




The 1st Annual MISSCOT Conference and Hands-on Cadaveric Workshop for Minimally Invasive Spine Surgery

24th - 26th June 2016



The Royal Golden Jubilee Building, The Royal College of Thai Surgeons
Department of Orthopedics, Siriraj Hospital
Bangkok Thailand

Course Directors:

Assoc. Prof. Dr. Areesak Chotivichit
Dr. Verapan Kuansongtham
Dr. Wattana Mahattanakul

International Guest Speakers:

Priv.-Doz. Dr. med. Sebastian Ruetten
Assoc. Prof. Dr. Wai Mun Yue
Assoc. Prof. Dr. Jin-Sung Kim
Asst. Prof. Dr. Takashi Kaito
Dr. Senol Jadik

Assoc. Prof. Dr. Ying Kei Chan
Assoc. Prof. Dr. Chris Chan
Assoc. Prof. Dr. Gen Inoue
Dr. Biodun Ogunbo

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Organizers:

Minimally Invasive Spine Surgery Club of Thailand
Department of Orthopedics, Siriraj Hospital, Mahidol University

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Welcome Message

Dear Colleagues,

On behalf of the Minimally Invasive Spine Surgery Club of Thailand (MISSCOT) committee, we welcome you to join us for the inaugural meeting of MISSCOT during 24th-26th June 2016, at the Royal Golden Jubilee building, Royal College of Thai Surgeons, Bangkok, Thailand. On June 24th, we also have advanced symposium session in collaboration with AOSpine Asia Pacific.

MISSCOT was founded in 2015, by a group of Thai spine surgeons, who are dedicated in minimally invasive techniques. We have now more than 80 members. Our vision is to create a spine community in Thailand and abroad, to engage surgeons to learn from one another and to take up minimally invasive spine surgery, ultimately, to improve patient's care and surgical outcome.

The theme of MISSCOT 2016 is on 'Minimally invasive spine surgery: Time to start'. In the first two days, we hope to offer a comprehensive meeting in which basic aspects of minimally invasive spine surgery from microsurgery to endoscopic spine surgery and percutaneous spine procedures will be covered in different areas of the spine from the cranio-cervical junction to lumbo-sacral region. Our programme will provide a forum for exchange of ideas, sharing of experience and interactions with the world experts on minimally invasive spine surgery.

We are pleased to have a number of spine experts from across the globe, including Dr. Sebastian Ruetten (Germany), Dr. Takashi Kaito (Japan), Dr. Gen Inoue (Japan), Dr. Jin-Sung Kim (South Korea) Dr. Wai Mun Yue (Singapore), Dr. Chris Chan (Malaysia), and Dr. Ying Kei Chan (Hong Kong) as our faculty members.

To make this meeting interactive and stimulating, we have also included sessions on interesting case panel discussions, new surgical technologies and video highlights on various MISS techniques.

The third day will be a hands-on workshop for minimally invasive procedures, including endoscopic spine surgery and various MIS lumbar fusion surgery, at Siriraj Hospital, the first and the oldest hospital in Thailand, founded in 1888 and situated on the west bank of the Chao Phraya River. This meeting will provide invaluable learning experiences and updates on new concepts and technologies pertaining to MIS spine surgery. Apart from academic events, there will be ample opportunities for networking with our colleagues and spine experts over socializing events.

On behalf of MISSCOT, we eagerly invite you to participate in this exciting meeting and get involved in the Future of Spine Care.

Dr. Areesak Chotivichit

Associate Professor
President of MISSCOT
Orthopedic Surgery
Siriraj Hospital
Mahidol University

Dr. Verapan Kuansongtham

Course Director
Neurosurgery
Director of Spine Institute
Bumrungrad
International Hospital

