International Symposium on Spine and Paravertebral Sonography for Anaesthesia and Pain Medicine 2021 <u>Live Webinar Series</u>

14 August 2021 Ultrasound for Central Neuraxial Blocks - Lumbar Region. (Saturday)								
Hong Kong 17:00h		don New D 00h 14:30		Singapore 17:00h	Sydney 19:00h	Buenos Aires 06:00h		
00:00: 00:15h 00:15-00:45h 00:45-01:15h	Welcome Address. Dr. M.K. Ka Functional Anatomy Relevant f Microanatomy of the Ligament Reina, Spain	or Central Neuraxial Bloc um Flavum and related S	ks (Spinal and pinal Ligame	ents, Spinal Meninge	s, Dural sac and Cauda	equina. Dr. Miguel		
01:15-01:45h	Computerized Tomographic and Dr. Kenneth, Sheah, Singapore.	Magnetic Resonance Ima	aging Anaton	ny of the Lumbar Spi	ne Relevant for Central	Neuraxial Blocks.		
01:45-02:00h	Short Break with the Sponsor	~ . ~ . ~ . ~						
02:00-02:30h	Ultrasound Imaging of the Lum	•						
		al-time Ultrasound Guide	ea Lumbar Ep	pidurai, intrathecai (i	Spinar) and Combined	Spinai-epidurai (CSF		
02:30-03:00h	Injections. Dr. M.K. Karmakar,	Hong Kong						
		0 0	entral Neurax	xial Blocks: Sonoana	tomy Demonstration in	Volunteers. Dr. M.		
02:30-03:00h	Injections. <i>Dr. M.K. Karmakar</i> , Ultrasound Imaging of the Lun	0 0	entral Neuray	xial Blocks: Sonoana	tomy Demonstration in	Volunteers. Dr. M.		

28 August 2021 (Saturday)	Ultrasound for Epidural and Paravertebral Injection – Thoracic Region.							
Hong Kong 17:00h		ondon 0:00h	New Delhi 14:30h	Singapore 17:00 h	Sydney 19:00h	Buenos Aires 06:00h		
00:00: 00:15h	Welcome Address. Dr. M.K. K	Karmakar Ho	na Kona					
00:15-00:45h	Functional Anatomy Relevant			ral Injection. Dr. Bernh	ard Moriggl, Austria.			
	Computerized Tomographic and Magnetic Resonance Imaging Anatomy of the Thoracic Spine Relevant for Epidural and Paraverte							
00:45-01:15h	Computerized Tomographic at	nd Magnetic	Resonance Imaging Ana	ntomy of the Thoracic S	Spine Relevant for Epide	ural and Paravertebr		
00:45-01:15h	Computerized Tomographic at Injections. Dr. Kenneth Sheah,		Resonance Imaging Ana	ntomy of the Thoracic S	Spine Relevant for Epid	ural and Paravertebr		
		, Singapore.	0 0	·	•	ural and Paravertebr		
01:15-01:45h	Injections. Dr. Kenneth Sheah,	, Singapore.	0 0	·	•	ural and Paravertebr		
00:45-01:15h 01:15-01:45h 01:45-02:00h 02:00-02:30h	Injections. <i>Dr. Kenneth Sheah</i> , Ultrasound Imaging of the Tho	, Singapore. oracic Spine a	and Epidural Injection To	echnique. Dr. M.K. Kar	makar, Hong Kong			
01:15-01:45h 01:45-02:00h	Injections. <i>Dr. Kenneth Sheah</i> , Ultrasound Imaging of the Tho Short Break with the Sponsor	, Singapore. oracic Spine a oracic Paraver	and Epidural Injection To	echnique. <i>Dr. M.K. Kar</i>	makar, Hong Kong K. Karmakar, Hong Ko	ng.		
01:15-01:45h 01:45-02:00h 02:00-02:30h	Injections. <i>Dr. Kenneth Sheah</i> , Ultrasound Imaging of the Tho Short Break with the Sponsor Ultrasound Imaging of the Tho	, Singapore. oracic Spine a oracic Paraver	and Epidural Injection To	echnique. <i>Dr. M.K. Kar</i>	makar, Hong Kong K. Karmakar, Hong Ko	ng.		
01:15-01:45h 01:45-02:00h 02:00-02:30h	Injections. Dr. Kenneth Sheah, Ultrasound Imaging of the The Short Break with the Sponsor Ultrasound Imaging of the The Ultrasound Imaging Relevant	, Singapore. oracic Spine a oracic Paraver	and Epidural Injection To	echnique. <i>Dr. M.K. Kar</i>	makar, Hong Kong K. Karmakar, Hong Ko	ng.		

