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**  
  10:30 - 11:00

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

- **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**  
  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 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

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 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
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

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

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 13:00 - 14:00
  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 - incidenal 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

Lunch

Concurrent Session 11H: GENERAL - Abdominal Intervention

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

Concurrent Session 12H: GENERAL - ABDOMEN

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

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  10:00 - 13:00
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?  Chinthia Panditaratne and Dr Jenny Bracken
CEUS in the paediatric renal tract  Prof. Dr. Christoph F Dietrich

Lunch  13:00 - 14:00

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