Stream A

Concurrent Session 13A: MSK & RHEUMATOLOGY 08:30 - 10:30
Ergonomic improvements to reduce work-related MSK disorders among sonographers
*Dr Yusef Sayeed*

Ultrasound in pain management *Dr Colin Chun Wai Chong*

Spondylarthrosis *A/Prof Fred Joshua*

Ultrasound-guided spine interventions *Dr Yusef Sayeed*

Vasculitis *Dr Helen Keen*

The role of musculoskeletal ultrasound in psoriatic arthritis *Dr Anita Lee*

Morning Tea 10:30 - 11:00

Concurrent Session 14A: MSK & RHEUMATOLOGY 11:00 - 13:00

Calf Injuries *Dr Peter Brukner*

Fascicles of the achilles tendon *Greg Lammers*

Quadriceps Injuries *Dr Peter Brukner*

Ultrasound of Myositis *Dr Helen Keen*

US Guided Regenerative Medicine Procedures for MSK Disorders *Dr Yusef Sayeed*

Ultrasound-guided percutaneous drainage of psoas abscess by using trans-iliac muscle approach: A three-year experience *Dong-Ho Ha*

Q&A

Lunch 13:00 - 14:00

Concurrent Session 15A: MSK & RHEUMATOLOGY 14:00 - 15:30

Scanning the wrist for ligament injuries *Le-Anne Grimshaw*

Ulnar Sided Wrist Pain *Jan Mulholland*

Advanced palmar fascia *Greg Lammers*

What the rheumatologist wants from the bilateral hand and wrist referral *A/Prof Fred Joshua*

Q&A

Afternoon Tea 15:30 - 16:00
Stream B

- Concurrent Session 13B: PoCUS- Abdomen
  - Trauma in obstetrics Dr Jorge Rabat
  - Paediatric trauma Dr Jorge Rabat
  - Advances in trauma ultrasound Prof Paul Sidhu
  - Should chest US supersede the supine CXR in trauma? Dr Amaali Lokuge
  - CEUS in gunshot wound of the liver - first experience in military mission Christian Richter
  - BUCKLED: Bedside ultrasound conducted in kids with distal upper limb fractures in the emergency department (observational trial) Dr Peter Snelling
  - Q&A

- Morning Tea

- Concurrent Session 14B: PoCUS- Abdomen
  - Ileus and obstruction Prof Dieter Nuernberg
  - Bowel pathology
  - Free gas Prof Dieter Nuernberg
  - The utility of Point-Of-Care Ultrasound (POCUS) in emergency department; an observational study Dr Pourya Pouryahya
  - GI cases for discussion Dr Leanne Hartnett, Prof Dieter Nuernberg, Anil Asthana

- Lunch

- Concurrent Session 15B: PoCUS - Abdomen
  - RUQ - not the usual stones Dr Leanne Hartnett
  - RIF pain Dr James Rippey
  - Appendix techniques Dr Wan-Ching Lien

- Afternoon Tea

- CLOSING PLENARY CEREMONY
  - Location: Plenary Level 2
Stream C

Concurrent Session 13C: CARDIAC- Valves
Aortic stenosis Ada Lo
Mitral regurgitation Dr Helen Thomson
Aortic regurgitation Ada Lo
Transoesophageal echocardiography for percutaneous valve interventions Dr John Gelman
Global challenge of early detection of RHD Dr Gillian Whalley
Q&A Panel Dr Gillian Whalley, Ada Lo, Dr Helen Thomson, Dr John Gelman

Morning Tea

Concurrent Session 14C: CARDIAC- Focus on the LV function assessment
Improving LVEF assessment – contrast and 3D A/Prof Stuart Moir
Strain imaging in clinical practice: practical tips for sonographers
Quantification of blood flow in 3D ultrasound - cardiac applications Prof J. Brian Fowlkes
Left atrial metrics for assessment of diastolic function: is this the future? Prof Liza Thomas
Evaluation of the effect of hemodialysis on left ventricular longitudinal strain function of myocardium in patients with uremia by velocity vector imaging Yang Li
Reference ranges for fetal cardiac measurements from two-dimensional echocardiography in Taiwanese Population Prof Ming-Ren Chen
Assessment of left ventricular systolic function and synchronicity in patients after coronary artery bypass using layer-specific strain technology Prof Lianzhong Zhang

Lunch

Concurrent Session 15C: CARDIAC POCUS
Training in POCUS echocardiography for intensivists Dr Vinodh B. Nanjayya
Echo by ED physicians – Case vignettes Dr Ash Mukherjee
Technology steps towards portable 3D ultrasound Prof J. Brian Fowlkes
Ensuring quality in point of care echocardiography
Stream D

- Concurrent Session 13D: GENERAL - MEN'S HEALTH
  - The ESUR guidelines for ultrasound assessment of varicoles *Prof Paul Sidhu*
  - ARFI and shear wave imaging of the prostate to delineate clinically-significant cancers *Dr Mark Palmeri*
  - Prostate brachytherapy *Dr Sylvia van Dyk*
  - Penile Ultrasound *Stephen Bird*

