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**
  **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
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 Ischaemic 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**

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**Lunch**
13:00 - 14:00

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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**

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**Afternoon Tea**
15:30 - 16:00

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Concurrent Session 8C: VASCULAR Ultrasound Guided Vascular Procedures
14:00 - 16:00

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
as fibroadenoma? Dr Richard G Barr 14:00 - 15:30

- Afternoon Tea 15:30 - 16:00
- Concurrent Session 8D: BREAST 16:00 - 17:30
  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 19:00 - 23:59
  Plaza Ballroom

Stream E

- Concurrent Session 5E: GYNAECOLOGY From ovaries to endometrium: how do we differentiate benign from malignant? 08:30 - 10:30
  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*  
T1 CNS *Dr Simon Meagher*  
New Frontiers *Dr Simon Meagher*

- **Morning Tea**  
  10:30 - 11:00

- **Concurrent Session 6F: WORKSHOPS- MSK: Shoulder & Groin**  
  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**  
  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**  
  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)

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
The clinical significance of the fatty liver epidemic  

A/Prof William Kemp  
11:00 - 13:00

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  

11:00 - 13:00

Lunch  

13:00 - 14:00

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  

14:00 - 15:30

Afternoon Tea  

15:30 - 16:00

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  

16:00 - 17:30

Gala Dinner  

19:00 - 23:59

Plaza Ballroom