

International Symposium on Spine and Paravertebral Sonography for Anaesthesia and Pain Medicine 2014

Dates: 31st October – 2nd November 2014

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

Venue: Courtyard Marriott Hong Kong, Shatin, New Territories, Hong Kong

Website: www.usgraweb.hk/issps2014

Scientific Program

Friday, 31st October 2014

issps2014 Day 1 - Session 1: Plenary Lecture Series I. Moderator: Dr. M.K. Karmakar

0700-0745 h	Registration and Breakfast	
0745-0800 h	Welcome Address	Dr. M.K.Karmakar
0800-0825 h	Perineural, Subparaneural or Intraneural Injection: What makes sense for Local Anesthetic Injection during Peripheral Nerve Blockade?	Dr. Carlo Franco
0825-0850 h	High Definition Ultrasound Imaging and a Look into the Future of Peripheral Nerve Blockade.	Dr. M.K.Karmakar
0850-0915 h	Minimum Dose and Volume of Local Anaesthetic for Ultrasound Guided Peripheral Nerve Blockade: How Low Can One Go in Clinical Practice?	Dr. Brian D. O'Donnell
0915-0940 h	Body Image Distortions Induced by Peripheral and Central Neuraxial Blockade. What do we know about this Phenomenon?	Dr. Xavier Paqueron
0940-1005 h	Neurological Dysfunction after Peripheral Nerve Blocks and Strategies for Management.	Dr. John J Laur
1005-1020 h	Panel Discussion. Drs. Franco, O'Donnell, Paqueron, Laur and Karmakar	

1020-1100 h Break with the Exhibitors

issps 2014 Day 1 – Session 2: Plenary Lecture Series 2. Moderator: Dr. P.T. Chui

1100-1125 h	Ultrasound Imaging of the Cervical Spine and Paravertebral Region and Injection Techniques.	Dr. S.C.Lee
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. Philip Peng
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 (Includes Caudal epidural, Sacral Transforaminal, Si Joint, Piriformis and Pudendal Nerve Injection)	Dr. Sean Lin
1305-1320 h	Panel Discussion. Drs. Lee, Peng, Lin and Karmakar	

1320-1420 h Lunch Break with the Exhibitors

issps 2014 Day 1 – Session 3: Parallel Session I – Ultrasound for Regional Anaesthesia. Moderator: Dr. W.H. Kwok

1420-1445 h	Ultrasound Guided Abdominal Wall Blocks: TAP, Quadratus Lumborum, Ilioinguinal Iliohypogastric Nerve and Rectus Sheath Block.	Dr. John G. McDonnell
1445-1510 h	Ultrasound Guided Diffusion Blocks of the Thoracic Wall: PECS and Serratus Plane Block	Dr. R.B. Davila
1510-1535 h	3D 4D Ultrasound Imaging in Regional Anaesthesia	Dr. M.K.Karmakar
1535-1600 h	Radio-contrast studies and How it is Improving our Understanding and Delivery of Regional Anaesthetic Blocks.	Dr. Philippe Gautier
1600-1615 h	Panel Discussion: Drs. McDonnell, Davila, Karmakar and Gautier	

issps 2014 Day 1 – Session 4: Parallel Session II – Ultrasound for Pain Medicine. Moderator: Dr. Carina Li

1420-1445 h	Ultrasound Guided Interventions for Low Back Pain: (Lumbar Approach: Medial branch block including L5 dorsal ramus block, facet joint injection, Selective lumbar nerve root injection, and Quadratus lumborum).	Dr. Manfred Greher
1445-1510 h	Ultrasound Guided Sympathetic Blocks: From Cervical to Ganglion Impar.	Dr. Michael Gofeld
1510-1535 h	Common Ultrasound Guided Head and Neck Blocks for Pain Medicine	Dr. Hariharan Shankar
1535-1600 h	Sonoanatomy of the Shoulder and Hip Joint and Injection Techniques	Dr. Philip Peng
1600-1615 h	Panel Discussion: Drs. Greher, Gofeld, Shankar and Peng	

1615 h: End of Day 1

Saturday, 1st November 2014

issps2014 Day 2 - Session 5: Plenary Lecture Series 3. Moderator: Dr. M.K. Karmakar

