Stream A

- Concurrent Session 9A: MSK & RHEUMATOLOGY 08:30 - 10:30
  Staying Focused: Ultrasound guided extracorporeal shockwave therapy in the management of MSK conditions Dr Joo Haw Ong
  Emergencies in MSK by US Dr Luis Fernando Chavarria Estnada
  Rational use of MSK PoCUS Dr Iain Bell
  Assessing crystal disease such as gout with ultrasound A/Prof Fred Joshua
  Quantitative ultrasound imaging to assess skeletal muscles in adults with Multiple Sclerosis: A feasibility study A/Prof Jing Gao

- Morning Tea 10:30 - 11:00

- Concurrent Session 10A: MSK & RHEUMATOLOGY 11:00 - 13:00
  Tendon and muscle imaging in sports injuries A/Prof Claudia Weidekamm
  DOMS Susan Diep
  Shear wave elastography in MSK Dr Ronald Adler
  Ultrasound of the Distal Biceps Tendon and Proximal Radioulnar Impingement Prof Carlo Martinoli
  Ganglia in unusual places Jan Mulholland

- Lunch 13:00 - 14:00

- Concurrent Session 11A: MSK & RHEUMATOLOGY 14:00 - 15:30
  Ultrasound of the anterolateral hip Prof Carlo Martinoli
  Groin pain in athletes Dr Daniel Walkley
  Morel lavallee Geoffrey Hong
  Ultrasound for pelvic neuralgia Le-Anne Grimshaw

- Afternoon Tea 15:30 - 16:00

- Concurrent Session 12A: MSK & RHEUMATOLOGY
  Ultrasound of nerves around the elbow and proximal forearm Prof Carlo Martinoli
  Dynamic assessment of the cubital tunnel for ulnar nerve dysfunction Stephen Bird
  Ultrasound of nerve tumours and tumour-like masses Prof Carlo Martinoli
  Ultrasound guided cryoanalgesia of peripheral nerve lesions Dr Ronald Adler
**Stream B**

- Concurrent Session 9B: PoCUS- O&G
  - Basic Foetal assessment *Dr Jayshree Ramkrishna*
  - Live Scanning *Dr Jayshree Ramkrishna*
  - Ovarian Masses *A/Prof George Condous*

- Morning Tea

- Concurrent Session 10B: PoCUS- O&G
  - Early pregnancy overview *Dr Adrian Goudie*
  - Ectopic: typical and atypical *Dr Mala Sibal*
  - Ovarian pain - cysts, torsion *A/Prof George Condous*
  - Quiz O&G *Dr Mala Sibal, A/Prof George Condous (Moderator Dr Adrian Goudie)*

- Lunch

- Concurrent Session 11B: PoCUS - Lung
  - Lung ultrasound is not a fishing expedition *Dr Kylie Baker*
  - PTx tips & tricks *Dr James Rippey*
  - Lung in children *Dr Adam O'Brien*
  - Usefulness of ultrasound of lung *Prof Kanu Bala*

- Afternoon Tea

- Concurrent Session 12B: PoCUS - Lung
  - Pleural effusions *Dr Sanjeevan Muruganandan*
  - Masses *Dr Sanjeevan Muruganandan*
  - To B or not to B - IS that the question? *Dr Kylie Baker*
  - Study of the correlation between pulmonary B-line artifact and the pathologic changes of pulmonary edema *Xihua Lian*
  - Point-of-care ultrasound a new option for early quantitative diagnosis of pulmonary edema *Xihua Lian*
Stream C

- Concurrent Session 9C: CARDIAC- Echocardiography: The Big Picture 08:30 - 10:30
  QC in the echo lab Prof Tom Marwick
  Guidelines in the real world – Challenges and solutions Dr Gillian Whalley
  Improving training and accreditation for cardiologists in Australia A/Prof David Prior
  Screening for left ventricular dysfunction: Role of Ultrasound

- Morning Tea 10:30 - 11:00

- Concurrent Session 10C: CARDIAC- Focus on the RV 11:00 - 13:00
  Comprehensive assessment of RV size and function Dr Leah Wright
  Pulmonary haemodynamics - State of the art in 2019 A/Prof David Prior
  Arrhythmogenic right ventricular cardiomyopathy A/Prof Arun Dahiya
  Right heart valvular disease Dr Leah Wright

