Approach (from *left* side), Interbody Fusion (L1-L2-L3)
  (Each group does two discs in the upper lumbar spine)

10:15-10:45  Refreshment Break

10:45-12:15  Lab 1, Rotation 2 – 10 Stations (5 Cadavers Prone, 5 Cadavers Lateral)

  Group 1  Lab 1B: 5 Stations, Cadavers Lateral Decubitus with C-arm (Room A)
  Lateral Lumbar Approach (from *right* side), Interbody Fusion (L3-L4-L5)
  (Each group does two discs in the lower lumbar spine)

  Group 2  Lab 1A: 5 Stations, Cadavers Prone, Without C-arm (Room B)
  Thoracic-Lumbar-Ilium; Insertion of Hooks & Pedicle Screws; Sacro-Pelvic Fixation;
  S2Ala-Ilium Screws. Open, anatomy based (*right side of the spine only*)

12:15-13:00  Lunch & Introduction to SRS (lab staff to turn all cadavers to prone position)
  Ahmet Alanay, MD

13:00-14:00  Session 2: Osteotomies and Pelvic Fixation
  *Moderator: Yong Hai, MD*

  13:00-13:15  Posterior Column Osteotomies Including Wide Release Ponte & Smith-Peterson
  Osteotomy
  Yong Hai, MD

  13:15-13:30  Pedicle Subtraction Osteotomy
  Athikom Methathien, MD

  13:30-13:45  Vertebral Column Resection (VCR)
  Stephen Lewis, MD, MSc, FRCSC

  13:45-14:00  Complications of Osteotomies
  Sirichai Wilartratsami, MD

14:00-14:15  Proceed to lab

14:15-16:45  Lab 2 – 10 Stations (All Cadavers Prone)
  Posterior Column Osteotomies, Ponte multiple levels between L1-L5, Smith-Peterson Osteotomy (SPO),
  Pedicle Subtraction Osteotomy (PSO) in the Lumbar Spine (Osteotomy at L3) and Vertebral Column
  Resection (VCR) of the Thoracic Spine (at T9). *Participants share left/right side.*

16:45-17:00  Change Clothes (lab staff to turn all cadavers to supine position)

17:00-17:30  Open Question & Answer

17:30-18:00  Shuttle provided to the Peninsula Hotel
### Sunday, November 3, 2019

**Breakfast at Hotel**

7:10-7:40  
Shuttle to SiTEC

7:40-7:45  
Welcome

7:45-8:45  
**Session 3: Cervical Deformity**  
*Moderator: Monchai Ruangchainikom, MD*

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| 7:45-8:00 | Anterior Cervical Discectomies and Corpectomies - Indications, Approach and Execution  
*Monchai Ruangchainikom, MD* |
| 8:00-8:15 | Occipital and Cervical Fixation with Cervical Pedicle Screws and Lateral Mass Screws - Indications, Approach and Execution  
*Torphong Bunmaprasert, MD* |
| 8:15-8:30 | Planning and Execution for Cervical Osteotomies  
*Kuniyoshi Abumi, MD* |
| 8:30-8:45 | Complications of the Cervical Spine  
*Christopher Ames, MD* |

8:45-9:00  
Proceed to lab and change clothes

9:00-10:00  
Lab 3A - 10 stations (All Cadavers Supine)  
Anterior Approaches to the Cervical Spine and Cervicothoracic Junction

10:00-10:30  
Refreshment Break (lab staff to turn cadavers to prone position)

10:30-12:15  
Lab 3B – 10 Stations (All Cadavers Prone)  
Posterior Cervical Reconstruction from Occipital to T2 Deformity and Correction Techniques - C7 PSO

12:15-12:45  
Lunch and Introduction to the Spine Society of Thailand (lab staff to turn cadavers to lateral position)  
*Charoen Chotigavanich, MD*

12:45-14:15  
**Session 4: Anterior and Lateral Approach – Thoracic & Lumbar Spine**  
*Moderator: Hee-Kit Wong, MD*

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| 12:45-13:00 | Anterior Spinal Surgery for Scoliosis Overview  
*Hee-Kit Wong, MD* |
| 13:00-13:15 | Anterior Transpleural Thoracic Approaches - Deformity, Tumor, Trauma; Lateral Thoracolumbar- Lumbar Retroperitoneal Approach for Anterior Column Reconstruction and Release  
*Gabriel Liu, MD* |
| 13:15-13:30 | Anterior Techniques with Anterior Lumbar Interbody Fusion, Retroperitoneal Anterior Approach to L5-S1, L4-L5 and L3-L4  
*Chung Chek Wong, MD* |

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13:30-13:45  Complications of Anterior and Lateral Surgery: How to Deal with Them  
*Christopher Ames, MD*

13:45-14:00  How to Maximize Efficiency/Reduce Complication Rates  
*Ahmet Alanay, MD*

14:00-14:15  Revision Surgery for ASD: Pre-Operative Planning and Surgical Techniques  
*Munish C. Gupta, MD*

14:15-14:30  Proceed to lab

14:30-15:45  Lab 4 - 10 Stations (All Cadavers Lateral then Supine)  
Anterior Thoracic Transpleural Approach (Mid-Thoracic); Anterior Lumbosacral Retroperitoneal Approach + ALIF L5-S1 & Exposure L4-L5

15:45-16:00  Change clothes

16:00-16:30  Open Question & Answer Wrap Up Session  
*Ahmet Alanay, MD*

16:30  Adjourn. Shuttle provided to the Peninsula Hotel.
CORPORATE SUPPORT

We are pleased to acknowledge and thank the companies that provided financial and in-kind support to SRS for this Hands-On Course. These companies provided educational grants to support costs for facility rental, cadavers and other course expenses as well as necessary instrumentation and implants for the hands-on lab sessions.

DePuy Synthes
Globus Medical
L&K Biomed
Medtronic
NuVasive
WeGo

FUTURE SRS MEETINGS

Current Concepts in Spine Deformity
December 13-14, 2019 – Tokyo, Japan

Spine Deformity Solutions: A Hands-On Course
June 17-19, 2020 – Nijmegen, the Netherlands
November 12-14, 2020 – Singapore, Singapore

International Meeting on Advanced Spine Techniques (IMAST)
27th IMAST
April 1-4, 2020 – Athens, Greece

Annual Meeting
55th Annual Meeting
September 9-12, 2020 – Phoenix, Arizona

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