**May 2018**

# SutherSound
The Sutherland ED PoCUS Newsletter

## New PoCUS Quality Improvement JMO, Jason Ngai

The PoCUS JMO is a 6 month position for a critical care SRMO with an interest in US.  It is an opportunity for them to be involved in quality improvement projects and receive ultrasound training with the Clinical Lead in ED US and Sonographer Educator in ED (SEED).  Eilidh Dempster has been in the position for the last few terms and has successfully completed two documentation audits and an audit of US machine cleaning.  Unfortunately we must say goodbye to Eilidh this term as she returns to UK to start radiology training later in the year.  Jason Ngai will be replacing her and is already planning the ongoing QI projects which will include another documentation audit in June.  Jason attended the RPA accredited US course in PoCUS and will be supported by the faculty in performing supervised scans for his logbook.

## Reminder: Training Scans

A reminder to write 'TRAINING' in the patient details section when using the Sonosite Xporte for a training scan or where you are not documenting your scan in the patient notes.  This helps improve the accuracy of our documentation audits.

## Certificate in Clinician Performed US

Congratulations to Tanya Bautovich and Kris Yuen who after much dedication have recently completed CCPU modules.  Tanya has the EFAST and AAA CCPU and Kris the AAA CCPU.  We now have four consultants in the ED with CCPU modules which means they can now credential your scans!  An up to date list of consultants and the modules they can credential will be listed in each newsletter.

## Google logbook Update

We have now added Basic Early Pregnancy to the available US scans you can log using the Google Sheets link.  The link, which can be found on the PoCUS website,  can be saved to your smart phone so you can submit scans for credentialing at the bedside.   Contact Katrina Tsacalos to inform her when a specific scan has been reviewed along with the name of the reviewer.   She can update this in you logbook and will send you a copy of your logbook on request.
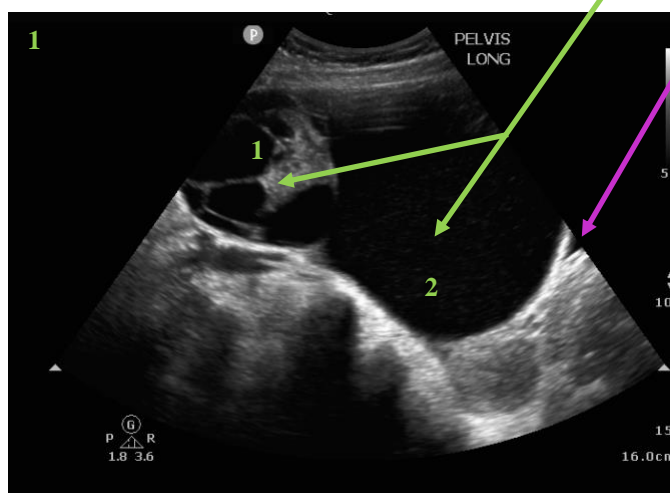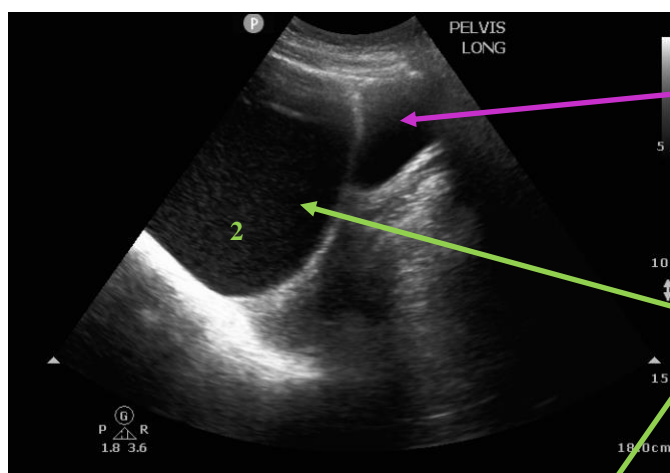
## POW Ultrasound Guide – get your copy!

Dr Alvaro Manovel from POWH has produced a fabulous beside US guide with lots of PoCUS tips and tricks. It covers core PoCUS modules as well as BELS, biliary and early pregnancy. Feel free to take one of the hard copies on my desk.

## She needs to go to US but won't stop peeing!

A 20 yo female presented to the ED with lower abdominal pain and frequency. Over the last 6 months she had also noticed a lump in the area. On examination she had a mass in the right lower abdomen. Her beta HCG was negative. She was admitted to the Short Stay Unit awaiting an USS and O and G review. After a 10 hour overnight admission she was about to be taken to her USS when the nurses reported that she was continuously passing urine and they couldn't keep her bladder full for the scan. A bladder scan was requested which showed 1L. Something didn't add up. And this is why……….



Bladder – non distended

Ovarian tissue. Although parts 1 and 2 look separate, they were one continuous structure – the R ovary.

Bladder

The large cystic component measured 10cm and was mistaken as the 1L bladder on bladder scan. Patient ended up having a work up for possible ovarian malignancy.

EFAST skills ensured earlier O&G review and prevented unnecessary catheter placement.

**SutherSound Newsletter | May 10th 2017 |**

# ULTRASOUND PHYSICS SEMINAR

## with Roger Gent

### 20th and 21st of August 2018

*Learn US Physics from the Master...*

**Program includes:**

- Physical properties
- Transducer and beamforming concepts
- Knobology/resolution, harmonics
- Image artifacts
- Common errors in sonography caused by Inappropriate technical selections/choices
- Doppler – basic physics, colour, artefacts and more
- Bioeffects and safety, MI/MT phantoms

**Registration: 2 days**

- $550 including GST

Registration details to sueroncal@gmail.com

This lecture series is aimed at those people who are interested in understanding how ultrasound works. It is especially aimed for those interested or in the process of doing the Diploma of Diagnostic Ultrasound.

Roger Gent's involvement with diagnostic ultrasound spans more than 40 years, with particular interest in paediatric sonography and also in the physics and technology aspects. He has been an invited speaker at more than fifty national and international meetings and regularly presents lectures and workshops at ultrasound courses in Australia. He is the author or co-author of more than seventy articles, has received several awards from professional ultrasound bodies, is an Honorary Fellow of ASUM and was a member of the ASUM DMU Board of Examiners for twenty years. He was made a Member of the Order of Australia in 2009, for services to Paediatric Ultrasound.

**Venue:**

**Museum of Sydney**

**Warren theatre**

**Location:**