- Lunch 13:00 - 14:00

- Concurrent Session 11C: CARDIAC- Exercise and the Heart 14:00 - 15:30
  Stress echocardiography for coronary artery disease
  Stress echocardiography for non CAD indications A/Prof Sudhir Wahi
  Diastolic stress echocardiography Dr Sandhir Prasad
  Athlete’s heart - Echocardiography and beyond

- Afternoon Tea 15:30 - 16:00

- Concurrent Session 12C: CARDIAC- Adult Congenital 16:00 - 17:30
  Systematic approach to echocardiography in ACHD Jill Fawcett
  Simple ACHD – case examples Ada Lo
  Echocardiographic in Complex ACHD Dr Sylvia Chen
  Complimentary role of echoardiography and cardiac MRI in ACHD A/Prof Arun Dahiya
  Training in ACHD – A sonographers viewpoint Jill Fawcett
Stream D

- Concurrent Session 9D: BREAST 08:30 - 10:30

  Can CEUS help stage breast cancer? **Prof Adrian Lim**
  Multicenter study to evaluate the difference between benign and malignant breast tumors by contrast-enhanced ultrasonography *(JABTS FLOW-CEUS 01 study -part 2-)*
  **Toshitaka Okuno**
  Investigation of contrast-enhanced ultrasound findings for the differential diagnosis of small breast lesions **Keitaro Kamei**
  A prediction model for assessing the response after neoadjuvant chemotherapy in patients with breast cancer: combination on contrast enhanced ultrasound and clinical pathological parameters **Yunxia Huang**
  Q&A

- Morning Tea 10:30 - 11:00

- Concurrent Session 10D: BREAST 11:00 - 13:00

  Patient Emotional Cues - how to read and manage them **Delwyn Morgan**
  From one-size fits all to bespoke: changes in population screening for breast cancer **Doris Whitmore**
  Oncoplastic breast surgery for the non-surgeon **Dr Andrew Ong**

- Lunch 13:00 - 14:00

- Concurrent Session 11D: BREAST - New & Novel Technologies 14:00 - 15:30

  21st Century Breast Pathology 101 **Dr Richard Juska**
  Semantic segmentation of breast lesion using deep learning **Dr Kenichi Inoue**
  Acoustic Radiation Force Impulse (ARFI) assessment of differential diagnosis of malignant and benign solid breast masses **Dr Chau Tran**
  Microwave ablation (MWA) for breast tumors **Prof Jie Yu**
  Artificial Intelligence: The Future of Breast Ultrasound? **Frauke Lever**
  Q&A

- Afternoon Tea 15:30 - 16:00
Concurrent Session 12D: BREAST
16:00 - 17:30
Point of care breast ultrasound from the surgeon's perspective Dr Andrew Ong
Breast Ultrasound: Beyond the black hole Dr Wayne Lemish
Addressing modifiable risk factors for breast cancer: can we talk about alcohol? Prof Dan Lubman
Preliminary report: Comparison of performance in combined screening with digital mammography and ultrasound versus conventional screening with digital mammography alone among Korean women aged 40-59 years old Prof Eun Hye Lee
B-mode ultrasound diagnostic flowchart for solid breast masses - JABTS BC-01 study Dr Takanori Watanabe

Stream E

Concurrent Session 9E: OBSTETRICS 08:30 - 10:30
Fetal renal parenchyma: Evaluation of a novel ultrasound measurement to assess kidney development Sonja Brennan
Accuracy of the morphology scan for the detection of fetal malformations Prof Sailesh Kumar
Fetal chest malformations Dr Stefan Kane
Should 3D be part of a routine obgyn ultrasound exam? Prof Jacques Abramowicz
3D reconstruction in fetal medicine Dr Heron Werner Jr
Q&A Sonja Brennan, Prof Sailesh Kumar, Dr Stefan Kane, Prof Jacques Abramowicz, Dr Heron Werner Jr

Morning Tea 10:30 - 11:00

Concurrent Session 10E: OBSTETRICS 11:00 - 13:00
Population screening for congenital heart malfomations Dr Ritu Mogra
Fetal atrial flutter and supraventricular tachycardia Prof Joanna Szymkiewicz-Dangel
Conotruncal anomalies Dr Paul Brooks
Single ventricle: Diagnosis and prognosis Prof Joanna Szymkiewicz-Dangel (Philips)
Ventricular septal defects Dr Paul Brooks
Q&A Dr Ritu Mogra, Prof Joanna Szymkiewicz-Dangel and Dr Paul Brooks
Lunch 13:00 - 14:00

