Stream A

- Concurrent Session 5A: MSK & RHEUMATOLOGY 08:30 - 10:30
  - Ultrasound dissection of the rotator cuff *Prof Carlo Martinoli*
  - Shoulder: biceps and supporting structures *A/Prof David Connell*
  - Adhesive capsulitis of the shoulder *Dr Luis Fernando Chavarria Estrada*
  - *MRI vs US for shoulder imaging Dr Sebastian Fung*
  - *Imaging the post operative cuff Dr Simran Singh*
  - Q&A

- Morning Tea 10:30 - 11:00

- Concurrent Session 6A: MSK & RHEUMATOLOGY 11:00 - 13:00
  - Understanding fascial anatomy, its clinical significance, pathology and ultrasound assessment *Dr James Linklater*
  - Comparative assessment of ultrasound and MRI in acute injury of the thigh *Martine Chadwick*
  - Radial wrist pain *Dr Craig Harris*
  - Wrist lumps and bumps *Dr Craig Harris*
  - Forefoot ultrasound *Dr James Linklater*
  - Q&A

- Lunch 13:00 - 14:00

- Concurrent Session 7A: MSK & RHEUMATOLOGY 14:00 - 15:30
  - Ankle ligaments
    - Ankle tendons *Dr Craig Harris*
    - Ultrasound of the midfoot ligaments, syndesmosis and bands of the deltoid *Bridie Wylie*
    - Ankle instability *A/Prof Claudia Weidekamm*
    - Advancing the use of ultrasound finding in identifying patients with clinical signs of adhesive capsulitis (frozen shoulder) *Sumi Shrestha Taylor*

- Afternoon Tea 15:30 - 16:00

- Concurrent Session 8A: MSK & RHEUMATOLOGY
  - MR-US Fusion Techniques for MSK Interventions *Dr Ronald Adler*
Nerves and neuropathies of the upper limb Dr Thomas Moritz

Acute finger injuries up close Martine Chadwick

Diagnostic value of high resolution B-mode and Doppler Sonography for imaging of hand and finger joints in RA A/Prof Claudia Weidekamm

Computer Aided Diagnosis of Lymphoma based on Dual-mode ultrasound radiomics Jianwei Jiang

Comparison of imaging findings between calcific tendinitis with subacromial-subdeltoid bursitis and adhesive capsulitis Gi-Young Park

Gala Dinner

Plaza Ballroom

Stream B

Concurrent Session 5B: PoCUS - Heart

Right heart in critical illness Dr Li Huey Tan

LV function Dr Dierdre Murphy

Tamponade A/Prof Andrew Hilton

Volume assessment Dr Alistair Murray

Panel discussion: Interesting and difficult cases Dr Li Huey Tan, Dr Deirdre Murphy, A/Prof Andrew Hilton, Dr Alistair Murray

Morning Tea

Concurrent Session 6B: PoCUS - Heart

Valves in ED Dr Lindsay Bridgford

Cardiac masses/vegetations Dr Dierdre Murphy

TOE in ED Dr Lindsay Bridgford

Cardiac arrest echo Dr Adrian Goudie

Quiz on heart Dr Dierdre Murphy, Dr Lindsay Bridgford (Moderator Dr Adrian Goudie)

Lunch

Concurrent Session 7B: PoCUS – Anaesthetics

Essential Nerve Blocks for the ED Dr James Rippey, Dr Adrian Goudie, Dr Kylie Baker
Demonstration Dr James Rippey, Dr Adrian Goudie, Dr Kylie Baker

Time to establish pillars in Point of Care Ultrasound Carolynne J Cormack

Evaluation of a pilot programme on diagnostic thoracic ultrasound curriculum for acute care physiotherapists Dr George Ntoumenopoulos

- Afternoon Tea
  - 15:30 - 16:00

- Concurrent Session 8B: PoCUS- Anaesthetis
  - Airway ultrasound A/Prof Wan-Ching Lien
    - A novel technique for transoral ultrasound-guided aspiration of peritonsillar abscess – a single-arm feasibility study Tobias Todsen
    - Simulation education for ultrasound
    - Ultrasound for everyone
    - Panel - POCUS around the world Prof Wan-Ching Lien

- Gala Dinner
  - 19:00 - 23:59
    - Plaza Ballroom

Stream C

- Concurrent Session 5C: VASCULAR - Carotid and Neuro Imaging
  - Functional ultrasound imaging of the brain Prof Nico de Jong
  - PFO detection using TCD Kathryn Busch
  - Transcranial Doppler cerebral embolus detection during carotid and cardiac surgery: Successes and challenges Prof David H Evans
  - Blood flow measurement in cervical and intracranial arteries using quantitative magnetic resonance angiography and duplex sonography Prof David Skoloudik
  - TCD haemodynamics following resection of Brain arteriovenous malformations Kathryn Busch
  - Ocular Ischaemic Syndrome A/Prof Brian Chambers
  - CHORUS - Cerebral haemodynamics in Acute Ischaemic Stroke Dr Lilian Braighi Carvalho

