

## International Symposium on Spine and Paravertebral Sonography for Anaesthesia and Pain Medicine 2013

**Dates:** 5<sup>th</sup> – 7<sup>th</sup> April 2013

**Organized by:** The Department of Anaesthesia and Intensive Care, The Chinese University of Hong Kong

**Venue:** Postgraduate Education Centre, Prince of Wales Hospital, Shatin, Hong Kong

**Website:** [www.usgraweb.hk/issps2013](http://www.usgraweb.hk/issps2013)

### Scientific Program

#### Friday, 5<sup>th</sup> April 2013

issps2013 Day 1 - Session 1: Plenary Lecture Series 1. Moderator: Dr. M.K. Karmakar		SHAW AUDITORIUM
0700-0745 h	Registration and Breakfast	
0745-0800 h	Welcome Address	Dr. M.K. Karmakar
0800-0825 h	What is Important for Success During a Peripheral Nerve Block: Location of the Block Needle or the Distribution of the Local Anesthetic?	Dr. Peter Marhofer
0825-0850 h	Credentialing for Ultrasound Guided Regional Anesthesia: Is This The Way Forward?	Dr. Vincent Chan
0850-0915 h	The Art and Science of Regional Anaesthesia: Is it Time to Set Minimum Standards?	Dr. Admir Hadzic
0915-0940 h	Thoracic Paravertebral Block and Its Effects on Chronic Pain and Health Related Quality of Life after Breast Cancer Surgery.	Dr. M.K. Karmakar
0940-1005 h	Regional Anaesthetic Techniques and Local Anesthetic Drugs: Do They Affect Postoperative Cancer Recurrence and Survival?	Dr. Xavier Capdevilla
1005-1020 h	Panel Discussion. Drs. Marhofer, Hadzic, Chan, Karmakar and Capdevilla	
1020-1100 h	Break with the Exhibitors	
issps 2013 Day 1 – Session 2: Plenary Lecture Series 2. Moderator: Dr. W.K. Kwok		SHAW AUDITORIUM
1100-1125 h	Ultrasound Imaging of the Cervical Spine and Injection Techniques.	Dr. Hariharan Shankar
1125-1150 h	Ultrasound Imaging of the Thoracic Spine and Paravertebral Region and Injection Techniques.	Dr. M.K. Karmakar
1150-1215 h	Ultrasound Imaging of the Lumbar Spine and Injection Techniques.	Dr. Michael Gofeld
1215-1240 h	Ultrasound Imaging of the Lumbar Paravertebral Region and Injection Techniques.	Dr. M.K. Karmakar
1240-1305 h	Ultrasound Imaging of the Sacrum and Injection Techniques.	Dr. Thomas Domingo Rufes
1305-1320 h	Panel Discussion. Drs. Shankar, Karmakar, Gofeld and Domingo Rufes	
1320-1415 h	Lunch Break with the Exhibitors	
issps 2013 Day 1 – Session 3: Parallel Session I – Ultrasound for Regional Anaesthesia. Moderator: Dr. P.T. Chui		SHAW AUDITORIUM
1415-1440 h	Ultrasound for Central Neuraxial Blocks in the Obstetric Patient.	Dr. Peter Hebbard
1440-1505 h	Understanding the Pathophysiology of the Difficult Spine (Scoliosis, Ankylosing Spondylitis, Operated Back, Osteoporosis, Rheumatoid Arthritis)	Dr. Edmund Soh
1505-1530 h	Ultrasound Guided Central Neuraxial Blocks in Patients with Difficult Spine.	Dr. W.H. Kwok
1530-1555 h	Is 3D 4D Ultrasound Useful for Regional Anaesthesia?	Dr. M.K. Karmakar
1555-1610 h	Panel Discussion: Drs. Hebbard, Soh, Kwok and Karmakar	
1610-1700 h	Break with the Exhibitors.	
issps 2013 Day 1 – Session 4: Parallel Session II – Ultrasound for Pain Medicine. Moderator: Dr. Carina Li		Kai Chong Tong Auditorium
1415-1440 h	An Overview of Ultrasonography in Pain Medicine.	Dr. Michael Gofeld
1440-1505 h	Ultrasound Examination of the Shoulder and Elbow Joints and Injection techniques.	Dr. C.S. Lee
1505-1530 h	Ultrasound Guided Sympathetic Blocks: From Cervical to Ganglion Impar.	Dr. Shankar Hariharan
1530-1555 h	Ultrasound Guided Interventions for Low Back Pain: (Lumbar Approach: Medial branch block, facet joint injection, selective nerve root injection, Quadratus lumborum and Piriformis injection).	Dr. Sean C.S. Lin
1555-1610 h	Panel Discussion: Drs. Gofeld, Lin, Hariharan and Lee	
1610-1700 h	Break with the Exhibitors	
issps2013 Day 1 - Session 5 : Master Class. Moderator: Dr. M.K. Karmakar		SHAW AUDITORIUM
1700-1800 h	Ask Dr. Zoom and the Experts	<b>Topic and Faculty to be announced</b>