Concurrent Session 11E: GYNAECOLOGY Role of Ultrasound in the investigation of pelvic pain and management of endometriosis

Endometriosis: A surgical perspective Prof Luk Rombauts
Performing an ultrasound to assess for DIE Dr Sofie Piessens
How ultrasound governs my surgical practice for endometriosis A/Prof George Condous
Ultrasound-based endometriosis scoring: UBESS Dr Mathew Leonardi
A novel ultrasound technique called saline-infusion sonoPODography to visualize and understand the pouch of Douglas and posterior compartment contents: a feasibility study Dr Mathew Leonardi
Myometrial pathology: The diagnosis and management Dr Lufee Wong
Diagnostic accuracy of transvaginal ultrasound and magnetic resonance imaging for the diagnosis of adenomyosis: systematic review and meta-analysis Dr Linly Liu

Afternoon Tea 15:30 - 16:00

Conferece Session 12E: GYNAECOLOGY Ultrasound in the diagnosis and management of complications in early pregnancy

Non-tubal ectopic pregnancies Dr Jayshree Ramkrishna
Diagnosis and management of Caesarean section scar pregnancy Dr Mark Teoh
Non-tubal ectopic pregnancies: An Australian experience A/Prof Ricardo Palma-Dias
Pelvic floor ultrasound: Essentials Prof Hans Peter Dietz

Stream F

Morning Tea 08:30 - 10:00

Concurrent Session 10F: WORKSHOPS-MSK 11:00 - 13:00

Live Scanning Workshop – Greater trochanteric pain syndrome - tendinopathy and differentials Dr Daniel Walkley
Clinical Scenario Quiz Dr Daniel Walkley
Four useful interventions using MSK PoCUS Dr Iain Bell
Clinical scenario quiz Dr Iain Bell
Lunch 13:00 - 14:00

Concurrent Session 11F: WORKSHOPS - Live Scanning: Head & Neck 14:00 - 15:30
Workshop: Overview of head & neck ultrasound Dr Christopher Low, Prof Yung-Liang Wan, Dr Rachael Bentall, Dr Daren Gibson and Jo McCann

Afternoon Tea 15:30 - 16:00

Concurrent Session 12F: WORKSHOPS- Head & Neck 16:00 - 17:30
Workshop: Overview of head & neck ultrasound Dr Christopher Low, Prof Yung-Liang Wan, Dr Rachael Bentall, Dr Daren Gibson and Jo McCann

Stream G

Concurrent Session 9G: EDUCATION Developing scholarly skills 08:30 - 10:30
How to review a journal paper critically Dr Christy K. Holland
Tips to publish your manuscript Simon Goudie
Plan S and open access: what is the future for society medical journals? Rebekah Collins
Hot topics in medical journal publishing: Publisher and Editors Panel discussion Dr Christy K. Holland, Rebekah Collins, Simon Goudie, Prof Linda Sweet

Morning Tea 10:30 - 11:00

Concurrent Session 10G: EDUCATION Mastering the provision of verbal feedback 11:00 - 13:00
The role and purpose of feedback in clinical practice- the current theory and practices Dr Christina Johnson
Delivering feedback in clinical practice- the models which assist your clinical practice Dr Christina Johnson
Workshop - Facilitating educators in their clinical practice role to deliver feedback A/Prof Linda Sweet supported by Dr Christina Johnson

Lunch 13:00 - 14:00

Concurrent Session 11G: EDUCATION
The pitfalls you should be aware of when using digital media, apps and technology for educational purposes Christopher Sykes
Novel and imaginative teaching in anatomical sciences: approaches and principles for
Applying new and futuristic pedagogical approaches to teach human anatomy

Prof Paul McMenamin

Afternoon Tea

Concurrent Session 12G: EDUCATION Adopters of ultrasound imaging: The Future

Teaching cardiac ultrasound: One size does not fit all Tony Forshaw

Introducing US into the emergency department- tips, tricks and perils Dr Adrian Goudie

The use of ultrasound imaging in rheumatology- our experiences to-date Lisa Hackett and A/Prof Fred Joshua

Teaching ultrasound in the undergraduate medical education curriculum- the lessons learned so far A/Prof Fred Joshua & Dr Allan Whitehead

The Hartnett Model: an effective low-resource training program that facilitates formal point-of-care ultrasound credentialing of emergency medicine trainees Dr Andrew Toffoli