- Morning Tea
  - 10:30 - 11:00
Concurrent Session 6C: VASCULAR - Peripheral Arterial and AVF

Carotid Ultrasound - how to interpret any waveform Prof Michelle Robbin

Con or common sense? A review of asymptomatic carotid artery screening Matt Adams

The novel technique of using superb microvascular imaging to determine intima media thickness Fatima M Hansan

Back to basics: the dreaded dialysis AV fistula scan Rachael Bekema

Ultrasound of hemodialysis AVF and graft Prof Michelle Robbin

Ultrasound for non-atherosclerotic arterial pathology Ramesh Tripathi

Dual frequency ultrasound angiography Prof F. Stuart Foster

How to optimise grey scale, colour and spectral Doppler for the highest diagnostic confidence Prof Michelle Robbin

Lunch

Concurrent Session 7C: VASCULAR - Venous Imaging

What’s new in venous, has anything changed? Prof. Andre van Rij

Nutcracker syndrome: diagnosis with Doppler ultrasound Prof Seung Hyup Kim

Non-venous causes of leg and arm swelling Prof Ulrike Hamper

Ultrasound findings after modern venous interventions Jayne Chambers

Transabdominal approach for ovarian vein incompetence Kathryn Busch

Can sonographers reliably scan perforator veins Rob McGregor

Venous Master Class made simple Jacqui Robinson

Afternoon Tea

Concurrent Session 8C: VASCULAR Ultrasound Guided Vascular Procedures

Sonothrombolysis: Effect of 220kHz insonation scheme Dr Christy K Holland

Using IVUS to improve treatment of complex lesions in the femoropopliteal arteries Richard Allan

The importance of proper sterile technique during vascular access Kevin Rooker

Gels and Germs: Arresting a global outbreak of healthcare-associated blood stream and other infections associated with contaminated sterile used for central line insertion under ultrasound guidance and other procedures Prof Ramon Shaban

Contrast ultrasound applied for ultrasound guided procedures Prof Michelle Robbin
IVUS guidance can optimise DCB treatment in the SFA Richard Allan

Q&A

Gala Dinner
Plaza Ballroom

Stream D

Concurrent Session 5D: BREAST Elastography 08:30 - 10:30
How to incorporate strain and shear wave Elastography into your practice? Dr Richard G Barr
Comparison of fat-to-lesion strain ratio to gland-to-lesion strain ratio with controlled precompression in characterising sonographically indeterminate and suspicious breast lesions Adj Asst Prof Rameysh Danovani Mahmood
Breast elastography early experiences Natalie Clements
The diagnostic performance of ultrasound and mammography in evaluating screening ultrasound detected breast lesions after adding elastography to ultrasound Prof Jianhua Zhou
Breast ultrasound for the non-expert: Pearls and pitfalls Prof Adrian Lim
Elastography of breast tumors: Pitfalls Dr Yi-Hong Chou

Morning Tea 10:30 - 11:00

Concurrent Session 6D: BREAST 11:00 - 13:00
Breast imaging in difficult women Dr Merran McKessar
Navigating the Minefield: Breast Ultrasound Sean Yeoh
Confocal endomicroscopy and breast cancer Dr Philip Currie and Lindsay Bussau

Lunch 13:00 - 14:00

Concurrent Session 7D: BREAST
Reducing harm, reducing recalls and benign biopsies in the under 60’s Dr John Waugh
The clinical utility of advancing ultrasound technologies in characterising and detecting breast lesions Prof Adrian Lim
The negative predictive value of elastography in avoiding biopsy for benign lesions such
as fibroadenoma? Dr Richard G Barr

- Afternoon Tea
  - Concurrent Session 8D: BREAST
    - 3D mammography
    - Correlating ultrasound with MRI and tomosynthesis in breast imaging Dr Merran McKessar
    - The "U Files" the truth is out there Dr Carolyn Nickson, Dr Darren Lockie

- Gala Dinner
  - Plaza Ballroom

Stream E

- Concurrent Session 5E: GYNAECOLOGY
  - From ovaries to endometrium: how do we differentiate benign from malignant?
    - From IOTA to O-RADs system: Tools to guide management of adnexal masses Dr Wouter Froyman
  - Balancing risks of surgery with risks of conservative management of benign adnexal masses Dr Wouter Froyman
  - Solid ovarian masses: Lessons and pitfalls Dr Wouter Froyman
  - Ovarian cancer screening: Where are we at now? Prof Tom Jobling
    - Reporting the endometrium and intracavitary lesions using the IETA terminology Dr Wouter Froyman
    - Differential diagnosis of a thickened endometrium Dr Mala Sibal