- Morning Tea

- Concurrent Session 14D: GENERAL - MEN'S HEALTH - SCROTAL
  - Ultrasound of acute scrotum *Dr Leandro Fernandez*
  - Shear Wave Elastography in the acute scrotum *Steven Abbott*
  - Testicular ultrasound in male fertility *Dr Leandro Fernandez*
  - Nutcracker syndrome: diagnosis with Doppler ultrasound *Prof Seung Hyup Kim*
  - Assessment of the scrotum for pain, masses and fertility *Stephen Bird*
  - Usefulness of evaluating testicular heterogeneity in cases of testicular torsion *Dr Phua Hwee Tang*

- Lunch

- Concurrent Session 15D: Prostate Fusion

- Afternoon Tea

- CLOSING PLENARY CEREMONY
  - Location: Plenary Level 2

Stream E

- Concurrent Session 13E: GYNAECOLOGY
  - PCOS: An international consensus
Common presentations in paediatric and adolescent gynaecology Dr Kate Stone

Assessing ovarian reserve: AFC versus AMH?

Uterine anomalies found on a baseline fertility scan: are they significant?

How I would conduct a baseline fertility scan Dr Davina Tai

Enhanced myometrial vascularity following delivery or early pregnancy loss: is it RPOC, AVMs or a physiological finding? Dr Michael Bethune

- Morning Tea 10:30 - 11:00
- Concurrent Session 14E: OBSTETRICS 11:00 - 13:00
  Intergrowth-21st: Findings from longer term follow up and implementation Prof Aris Papageorghiou
  What is the best chart to predict perinatal outcome? Prof Sue Walker
  Critical analysis of CPR Prof Sailesh Kumar
  New ideas about fetal Doppler Dr Teresa MacDonald
  FGR - Optimising the timing of delivery Dr Julia Unterscheider
  Q&A Prof Aris Papageorghiou, Prof Sue Walker, Prof Sailesh Kumar, Dr Teresa MacDonald and Dr Julia Unterscheider

- Lunch 13:00 - 14:00
- Concurrent Session 15E: OBSTETRICS Fetal Therapy 14:00 - 15:30
  Update on laser for TTTS Dr Mark Teoh
  Therapeutic ultrasound treatment for TTTS Prof Gail ter Haar
  Spina bifida in-utero repair Dr Glenn Gardener
  Ballon for diaphragmatic hernia: The TOTAL trial Dr Glenn Gardener
  Q&A Dr Mark Teoh, Prof Gail ter Haar and Dr Glenn Gardener

- Afternoon Tea 15:30 - 16:00
- CLOSING PLENARY CEREMONY 16:00 - 17:30

Stream F

- Concurrent Session 13F: WORKSHOPS - OBSTETRICS Live Scanning
  Live scanning 1: Morphology Angel Lee and Kate Guskich
Live Scanning 2: Fetal Heart Angel Lee and Kate Guslich 08:30 - 10:30
Live Scanning 3: Fetal Growth Angel Lee and Kate Guslich

- Morning Tea 10:30 - 11:00
- Concurrent Session 14F: WORKSHOPS MSK Live Scanning: Foot 11:00 - 13:00
  Live scanning workshop – Foot Stephen Bird
  Clinical Scenario Quiz Stephen Bird
  MSK Live Scanning: Foot and Rheumatology Dr Colin Chun Wai Chong
  Rheumatology Workshop Dr Colin Chun Wai Chong
  Quiz Dr Colin Chun Wai Chong

- Lunch 13:00 - 14:00
- Concurrent Session 15F: WORKSHOP MSK Live Scanning 14:00 - 15:30
  Live Scanning Workshop - Elbow Stephen Bird
  Quiz Stephen Bird

- Afternoon Tea 15:30 - 16:00
- CLOSING PLENARY CEREMONY 16:00 - 17:30
  Location: Plenary Level 2

Stream G

Concurrent Session 13G: GENERAL - HEAD & NECK Thyroid 08:30 - 10:30
Current concepts and management of the enigmatic thyroid nodule Dr Christopher Low
Thyroid classification: Where have we been and where are we going? Martin Necas
Post-operative thyroid US evaluation Dr Maria Cristina Chammas
Neural Network Thyroid Ultrasound Dr Rachael Bentall
Debate: Thyroid classification systems Martin Necas, Dr Maria Cristina Chammas, Dr Christopher Low, Prof Yung-Liang Wan, Moderator: Dr Daren Gibson

- Morning Tea 10:30 - 11:00
- Concurrent Session 14G: GENERAL - HEAD & NECK 11:00 - 13:00
  Radiofrequency ablation of thyroid nodules Dr Woojin Cho
Ultrasonography and ultrasound guided intervention of salivary gland masses by Prof. Yung-Liang Wan

Evaluation of cervical lymph nodes (duplex scan and color Doppler) by Dr. Maria Cristina Chammas