**1800 h: End of Day 1**

## Saturday, 6<sup>th</sup> April 2013

issps2013 Day 2 – Session 6: Plenary Lecture Series 3. Moderator: Dr. M.K. Karmakar		SHAW AUDITORIUM
0700-0800 h	Breakfast	
0800-0825 h	Ultrasound Guided Perineural Catheter Placement – Technical Challenges and Strategies to Improve Safety and Efficacy.	Dr. N.S. Sandhu
0825-0850 h	Minimum Volume of Local Anaesthetic for Peripheral Nerve Blocks: Is it Desirable and How Low Can We Go?	Dr. Vincent Chan
0850-0915 h	Ultrasound Guided Proximal Sciatic Nerve Block Techniques – An Anatomical Ultrasound Correlation.	Dr. Carlo Franco
0915-0940 h	Ultrasound Guided Popliteal Sciatic Nerve Block: Proximal or Distal; Perineural or Subepineural, US or Dual guidance.	Dr. Anna Lopez
0940-1005 h	New Applications of Ultrasound in Anaesthesia and Future Trends in Regional Anaesthesia.	Dr. Ban Tsui
1005-1020 h	Panel Discussion Drs. Sandhu, Chan, Franco, Lopez and Tsui	
1020-1100 h	Break with the Exhibitors	

issps2013 Day 2 – Session 7: Workshop 1		Postgraduate Education Centre
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>		
<b>1100-1230 h. Sonography for Anaesthesia Workshop</b>		Postgraduate Education Centre
Workshop 1A	Ultrasound Imaging of the Lumbar Spine – The Basics	Drs. B. Tsui and P. Hebbard
Workshop 1B	Ultrasound Imaging of the Difficult Spine (Obesity, Scoliosis and Spinal Instrumentation)	Drs. W.H. Kwok, J. Kau and P. Chan
Workshop 1C	Lumbar Paravertebral Sonography and Ultrasound Guided Lumbar Plexus Block	Drs. X. Capdevilla and C. Franco
Workshop 1D	Thoracic Paravertebral Sonography and Ultrasound guided Thoracic Paravertebral Block.	Drs. P. Marhofer and C. Vandepitte
Workshop 1E	Ultrasound Guided Peripheral Nerve Blocks that every Anaesthesiologist Should be able to Perform: Brachial Plexus (Interscalene and Axillary), Femoral Nerve and Popliteal Sciatic Nerve Block.	Drs. N.S. Sandhu and A Lopez
Workshop 1F	Learning the Skills Necessary for USG Central Neuraxial Blocks. (Intense hands on practice using a pig carcass spine model and gelatin-agar spine phantom)	Drs. P.T. Chui, S Au, C Tse and B. Law

issps2013 Day 2 – Session 8: Workshop 2		Day Surgery Centre, 3/F, Main Clinical Block
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>		
<b>1100-1230 h. Sonography for Pain Medicine</b>		Day Surgery Centre, 3/F, Main Clinical Block
Workshop 2A	Cervical Spine Imaging (includes Cervical Epidural, Cervical Facet, Medial branch and Greater Occipital Nerve Block).	Drs. T. Clarke, H. Shankar and Peggy Li
Workshop 2B	Thoracolumbar Spine, Intercostal and Paravertebral Imaging for Chronic Pain Interventions.	Drs. M. Gofeld, Carina Li and Kristie Tsang
Workshop 2C	Musculoskeletal Imaging for Pain Medicine (includes Suprascapular nerve, Piriformis muscle and Pudendal Nerve Injection).	Drs. S. Lin, C.S. Lee and Tim Brake
Workshop 2D	Sacral Spine and Sacroiliac Joint Imaging for Chronic Pain Interventions.	Drs. T. Domingo Rufes, P. Courtney and Grace Hui

