This is a subspecialty training post in Interventional Radiology at ST6 aimed at doctors who can demonstrate the essential competences to enter this level of training. The programme is designed to support training for a CCT in Clinical Radiology with Interventional Radiology subspecialisation. Details of essential competences and qualifications are detailed in the MMC person specification for Interventional Radiology at ST6, which is available from www.wessexdeanery.nhs.uk

It is anticipated that this training programme will support a CCT, CESR or CESR/CP in Interventional Radiology subject to satisfactory outcome of the Annual Review of Competence Progression (ARCP).

The programme is based in hospitals in the Wessex Deanery as follows:

<table>
<thead>
<tr>
<th>HOSPITAL</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>Queen Alexandra Hospital</td>
<td>Portsmouth</td>
</tr>
<tr>
<td>The Royal Bournemouth Hospital</td>
<td>Bournemouth</td>
</tr>
<tr>
<td>Southampton General Hospital</td>
<td>Southampton</td>
</tr>
</tbody>
</table>

Wessex Deanery is a relatively small deanery with a defined geographical area. Please note that applications are to the Wessex Deanery as a whole. This may mean that you may be allocated to any geographic location within the Wessex Deanery depending on training needs.

The Wessex Deanery covers a geographical area from Basingstoke in North Hampshire to Dorchester in West Dorset and the Isle of Wight to the South. This is a spread of approximately 65 miles North to South and 76 miles East to West. The Wessex Deanery serves a population of around 2.8 million people.

The Wessex Deanery is part of NHS South of England, comprising South Central, South East Coast and South West Strategic Health Authorities. The Wessex Deanery currently covers the health communities of South Wiltshire, Dorset, and Hampshire and the Isle of Wight. The Wessex Deanery is responsible for the training of some 2,500 trainees.

**Rotation Information**

This post commences in year 6 of the six year training programme, which leads to accreditation for the CCT by the Royal College of Radiologists / GMC. A new Academic Radiology Centre is planned in Southampton and library, computer based teaching aids are available together with conference and seminar rooms with videoconferencing facilities are available at all training sites. There are well-equipped postgraduate medical education centres at all 3 hospitals. There are educational activities almost every day for all groups of graduates at all stages of their careers. There are also departmental teaching sessions, and intensive pre-examination practice sessions are held prior to each Final Fellowship Examination.
Year 6

The rotation begins in August. There will be a one week induction course to the department, and an induction half day to the Wessex Deanery. The local induction allows trainees to visit the various departments, and to meet many of the staff.

Training in Year 6 will be tailored to the trainee’s preference of vascular or non-vascular intervention with options to gain competences across the curriculum.

Attachments will be for six months in 2 of the 3 hospitals. Training is offered to level 2 competency in the RCR 2010 Interventional Radiology curriculum structure (For further information please see www.rcr.ac.uk). The attachments are flexible and can be tailored to an individual trainee’s requirements, following discussion with the Training Committees in Portsmouth and Southampton and the College Tutors and relevant trainers on all 3 sites. Appropriate time is allocated for personal study and flexible training attachments.

On-Call Arrangements

In year 6 the trainee will do Interventional Radiology on call on a 1 in 6 non resident on call rota, covered by a Consultant Interventional Radiologist, at the relevant training hospital. There are facilities for reviewing images from the Hospital PACS systems from home.

Study and Training

The primary aim of all posts is training and there is a region wide syllabus and minimum standards of education agreed by all Trusts within the rotation.

The Deanery is committed to developing postgraduate training programmes as laid down by PMETB, Colleges and Faculties and by COPMED - the Postgraduate Deans Network. At local level college/specialty tutors work with the Programme Director and Directors of Medical Education in supervising these programmes. Trainees will be expected to take part in these programmes (including audit) and to attend meetings with their nominated educational supervisor.

All posts within the training programme are recognised for postgraduate training by the GMC in accordance with their standards for training.

Study leave is granted in accordance with Deanery/Trust policy and are subject to the maintenance of the service.

All posts have a service element and the following covers the majority of duties. There will be minor variations in different hospitals but this list is aimed at covering the majority of duties:

1. Undertake imaging procedures, supervise and report imaging studies as appropriate to your level of competence and to the specialist area to which you are attached.
2. Study for higher examination and maintain continued professional development.

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Chief Executive: Sir Ian Carruthers OBE
3. Attend weekly educational and multidisciplinary sessions.
4. Undertake audit at various times throughout the rotations.
5. Teach medical students as directed.
6. Co-operate with members of the personnel department when monitoring hours of work and other personnel issues.
7. Attend induction in each hospital or new department
8. Comply with all local policies including dress code, annual and study leave

**Trust Information**

**Portsmouth:**

Portsmouth Hospitals NHS trust serves a local catchment population of approximately 650,000. It also houses the Wessex regional Renal unit. Several specialties operate within multidisciplinary teams combined with Southampton, Chichester and the Isle of Wight. Most military services previously located at Royal Hospital Haslar have now relocated to Birmingham, but some military service is retained locally in Portsmouth, as an MDHU within the local trust.