Vascular curiosities in the head and neck region by Martin Necas

Contrast enhanced ultrasound in head and neck lymph nodes by Steven Abbott

HPV in the head and neck region by Jo McCann

- Lunch

Concurrent Session 15G: GENERAL - HEAD & NECK

Intra-oral ultrasound by Dr. Daren Gibson

Advanced ultrasound applications in head and neck surgery by Dr. Christopher Low

Establishing a "One stop head and neck clinic" - the Fiona Stanley experience by Steven Abbott

Ultrasonographic prediction of the location of the proximal submandibular stones relative to the lingual nerve for the strategic transoral surgery by Prof. Jeong Kyu Kim

Development of radiofrequency ablation devices with neuromonitoring system to detect recurrent laryngeal nerve in thyroid nodule by Byung-Joo Lee

Ultrasound radimoics nomogram for predicting lymph node metastasis in papillary thyroid carcinoma by Dr. Shi-Chong Zhou

- Afternoon Tea

CLOSING PLENARY CEREMONY

Location: Plenary Level 2

Stream H

Concurrent Session 13H: WFUMB EDUCATION
The importance of WFUMB Education Prof Odd Helge Gilja
WFUMB plans and activities of e-learning Dr Adrian Goudie
Overview and challenges of WFUMB CoEs Prof Dieter Nurnberg
How to excel in running a CoE Prof Sudhir Vinayak
Improving ultrasound education in the Pacific Region Raymond Keshwan

Morning Tea

Concurrent Session 14H: Professional Issues for ALL Ultrasound Providers

Ultrasound education in Bangladesh Prof Kanu Bala
Portfolios and practices for lifelong learning in ultrasound education Dr Jillian Clarke
Point of Care Ultrasound Training for medical students: Is it beneficial? Dr Yuyang Tan
How we create sound for ultrasound imaging is changing - will these changes improve patient care? Kevin Rooker
Understanding the processes that contribute to a sonographers professional identity and role in communication in obstetric ultrasound Samantha Thomas
Time to establish pillars in Point of Care Ultrasound Carolynne J Cormack
Australian sonographer skill teaching practices survey: An inaugural report of the instructional approaches used to teach psychomotor skills required for clinical practice Delwyn Nicholls
Panel Discussion: Prof Kanu Bala, Dr Jillian Clarke, Yuyang Tan, Kevin Rooker, Samantha Thomas and Carolynne J Cormack

Lunch

Concurrent Session 15H: WFUMB Centres of Education

Introduction - the idea of WFUMB COEs Prof Dieter Nurnberg
15 years US education in a large and poor country – a drop in the ocean? Prof Kanu Bala - Bangladesh
US education in Africa – only possible with the help of (non-doctors) sonographer Michael Kawooya - Uganda
An East-Europe COE on the way to a real excellence centre Prof Ioan Sporea - Romania
US education in spite of long distances and problems with foreign languages Erdenebileg Bavuujav - Mongolia
Infection diseases – a big problem in Sudan and the role of US Dr Suzan Elhakim - Sudan

Situation in South America – more to do for WFUMB? Dr Ramon Bataglia - Paraguay

Discussion A/Prof Sue Westerway

- Afternoon Tea
  15:30 - 16:00
- CLOSING PLENARY CEREMONY
  16:00 - 17:30
  Location: Plenary Level 2

Stream I

- Concurrent Session 13I: PAEDIATRICS - Advanced Techniques
  08:30 - 10:30
  CEUS – what is it? Theory and technique Peter Burns
  CEUS in paediatric hepatic lesions Prof. Dr. Christoph F Dietrich
  Liver transplant US; how and when? Tania Griffiths
  Elastography in the child. Normal values for different tissues Prof. Dr. Christoph F Dietrich

- Morning Tea
  10:30 - 11:00

- Concurrent Session 14I: GENERAL - PAEDIATRICS Body
  11:00 - 13:00
  Thoracic US – Technique and pathology Prof. Dr. Christoph F Dietrich
  Blueberries vs Melons - Paediatric and adolescent breast ultrasound Sara Kernick
  AI augmented 3D ultrasound for hip dysplasia Dr Jeevesh Kapur
  US evaluation of the child and adolescent with gynaecological problems Dr Kate Stone

- Lunch
  13:00 - 14:00

- Concurrent Session 15I: GENERAL - PAEDIATRICS - Abdomen
  14:00 - 15:30
  US in appendicitis Lino Piotto
  Pyloric Stenosis: The Patient's Journey Joanne Tang
  Super-califragilistic-hyperbili-rubin-aemia! Clinical and sonographic presentation of biliary atresia Chelsea Russell and Sara Kernick
  The role of ultrasound and MRI in adolescent and paediatric gynaecology Dr Kate Stone and Dr Natalie Yang
Afternoon Tea

15:30 - 16:00

CLOSING PLENARY CEREMONY

Location: Plenary Level 2

16:00 - 17:30