

# GWH FUSIC Heart Course

Focused Ultrasound in Intensive Care

Monday 30<sup>th</sup> January 2023

## Programme

**Target audience** Acute and critical care clinicians with an interest in point of care cardiac ultrasound. Advanced clinical practitioners in cardiology, acute medicine and critical care also welcome.

- Aims**
- Understand basic echocardiographic theory, indications and limitations of FUSIC Heart echocardiography and the FUSIC Heart accreditation process
  - Establish skills in point of care echocardiography, recognise normal and abnormal findings, identify major cardiac pathology relevant to the FUSIC Heart scan

**Course contact** Harriet Walters – Clinical Educator  
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### Online Learning Programme

Delegates will be given access to online learning 2 weeks prior to the practical session

Title	Duration	Speaker/s
Introduction to FUSIC Heart	10 mins	Mrs Harriet Walters <i>Clinical Educator, Wiltshire Cardiac Centre, GWH</i>
Basics of Echocardiography / Ultrasound Physics	60 mins	Mrs Jane James <i>Clinical Physiology Trainer, GWH</i>
Finding the FUSIC Heart Views Video	30 mins	Mrs Harriet Walters <i>Clinical Educator, Wiltshire Cardiac Centre, GWH</i> Dr Helen Rimington <i>Clinical Educator, Wiltshire Cardiac Centre, GWH</i>
The FUSIC Heart Accreditation Process	15 mins	Current FUSIC trainee at GWH
FUSIC Heart Pathologies and Case Studies	60 mins	Dr Badri Chandrasekaran <i>Consultant Cardiologist, Wiltshire Cardiac Centre, GWH</i>
FUSIC Heart in Action and FUSIC Heart Governance	30 mins	Dr Robert Hughes <i>Consultant Physician, GWH</i> Dr Timea Novak <i>Consultant Physician, GWH</i>
Utility, Futility and FUSIC Heart	30 mins	Dr Helen Rimington <i>Clinical Educator, Wiltshire Cardiac Centre, GWH</i>

**Practical Session Monday 30<sup>th</sup> January** *Delegates to attend morning OR afternoon session*

Session 1 (Cohort 1) AM			
08:00 – 08:15	Registration		
08:15 – 09:00	Live FUSIC Heart demonstration Dr Jeremy Astin, Consultant in Critical Care and Anaesthesia, GWH Mrs Amanda Colling, Non-invasive Lead Cardiac Physiologist, Wiltshire Cardiac Centre, GWH		
Station Rotations			
09:00 – 09:40	Group A: Station 1	Group B: Station 2	Group C: Station 3
09:40 – 10:20	Group A: Station 3	Group B: Station 1	Group C: Station 2
Break 10:20 – 10:30			
10:30 – 11:10	Group A: Station 2	Group B: Station 3	Group C: Station 1
11:10 – 11:50	Quick-fire FUSIC All delegates to perform one real-time FUSIC Heart scan on simulator with unknown pathology		
Wrap up Feedback forms & attendance certificates 11:50 – 12:00			

Session 2 (Cohort 2) PM			
13:00 – 13:15	Registration		
13:15 – 14:00	Live FUSIC Heart demonstration Dr Jeremy Astin, Consultant in Critical Care and Anaesthesia, GWH Mrs Amanda Colling, Non-invasive Lead Cardiac Physiologist, Wiltshire Cardiac Centre, GWH		
Station Rotations			
14:00 – 14:40	Group A: Station 1	Group B: Station 2	Group C: Station 3
14:40 – 15:20	Group A: Station 3	Group B: Station 1	Group C: Station 2
Break 15:20 – 15:30			
15:30 – 16:10	Group A: Station 2	Group B: Station 3	Group C: Station 1
16:10 – 16:50	Quick-fire FUSIC All delegates to perform one real-time FUSIC Heart scan on simulator with unknown pathology		
Wrap up Feedback forms & attendance certificates 16:50 – 17:00			