	04 September 2021 Ultrasound for Central Neuraxial and Paravertebral Injection in the Parturient and Patients with Difficult Spine. (Saturday)								
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> . Understanding the Pathophysiology of the Difficult Spine in patients with Scoliosis, Ankylosing spondylitis, Osteoarthritis and arthritis. <i>Dr. Kenneth Sheah, Singapore</i> 01:45-02:00h O2:00-02:30h Ultrasound for Neuraxial Blocks in Patents with Abnormal Spine – Scoliosis and Instrumented backs. <i>Dr. M.K. Karmakar, Ho</i> 02:30-03:00h Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine –Video Presentation. <i>Dr. M.K. Hong Kong</i> .			- 14 11 - 4			Buenos Aires 06:00h			
00:15-00:45h Ultrasound Imaging of the Spine in the Morbidly Obese and Injection Techniques. Dr. Jaime Baratta, USA 00:45-01:15h Ultrasound for Central Neuraxial Blocks in the Obstetric population. Dr. Brendan Carvalho, USA. Understanding the Pathophysiology of the Difficult Spine in patients with Scoliosis, Ankylosing spondylitis, Osteoarthritis and arthritis. Dr. Kenneth Sheah, Singapore 01:45-02:00h O2:00-02:30h Ultrasound for Neuraxial Blocks in Patents with Abnormal Spine – Scoliosis and Instrumented backs. Dr. M.K. Karmakar, Ho Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine – Video Presentation. Dr. M.K. Hong Kong.	00:00: 00:15h	Walcoma Address Dr M.V. Karmakar Hona Ko	na						
00:45-01:15h Ultrasound for Central Neuraxial Blocks in the Obstetric population. Dr. Brendan Carvalho, USA. Understanding the Pathophysiology of the Difficult Spine in patients with Scoliosis, Ankylosing spondylitis, Osteoarthritis and arthritis. Dr. Kenneth Sheah, Singapore 01:45-02:00h Short Break with the Sponsor Ultrasound for Neuraxial Blocks in Patents with Abnormal Spine – Scoliosis and Instrumented backs. Dr. M.K. Karmakar, Ho 02:30-03:00h Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine –Video Presentation. Dr. M.K. Hong Kong.		, ,	U	Techniques Dr Iaima I	Raratta IISA				
Understanding the Pathophysiology of the Difficult Spine in patients with Scoliosis, Ankylosing spondylitis, Osteoarthritis and arthritis. Dr. Kenneth Sheah, Singapore Short Break with the Sponsor Ultrasound for Neuraxial Blocks in Patents with Abnormal Spine – Scoliosis and Instrumented backs. Dr. M.K. Karmakar, Ho Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine –Video Presentation. Dr. M.K. Hong Kong.			3	•					
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02:30-03:00h Ultrasound Guided Central Neuraxial and Paravertebral Injection in patients with Difficult Spine –Video Presentation. Dr. M.K. Hong Kong.	01:45-02:00h	, 61							
Hong Kong.	02:00-02:30h	Ultrasound for Neuraxial Blocks in Patents with A	bnormal Spine - So	coliosis and Instrumented	backs. Dr. M.K. Kar	makar, Hong Kong			
	02:30-03:00h		tebral Injection in pa	atients with Difficult Spin	ne -Video Presentatio	n. Dr. M.K. Karmaka			
	03:00-03:30h								
03:30-03:45h Wrap up and end of session	03:30-03:45h	Wrap up and end of session							

