

JOB DESCRIPTION

POST:	Critical Care Scientist
LOCATION:	Royal Jubilee Maternity Service (RJMS)
GRADE:	Band 5
REPORTS TO:	Chief Critical Care Scientist
RESPONSIBLE TO:	Principal Critical Care Scientist

JOB SUMMARY / MAIN PURPOSE:

The post holder will be a member of the team in RJMS providing Physiological Support, Measurement, Clinical Intervention and Equipment Management. The successful candidate will follow a competency based training programme of SCCT modules.

Main Duties / Responsibilities

- Preparation, calibration, set-up and operation of technological diagnostic systems in Obstetrics and Neonatology.
- Support Medical, nursing and midwifery staff in the set-up and implementation of invasive and non-invasive monitoring equipment in Neonatal Intensive Care and High Dependency Unit, Delivery Suite and Wards and departments within RJMS.
- Perform pre-use safety checks on all equipment and devices, monitor and confirm operation within expected parameters.
- Perform remedial and preventative maintenance and calibrations of a wide range of life support and associated medical equipment.
- Fault find and repair (1st line) equipment including Neonatal Ventilators, Infusion Pumps, Neonatal Incubators, Vital Signs Monitoring equipment, Foetal Monitors and associated equipment.

- Set-up and test functionality of ventilators, CPAP and High Flow systems and ventilation support strategies including application of therapeutic drug administration.
- Take part, as a team member, in the resuscitation of patients who have suffered cardiac and respiratory arrests.
- Transfer of critically ill patients ensuring safe and effective operation of monitors, infusion devices and life support systems attached to the patient.
- Provide support, advice and training to medical and nursing staff on treatments, diagnostic and therapeutic devices.
- POCT to include analyzing blood samples, interpret results and their clinical relevance, e.g. blood gases and electrolytes, co-oximetry and Foetal blood sampling.
- Perform preventative and remedial maintenance to Point of Care devices.
- Perform internal and external Quality Control Checks on Point of Care devices.
- Use various precision test instruments to assess the accuracy and/or calibrate medical and surgical devices.
- Decontamination of medical devices maintaining production records including tracking and traceability records.
- To provide support to the variety of research projects undertaken within the department.
- Take part in stock control by helping to maintain supplies of spare parts, equipment consumables and disposables to ensure delivery of service.
- Demonstrate continuing professional development in accordance with SCCT code of practice.
- Maintain records and results, carry out administrative tasks as assigned.
- Collates and analyses patient data/information maintaining and developing patient processing and adapting related software and Clinical Data Management Systems.
- Any other duties as assigned by senior CCS.

General Responsibilities

Employees of the Trust are required to promote and support the mission and vision of the service for which they are responsible and:

- At all times provide a caring service and to treat those with whom they come into contact in a courteous and respectful manner.
- Demonstrate their commitment by their regular attendance and the efficient completion of all tasks allocated to them.
- Comply with the Trust's Smoke Free Policy.
- Carry out their duties and responsibilities in compliance with the Health and Safety Policies and Statutory Regulations.
- Adhere to Equality and Good Relations duties throughout the course of their employment.
- Ensure the ongoing confidence of the public in-service provision.
- Maintain high standards of personal accountability.
- Comply with the HPSS Code of Conduct.

Records Management

All employees of Belfast Health & Social Care Trust are legally responsible for all records held, created or used as part of their business within the Belfast Health and Social Care Trust, including patient/client, corporate and administrative records whether paper based or electronic and also including e-mails. All such records are public records and are accessible to the general public, with limited exceptions, under the Freedom of Information Act 2000, the Environment Regulations 2004, Data Protection Act 1998 and GDPR (2018). Employees are required to be conversant with the Belfast Health and Social Care Trust policy and procedure on records management and to seek advice if in doubt.

Environmental Cleaning Strategy

The Trusts Environmental Cleaning Strategy recognizes the key principle that "Cleanliness matters is everyone's responsibility, not just the cleaners" Whilst there are staff employed who are responsible for cleaning services, all Trust staff have a responsibility to ensure a clean, comfortable, safe environment for patients, clients, residents, visitors, staff and members of the general public.

Infection Prevention and Control

The Belfast Trust is committed to reducing Healthcare associated infections (HCAIs) and all staff have a part to play in making this happen. Staff must comply with all policies in relation to Infection Prevention and Control and with ongoing reduction strategies. Standard Infection Prevention and Control Precautions must be used at all times to ensure the safety of patients and staff.

This includes:-

- Cleaning hands either with soap and water or a hand sanitiser at the appropriate times (WHO '5 moments');
- Using the correct '7 step' hand hygiene technique;
- Being 'bare below the elbows' when in a clinical environment;
- Following Trust policies and the Regional Infection Control Manual (found on intranet);
- Wearing the correct Personal Protective Equipment (PPE);
- Ensuring correct handling and disposal of waste (including sharps) and laundry;
- Ensuring all medical devices (equipment) are decontaminated appropriately i.e. cleaned, disinfected and/or sterilised;
- Ensuring compliance with High Impact Interventions.

Values

The Belfast Trust aims to recruit staff not only with the right skills but also with the right values to ensure the delivery of excellent patient care and experience. Staff will be expected to be committed to provide safe, effective, compassionate and person centered care by:-

- Treating Everyone with Dignity and Respect
- Displaying Openness and Trust
- Being Accountable
- Being Leading Edge
- Maximising Learning and Development

By embedding the above values we will make a significant contribution to the delivery of the Trust's Vision.