The Radiology department undertook 275683 examinations in 2010/11. The Department’s annual expenditure budget is approximately £12m. with a whole time equivalent staffing establishment of 200. Within this establishment there are 22 (20.35 Whole time equivalent) consultants, 151 radiographic, 10.36 nursing, 32 admin and clerical and 3 IT staff.

16 consultants contribute to general radiology reporting, ultrasound cover, acute CT and on call. All consultants also work within a subspecialty field, with between 2 and 5 consultants working within each of the following multidisciplinary teams: Oncology, Musculoskeletal, Pediatrics, Vascular and Interventional, Chest, Head and Neck/Neuro, Gastrointestinal, GU/Urology, Breast Radiology and Nuclear medicine. There is one Nuclear Medicine physician and one Breast Physician

**CLINICAL RADIOLOGY DEPARTMENTS**

**Queen Alexandra Hospital**

Since July 2009 almost all services of Portsmouth Hospitals NHS trust have been delivered from the Queen Alexandra site following completion of new hospital facilities. The new build contains the elective/out-patient Radiology facilities. The older facilities at QA have been redeveloped, with new facilities including enlarged meeting rooms and new trainee facilities and library. This work was completed in August 2010.

The Elective department comprises 6 digital Xray rooms, 1 digital fluoroscopy room, 4 Ultrasound rooms. The Paediatric department has 2 digital X-Ray rooms and one ultrasound room. The Dental imaging department houses 1 digital OPG and Ceph machine, 2 digital intra oral machines and a Cone Beam CT scanner. There are 2 CT scanners, 4 slice and 40 slice and a 1.5T MRI scanner. Nuclear Medicine comprises 4 rooms, 2 with SPECT gamma cameras, one with SPECT/CT and the other with PET/CT (awaiting commissioning. Service currently provided at Spire Hospital, Southampton).
The older redeveloped acute department has 1 128 slice CT, 1 1.5T MRI scanner, 2 ultrasound rooms, 2 digital radiography rooms, 1 digital fluoroscopy room, 1 interventional ultrasound/lithotripsy room and 2 interventional suites, one equipped to theatre standard for combined surgical/radiological procedures. There is a 9 bedded Radiology Day Case Unit, with Radiology staff responsible for pre-assessment and care of patients from admission to discharge. The emergency department has 1 digital and one CR X-Ray room and the paediatric ED has a dedicated digital imaging suite. The imaging department also supports 6 digital image intensifiers in theatres, CCU and Gastro.

**Southampton:**

**CLINICAL RADIOLOGY DIRECTORATE**

The Directorate of Clinical Radiology currently undertakes some 330,000 examinations per year. The Directorate's annual expenditure budget is approximately £21m with a whole time equivalent staffing establishment of 346. Within this establishment there are 40 Consultants, 185 radiographic, 22 nursing and 68 admin and clerical staff.

**Southampton General Hospital**

The General Radiology Department in the Centre Block was completed in 1978 and is due to be refurbished in Spring 2013. It comprises 12 X-ray and 5 Ultrasound rooms including digital Fluoroscopy, Tomography and general purpose X-ray rooms. The fluoroscopy service is currently being re-configured to provide enhanced access for ERCP, pain clinic and gastroenterological investigations.

A dedicated Interventional Radiology Suite with a three-bedded Day Case Unit and a further two-bedded recovery area are located within the General Department. A Siemens Axiom Artis Angiographic room is fully equipped for endovascular procedures. This room has Trans-abdominal Ultrasound, Intra-vascular Ultrasound, high speed Rotational and Carbon Dioxide Angiography. Ultrasound includes colour and power Doppler capabilities. A second Interventional room equipped with a Siemens Artis MP digital unit opened in Jan 2002 and is due for replacement in 2013. Again this room is equipped with trans-abdominal Ultrasound with colour and power Doppler capabilities, walled gases and is equipped for theatre cases. This room is used predominantly for non Vascular Intervention including Hepato-biliary, other GI and Endoscopic Interventions, Uroradiology, Central Line placement and lung biopsies.

A three-bedded Radiological Day Case Unit opened in August 2000. Plans are underway to create an 8-10-bedded unit within the main Radiology department. Whilst the patient is within the Radiology Department the Consultant Radiologist will have the responsibility as Lead Clinician.

The CT suite operates with a Siemens Sensation 64 slice scanner with adequate space for inpatient studies and CT-guided interventions. A new GE HD CT scanner has recently been installed.

PET/CT is now available both from a visiting mobile facility for 2 days per week on the Southampton General Hospital site.
There is a 5 room Ultrasound Department attached with ATL 5000 and 3000 scanners and Toshiba Xario XG and 2 Toshiba Apio machines. This is due to be replaced with a 6 room Ultrasound Department with new ultrasound equipment.

