

St Bartholomew's Hospital adult critical care unit (ACCU) brief

St Bartholomew's hospital is located in the City of London, near St Paul's cathedral. Although nearly 900 years old, a new state of the art facility opened in 2016. It hosts specialist services for cancer, cardiology, cardiac surgery and thoracic surgery. The Barts Heart Centre (BHC) was formed by the merging of cardiothoracic services from the London Chest, St Bartholomew's and the Heart hospitals. This created the UK's largest cardiothoracic centre with nearly all specialist cardiac services for north central and northeast London and beyond, as well as highly specialised national services for aortovascular surgery, adult congenital heart disease and inherited cardiomyopathy.

The General Critical Care Unit is on the 6th floor, comprising 16 beds of which 7 are specialist respiratory isolation rooms. The unit cares for adult patients with a range of complex surgical and non-surgical cardiac disease, severe respiratory failure and those suffering from the complications of cancer therapies including those with haematological malignancies. The unit cares for patients who need membrane oxygenation (ECMO) for respiratory and cardiac support; Ventricular Support Devices (VAD) and Impella. Patients throughout Barts Health and beyond are transferred to Bartholomew's for these services.

In addition, St Bartholomew's Hospital has 10 theatres, 10 cardiac catheterisation suites and over 250 cardiac, vascular and thoracic beds. Adjacent to the operating theatres on the first floor, three additional critical care units comprising a total of 42 beds supporting the work of the cardiothoracic surgery programme.

St Bartholomew's critical care units offer a rich educational opportunity for doctors training in critical care medicine. We endeavour to create a supportive environment, dedicated to your professional development whilst delivering the very best patient care.

Whilst the patients may have been admitted with a heart, lung and oncological disease expect to encounter the the full range of acute medical conditions and complications that these patients may suffer. There has been considerable investment in supportive technologies these patients such as renal replacement therapy, intermittent haemodialysis, multiple methods of cardiac output measurement, pacing, echocardiography, general ultrasound, neurophysiology, inhaled nitric oxide and extracorporeal heart and lung support.

The weekly teaching porgrammes are directed at the Faculty of Intensive Care Medicine (FICM) exam and the Internal Medicine Trainees. Consultant radiologists, cardiologists and microbiologists attend the unit several times a week to discuss and teach on X-rays, echocardiograms and infection. Incumbent with an ICU that cares for patients with a very high severity of disease, you will also learn to work closely with our physiotherapists, occupational therapists, psychologists, speech and language therapists and dieticians needed for the rehabilitation of these patients. There are opportunities to present at morbidity and mortality meetings and journal clubs and participate in quality improvement projects.

Furthermore, the unit also offer specialist out-of-programme fellowships to interested doctors. Our yearlong echocardiography fellowship has a 100% track record in helping

intensivists to achieve accreditation with the British Society of Echocardiography in transthoracic echocardiography. We offer focused intensive care echocardiography (FICE) training and mentorship for those starting in echocardiography. A fellowship in medical education offers training in all aspects of under- and post-graduate education and previous fellows have achieved Post Graduate Certificate in medical education (PG Cert Med Ed). We also offer a follow up after critical illness fellowship where the fellow joins a mature multi-disciplinary critical care follow up team.