1230-1330 h. Lunch Break with the Exhibitors

issps2013 Day 2 – Session 9: Workshop 3		Postgraduate Education Centre
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>		
<b>1330-1500 h. Sonography for Anaesthesia Workshop</b>		Postgraduate Education Centre
Workshop 3A	Ultrasound Imaging of the Lumbar Spine – The Basics	Drs. B. Tsui and P. Hebbard
Workshop 3B	Ultrasound Imaging of the Difficult Spine (Obesity, Scoliosis and Spinal Instrumentation)	Drs. W.H. Kwok, J. Kau and P. Chan
Workshop 3C	Lumbar Paravertebral Sonography and Ultrasound Guided Lumbar Plexus Block	Drs. X. Capdevilla and A. Hadzic
Workshop 3D	Thoracic Paravertebral Sonography and Ultrasound guided Thoracic Paravertebral Block.	Drs. P. Marhofer and C. Vandepitte
Workshop 3E	Ultrasound Guided Peripheral Nerve Blocks that every Anaesthesiologist Should be able to Perform: Brachial Plexus (Interscalene and Axillary), Femoral Nerve and Popliteal Sciatic Nerve Block.	Drs. N.S. Sandhu and A Lopez
Workshop 3F	Learning the Skills Necessary for USG Central Neuraxial Blocks. (Intense hands on practice using a pig carcass spine model and gelatin-agar spine phantom)	Drs. P.T. Chui, S Au, C Tse and B. Law

issps2013 Day 2 – Session 10: Workshop 4		Day Surgery Centre, 3/F, Main Clinical Block
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>		
<b>1345-1515 h. Sonography for Pain Medicine</b>		Day Surgery Centre, 3/F, Main Clinical Block
Workshop 4A	Cervical Spine Imaging (includes Cervical Epidural, Cervical Facet, Medial branch and Greater Occipital Nerve Block).	Drs. T. Clarke, H. Shankar and Peggy Li
Workshop 4B	Thoracolumbar Spine, Intercostal and Paravertebral Imaging for Chronic Pain Interventions.	Drs. M. Gofeld, Carina Li and Kristie Tsang
Workshop 4C	Musculoskeletal Imaging for Pain Medicine (includes Suprascapular nerve, Piriformis muscle and Pudendal Nerve Injection).	Drs. S. Lin, C.S. Lee and Tim Brake
Workshop 4D	Sacral Spine and Sacroiliac Joint Imaging for Chronic Pain Interventions.	Drs. T. Domingo Rufes, P. Courtney and Grace Hui

1500-1530 h. Break with the Exhibitors

issps2013 Day 2 – Session 11: Workshop 5			Postgraduate Education Centre
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>			
<b>1530-1700 h. Sonography for Anaesthesia Workshop</b>			Postgraduate Education Centre
Workshop 5A	1530-1700 h	Ultrasound Imaging of the Airway	Drs. V. Chan, M.K. Karmakar, P. Pangthipapai, D Or
Workshop 5B*	<b>1550-1720 h</b>	3D 4D Ultrasound Imaging	Drs. E. Soh, E. Koo, M.K. Karmakar
Workshop 5C	1530-1700 h	Ultrasound Anatomy for Ankle Block	Drs. A. Hadzic and C. Franco
Workshop 5D	1530-1700 h	Quantitative Doppler Ultrasound for Regional Anaesthesia	Drs. W.H. Kwok and J.W. Li

issps2013 Day 2 - Session 12: Workshop 6			Day Surgery Centre, 3/F, Main Clinical Block
<b>Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15</b>			
<b>1545-1715 h. Sonography for Pain Medicine</b>			Day Surgery Centre, 3/F, Main Clinical Block
Workshop 6A	Ultrasound Examination of the Hip and Knee Joints and Injection Techniques		Drs. H. Shankar, M. Gofeld and Carina Li
Workshop 6B	Ultrasound Guided Sympathetic Blocks for Pain Medicine		Drs. C.S. Lee, S. Lin and Kristie Tsang
Workshop 6C	Ultrasound Examination of the Ankle and Foot and Injection Techniques		Drs. T. Clarke, Peggy Li and Tim Brake
Workshop 6D	Thoracolumbar Spine, Intercostal and Paravertebral Imaging for Chronic Pain Interventions.		Drs. T. Domingo Rufes, P. Courtney and Grace Hui

1700-1800 h	Session 13: Expert Scanning Demonstration Session Supported by the Exhibitors	
<b>CANCELLED</b>		
	<b>Session 13A: Shaw Auditorium</b>	<b>Topic and Faculty to be announced</b>
	<b>Session 13B: Kai Cheong Tong</b>	

