

11th Spine Deformity Solutions: A Hands-On Course

From the Scoliosis Research Society & Asia Pacific Spine Society

September 7-9, 2018 • Hong Kong, People's Republic of China

Hong Kong University – Surgical Skills Centre

www.srs.org/professionals/conferences-and-meetings/worldwide-courses/spine-deformity-solutions-course

Final Program

Friday, September 7, 2018

Le Meridien Cyberport – 100 Cyberport Road, Hong Kong

Registration and reception at 18:30 with Fireside Chats to follow

Saturday, September 8 and Sunday, September 9, 2018

Hong Kong University – Surgical Skills Centre

Program Times:

Friday, 18:30-21:00

Saturday, 7:40-17:30

Sunday, 7:40-17:00

Course Chairs

Ahmet Alanay, MD

Acibadem University School of Medicine, Istanbul Turkey

Kenneth MC Cheung, MD

The University of Hong Kong, Hong Kong

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Course Faculty (if not listed above)

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Aaron Zhu, MD
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Meeting Overview/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 will be 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 and demonstrate skills for the correct placement of spinopelvic instrumentation.
- Compare and contrast open and less invasive treatment options for thoracolumbar spinal deformity.
- Integrate techniques for posterior and anterior lumbo-sacral deformity corrections.
- Demonstrate skills for performing basic and complex spinal osteotomies for spinal deformity correction.
- Identify the optimal surgical plan for spinal deformity corrective surgery, and confirm obtaining the correction desired.

Target Audience

Spine surgeons (orthopaedic and neurological surgeons), residents and fellows.

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.

Language

Presentations and course materials will be provided in English.

No Smoking Policy

Hong Kong University is a smoke free facilities. Smoking is not allowed in either building at any time.

Attire

Casual attire and scrubs are appropriate for the course. Scrubs and disposables will be provided at the lab.

Corporate Supporters

We are pleased to acknowledge and thank those 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.

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Program Agenda

Friday, September 7, 2018	
18:30	Participant Registration & Welcome Reception
19:00-21:00	Fireside Chats Theme of the Fireside Chats: Radiographic Evaluation and Planning for Correction of Spinal Deformity 1) Adult Deformity – Moderator –Munish Gupta Faculty- <i>Abumi, Alanay, Deviren, Hai, MK Kwan, Sivanathan, Watanabe, Thanapipatsiri</i> 2) Pediatric Deformity – Moderator- Kenneth Cheung Faculty- <i>Basu, Johnson, K Kwan, Shen, HK Wong, Yang, YW Wong, Zhu</i>
Saturday, September 8, 2018	
	Breakfast at Hotel
7:15	Shuttle to HKU
7:40	Welcome
SESSION 1: THORACOLUMBAR OPEN AND MINIMALLY INVASIVE POSTERIOR TECHNIQUES	
Moderator: Kenneth Cheung	
7:45	Fixation of Thoracic, Lumbar, Sacrum and Pelvis <ul style="list-style-type: none"> • Hooks • Pedicle Screws • Iliac Screws • S2Al Screws Fixation and Thoracic Lumbar and Sacrum and Pelvis Saumyajit Basu
8:00	Minimally Invasive Stabilization of the Thoracolumbar Spine with Percutaneous Screws and Navigation MK Kwan
8:15	Direct Lateral (trans psoas) and Oblique Lateral Approach to the Lumbar Spine-Degenerative Condition Vedat Deviren
8.30	Break & Proceed to Lab & change of clothing
9:00-10:20	Lab 1 – Rotation 1
<i>Group 1</i>	Insertion of Hooks, Pedicle Screws, Sacro-Pelvic Fixation Thoracic-Lumbar-Ilium. Open, anatomy based Left side of the spine only
<i>Group 2</i>	Lateral Lumbar Approach, from left side S2Ala-Ilium Screws, left side only (Each group does two discs in the upper lumbar spine) (L1-2-3)
10:20-10:40	BREAK
10:40-12.00	Lab 1 – Rotation 2
<i>Group 2</i>	Insertion of Hooks, Pedicle Screws, Sacro-Pelvic Fixation. Thoracic-Lumbar-Ilium. Open, anatomy based Right side of the spine only
<i>Group 1</i>	Lateral Lumbar Approach, from left side S2Ala-Ilium Screws, right side only (Each group does two discs in the lower lumbar spine) (L3-4-5)
12:00- 12:45	Lunch & Introduction to SRS - Kenneth Cheung
SESSION 2: OSTEOTOMIES AND PELVIC FIXATION	
Moderator: Ahmet Alanay	
12:45	Posterior Column Osteotomies Including Wide Release Ponte and Smith-Peterson Osteotomy KS Sivanathan
13:00	Pedicle Subtraction Osteotomy Ahmet Alanay