Dr. Wattana Mahattanakul

Co-Course Director
Neurosurgery
Ramathibodi Hospital
Mahidol University

Friday 24th June 2016

The Royal College of Thai Surgeons

8.00-8.30	Registration	
8.30-8.40	Opening ceremony and welcome speech	Dr. Areesak
8.40-8.50	History of Minimally Invasive Spine Surgery in Thailand	Dr. Areesak
8:50-9:00	Spine Surgery Training in Germany	Dr. Ruetten
	Endoscopic Spine Surgery Session	Dr. Verapan/ Dr. Ake
9:00-9:20	Full-endoscopic Discectomy and Decompression: 9-year Experience	Dr. Verapan
9:20-9:40	Endoscopic Cervical Foraminotomy	Dr. Ruetten
9:40-10:00	Thoracoscope Assisted spinal surgery	Dr. Ruetten
	Free Papers: Full-endoscopic Lumbar Surgery	Dr. Thanet/ Dr. Atthaporn
10:00-10:10	How to Set Up Endoscopic Spine Surgery in Korat	Dr. Kanthika
10:10-10:20	Tips for Starting Out in Endoscopic Lumbar Surgery	Dr. Withawin
10:20-10:30	Endoscopic Lumbar Spine Surgery: Regional Experience from Chaiyapoom	Dr. Narongsak
10:30-10:40	Endoscopic Lumbar Spine Surgery: Experience from Ramathibodi	Dr. Kriangsak
	Coffee Break 20 mins	
	Interventional/ Percutaneous Procedures	Dr. Pairoj/ Dr. Roongrath
11:00-11:10	Recent Evidence for Steroid Injections	Dr. Nuj
11:10-11:20	Percutaneous Discectomy and Annuloplasty for the Treatment of Lumbar Discogenic Pain	Dr. Gun
11:20-11:30	Vertebroplasty in Non-union Osteoporotic Vertebral Fracture	Dr. Monchai
11:30-11:40	Balloon Kyphoplasty: A Simple Procedure for Excellent Outcome	Dr. Teera
	MISS Lumbar Fusion Surgery	Dr. Wattana/ Dr. Thanet
11:40-11:50	Anterior Lumbar Interbody Fusion Surgery	Dr. Pairoj
11:50-12:00	Experience of O-arm Navigation in Thailand	Dr. Pairoj
12:00-12:10	Anatomy for Minimally Invasive Lumbar Fusion	Dr. Roongrath
12:10-12:20	Long-term Outcome of Minimally Invasive TLIF: A Preliminary Results of 9- year Single Surgeon Experience	Dr. Teera
12:20-12:30	TLIF Regional Experience from Thammasat: Preliminary Results of Paramedian Muscle Splitting TLIF	Dr. Rattalerk

Friday 24th June 2016

The Royal College of Thai Surgeons

12:30-13:30	Baxter Lunch Symposium: Use of Flowable Haemostat in Spine Surgery	Dr. Ake/ Dr. Wattana
	Advanced Symposium: Minimally Invasive Spine Surgery	Dr. Verapan/ Dr. Thanet
13:30-13:40	Welcome Speech and Introduction to AOSpine	Dr. Wattana
13:40-13:50	How to Apply for AOSpine Fellowship	Dr. Withawin
13:50-14:00	AOSpine Fellowship Experience in Japan	Dr. Anuchit
14:00-14:20	Endoscopic Lumbar Spine Surgery: Experience from Hong Kong	Dr. YK Chan
14:20-14:40	Minimally Invasive Lumbar Interbody Fusion: TLIF, OLIF, ALIF and MIDLF	Dr. Wattana
14:40-15:00	MIS-TLIF Experience from Singapore	Dr. WM Yue
15:00-15:20	Roles of Minimally Invasive Spine Surgery in Thoraco-Lumbar Fractures	Dr. Warat
15:20-15:40	MISS for Spinal Metastases - Experience from Malaysia	Dr. C Chan
	Coffee Break 20 mins	
	Advanced Symposium on MISS Controversies: Case Presentation and Panel Discussion	Dr. Areesak/ Dr. YK Chan
16:00-16:10	Approach Selection for Lumbar Degenerative Spine: Case Examples	Dr. Verapan
16:10-16:20	Evidence-based Discussion and Take home Messages	
16:20-16:30	Is MISS possible for Degenerative Lumbar Scoliosis with Cobb Angle > 40 Degrees? - Case Presentation	Dr. Wattana
16:30-16:40	Evidence-based Discussion and Take home Messages	
16:40-16:50	Can MISS Achieve Adequate Reduction for Grade 2 Spondylolisthesis? - Case Presentation	Dr. Thanet
16:50-17:00	Evidence-Based Discussion and Take Home Messages	
17:00-17:10	Course Evaluation and Feedback	
17:10-17:20	Group Photo	
17:20-18:00	Pre Dinner Cocktail	
18:00-22:00	Gala Dinner (Smart casual dress code)	