**1800 h: End of Day 2**

**Sunday, 7<sup>th</sup> April 2013**

issps2013 Day 3 - Session 14: Plenary Lecture Series 4. Moderator: Dr. P.T. Chui		SHAW AUDITORIUM
0700-0800 h	Breakfast	
0800-0825 h	Ultrasound Imaging of the Airway	Dr. M.K. Karmakar
0825-0850 h	Bedside Quantitative Gastric Ultrasonography	Dr. V. Chan
0850-0915 h	Doppler Ultrasonography and Its Role in Regional Anaesthesia	Dr. Kwok WH
0915-0930 h	Panel Discussion Drs. Karmakar, Chan and Kwok	
0930-1000 h	Break with the Exhibitors	

issps2013 Day 3 - Session 15: Parallel Session III - Video Presentation of USG Interventions for Chronic Pain: Moderator: Dr. Peggy Li		Kai Chong Tong Auditorium
1000 – 1130 h	<b>Video Demonstration of Ultrasound Guided Interventions for Chronic Pain</b> 1. Selective nerve root injection (L5 S1). <i>Dr. Sean C.S. Lin</i> 2. Lumbar Medial branch block. <i>Dr. Peter Courtney</i> 3. Common Head and Neck Blocks. <i>Dr. Hariharan Shankar</i> 4. Lumbar sympathetic and Superior Hypogastric plexus Block. <i>Dr. Michael Gofeld</i> 5. Greater Occipital and 3 <sup>rd</sup> Occipital Nerve Block. <i>Dr. S.C. Lee</i> 6. Common Musculoskeletal Injections at the Shoulder, Hip and Knee joints. <i>Dr. Thomas Clarke</i>	
1130-1200 h	Question and Answer Session	

issps2013 Day 3 - Session 16: Parallel Session IV - Video Presentation of USG Regional Anaesthetic Procedures: Moderator: Dr. M.K.Karmakar		SHAW AUDITORIUM
1000-1130 h	<b>Video Demonstration of Ultrasound Guided Regional Anaesthetic Procedures (Single shot + Catheter techniques):</b> 1. How I perform an Interscalene Brachial Plexus Block. <i>Dr. Admir Hadzic</i> 2. How I perform a Supraclavicular Brachial Plexus Block. <i>Dr. Carlo Franco</i> 3. How I perform an Infraclavicular Brachial Plexus Blocks. <i>Dr. N.S. Sandhu</i> 4. How I Use TAP Blocks for Upper Abdominal Surgery. <i>Dr. Peter Hebbard</i> 5. How I perform a Popliteal Sciatic Nerve Block. <i>Dr. Anna Lopez</i> 6. Multilevel USG Thoracic Paravertebral Block for Anaesthesia during Major Breast Cancer Surgery. <i>Dr. M.K.Karmakar</i>	
1130-1200 h	Question and Answer Session	

1200-1330 h. Lunch Break with the Exhibitors

issps2013 Day 3 – Session 17: Workshop 7

Postgraduate Education Centre

**Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15**

**1330-1500 h. Sonography for Anaesthesia Workshop**

Postgraduate Education Centre

Workshop 7A Ultrasound Imaging of the Airway

Drs. V. Chan, M.K. Karmakar and P. Pangthipumpai

~~Workshop 7B 3D-4D Ultrasound Imaging (Cancelled)~~

Drs. E. Soh and E. Koo

Workshop 7C Ultrasound Anatomy for Ankle Block

Drs. A. Lopez, C. Franco and C. Vandepitte

Workshop 7D Quantitative Doppler Ultrasonography for Regional Anaesthesia

Drs. W.H. Kwok and J.W. Li

issps2013 Day 3 - Session 18: Workshop 8

Day Surgery Centre, 3/F, Main Clinical Block

**Each workshop session is for 90 minutes. Participants can register for only one topic during any workshop session. The number of participants per workshop will be limited to 15**

**1330-1500 h. Sonography for Pain Medicine**

Day Surgery Centre, 3/F, Main Clinical Block

Workshop 8A Ultrasound Examination of the Hip and Knee Joint and Injection Techniques

Drs. H. Shankar, M. Gofeld and Belinda Wong

Workshop 8B Ultrasound Guided Sympathetic Blocks for Pain Medicine

Drs. S. Lin, Tim Brake and Kristie Tsang

Workshop 8C Ultrasound Examination of the Ankle and Foot and Injection Techniques

Drs. T. Clarke and Peggy Li

Workshop 8D Sacral Spine and Sacroiliac Joint Imaging for Chronic Pain Interventions.

Drs. T. Domingo Rufes, P. Courtney and Grace Hui

**1530 h: End of Symposium**