

**International Symposium on Spine and Paravertebral Sonography
for Anaesthesia and Pain Medicine 2021
Live Webinar Series**

issps 2021 Webinar Series: Webinar I						
14 August 2021 (Saturday)		Ultrasound for Central Neuraxial Blocks - Lumbar Region.				
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 19:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong, China.</i>					
00:15-00:45h	Functional Anatomy Relevant for Central Neuraxial Blocks (Spinal and Epidural) in the Lumbar Region. <i>Dr. Bernhard Moriggl, Austria.</i>					
00:45-01:15h	Microanatomy of the Ligamentum Flavum and related Spinal Ligaments, Spinal Meninges, Dural sac and Cauda equina. <i>Dr. Miguel A Reina, Spain</i>					
01:15-01:45h	Computerized Tomographic and Magnetic Resonance Imaging Anatomy of the Lumbar Spine Relevant for Central Neuraxial Blocks. <i>Dr. Kenneth, Sheah, Singapore.</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Ultrasound Imaging of the Lumbar Spine Relevant for Central Neuraxial Blocks. <i>Dr. M.K. Karmakar</i>					
02:30-03:00h	Technical Consideration for Real-time Ultrasound Guided Lumbar Epidural, Intrathecal (Spinal) and Combined Spinal-epidural (CSE) Injections. <i>Dr. M.K. Karmakar, Hong Kong</i>					
03:00-03:30h	Ultrasound Imaging of the Lumbar Spine Relevant for Central Neuraxial Blocks: Sonoanatomy Demonstration in Volunteers. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
03:30-04:00h	Q&A Session					
04:00-04:15h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar II						
28 August 2021 (Saturday)		Ultrasound for Epidural and Paravertebral Injection – Thoracic Region.				
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00 h	Sydney 19:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
00:15-00:45h	Functional Anatomy Relevant for Thoracic Epidural and Paravertebral Injection. <i>Dr. Bernhard Moriggl, Austria.</i>					
00:45-01:15h	Computerized Tomographic and Magnetic Resonance Imaging Anatomy of the Thoracic Spine Relevant for Epidural and Paravertebral Injections. <i>Dr. Kenneth Sheah, Singapore.</i>					
01:15-01:45h	Ultrasound Imaging of the Thoracic Spine and Epidural Injection Technique. <i>Dr. M.K. Karmakar, Hong Kong</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Ultrasound Imaging of the Thoracic Paravertebral Region and Injection Techniques. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
02:30-03:00h	Ultrasound Imaging Relevant for Thoracic Epidural and Paravertebral Injection: Sonoanatomy Demonstration in Volunteers. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar III						
04 September 2021 (Saturday)		Ultrasound for Central Neuraxial and Paravertebral Injection in the Parturient and Patients with Difficult Spine.				
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 19:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
00:15-00:45h	Ultrasound Imaging of the Spine in the Morbidly Obese and Injection Techniques. <i>Dr. Jaime Baratta, USA</i>					
00:45-01:15h	Ultrasound for Central Neuraxial Blocks in the Obstetric population. <i>Dr. Brendan Carvalho, USA.</i>					
01:15-01:45h	Understanding the Pathophysiology of the Difficult Spine in patients with Scoliosis, Ankylosing spondylitis, Osteoarthritis and Rheumatoid arthritis. <i>Dr. Kenneth Sheah, Singapore</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Ultrasound for Neuraxial Blocks in Patients with Abnormal Spine – Scoliosis and Instrumented backs. <i>Dr. M.K. Karmakar, Hong Kong</i>					
02:30-03:00h	Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine –Video Presentation. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar IV						
18 September 2021 Webinar IV. Ultrasound for Neuraxial and Paravertebral Injections – Cervical, Lumbar and Sacral Region. (Saturday)						
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 19:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong, China.</i>					
00:15-00:45h	Functional Anatomy of the Cervical Spine and Paravertebral Region Relevant for Injection Techniques in Pain Medicine. <i>Dr. Georg Feigl, Germany.</i>					
00:45-01:15h	Ultrasound Imaging of the Cervical Spine and Paravertebral Region and Injection Techniques (includes Cervical Epidural, Cervical Facet, Medial branch, Cervical nerve root and peri-foraminal arteries, Greater and Lesser Occipital Nerve). <i>Dr. Shankar Hariharan, USA.</i>					