Saturday 25th June 2016

The Royal College of Thai Surgeons

8:00-8:30	Lumbar Fusion: Evolution Through Time	Dr. Sumroeng Dr. Ake/ Dr. Atthaporn
	MISS in Cervical Spine and Thoracic Spine	
8:30-8:40	Microsurgery in Cervical Spine	Dr. Surachest
8:40-8:50	Microforaminotomy	Dr. Anuchit
8:50-9:00	Development of Cervical Fusion Implants for Cervical Spine	Dr. Ittipol
9:00-9:10	ACDF Experience in Chiangmai	Dr. Torpong
9:10-9:20	Thoracoscopic Spine Surgery (Ramathibodi Experience- Thailand)	Dr. Wattana
9:20-9:30	Multilevel Percutaneous Fixation in the Thoracic Spine	Dr. Wattana
	Coffee Break 20 mins	
	Case Presentation and Panel Discussion	Dr. Torpong/ Dr. Roongrath
9:30-9:40	Case 1- Cervical Radiculopathy (soft disc) MISS options- ACDF, Disc Replacement, Foraminotomy?	Dr. Withawin
9:40-9:50	Evidence-based Discussion and Take home Messages	
9:50-10:00	Case 2- Delayed Presentation of C1/C2 Rotatory Subluxation with Malunion. MISS Options	Dr. Wattana
10:00-10:10	Evidence-based Discussion and Take Home Messages	
10:10-10:20	Case 3- TL Burst Fracture. MISS Options- Percutaneous Screw/ Vertebroplasty/ Kyphoplasty/ Thoracoscopic Approaches	Dr. Rattalerk
10:20-10:30	Evidence-based Discussion and Take Home Messages	
	Coffee Break 30 mins	
	MISS Lumbar Spine	Dr. Sumroeng/ Dr. Verapan
11:00-11:10	Clinical Outcomes of Transforaminal Endoscopic Decompression in Failed Back Surgery Syndrome (FBSS)	Dr. Pornpawit
11:10-11:20	PELD for not only Leg Pain but Back Pain	Dr. Jin-Sung Kim
11:20-11:30	MIS-TLIF under O-arm navigation: Experience from 400+ cases	Dr. Verapan
11:30-11:40	Midline Lumbar Interbody Fusion (MIDLF)	Dr. Kaito
11:40-11:50	Oblique Lumbar Interbody Fusion (OLIF)	Dr. Inoue
11:50-12:00	OLIF Assisted by Spine Endoscope	Dr. Jin-Sung Kim
12:00-13:00	Lunch Symposium by Carl Zeiss : MISS Spinal Surgery with Operating Microscope	Dr. Torpong

Saturday 25th June 2016

The Royal College of Thai Surgeons

	Miscellaneous and Spinal Navigation	Dr. Wattana/ Dr. Monchai
13:00-13:10	Developing a Spine Service in Nigeria	Dr. Ogungbo
13:10-13:20	Lumbar Endoscopic Surgery: Hatyai Experience	Dr. Pradit
13:20-13:30	Thoracoscopic Spine Surgery: Siriraj Experience	Dr. Akkpong
13:30-13:40	Full Spinal Navigation: Cervical, Thoracic, and Lumbar Spine	Dr. Thanet
13:40-13:50	O-arm Navigation for Ankylosing Spondylitis Case and Balloon Kyphoplasty	Dr. Withawin
13:50-14:00	Surgical Techniques of Percutaneous TLIF under O-arm Navigation in Ramathibodi Hospital, Thailand	Dr. Atthaporn
	New Technologies/ Recent Advances	Dr. Rattalerk/ Dr. Kriangsak
14:00-14:10	Bone-Anchored Annular Closure Device for Lumbar Disc Herniation	Dr. Jadik
14:10-14:20	NOVOCART Disc Plus for Degenerative Lumbar Disc Conditions	Dr. Jadik
14:20-14:30	Carbon/ PEEK Pedicular Screws and Rods for Posterior Fixation	Dr. Jadik
14:30-14:40	Radiosurgery for the Spine	Dr. Ake
14:40-14:50	Navigated Robotic Guided Percutaneous Lumbar Pedicle Screw Placement	Dr. Tewajetsada
14:50-15:00	Robotics in Spinal Surgery	Dr. Sorayouth
	Coffee Break 30 mins	
	Surgical Techniques: Tips and Tricks (Video Presentation)	Dr. Narongsak/ Dr. Withawin
15:30-15:50	Video Presentation: Percutaneous Screw Insertion with K Wire	Dr. Thanet
15:50-16:10	Video Presentation: Percutaneous TLIF/ Tubular Decompression under O- arm	Dr. Verapan
16:10-16:30	Video Presentation: Vertebroplasty/ Kyphoplasty under Navigation	Dr. Monchai
16:30-17:00	Video Presentation: Endoscopic Discectomy and Decompression	Dr. Verapan
17:00-17:15	Course Evaluation and Feedback	
17:15-17:30	Closing Remarks and End of Course	

Sunday 26th June 2016

Srisavarindira Building, Siriraj Hospital

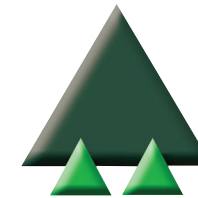
8:00-16:00	Hands-on Cadaveric Workshop: MIS Instrumentation by Medtronic Please see detail in separate document	
8:00-16:00	Hands-on Cadaveric Workshop: Full-endoscopic Lumbar Discectomy and Decompression by Richard-Wolf GmbH Instructor: Dr. Verapan, Dr. Ittipol, Dr. Rattalerk, Dr. Withawin	
8:00-8:30	Review of Techniques: Transforaminal Approach	Dr. Withawin
8:30-12:00	Transforaminal Approach	
13:00-13:30	Review of Techniques: Interlaminar Approach	Dr. Verapan
13:30-16:00	Interlaminar Approach	
8:00-16:00	Hands-on Cadaveric Workshop: Kyphoplasty	Dr. Monchai

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