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**FUSIC heart and FAMUS combination course**

**Target audience**: All clinicians interested in Point of Care Ultrasound, including PAs .

**Aims**:

* Establish your skills to deliver a focused bed-side US study in the unwell patients.
* Focus on the triple scan approach (Heart-Lung-IVC) to dyspnoea

**Pre-course learning**:

* *FUSIC Heart module* – ICE-BLU e-learning module (e-lfh.org.uk) and Intensive Care Society FUSIC Heart module online lectures (£10).
* *FAMUS* – FAMUS e-learning package and assessment (e-lfh.org.uk) and online lectures.

**Sessions**:

* Small teaching groups (max 3 per group) to maximise scanning time with state-of-the-art US machines and hand handle devices.
* Expert faculty from Intensive Care, Acute Medicine and Emergency Medicine.
* Half-day of non-stop practice on models, simulated clinical scenarios and phantoms

**Mentorship:** Possibility of hiring a Butterfly IQ probe for collecting cases for accreditation and enrolling into remote mentorship (REsUS initiative). More info on [www.pocusfrimley.com](http://www.pocusfrimley.com)

**Prices:**

* FUSIC Heart (day 1, morning or afternoon session) – £315.
* FAMUS-FUSIC lung & abdomen (day 2, morning or afternoon session) – £325.
* Both days: £550.

**To register:** on line registration and paymenton www.pocusfrimley.com





**Full programme and information on**: [www.pocusfrimley.com](http://www.pocusfrimley.com)

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Timetable Day 1 FUSIC Heart, Morning Group

**0810-0825: Registration**

**0825-0830: Introduction**

**0830-1040: Hands on session 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **PLAX/PSAX** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 0830-0900 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| 0900-0920 | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |

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| --- | --- | --- | --- | --- | --- |
| **A4C** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 0920-0940 | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| 0940-1000 | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |

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| **Subcostal/****IVC/pleural** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 1000-1020 | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |
| 1020-1040 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |

**1040-1055: Break and refreshments**

**1055-1235: Hands on session 2**

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| **Full ECHO studies** | Station 1 | Station 2 | Clinical scenarios  | Spot diagnosis | Station 5 Simulator |
| 1055-1115 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| 1115-1135 | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| 1135-1155 | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| 1155-1215 | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |
| 1215-1235 | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |

**1235-1245: Closing remarks, feedback and certificates**



Timetable Day 1 FUSIC Heart, Afternoon Group

**1310-1325: Registration**

**1325-1330: Introduction**

**1330-1540: Hands on session 1**

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| --- | --- | --- | --- | --- | --- |
| **PLAX/PSAX** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 1330-1400 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| 1400-1420 | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |

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| **A4C** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 1420-1440 | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| 1440-1500 | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |

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| **Subcostal/****IVC/pleural** | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| 1500-1520 | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |
| 1520-1540 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |

**1540-1555: Break and refreshments**

**1555-120: Hands on session 2**

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| --- | --- | --- | --- | --- | --- |
| **Full ECHO studies** | Station 1 | Station 2 | Clinical scenarios  | Spot diagnosis | Station 5 Simulator |
| 1555-1615 | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| 1615-1635 | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| 1635-1655 | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| 1655-1715 | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |
| 1715-1735 | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |

**1735-1745: Closing remarks, feedback and certificates**



Timetable Day 2 FAMUS/FUSIC (lung-abdomen-DVT) Morning Group

**0810-0825: Registration**

**0825-0830: Introduction**

**0830-1015: Hands on session 1**

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| --- | --- | --- | --- | --- | --- |
|  | **Lung** | **Lung** | **Lung** | **Lung** | **Lung** |
| **0830-0850** | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| **0850-0905** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |

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| --- | --- | --- | --- | --- | --- |
|  | **Abdomen** | **Abdomen** | **Abdomen** | **Abdomen** | **Abdomen** |
| **0905-0925** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| **0925-0940** | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |

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| --- | --- | --- | --- | --- | --- |
|  | **DVT** | **DVT** | **DVT** | **DVT** | **DVT** |
| **0840-1000** | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| **1000-1015** | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |

**1015-1030: Break and refreshments**

**1030-1245: Hands on session 2**

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|  | **Vascular access (station 1)** | **Clinical cases (or paracentesis)****(station 2)** | **Integrated heart-lung-IVC (Station 3)** | **Thoraco-****centesis (Station 4)** | **Simulator** **(Station 5)** |
| **1030-1055** | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| **1055-1120** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| **1120-1145** | Group 4 | Group 5 | Group 1 | Group 2  | Group 3 |
| **1145-1210** | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |
| **1210-1235** | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |

**1235-1245: Closing remarks, feedback and certificates**



Timetable Day 2 FAMUS/FUSIC (lung-abdomen-DVT) Afternoon Group

**1310-1325: Registration**

**1325-1330: Introduction**

**1330-1515: Hands on session 1**

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| --- | --- | --- | --- | --- | --- |
|  | **Lung** | **Lung** | **Lung** | **Lung** | **Lung** |
| **1330-1350** | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| **1350-1405** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |

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| --- | --- | --- | --- | --- | --- |
|  | **Abdomen** | **Abdomen** | **Abdomen** | **Abdomen** | **Abdomen** |
| **1405-1425** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| **1425-1440** | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **DVT** | **DVT** | **DVT** | **DVT** | **DVT** |
| **1440-1500** | Group 4 | Group 5 | Group 1 | Group 2 | Group 3 |
| **1500-1515** | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |

**1515-1530: Break and refreshments**

**1530-1735: Hands on session 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Vascular access (station 1)** | **Clinical cases (or paracentesis)****(station 2)** | **Integrated heart-lung-IVC (Station 3)** | **Thoraco-****centesis (Station 4)** | **Simulator** **(Station 5)** |
| **1530-1555** | Group 1 | Group 2 | Group 3 | Group 4 | Group 5 |
| **1555-1620** | Group 5 | Group 1 | Group 2 | Group 3 | Group 4 |
| **1620-1645** | Group 4 | Group 5 | Group 1 | Group 2  | Group 3 |
| **1645-1710** | Group 3 | Group 4 | Group 5 | Group 1 | Group 2 |
| **1710-1735** | Group 2 | Group 3 | Group 4 | Group 5 | Group 1 |

**1735-1745: Closing remarks, feedback and certificates**