0700-0800 h	Breakfast	
0800-0825 h	Does Regional Anaesthesia and Analgesia Affect Postoperative Cancer Recurrence and Survival?	Dr. Ban Tsui
0825-0850 h	Ultrasound Guided Central Neuraxial Blocks in Patients with Difficult Spine.	Dr. W.H. Kwok
0850-0915 h	Ultrasound Imaging of the Airway	Dr. M.K. Karmakar
0915-0940 h	Virtual Reality Simulation design and Integration into Regional Anaesthesia Training and Assessment	Dr. Brian D. O'Donnell
0940-1005 h	Ultrasound Guided Perineural Catheter Placement – New Innovations, Technical Challenges and Strategies to Improve Safety and Efficacy.	Dr. Ban Tsui
1005-1020 h	Panel Discussion Drs. Tsui, Kwok, Karmakar and O'Donnell	
1020-1130 h	Break with the Exhibitors	

issps2014 Day 2 - Session 6: Workshop 1

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

1130-1300 h. Sonography for Anaesthesia Workshop

Workshop 1A	Ultrasound Imaging of the Lumbar Spine – The Basics	Drs. B. Tsui, J G. McDonnell and Jeffrey Kua
Workshop 1B	Ultrasound Imaging of the Difficult Spine (Obesity, Scoliosis and Spinal Instrumentation)	Drs. W.H. Kwok, Sylvia Au, Polly Chan and Alex Wan
Workshop 1C	Lumbar Paravertebral Sonography and Ultrasound Guided Lumbar Plexus Block. <i>(Includes hands on practice using a pig carcass phantom)</i>	Drs. C. Franco and X. Paqueron
Workshop 1D	Thoracic Paravertebral Sonography and Ultrasound guided Thoracic Paravertebral Block. <i>(Includes hands on practice using a pig carcass phantom)</i>	Drs. P. Gautier, B. D. O'Donnell and F. Liu
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. J. Laur, G Merritt and Emily Koo
Workshop 1F	1) Learning the Skills Necessary for USG Central Neuraxial Blocks. <i>(Intense hands on practice using a pig carcass spine model and gelatin-agar spine phantom)</i> 2) Electromagnetic and GPS Needle Tracking (practices on phantoms)	Drs. P.T. Chui, B. Law, Debrial Or, Louis Mok and P. Pangthipapai

issps2014 Day 2 - Session 7: Workshop 2

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

1130-1300 h. Sonography for Pain Medicine

Workshop 2A	Cervical Spine Imaging (includes Cervical Epidural, Cervical Facet, Medial branch and Greater Occipital Nerve Block).	Drs. SC Lee, 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	Ultrasound Examination of the Shoulder and Elbow Joints and Injection techniques.	Drs. T. Clarke, and P. Peng

Workshop 2D	Sacral Spine and Sacroiliac Joint Imaging and Injection Techniques for Chronic Pain Interventions.	Drs. S Lin and Candy Chiu
Workshop 2E	Ultrasound Guided Interventions for Low Back Pain: (Lumbar Approach: Medial branch block, facet joint injection, Selective lumbar nerve root injection, Quadratus lumborum and Piriformis injection).	Drs. M. Greher, and Tim Brake

1300-1400 h. Lunch Break with the Exhibitors

issps2014 Day 2 – Session 8: Workshop 3

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

1400-1530 h. Sonography for Anaesthesia Workshop

Workshop 3A	Ultrasound Imaging of the Lumbar Spine – The Basics	Drs. P. Gautier, R.B. Davila and Jeffrey Kua
Workshop 3B	Ultrasound Imaging of the Difficult Spine (Obesity, Scoliosis and Spinal Instrumentation)	Drs. W.H. Kwok, Sylvia Au, Polly Chan and Alex Wan
Workshop 3C	Lumbar Paravertebral Sonography and Ultrasound Guided Lumbar Plexus Block. <i>(Includes hands on practice using a pig carcass phantom)</i>	Drs. C. Franco and X. Paqueron
Workshop 3D	3D 4D Ultrasound Imaging (<i>Basic principles, Hardware, Data Acquisition, Rendering and Presentation Techniques</i>)	Drs. M.K. Karmakar, J.W. Li, F. Liu and B. Songthamwa
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. J. Laur, G Merritt, Emily Koo and (Belinda Wong)
Workshop 3F	1) Learning the Skills Necessary for USG Central Neuraxial Blocks. <i>(Intense hands on practice using a pig carcass spine model and gelatin-agar spine phantom)</i> 2) Electromagnetic and GPS Needle Tracking (practices on phantoms)	Drs. P.T. Chui, B. Law, Debrial Or, Louis Mok and P. Pangthipampai

