Haemodynamic Assessment Module Lead

This module is subject to final approval by the university. We are hoping for confirmation by September.

Overview:
This advanced module equips clinicians with the skills to use PoCUS for real-time haemodynamic assessment in acutely unwell or critically ill patients. It focuses on interpreting flow, volume, and pressure-related indicators using B-mode and Doppler ultrasound, enabling more informed decision-making in complex circulatory states.

Target Audience:
Intensivists, anaesthetists, emergency physicians, acute medics, and other clinicians managing critically ill or haemodynamically unstable patients who want to integrate bedside ultrasound into their fluid, vasopressor, and diagnostic strategies.

What You'll Teach:

- Indications for haemodynamic ultrasound in acute and critical care settings
- How PoCUS complements other imaging modalities and physiological monitoring techniques
- Image acquisition and optimisation for B-mode and Doppler haemodynamic assessments
- Scanning techniques, Doppler evaluation, and artefact recognition
- Normal and abnormal appearances in:
    - Systemic circulation
    - Venous congestion
    - Cardiac output indicators
- Interpretation of haemodynamic findings in the context of:
    - Fluid responsiveness
    - Shock differentiation
    - Tamponade physiology
    - Venous congestion in heart failure or acute kidney injury
    - Circulatory failure
- How PoCUS findings influence immediate decisions around fluid resuscitation, vasopressor use, and further imaging or intervention

Teaching Format:

- Online pre-learning followed by hands-on scanning, available across six or seven scheduled training days
- Candidates are not required to attend every session — they can select the dates that suit them

- Small-group scanning with models, healthy volunteers, simulators, and physiological case scenarios
- Emphasis on clinical integration, dynamic interpretation, and decision-making in real time
- Each candidate delivers a short case presentation as part of the module

What Makes This Module Rewarding to Teach:
Haemodynamic PoCUS brings physiology to life at the bedside. As a module lead, you'll help clinicians apply a structured approach to circulatory assessment — deepening their understanding of shock, fluid needs, and cardiac performance in a way that directly improves patient care.

For enquiries or to apply, please contact us at recruitment@bromleyemergency.com