York London 10:00h The Address. Dr. M.K. Karmakar onal Anatomy of the Cervical S Germany. The Address of the Cervical Section on the Cervical Section on the Cervical Section on the Cervical Section on the Lumbar Paragraph of the Lumbar Paragraph on the Lumbar Paragraph of the Lumbar Paragrap	Spine and Paravertebral Regipine and Paravertebral Regipot and peri-foraminal artericavertebral Region and Sacr	gion and Injection Teces, Greater and Lesser Cral Spine. Dr. Georg Fo	chniques (includes Cervi Occipital Nerve). <i>Dr. Sha</i> leigl, <i>Germany</i> .	ical Epidural, Cervic ankar Hariharan, USA
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onal Anatomy of the Lumbar Par Break with the Sponsor ound Imaging of the Lumbar Par	ravertebral Region and Saci	ral Spine. Dr. Georg Fe	eigl, Germany.	
Break with the Sponsor ound Imaging of the Lumbar Par	<u> </u>			
5 5	ravertebral Region and Inje	ction Techniques (Lun	nbar plexus block). Dr.	
	-			M.K. Karmakar, Ho
		•	•	
ound Imaging of the Sacrum and	Injection Techniques (incli	udes Caudal epidural, S	Sacral Transforaminal, S	SI Joint, and Piriforn
ion). Dr. C.P. Lin, Taiwan.				
Session				
ound Imaging for Cervical Spin	e and Paravertebral Region	n Relevant for Injectio	on Techniques (includes	Cervical Intervereb
Determination, Cervical Epidura	al, Cervical Facet, Medial	branch, Cervical nerve	e root and peri-foramina	al arteries, Greater a
Occipital Nerve): Sonoanatomy	Demonstration in Voluntee	ers. Dr. Stanley Lam, H	Hong Kong	
up and end of session				
	Session ound Imaging for Cervical Spin Determination, Cervical Epidur Occipital Nerve): Sonoanatomy	Session ound Imaging for Cervical Spine and Paravertebral Region Determination, Cervical Epidural, Cervical Facet, Medial Occipital Nerve): Sonoanatomy Demonstration in Voluntee	Session ound Imaging for Cervical Spine and Paravertebral Region Relevant for Injectic Determination, Cervical Epidural, Cervical Facet, Medial branch, Cervical nerve Occipital Nerve): Sonoanatomy Demonstration in Volunteers. <i>Dr. Stanley Lam, Fup and end of session</i>	Session ound Imaging for Cervical Spine and Paravertebral Region Relevant for Injection Techniques (includes Determination, Cervical Epidural, Cervical Facet, Medial branch, Cervical nerve root and peri-foramina Occipital Nerve): Sonoanatomy Demonstration in Volunteers. <i>Dr. Stanley Lam, Hong Kong</i> up and end of session

02 October 2021	Ultrasound Guided Injection Techniques for Common Chronic Pain Syndromes.							
(Saturday)								
Hong Kong	New York	London	New Delhi	Singapore	Sydney	Buenos Aires		
17:00h	05:00h	10:00h	14:30h	17:00h	19:00h	06:00h		
00:00: 00:15h	Welcome Addres	ss. Dr. M.K. Karmakar,	Hong Kong, China.					
00:15-00:45h	Ultrasound Guided Interventions for Cervicogenic Headache and Facial Pain. Dr. C.P. Lin, Taiwan							
00:45-01:15h	Ultrasound Guided Interventions for Low Back Pain: (lumbar approach: includes medial branch block including L5 dorsal ramus block							
) Quadratus lumborum inje				
01:15-01:45h	Ultrasound Guide	ed Peripheral Nerve Stir	nulation for the Treatme	ent of Chronic Pain. Dr.	Amitabh Gulati, USA			
01:45-02:00h	Short Break with	the Sponsor			,			
02:00-02:30h	Ultrasound Guide	ed Block of the Maxillar	y and Mandibular Nerv	e and Their Branches -	The Lateral Pterygoid I	Plate Approach.		
	Dr. Yasuyuki Shil		•		,,,	••		
02:30-03:00h	*	· •	onic Pelvic Pain. Dr. F	Philip Peng, Toronto, Ca	ınada			
03:00-03:30h	Q&A Session							
03:30-04:00h		ed Block of the Maxillar	v Mandibular and Ophi	thalmic Nerves and or th	eir Branches: Sonoanat	omy Demonstration		
05.50 00011		asuyuki Shibata, Japan.	j, manufoular and opin	than the rest and or the	on Branches, Bonouna	omy Demonstration		
		asuyuki Sinoata, Japan.						