Stream H

Concurrent Session 9H: GENERAL - ABDOMEN

Ultrasound of bile ducts Dr Antonio Carlos Matteoni de Athayde

Gallbladder polyps - incidental finding or potential cancer A/Prof Torben Lorentzen

CEUS of the gallbladder Jane Keating

Why the ABCB4 gene mutation matters in hepatobiliary ultrasound Prof Robert Gibson

Biliary neoplasia Prof Paul Sidhu

Morning Tea

Concurrent Session 10H: GENERAL - ABDOMEN New technologies

Angiogenesis of tumours, and how this affects CEUS Prof Peter Burns

Microbubbles in therapeutic ultrasound Prof J. Brian Fowlkes

Sonofluidic fabrication of microbubbles for imaging and therapy Prof Eleanor Stride

Magnetic nanodroplets for targeted drug delivery Prof Eleanor Stride

Acoustic protein nano-structures for contrast ultrasound Prof F. Stuart Foster

Constructive shear wave interference imaging to characterize skin sclerosis Dr Mark Palmeri
Image fusion technique and abdominal applications  
*Dr Caroline Ewertson*  
11:00 - 13:00

- Lunch  
13:00 - 14:00

- Concurrent Session 11H: GENERAL - Abdominal Intervention  
14:00 - 15:30

  **Biliary interventions**  
*Prof Dieter Nürnberg*

  **CEUS in hepatic tumor: Evaluation for RFA efficacy**  
*Dr Yi-Hong Chou*

  **CEUS applications for interventional ultrasound**  
*A/Prof Christian Nolsoe*

  **Palliative ultrasonography**  
*Prof Dieter Nürnberg*

  **Seeding after US-guided biopsy**  
*A/Prof Torben Lorentzen*

- Afternoon Tea  
15:30 - 16:00

- Concurrent Session 12H: GENERAL - ABDOMEN  
16:00 - 17:30

  **Sonography in Portal Hypertension**  
*Dr Leandro Fernandez*

  **TIPs**  
*Lynne Johnson*

  **Sonography of splenic tumors: The almost forgotten organ in abdominal US examination**  
*Dr Yi-Hong Chou*

  **What makes ultrasonography limited? Causes of missed hepatocellular carcinomas in surveillance ultrasonography for very high risk patients**  
*Dr Joon-Il Choi*

  **Comparison of the diagnostic performance of CT angiography and contrast-enhanced US in hepatic artery occlusion after liver transplantation**  
*Dr Jin Sil Kim*

  **Assessment of portal vein patency in patients with Symmers Bilharzial Periportal Fibrosis at the National Centre of Gastrointestinal & Hepatology from 2000-2015**  
*Dr Suzan Elhakeim*

**Stream I**

- Concurrent Session 9I: GENERAL - PAEDIATRICS MSK  
08:30 - 10:30

  **To Graf or not to Graf: Paediatric hip ultrasound**  
*Cain Brockley*

  **Hip US in hip pain – What else to look for**  
*Lino Piotto*

  **Ultrasound imaging of vascular anomalies: what the interventionalist needs to know**  
*Dr John Vrazas*

- Morning Tea
Concurrent Session 10I: PAEDIATRICS Renal  
10:30 - 11:00
Renal cystic disease: What's new? **Dr Jenny Bracken**
Fetal and neonatal US – what does the clinician need to know? **Dr Paddy Dewan**
Comparing antenatal renal tract dilatation guidelines to the new UTD guidelines - What's new? What's different? **Chinthra Panditaratne and Dr Jenny Bracken**
CEUS in the paediatric renal tract **Prof. Dr. Christoph F Dietrich**

Lunch  
11:00 - 13:00

Concurrent Session 11I: GENERAL - PAEDIATRICS Cranial and Vascular  
14:00 - 15:30
Meningitis and complications **Lino Piotto**
Paediatric Hydrocephalus - Size Does Matter! **San Tran**
Neonatal cranial ultrasound and MR imaging **Dr Gillian Whiteley**
The art of palsy **Cain Brockley**

Afternoon Tea  
15:30 - 16:00

Concurrent Session 12I: PAEDIATRICS - Superficial Structures  
16:00 - 17:30
Lumps and bumps. Common problems – does ultrasound help and how? **Dr Paddy Dewan & Dr Edda Chaves**
Eye US technique and clinical correlation **Cain Brockley**
Ultrasound assessment of the paediatric neck **Dr Edda Chaves**