issps2014 Day 2 - Session 9: Workshop 4

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

1400-1530 h. Sonography for Pain Medicine

Workshop 4A	Cervical Spine Imaging (<i>includes Cervical Epidural, Cervical Facet, Medial branch and Greater Occipital Nerve Block</i>).	Drs. T Clarke, SC Lee, 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	Ultrasound Imaging for Suprascapular nerve, Piriformis muscle and Pudendal Nerve Injection.	Drs. Philip Peng, and M. Greher
Workshop 4D	Sacral Spine and Sacroiliac Joint Imaging for Chronic Pain Interventions.	Drs. Lin S and Candy Chiu
Workshop 4E	Ultrasound Guided Sympathetic Blocks for Pain Medicine: Stellate ganglion, coeliac plexus, and superior hypogastric plexus, and ganglion impar.	Drs. H. Shankar and Tim Brake

1530-1600 h. Break with the Exhibitors

issps2014 Day 2 – Session 10: Workshop 5

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

1600 - 1730 h. Sonography for Anaesthesia Workshop

Workshop 5A	Ultrasound Imaging of the Airway	Drs. B. Tsui, Debrial and P. Pangthipampai
Workshop 5B	Thoracic Paravertebral Sonography and Ultrasound guided Thoracic Paravertebral Block. <i>(Includes hands on practice using a pig carcass phantom)</i>	Drs. P. Gautier and B. D. O'Donnell
Workshop 5C	Electromagnetic and GPS needle tracking during USGRA (Basic principles and hands on practice using various phantoms). (Cancelled)	
Workshop 5D	1) PECS, Serratus Plane Block, TAP and Quadratus lumborum block. 2) Electromagnetic and GPS Needle Tracking (practices on phantoms)	1) Drs. R.B. Davila and J G. McDonnell 2) Drs. WH Kwok and Sylvia Au
Workshop 5E	Multi-level Thoracic Paravertebral and PECS Block for Surgical Anesthesia During Major Breast Cancer Surgery.	Drs. M.K. Karmakar, J.W. Li, F. Liu and B. Songthamwat

issps2014 Day 2 - Session 11: Workshop 6

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

1600 - 1730 h. Sonography for Pain Medicine

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. S. Lin and Tim Brake
Workshop 6C	Ultrasound Examination of the Ankle and Foot and Injection Techniques	Drs. T. Clarke and Peggy Li
Workshop 6D	Thoracolumbar Spine, Intercostal and Paravertebral Imaging for Chronic Pain Interventions.	Drs. M. Greher, Kristie Tsang and Candy Chiu
Workshop 6E	Ultrasound Examination of the Shoulder and Elbow and Injection Techniques	Drs. P. Peng, and S.C. Lee

1700 h: End of Day 2

Sunday, 2nd November 2014

issps2014 Day 3 - Session 12: Plenary Lecture Series 4. Moderator: Dr. M.K.Karmakar

0700-0800 h	Light Breakfast	
0800-0825 h	Ultrasound Related Biological Effects: Are there any Potential Adverse and Safety Issues?	Dr. H. Shankar
0825-00850 h	Sympathetic Blocks for Acute Pain Management. Does it Make Sense?	Dr. John G. McDonnell
0850-0915 h	Multilevel Thoracic Paravertebral Block for Surgical Anesthesia during Major Breast Cancer Surgery - Does it Work and if not What Does?	Dr. M.K. Karmakar
0915-0930 h	Panel Discussion Drs. Shankar, McDonnell and Karmakar	
0930-1000 h	Break with the Exhibitors	

issps2014 Day 3 - Session 13: Parallel Session III - Video Presentation of USG Interventions for Chronic Pain: Moderator: Dr. Peggy Li