16 October 2021 (Saturday)	Webinar VI. When High-Definition Ultrasound Imaging Meets Microanatomy.							
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. D	r. M.K. Karmakar, Hon;	g Kong.					
00:15-00:45h	Functional Anatomy	of the Brachial Plexus ar	nd Common Anatomical	Variations. Dr. Georg	Feigl, Austria.			
00:45-01:15h	Microanatomy of the	Brachial Plexus and Pot	ential Implication for B	rachial Plexus Blockade	. Dr. Andre Pier Boeze	aart, South Africa.		
01:15-01:45h	The Paraneural (Circu	imneural) Sheath and Fa	ascial Compartments of	the Brachial Plexus: A l	Myth or A Reality. Dr.	M.K. Karmakar, Hor		
	Kong							
01:45-02:00h	Short Break with the	Sponsor						
02:00-02:30h	Functional Anatomy	of the Sciatic Nerve and	Common Anatomical V	ariations. Dr. Georg Fe	eigl, Austria.			
02:30-03:00h	Microanatomy of the	Sciatic Nerve and Impli	cations for Popliteal Sci	atic Nerve Blockade. D	r. M.A Reina, Spain.			
03:00-03:30h	Subparaneural Poplite	al Sciatic Nerve Block	- The Untold Story. Dr.	M.K. Karmakar, Hong	Kong			
03:30-04:00h	Q&A Session							
04:00-04:15h	Wrap up and end of se	ession						

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 00:15-00:45h	Welcome Address. Dr. Sequential Ultrasound I Karmakar, Hong Kong			ividual Elements of the	Brachial Plexus Above	the Clavicle. <i>Dr. M.I</i>			
00:45-01:15h	Ultrasound Imaging to	Ultrasound Imaging to Identify the Individual Elements of the Brachial Plexus Below the Clavicle (costoclavicular, medial and latera infraclavicular, and axilla). Dr. M.K. Karmakar, Hong Kong							
01:15-01:45h	Ultrasound Imaging to	Ultrasound Imaging to Identify the Small Peripheral Nerves of the Upper Extremity (includes dorsal scapular, suprascapular, long thoracic, thoracodorsal, and intercostobrachial nerves). Dr. Ke-Vin Chang, Taiwan							
01:45-02:00h	Short Break with the Sp	onsor	0						
02:00-02:30h	Selective Trunk Block Kong.	(SeTB) - An All Purpo	ose Regional Anesthetic	e Technique for Upper I	Extremity Surgery. Dr. 1	M.K. Karmakar, Hon			
02:30-03:00h	Costoclavicular Brachia	l Plexus Block: All Y	ou Need to Know. Dr. M	M.K. Karmakar, Hong K	Kong				
03:00-03:30h				s – Roots, Trunks, Divis Karmakar, Hong Kong	sions, Cords and Nerves	(median, radial, ulna			
03:30-04:00h	Q&A Session								