- Morning Tea
  - Concurrent Session 6E: OBSTETRICS
    - Pregnancy complications
Prediction of preterm delivery

US in pre-eclampsia Dr Ramon Bataglia

The small baby: Diagnosis, monitoring, delivery Prof Aris Papageorghiou

Abnormally adherent placenta Dr Heron Werner

The less spoken of extreme: fetal macrosomia Prof Jacques Abramowicz

Pitfalls in the use of shear wave elastography on the cervix Sandra O’Hara

The predictive value of ultrasound cervical measurements for obstetrical outcomes after history-indicated cerclage in singleton pregnancies with sonographic short cervix Po-Jen Cheng

Q&A

Lunch

Concurrent Session 7E: OBSTETRICS Fetal Neurology

Mild ventriculomegaly: The tip of the iceberg Prof Gustavo Malinger

Agenesis of the corpus callosum Prof Gustavo Malinger

Imaging in posterior fossa anomalies Prof Gustavo Malinger

When fetal MRI is necessary? Prof Stacy Goergen

Counselling after diagnosis of a CNS anomaly Prof Aris Papageorghiou

Q&A Prof Gustavo Malinger, Prof Stacy Goergen and Prof Aris Papageorghiou

Afternoon Tea

Concurrent Session 8E: OBSTETRICS Multiple Pregnancies

Chorionicity definition by ultrasound Dr Conrado Coutinho

Follow-up of dichorionic twins Dr Alice Robinson

Selective FGR Prof Aris Papageorghiou

Diagnosis and implications of TAPS Dr Mark Teoh

Q&A Dr Conrado Coutinho, Dr Alice Robinson, Prof Aris Papageorghiou, Dr Mark Teoh

Gala Dinner

Plaza Ballroom

Stream F

Concurrent Session 5F: WORKSHOPS- OBSTETRIC Live Scanning
T1 Heart *Dr Simon Meagher* 08:30 - 10:30
T1 CNS *Dr Simon Meagher*

New Frontiers *Dr Simon Meagher*

- Morning Tea 10:30 - 11:00
- Concurrent Session 6F: WORKSHOPS- MSK: Shoulder & Groin 11:00 - 13:00
  Live Scanning Workshop – Shoulder including post op *Craig Cairns*
  Clinical Scenario Quiz *Craig Cairns*
  Live Scanning Workshop – Groin *Bridie Wylie*
  Clinical Scenario Quiz *Bridie Wylie*

- Lunch 13:00 - 14:00
- Concurrent Session 7F: WORKSHOPS General Live Scanning: Kidney/Liver 14:00 - 15:30
  Workshop 1: Renal transplant *Paula King*
  Workshop 2: Liver Transplant *Lynne Johnson*

- Afternoon Tea 15:30 - 16:00
- Concurrent Session 8F: WORKSHOPS Hands-On Infection Prevention 16:00 - 17:30
  Gels and Germs: Arresting a global outbreak of healthcare-associated blood stream and other infections associated with contaminated sterile used for central line insertion under ultrasound guidance and other procedures *Prof Ramon Shaban*
  Ultrasound probe disinfection: research overview *Dr Jocelyne Basseal, A/Prof Sue Campbell Westerway*
  Rotation workshop with Trade partners – bring your questions and learn how to use ultrasound disinfection products for patient safety.

- Gala Dinner 19:00 - 23:59
  *Plaza Ballroom*

**Stream G**

- Concurrent Session 5G: EDUCATION Clinical education: From theory to practice
  Welcome and Overview *Prof Odd Helge Giljia*
The changing clinical teaching and learning environment: Tips for educators in the twenty first century Dr Loretta Garvey

Transitions in health professions education? Prof Charlotte Rees

The purpose of orientation and modelling in the clinical practice environment A/Prof Linda Sweet

Identifying and managing the underperforming student A/Prof Margaret Bearman

- Morning Tea
  10:30 - 11:00

- Concurrent Session 6G: EDUCATION-Teaching Psychomotor Skills
  11:00 - 13:00
  The science of teaching psychomotor skills Prof Debra Nestel
  Teaching a complex skill in ultrasound: Attempt with caution! Delwyn Nicholls
  Using simulation to teach laparoscopic surgical skills - tips, pearls, and pitfalls Dr Ram Nataraja
  Using a learning and skill acquisition plan to develop a learner’s knowledge, skills, and professional practice attitudes A/Prof Linda Sweet