Personal Public Involvement

Staff members are expected to involve patients, clients, carers and the wider community where relevant, in developing, planning and delivering our services in a meaningful and effective way, as part of the Trust's ongoing commitment to Personal Public Involvement (PPI).

Please use the link below to access the PPI standards leaflet for further information.

http://www.publichealth.hscni.net/sites/default/files/PPI_leaflet.pdf

Clause: ***This job description is not meant to be definitive and may be amended to meet the changing needs of the Belfast Health and Social Care Trust.***



Belfast Health and Social Care Trust

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PERSONNEL SPECIFICATION

JOB TITLE AND BAND: Critical Care Scientist Band 5

DEPARTMENT/DIRECTORATE: Royal Jubilee Maternity Service, Specialist Womens and Child Health.

Notes to applicants:

1. You must clearly demonstrate on your application form under each question, how you meet the required criteria as failure to do so may result in you not being shortlisted. You should clearly demonstrate this for both the essential and desirable criteria.
2. Shortlisting will be carried out on the basis of the essential criteria set out in Section 1 below, using the information provided by you on your application form. Please note the Trust reserves the right to use any desirable criteria outlined in Section 3 at shortlisting. You must clearly demonstrate on your application form how you meet the desirable criteria.
3. Proof of qualifications and/or professional registration will be required if an offer of employment is made – if you are unable to provide this, the offer may be withdrawn.

ESSENTIAL CRITERIA

SECTION 1: The following are **ESSENTIAL** criteria which will initially be measured at shortlisting stage although may also be further explored during the interview/selection stage. You should therefore make it clear on your application form whether or not you meet these criteria. Failure to do so may result in you not being shortlisted. The stage in the process when the criteria will be measured is stated below.

Factor	Criteria <i>Ideally no more than 6-8 criteria in this section</i>	Method of Assessment
Qualifications/Registration	BSc in Biomedical Engineering or other Engineering/Science degree.	Shortlisting by Application Form
Experience	Relevant experience deemed to complement the post.	Shortlisting by Application Form
Other		

SECTION 2: The following are **ESSENTIAL** criteria which will be measured during the interview/ selection stage:

Skills / Abilities/ Knowledge	<p>Flexible approach to shifts to suit the needs of the service.</p> <p>Ability to use initiative and work efficiently and effectively under pressure, prioritising and responding to urgent tasks as and when they occur within the critical care setting.</p> <p>Possess highly effective communication skills in order to competently explain the correct and safe use of technical equipment to clinical staff within Critical Care Environment.</p>	Interview
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DESIRABLE CRITERIA

SECTION 3: these will **ONLY** be used where it is necessary to introduce additional job related criteria to ensure files are manageable. You should therefore make it clear on your application form how you meet these criteria. Failure to do so may result in you not being shortlisted

Factor	Criteria	Method of Assessment
Experience	<p>Applicants should have experience of working with computer applications</p> <p>Basic knowledge of physiology/monitoring</p> <p>Able to work as part of a multi-disciplinary team in a Critical Care Environment.</p>	<p>Shortlisting by Application Form</p> <p>Interview</p> <p>Interview</p>
Other	Flexible approach to Shifts to suit the needs of the service	

VALUE BASED RECRUITMENT

* Values Based Recruitment is a process adopted by the Belfast Trust to attract and select employees on the basis that their individual values and behaviours align with those of the Trust and incorporating the Healthcare Leadership Model.

It focuses on the 'how' and 'why' people do what they do.

Candidates who are short-listed for interview will need to demonstrate at interview that they have the required knowledge, skills, competencies and values to be effective in this

new role.

In answering the value based questions you have the opportunity to share examples of when you have demonstrated values relevant to the Belfast Trust.

Belfast HSC Trust Values

Whilst employees will be expected to portray all the values, particular attention is drawn to the following values for this role.



RESPECT & DIGNITY

- Being respectful to others
- Showing compassion to those who need our care
- Acting fairly and even-handed
- Acknowledging the good work of others
- Supporting others to achieve positive results



OPENNESS & TRUST

- Communicating openly and consistently
- Listening to the opinions of others and acting sensitively
- Being trustworthy & genuine
- Ensuring that appropriate information is shared honestly



ACCOUNTABILITY

- Taking responsibility for your own decisions and actions
- Openly admitting your mistakes and learning from them
- Using all available resources appropriately
- Challenging failures and poor practice courageously



LEADING EDGE

- Actively seeking out innovative practice
- Participate in new approaches & service development opportunities
- Share best practice with others
- Promote the Trust as a centre of excellence



MAXIMISING LEARNING & DEVELOPMENT

- Act as a role model for the development of others
- Continuing to challenge my own practice
- Fulfil my own statutory mandatory training requirements

- Actively support the development of others

NOTE:

Where educational/professional qualifications form part of the criteria you will be required, if shortlisted for interview, to produce original certificates, and one photocopy of same, issued by the appropriate authority. Only those certificates relevant to the shortlisting criteria should be produced. If educational certificates are not available an original letter and photocopy of same detailing examination results from your school or college will be accepted as an alternative.

If successful you will be required to produce documentary evidence that you are legally entitled to live and work in the United Kingdom. This documentation can be a P45, payslip, National Insurance Card or a birth certificate confirming birth in the United Kingdom or the Republic of Ireland. Failure to produce evidence will result in a non-appointment.