1000 – 1130 h	<p>Video Demonstration of Ultrasound Guided Interventions for Chronic Pain</p> <ol style="list-style-type: none"> 1. US-Guided Sacroiliac Joint Injection. <i>Dr. Thomas Clarke</i> 2. US-guided Quadratus Lumborum and Piriformis Injection. <i>Dr. Thomas Clarke</i> 3. US-guided Selective nerve root injection (L2 L5 S1). <i>Dr. Sean C.S. Lin</i> 4. US-guided Pulsed Radiofrequency Ablation of a Peripheral Nerve. <i>Dr. Sean C.S. Lin</i> 5. US-guided Lumbar Medial branch block. <i>Dr. Manfred Greher</i> 6. US-guided Lumbar Transforaminal injection. <i>Dr. Michael Gofeld</i> 7. Use of Ultrasound for Intrathecal Pump placement and Refill. <i>Dr. Michael Gofeld</i> 8. US-guided Greater Occipital and 3rd Occipital Nerve Block. <i>Dr. S.C. Lee</i> 9. Use of Ultrasound for Spinal Cord Stimulation. <i>Dr. H. Shankar</i> 10. US-Guided L-Interlaminar Epidural and Intrathecal Injection for Pain Medicine. <i>Dr. Philip Peng</i>
1130-1200 h	Question and Answer Session (All Faculty)

issps2014 Day 3 - Session 14: Parallel Session IV - Video Presentation of USG Regional Anaesthetic Procedures: Moderator: Dr. M.K.Karmakar

1000-1130 h	<p>Video Demonstration of Ultrasound Guided Regional Anaesthetic Procedures (Single shot + Catheter techniques):</p> <ol style="list-style-type: none"> 1. How I perform an Interscalene Brachial Plexus catheter placement. <i>Dr. Ban Tsui</i> 2. How I perform an Infraclavicular Brachial Plexus Block. <i>Dr. John Laur</i> 3. How I perform a Parasacral Sciatic Nerve Block. <i>Dr. Carlo Franco</i> 4. How I perform a Serratus Plane Block. <i>Dr. R.B. Davila</i> 5. How I perform a Quadratus Lumborum Block. <i>Dr. R.B. Davila</i> 6. How I perform Regional Blocks for Cleft Lip and Palate Surgery. <i>Dr. Glen Merritt</i> 7. Brachial Plexus Block (single or continuous) at the Medial Infraclavicular Fossa. <i>Dr. M.K. Karmakar</i> 8. Bi-planar (X plane) Ultrasound Guidance for Central Neuraxial Blocks. <i>Dr. M.K. Karmakar</i> 9. Secrets of the L5S1 Gap for USG Intrathecal Injection in Patients with Difficult Backs. <i>Dr. M.K. Karmakar</i>
1130-1200 h	Question and Answer Session (All Faculty)

1200-1330 h. Lunch Break with the Exhibitors

issps2014 Day 3 – Session 15: Workshop 7

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

Workshop 7A	Ultrasound Imaging of the Airway	Drs. B. Tsui and Debrial Or
Workshop 7B	Electromagnetic and GPS needle tracking during USGRA (Basic principles and hands on practice using various phantoms). (Cancelled)	
Workshop 7C	Sonoanatomy relevant for Ankle Block	Drs. C. Franco, X. Paqueron and J Laur
Workshop 7D	1) PECS, Serratus Plane and Quadratus Lumborum Block 2) Electromagnetic and GPS Needle Tracking (practices on phantoms)	1) Drs. R.B. Davila and J G. McDonnell 2) Drs WH Kwok, S Au
Workshop 7E	Multi-level Thoracic Paravertebral and PECS Block for Surgical Anesthesia During Major Breast Cancer Surgery.	Drs. M.K. Karmakar, P. Gautier, J.W. Li, F. Liu and B. Songthamwat

issps2014 Day 3 - Session 16: Workshop 8

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

Workshop 8A	Ultrasound Examination of the Hip and Knee Joint and Injection Techniques	Drs. H. Shankar, M. Gofeld and Carina Li
Workshop 8B	Ultrasound Guided Sympathetic Blocks for Pain Medicine	Drs. M. Greher, Tim Brake and Kristie Tsang
Workshop 8C	Ultrasound Examination of the Ankle and Foot and Injection Techniques	Drs. T. Clarke, Peggy Li and P. Peng
Workshop 8D	Sacral Spine and Sacroiliac Joint Imaging for Chronic Pain Interventions.	Drs. Lin S, S.C. Lee and Candy Chiu
Workshop 8E	Ultrasound Examination of the Shoulder and Elbow and Injection Techniques (Cancelled)	

1530 h: End of Symposium