- Lunch
  13:00 - 14:00

- Concurrent Session 7G: EDUCATION Simulation in Medical Education
  14:00 - 15:30
  Contemporary views of teaching and learning healthcare communication in the workplace Dr Charlotte Denniston
  Workshop: Facilitating workplace learning of healthcare communication in ultrasound education Dr Charlotte Denniston, Delwyn Nicholls, A/Prof Linda Sweet

- Afternoon Tea
  15:30 - 16:00

- Concurrent Session 8G: EDUCATION Social Media in Education
  16:00 - 17:30
  Twitter-understanding the power of social media in the context of clinical health education Anthony Wald
  To tweet or not!! (Including group work) Anthony Wald & Dr Gillian Whalley

- Gala Dinner
  19:00 - 23:59
  Plaza Ballroom
Stream H

- Concurrent Session 5H: The Great Infection Control Debate 08:30 - 10:30
  
  EDUP (Emergency Department Ultrasound Practice) results **Prof Ramon Shaban**
  
  POCUS Vascular Access probe cover research findings **Dr James Rippey**
  
  Interactive audience and panel discussion: Are we being over-cautious with infection prevention measures in ultrasound? **Dr Jessica Farrell (Microbiologist)**, **Prof Ramon Shaban (IPC specialist)**, **Dr James Rippey (ED physician)**, **Prof Jacques Abramowicz (Ob/Gyn ultrasound director)**, **Tania Griffiths (Senior Sonographer and Quality Manager)**, **Dr Warren Adie (ED physician)** and **Christopher Sykes (lawyer)**

- Morning Tea 10:30 - 11:00
- Lunch 13:00 - 14:00
- Afternoon Tea 14:00 - 15:30
- Gala Dinner 16:00 - 23:59
  
  Plaza Ballroom

Stream I

- Concurrent Session 5I: GENERAL Liver 1 08:30 - 10:30
  
  Where is liver elastography of most value to patient care? The present and the future **A/Prof William Kemp**
  
  Hepatic fibrosis: US elastography vs. MR elastography **Prof Byung Ihn Choi**
  
  RSNA/QIBA efforts to standardize shear wave speed as a biomarker for liver fibrosis staging **Dr Mark Palmeri**
  
  What is new in liver elastography **Prof Ioan Sporea**
  
  WFUMB guidelines liver elastography **Dr Richard G Barr**
  
  Preliminary clinical experience with shear wave dispersion (SWD) imaging of the liver **Marilyn Zelesco**
  
  Comparative study between a pSWE and 2D-SWE integrated in the same ultrasound machine taking Transient Elastography as reference method **Alina-Simona Popescu**

- Morning Tea 10:30 - 11:00
- Concurrent Session 6I: GENERAL Abdomen Liver 2
The clinical significance of the fatty liver epidemic *A/Prof William Kemp*

Implementation of the CAP/ATI/SWD *Marilyn Zelesco*

Quantitative ultrasound (US) imaging for fatty liver disease *Prof Byung Ihn Choi*

Non-invasive assessment of liver steatosis *Dr Giovanna Ferraioli*

Grading fatty liver and detecting liver pathological features - Is there consensus between sonographers and radiologists? *David Sheng-Liang Yang*

Assessing hepatic steatosis on ultrasound imaging using deep learning *Dr Jennifer Tang*

Elastography of the spleen *Dr Giovanna Ferraioli*

- Lunch

- Concurrent Session 7I: GENERAL Abdomen - Abdominal contrast
  - CEUS in benign focal liver lesions *Prof. Dr. Christoph F Dietrich*
  - CEUS in malignant liver lesions *Dr Maria Cristina Chammas*
  - FNH and Adenoma: an Update *A/Prof Tom Sutherland*

  Ultrasound & LIRADs - implementation and limitations *Prof. Dr. Christoph F Dietrich*
  The association of US LI-RADS visualization score and diagnostic outcome of US-guided percutaneous biopsy in patients at risk for hepatocellular carcinomas *Prof Sang Hyun Choi*
  Utility of Sonazoid-enhanced ultrasound-guided liver tumor biopsy for next-generation sequencing-based clinical sequencing *Dr Yuji Eso*

- Afternoon Tea

- Concurrent Session 8I: GENERAL Abdomen: Renal/male pelvis
  - Challenging genitourinary ultrasound cases *Prof Ulrike Hamper*
  - The day one renal transplant: US diagnosis *Greg Curry*
  - Comparison of ultrasonographic MicroFlow Imaging with contrast enhanced CT in the evaluation of renal mass *Prof Sung Il Hwang*
  - CEUS of indeterminate renal masses *Prof Seung Hyup Kim*
  - Re-defining Bozniak with CEUS of complex renal cysts *Dr Richard G Barr*

- Gala Dinner

  *Plaza Ballroom*