INTRODUCTORY SONOGRAPHY FOR EMERGENCY PHYSICIANS AND SURGEONS
A SERIES OF INTENSIVE FOUR DAY SEMINARS
Offered in association with Monash University
Introductory Sonography for Emergency Physicians and Surgeons

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
Mr Rob McGregor
Accredited Medical Sonographer
Ms Sue Hewlett AMS
Accredited Medical Sonographer

Curriculum

Day 1
Morning - 8.45am 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 12.00midday
Lower Limb DVT
• Identification of CFV and SFJ
• Identification of SVF, Popliteal and prox calf veins including compression technique
• Powerpoint quiz and clips of positive DVT studies
• Acute Vs Chronic DVT
• Superficial Venous Thrombophlebitis
• Common pathologies which may mimic 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
• ID of AAA with examples, measurement technique
• Appearance of Liminal Thrombus
• Common Pitfalls and Strategies

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
• Pelvic
• Percardial
• Sonographic appearances of normal and positive examinations (haemopentoneum, haemothorax and haemopericardium)

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 calicetasis, renal cysts and atrophy
• Common Pitfalls

Competency Assessment

Day 5
Afternoon - 1.00 to 4.00pm
Review/QA

Registration Fee
$ 2750.00 AUD

For further information or to register please phone ASMi on (02) 9482 8711 or email marketing@asmi.edu.au

This seminar is eligible for 30 MOPS points with ACEM recognition and provisional accreditation with ASUM