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 08:30 - 10:30
  Basic Foetal assessment Dr Jayshree Ramkrishna
  Live Scanning Dr Jayshree Ramkrishna
  Ovarian Masses A/Prof George Condous

- Morning Tea 10:30 - 11:00

- Concurrent Session 10B: PoCUS- O&G 11:00 - 13:00
  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 13:00 - 14:00

- Concurrent Session 11B: PoCUS - Lung 14:00 - 15:30
  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 15:30 - 16:00

- 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
  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

- Concurrent Session 10C: CARDIAC- Focus on the RV
  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

- Concurrent Session 11C: CARDIAC- Exercise and the Heart
  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

- Concurrent Session 12C: CARDIAC- Adult Congenital
  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*
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**

**Concurrent Session 10D: BREAST**

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**

**Concurrent Session 11D: BREAST - New & Novel Technologies**

21st Century Breast Pathology 101 *Dr Richard Juska*

Semantic segmentation of breast lesion using deep learning *Dr Kenichi Inoue*

Acoustic Radiation Force Impluse (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**
Concurrent Session 12D: BREAST

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

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

Concurrent Session 10E: OBSTETRICS

Population screening for congenital heart malformations 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

Concurrent 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

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
health educators in the twenty first century Prof Paul McMenamin
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*

**14:00 - 15:30**

- **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? Chintha 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 13:00 - 14:00

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 14:00 - 15:30

Concurrent Session 12I: PAEDIATRICS - Superficial Structures 15:30 - 16:00

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