13:15	Vertebral Column Resection Yong Hai
13:30	Complications of Osteotomies Munish Gupta
13:45	Proceed to Cadaver Lab
Lab 2 14:00-17:15	Posterior Column Osteotomies, Ponte Multiple Levels Between L1- L5, Smith-Peterson Osteotomy and PSO in the Lumbar Spine (Osteotomy at L3, participants share left/right side) Posterior Column Osteotomies, Ponte and Smith-Peterson Osteotomy at Multiple Levels and Vertebral Column Resection of the Thoracic Spine (at T9)
17:30	Adjourn & Shuttle to Hotel

Sunday, September 9, 2018	
	Breakfast at Hotel
7:15	Shuttle to HKU
7:40	Welcome
SESSION 3: CERVICAL DEFORMITY Moderator: Kuniyoshi Abumi	
7:45	Anterior Cervical Discectomies and Corpectomies- Indications, Approach and Execution Shu Hua Yang
8:00	Occipital and Cervical Fixation with Cervical Pedicle Screws, and Lateral Mass Screws Indications, Approach and Execution Kota Watanabe
8:15	Planning and Execution for Cervical Osteotomies Kuniyoshi Abumi
8:30	Complications of Cervical Spine Yat Wa Wong
8:45	Discussion
9:00	Break, Proceed to Cadaver Lab & Change of Clothing
Lab 3A 9:30 – 10:15	Anterior Approaches to the Cervical Spine and Cervicothoracic Junction
10:15	Break – lab staff to turn the cadaver to prone position
Lab 3B 10:45 – 12:30	Posterior Cervical Reconstruction from Occipital to T2
12:15 - 12:45	Lunch & Introduction to APSS - KS Sivanathan
SESSION 4: ANTERIOR AND LATERAL APPROACH-thoracic & LUMBAR SPINE Moderator: Munish Gupta	
12:45	Anterior Spinal Surgery for Scoliosis Overview - Hee Kit Wong
13:00	Anterior Trans pleural Thoracic Approaches-Deformity, Tumor, Trauma; Lateral (Flank)Thoracolumbar - Lumbar Retroperitoneal Approach for Anterior Column Reconstruction and Release Jianxiong Shen
13:15	Anterior Techniques with Anterior Lumbar Interbody Fusion, Retroperitoneal Anterior Approach to L5-S1, L4-5 and L3-4 Surin Thanapitsiri
13:30	Complications of Anterior and Lateral Surgery: How to Deal with Them - Michael Johnson
13:45	Complications of Posterior Instrumentation (Open and Minimally Invasive Surgery) - Kenny Kwan
14:00	Non-Neurologic Complications of Spine Surgery - Kenneth Cheung
14:15	Proceed to Cadaver Lab
Lab 4 14:30	Anterior Thoracic Transpleural Approach (Mid-Thoracic) Anterior Lumbosacral Retroperitoneal Approach + ALIF L5-S1 & Exposure L4-5
16:00	Open Question & Answer Wrap Up Session
16:30	Adjourn & Shuttle