

Oxford University Hospitals NHS Foundation Trust
Medical Physics and Clinical Engineering
Imaging Physics Group

Person Specification –Clinical Scientist – Imaging Physics
Band 7

Area	Physics support to Imaging Physics (Radiation protection and diagnostic radiology applications) and non-ionising radiations
Qualifications	
Scientific grades	Good (1 st or 2 nd class) Honours degree in a relevant subject Relevant MSc or higher degree (Essential) IPEM Diploma or Certificate of completion of STP in Medical Physics.
Registration	HCPC State Registered Clinical Scientist (Essential) Corporate Membership of a relevant professional body.
Knowledge & Experience	
Scientific/ Technical/ Specialist	Good knowledge of radiation and associated areas within Medical Physics, to include a range of working procedures and practices within Imaging Physics. Evidence of continuing professional development. Minimum of 3 years training/experience in Medical Physics, of which minimum 1 year in Imaging Physics including: analysing and judging diagnostic radiology equipment/artificial optical radiation sources, identifying problems with patient-related equipment, exercising judgement to solve problems and making decisions on how equipment is to be used safely and correctly. Evidence of specialist training and practical experience in the use and calibration of diagnostic radiology equipment, specialist test and measurement equipment and dosimetry equipment calibration.
Clinical	Understanding of patient and staff risks arising from the use of ionising radiation Knowledge of clinical procedures and practices for patient examinations and procedures Evidence of participation in the provision and development of a clinical technical service, including assessment of Imaging and NIR equipment, patient dosimetry, quality assurance, radiation risk assessments and governance.
Managerial	Able to work as part of a team and relate well to staff and patients. Able to prioritise and manage own work. Able to undertake development projects. Able to assist with training of clinical scientists, technologists and apprentices.
Legislation	Understanding of radiation protection governance frameworks. Awareness of relevant legislation, national standards, professional and other guidelines including: IRR, IR(ME)R, CoAORW and other relevant standards, professional and regulatory body reports and guidelines.
Other	Full UK driving licence
Skills	
IT	Able to use Excel, Word, Access etc. to set up documents and spreadsheets and extract information. Able to use and adapt software solutions to meet the needs of the Imaging service.
Physical	Highly developed physical accuracy and dexterity, for making precision measurements and adjustments on equipment, also for using unsealed radioactive materials, within isolator cabinets and on the bench, often under time pressure to ensure Imaging equipment is returned to clinical use as soon as possible. Able to lift large, cumbersome medium/heavy weights on occasion (e.g. test instruments, measuring equipment and calibration jigs onto Imaging equipment).
Mental	Able to concentrate when subject to constantly unpredictable working patterns (e.g. when interrupted to provide urgent advice affecting patients' treatments). Able to concentrate for prolonged periods (e.g. carrying out or analysing radiation measurements).
Emotional	Intermittent exposure to distressing circumstances when undertaking clinical reviews and reports

Communication	Able to communicate highly complex information e.g. about patient examination options, equipment status or operation to other professional groups. Able to present scientific papers at national and international conferences. Able to assist with training groups of other professional staff. Able to deliver teaching and training on complex Imaging Physics-related subjects.
Environment	Understanding of hazards posed by, and precautions needed with: <i>Ionising radiation</i> <i>Non-ionising radiation</i> <i>Electricity (medium and high voltages)</i> <i>Cross-infection</i> <i>Bio-hazards</i> <i>Fumes</i> <i>Solvents</i> <i>Tools at elevated temperatures</i> <i>Compressed medical gases</i> <i>Cleaning agents and other hazardous materials</i> Occasional exposure to uncontrolled radiation hazards, e.g. spillages, monitoring of radiation activated targets, leak testing of sources, radiation emergencies