01:15-01:45h	Functional Anatomy of the Lumbar Paravertebral Region and Sacral Spine. <i>Dr. Georg Feigl, Germany.</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Ultrasound Imaging of the Lumbar Paravertebral Region and Injection Techniques (Lumbar plexus block). <i>Dr. M.K. Karmakar, Hong Kong.</i>					
02:30-03:00h	Ultrasound Imaging of the Sacrum and Injection Techniques (includes Caudal epidural, Sacral Transforaminal, SI Joint, and Piriformis Injection). <i>Dr. C.P. Lin, Taiwan.</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar V						
02 October 2021 Ultrasound Guided Injection Techniques for Common Chronic Pain Syndromes. (Saturday)						
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 19:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong, China.</i>					
00:15-00:45h	Ultrasound Guided Interventions for Cervicogenic Headache and Facial Pain. <i>Dr. C.P. Lin, Taiwan</i>					
00:45-01:15h	Ultrasound Guided Interventions for Low Back Pain: (lumbar approach: includes medial branch block including L5 dorsal ramus block, facet joint injection, Selective lumbar nerve root injection, and Quadratus lumborum injection). <i>Dr. Manfred Greher, Austria.</i>					
01:15-01:45h	Ultrasound Guided Peripheral Nerve Stimulation for the Treatment of Chronic Pain. <i>Dr. Amitabh Gulati, USA</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Ultrasound Guided Block of the Maxillary and Mandibular Nerve and Their Branches – The Lateral Pterygoid Plate Approach. <i>Dr. Yasuyuki Shibata, Japan</i>					
02:30-03:00h	Ultrasound Guided Nerve Blocks for Chronic Pelvic Pain. <i>Dr. Philip Peng, Toronto, Canada</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar VI						
16 October 2021 Webinar VI. When High-Definition Ultrasound Imaging Meets Microanatomy. (Saturday)						
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 20:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
00:15-00:45h	Functional Anatomy of the Brachial Plexus and Common Anatomical Variations. <i>Dr. Georg Feigl, Austria.</i>					
00:45-01:15h	Microanatomy of the Brachial Plexus and Potential Implication for Brachial Plexus Blockade. <i>Dr. Andre Pier Boezaart, South Africa.</i>					
01:15-01:45h	The Paraneural (Circumneural) Sheath and Fascial Compartments of the Brachial Plexus: A Myth or A Reality. <i>Dr. M.K. Karmakar, Hong Kong</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Functional Anatomy of the Sciatic Nerve and Common Anatomical Variations. <i>Dr. Georg Feigl, Austria.</i>					
02:30-03:00h	Microanatomy of the Sciatic Nerve and Implications for Popliteal Sciatic Nerve Blockade. <i>Dr. M.A Reina, Spain.</i>					
03:00-03:30h	Subparaneural Popliteal Sciatic Nerve Block – The Untold Story. <i>Dr. M.K. Karmakar, Hong Kong</i>					
03:30-04:00h	Q&A Session					
04:00-04:15h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar VII						
30 October 2021 (Saturday) Ultrasound Imaging of the Upper Extremity Nerves and Injection Techniques.						
Hong Kong 17:00h	New York 05:00h	London 10:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 20:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong, China.</i>					
00:15-00:45h	Sequential Ultrasound Imaging Technique (SUIT) to Identify the Individual Elements of the Brachial Plexus Above the Clavicle. <i>Dr. M.K. Karmakar, Hong Kong</i>					
00:45-01:15h	Ultrasound Imaging to Identify the Individual Elements of the Brachial Plexus Below the Clavicle (costoclavicular, medial and lateral infraclavicular, and axilla). <i>Dr. M.K. Karmakar, Hong Kong</i>					
01:15-01:45h	Ultrasound Imaging to Identify the Small Peripheral Nerves of the Upper Extremity (includes dorsal scapular, suprascapular, long thoracic, thoracodorsal, and intercostobrachial nerves). <i>Dr. Ke-Vin Chang, Taiwan</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Selective Trunk Block (SeTB) - An All Purpose Regional Anesthetic Technique for Upper Extremity Surgery. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
02:30-03:00h	Costoclavicular Brachial Plexus Block: All You Need to Know. <i>Dr. M.K. Karmakar, Hong Kong</i>					
03:00-03:30h	Ultrasound Imaging of the Individual Elements of the Brachial Plexus – Roots, Trunks, Divisions, Cords and Nerves (median, radial, ulnar, and musculocutaneous): Live Demonstration in Volunteers. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
03:30-04:00h	Q&A Session					
04:00-04:15h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar VIII						
13 November 2021 (Saturday) Thoracic Blocks for Perioperative Analgesia: Thoracic Epidural, Thoracic Paravertebral and Erector Spinae Plane Block.						
