Stream A

- Concurrent Session 5A: MSK & RHEUMATOLOGY
  - 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

- Concurrent Session 6A: MSK & RHEUMATOLOGY
  - 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

- Concurrent Session 7A: MSK & RHEUMATOLOGY
  - 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

- 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 16:00 - 17:30
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 19:00 - 23:59
Plaza Ballroom

Stream B

Concurrent Session 5B: PoCUS- Heart 08:30 - 10:30
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 10:30 - 11:00

Concurrent Session 6B: PoCUS- Heart 11:00 - 13:00
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 13:00 - 14:00

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* 14:00 - 15:30

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** 16:00 - 17:30
  - 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** 08:30 - 10:30
  - 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 Ischameic Stroke *Dr Lilian Braighi Carvalho*

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

11:00 - 13:00

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

13:00 - 14:00

Concurrent Session 7C: VASCULAR- Venous Imaging

14:00 - 15:30

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

15:30 - 16:00

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 16:00 - 17:30

Q&A

Gala Dinner 19:00 - 23:59
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
Dr Richard G Barr
as fibroadenoma

14:00 - 15:30

Afternoon Tea
15:30 - 16:00

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

16:00 - 17:30

Gala Dinner
19:00 - 23:59

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
10:30 - 11:00

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 15:30 - 16:00
- 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 & LI-RADS - 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