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	. Dr. M.K. Karmakar, H	long Kong						
00:05.00:15h			ace: 3D Micro-CT Findi	nos and their Clinical Ir	nnlications for Nerve B	lockade Dr Yana HA			
00.15 00.1511	South Korea	oracie raraverteorar sp	acc. 3D Where CT Thia	ngs and their Chinear ir	inplications for fiverice B	nockade. Dr. Tang III			
00:45-01:15h		Erector Spinae Plane Block: Sonoanatomy, Techniques and Mechanism of Action. Dr. Michael Barrington, Australia							
01:15-01:45h									
01:45-02:15h	Thoracic Paravertebral Block: Sonoanatomy, Techniques and Mechanism of Action. <i>Dr. M.K. Karmakar, Hong Kong</i> Thoracic Epidural Anesthesia and Analgesia Should be the Technique of Choice for Unilateral Pain or Surgical Procedures in the Thoracic								
	(Multiple Fractured Ribs, Primary Breast Cancer Surgery, Video assisted thoracoscopic surgery and Thoracotomy). Dr. Andre Pie								
	Boezaart, South A	and the second s	3. 3,			3,			
02:15-02:30h	Short Break with t								
02:30-03:00h	Thoracic Paraverte	ebral Block Should be t	the Technique of Choice	e for Unilateral Pain or	Surgical Procedures i	n the Thorax (Multip			
	Fractured Ribs, Primary Breast Cancer Surgery, Video assisted thoracoscopic surgery and Thoracotomy). Dr. Per-Arne Lönnqvi.								
	Sweden.				•	•			
03:00-03:30h	Erector Spinae Pla	ane Block Should be th	e Technique of Choice	for Unilateral Pain or	Surgical Procedures in	n the Thorax (Multip			
	Fractured Ribs, Pr	imary Breast Cancer Su	rgery, Video assisted the	oracoscopic surgery, and	d Thoracotomy). Dr. Y	avuz Gurkan, Turkey			
03:30-04:00h	Q&A Session								
04:00-04:15h	Wrap up and end of	of session							

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.	Dr. M.K. Karmakar, H	long Kong, China.					
00:15-00:45h		ment of Hemidiaphragi and). Dr. Justin Ko, So		renic Nerve Sparing Blo	ocks for Upper Extremi	ty Surgery (Shoulder		
00:45-01:15h	Thoracic Paravertebral Block for Surgical Anaesthesia During Primary Breast Cancer Surgery: There is More to it Than Meets the Eye. Dr. M.K. Karmakar, Hong Kong.							
01:15-01:45h	Innervation of the	Knee Joint and Best Pra	ctices for Postoperative	Analgesia after Total K	nee Arthroplasty. Dr. S.	hinichi Sakura, Japa		
01:45-02:00h	Short Break with th	he Sponsor						
02:00-02:30h	Supra-inguinal Fas	cia Iliaca Block for Per	ioperative Analgesia aft	er Total Hip Arthroplast	ty. Dr. K. Vermeylen, B	elgium.		
02:30-03:00h	Innervation of the	Hip Joint and PENG blo	ock for Hip Fracture and	l Hip Surgery. Dr. Philip	Peng, Toronto, Canad	a		
03:00-03:30h	Inoperable Hip Fra	cture - Chemical Hip D	Denervation. Dr. Kwun-T	Tung Ng Tony, Hong Ko	ng			
03:30-04:00h	Q&A Session							
04:00-04:15h	Wrap up and end o	of session						
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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. D	r. M.K. Karmakar, Hong	g Kong					
00:15-00:45h	Point of Care Lung U	ltrasound. Dr. Sharidan	Fathil, Malaysia					
00:45-01:15h	Focused Cardiac Ultra	asound (FoCUS) for the	Regional Anesthesiolog	ist. Dr. Jan Boublik, USA	4			
01:15-01:45h	Point of Care Airway	Point of Care Airway Ultrasound. Dr. Ban Tsui, USA						
01:45-0200h	Short Break with the	Sponsors						
02-00-02:30h	Point of Care Gastric	Ultrasound. Dr. Vincent	Chan, Canada					
02:30-03:00h	Point of Care Ultrasor	and Shock Protocol for A	Anesthesiologists. Dr. A	di Osman, Malaysia				
03:00-03:30h	Q&A Session							
03:30-04:00h	Live Demonstration in	n Volunteers:						
	1. PoCUS A	irway and Lung. Dr. Sha	aridan Fathil, Malaysia					
	Focused C	Cardiac Ultrasound and I	PoCUS Shock Protocol.	Dr. Adi Osman, Malaysi	а			
04:00-04:15h	Wrap up and end of se	ession						