Hong Kong 17:00h	New York 04:00h	London 09:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 20:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
00:15-00:45h	Erector Spinae Plane Block: Sonoanatomy, Techniques and Mechanism of Action. <i>Dr. Michael Barrington, Australia</i>					
00:45-01:15h	Thoracic Paravertebral Block: Sonoanatomy, Techniques and Mechanism of Action. <i>Dr. M.K. Karmakar, Hong Kong</i>					
01:15-01:45h	Thoracic Epidural Anesthesia and Analgesia Should be the Technique of Choice for Unilateral Pain or Surgical Procedures in the Thorax (Multiple Fractured Ribs, Primary Breast Cancer Surgery, Video assisted thoracoscopic surgery and Thoracotomy). <i>Dr. Andre Pier Boezaart, South Africa.</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Thoracic Paravertebral Block Should be the Technique of Choice for Unilateral Pain or Surgical Procedures in the Thorax (Multiple Fractured Ribs, Primary Breast Cancer Surgery, Video assisted thoracoscopic surgery and Thoracotomy). <i>Dr. Per-Arne Lönnqvist Sweden.</i>					
02:30-03:00h	Erector Spinae Plane Block Should be the Technique of Choice for Unilateral Pain or Surgical Procedures in the Thorax (Multiple Fractured Ribs, Primary Breast Cancer Surgery, Video assisted thoracoscopic surgery, and Thoracotomy). <i>Dr. Yavuz Gurkan, Turkey.</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar IX						
27 November 2021 (Saturday) Regional Anesthesia: Variety is the Spice of Life.						
Hong Kong 17:00h	New York 04:00h	London 09:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 20:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong, China.</i>					
00:15-00:45h	Ultrasound Assessment of Hemidiaphragmatic Function and Phrenic Nerve Sparing Blocks for Upper Extremity Surgery (Shoulder, Arm, Elbow and Hand). <i>Dr. Justin Ko, South Korea.</i>					
00:45-01:15h	Thoracic Paravertebral Block for Surgical Anaesthesia During Primary Breast Cancer Surgery: There is More to it Than Meets the Eye. <i>Dr. M.K. Karmakar, Hong Kong.</i>					
01:15-01:45h	Innervation of the Knee Joint and Best Practices for Postoperative Analgesia after Total Knee Arthroplasty. <i>Dr. Shinichi Sakura, Japan</i>					
01:45-02:00h	Short Break with the Sponsor					
02:00-02:30h	Supra-inguinal Fascia Iliaca Block for Perioperative Analgesia after Total Hip Arthroplasty. <i>Dr. K. Vermeylen, Belgium.</i>					
02:30-03:00h	Innervation of the Hip Joint and PENG block for Hip Fracture and Hip Surgery. <i>Dr. Philip Peng, Toronto, Canada</i>					
03:00-03:30h	Inoperable Hip Fracture – Chemical Hip Denervation. <i>Dr. Kwun-Tung Ng Tony, Hong Kong</i>					
03:30-04:00h	Q&A Session					
04:00-04:15h	Wrap up and end of session					
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issps 2021 Webinar Series: Webinar X						
04 December 2021 Point of Care Ultrasound (PoCUS) for Anesthesiologists (Saturday)						
Hong Kong 17:00h	New York 04:00h	London 09:00h	New Delhi 14:30h	Singapore 17:00h	Sydney 20:00h	Buenos Aires 06:00h
00:00-00:15h	Welcome Address. <i>Dr. M.K. Karmakar, Hong Kong</i>					
00:15-00:45h	Point of Care Lung Ultrasound. <i>Dr. Sharidan Fathil, Malaysia</i>					
00:45-01:15h	Focused Cardiac Ultrasound (FoCUS) for the Regional Anesthesiologist. <i>Dr. Jan Boublik, USA</i>					
01:15-01:45h	Point of Care Airway Ultrasound. <i>Dr. Ban Tsui, USA</i>					
01:45-02:00h	Short Break with the Sponsors					
02:00-02:30h	Point of Care Gastric Ultrasound. <i>Dr. Vincent Chan, Canada</i>					
02:30-03:00h	Point of Care Ultrasound Shock Protocol for Anesthesiologists. <i>Dr. Adi Osman, Malaysia</i>					
03:00-03:30h	Q&A Session					
03:30-03:45h	Wrap up and end of session					
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