This program is offered in association with Monash University

THE AUSTRALIAN SCHOOL OF MEDICAL IMAGING

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Introductory Sonography for Emergency Physicians
A SERIES OF INTENSIVE FOUR DAY SEMINARS
Offered in association with Monash University
## Goals
An intensive and enjoyable training experience designed to introduce registrants to emergency department sonography. A program which emphasises the performance of practical sonography skills with clear objectives and genuine competency assessment at the conclusion of the seminar.

## Faculty
- **Dr Andrew Haig**
  - Staff Specialist in Emergency Medicine and Director of Clinical Training at Royal North Shore Hospital
  - Accredited Medical Sonographer

- **Ms Sue Hewlett**
  - Accredited Medical Sonographer

## Curriculum

### Day 1
**Morning - 9.00am to 12.00 midday**
- **Physics and Instrumentation**
  - Dr Rob Gill
  - *Introduction to Ultrasound Physics*
  - *Transducer Construction and Function*
  - *Beam Formation*
  - *Pre/Post Processing*
  - *Image Optimisation*
  - *Artifacts*
- **Scanning Technique**
  - *Discussion of anatomic planes and biplanar/polyplanar scanning technique*
  - *Transducer orientation and manipulation*
  - *Positioning of the Patient*
  - *Common Pitfalls and remedies*

**Afternoon - 1.00pm to 4.00pm**
- **AAA/Vasc. Access and Lower Limb DVT Scanning in the Emergency Department**
  - Dr Andrew Haig
  - *Didactic Lecture*
  - *Comprehensive discussion of emergency department clinical presentations and appropriate ultrasound protocols*
  - *Scanning technique*
  - *Pathology recognition*

### Day 2
**Morning - 9.00am to 12.00 midday**
- **Lower Limb DVT**
  - *Identification of CFV and SFJ*
  - *Identification of SFV, Popliteal and Proximal veins including compression technique*
  - *Powerpoint quiz and clips of positive DVT studies*
  - *Acute Vs Chronic DVT*
  - *Superficial Venous Thrombophlebitis*
  - *Common pathologies with imaging in lower limb DVT (Bakers Cyst, Muscle Tear)*
  - **Competency Assessment**

**Afternoon - 1.00pm to 4.00pm**
- **Abdominal Aortic Aneurysm Sonography**
  - *Transducer Selection and Machine Optimisation*
  - *Anatomy relevant to AAA examinations*
  - *Scanning Technique*
  - *Normal appearance and measurement technique*
  - *DD of AAA with examples, measurement technique*
  - *Appearance of Luminal Thrombus*
  - *Common Pitfalls and Strategies*
  - **Competency Assessment**

### Day 3
**Morning - 9.00am to 12.00 midday**
- **F.A.S.T., Biliary and Renal Sonography in the Emergency Department**
  - Dr Andrew Haig
  - *Didactic Lecture*
  - *Comprehensive discussion of emergency department clinical presentations and appropriate ultrasound protocols*
  - *Scanning technique*
  - *Pathology recognition*

**Afternoon - 1.00pm to 4.00pm**
- **F.A.S.T. Scanning**
  - *Scanning Technique*
  - *Perihepatic*
  - *Perisplenic*
  - *Pelvic*
  - *Pericardial*
  - *Sonographic appearances of normal and positive examinations (haemoperitoneum, haemothorax and haemopericardium)*
  - **Competency Assessment**

### Day 4
**Morning - 9.00am to 12.00 midday**
- **Renal Sonography in the Emergency Department**
  - *Transducer Selection and Machine Optimisation*
  - *Anatomy*
  - *Sagittal and coronal scan planes for renal examination*
  - *Biplanar examination of the kidneys for cortical thickness, renal pelvis and major calyces*
  - *Ultrasound Appearances of common pathologies*
  - *Powerpoint quiz on caliectasis, renal cysts and atrophy*
  - *Common Pitfalls*
  - **Competency Assessment**

**Afternoon - 1.00 to 4.00pm**
- **Review/QA**
- **Competency Assessment**
- *All areas of scanning (prac scanning and pathology recognition on stored images)*

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**2008 Course Dates**
1. **1st to 4th February**
   - Code: SEMEM0801
2. **11th to 14th March**
   - Code: SEMEM0802
3. **15th to 18th April**
   - Code: SEMEM0803

**Registration Fee**
$2750.00 AUD

For further information or to register please phone ASMI on **(02) 9482 8711**