The Department of Nuclear Medicine is responsible for routine radionuclide imaging and other isotope procedures for the SUHT Hospitals and also provides a service for other District General Hospitals in the Wessex Region where radionuclide facilities are not available. Four gamma cameras are sited in the Department together with advanced computer image processing and a patient database system. A new dedicated 4-ring Neuro Camera was installed in January 2008. The Department also has excellent physics and biochemist support. The Hospital Pharmacy provides radiopharmacy facilities. Research facilities are available for the development of new radionuclide imaging and therapeutic techniques.

The Wessex Neurological Centre is also housed within the General Hospital. This is the Regional Centre for Neurosurgery, Complex Neurology and Clinical Neurophysiology. Housed in a purpose-built block the Centre has 39 Neurosurgical and 30 Neurological beds with a 13 bed Intensive Treatment Area. The Centre is served by its own radiological facilities. A Bi-planar Siemens Artis dedicated neuro-interventional angiography room opened in March 2004. This room allows complex interventional procedures under full theatre conditions. The CT Scanner is a Siemens Sensation 16 slice scanner installed in 2005. Adjacent to the Neurological Centre is a purpose-built MR Suite housing a Siemens 1.5T Symphony and a Philips 1.5T scanner, due for upgrade in Autumn 2013. This is shared between the Radiological Specialties. Additional 1.5T & 3T MRI is planned within the Main X-ray Department.

A new Cancer Centre has been built on the SGH site with 3 new additional linear accelerators and ward accommodation for Radiotherapy and Medical Oncology. The Centre includes a plain film diagnostic Radiology Room, an Ultrasound Room and an 8 slice GE CT scanner which is due for upgrade as part of the managed equipment replacement programme in 2013.

The Paediatric Radiology Department is situated adjacent to the Main Xray and Ultrasound departments on C Level at Southampton General Hospital. The Department was completely rebuilt and refurbished in 2005. The Department comprises a Fluoroscopy Room. There are 3 General Radiology and an Ultrasound Room with Toshiba Apio 80. There are two dedicated Paediatric CT lists, three sessions of MRI, of which two are shared with paediatric neuroradiology and include provision of general anaesthesia, with additional access to the scanners for emergency procedures. There is a close liaison with the Department of Nuclear Medicine.

The Cardiothoracic Radiology Department is on E Level close to the Cardiothoracic Wards and Cardiac Catheter Rooms and Operating Theatres. There are 4 Cardiac Catheter Rooms, 2 bi-plane and 2 single plane, and a dedicated cardiac MRI Scanner (Siemens Avanto). There are plans to change one of the catheter labs into a further IR room to deal with the increase in EVAR/TVAR and acute trauma. The Department provides a specialist cardiac and pulmonary imaging service to the Trust and beyond.

The new Breast Imaging Unit was opened in 2007 on the Princess Anne Hospital site. The self-contained Unit includes three Mammography rooms, 2 with digital stereotaxis, 2 Ultrasound Rooms, Clinical and Counselling Rooms as well as an integral Cytopathology Room, providing

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service to Southampton, Salisbury and the Isle of Wight. Replacement with full-field digital is being phased in over the 1st six month of 2013.

Trust wide PACS was installed in July 2006 and is due to be replaced with a new region wide PACS in June 2013.

The Southampton General Hospital Radiology Departments have approximately 265,000 patient attendances per annum.

**Royal South Hants Hospital**

The Radiology Department has undergone significant change. The Hospital has been transferred to the Southampton City PCT and has been partly converted into an NHS Treatment Centre. The Department currently provides diagnostic radiology services for in-patients and GP referrals. A GE Signa 1.5T MR scanner was installed in January 2005 and carries out a range of outpatient musculoskeletal, neurological, body and breast MRI studies. There is a digital radiography room and two purpose-built orthopaedic radiology rooms. There is a single-room refurbished Ultrasound Suite.

**Curriculum**

All areas of the Interventional Radiology curriculum, as required by the Royal College of Radiologists, are covered during the three years of the subspecialty Interventional Radiology training programme, with attachments based in Portsmouth, Southampton and Bournemouth. Non interventional Radiology skills are maintained with clinical training sessions in general reporting, CT, MR and ultrasound for in patients and with on call work.

**Teaching**

Teaching occurs during clinical sessions and informal teaching time with supervising consultants. There is a program of post-FRCR teaching, comprising a series of study sessions held on various aspects of the role of the consultant, structure and function in the NHS etc. This is designed to supplement the regional professional development course, which is run by the Wessex deanery throughout the 6 year training programme.

**Main Conditions of Service**

The posts are whole-time and the appointments are subject to:

1. The Terms and Conditions of Service (TCS) for Hospital Medical and Dental Staff (England and Wales)
2. Satisfactory registration with the General Medical Council
3. Medical Fitness – You may be required to undergo a medical examination and chest x-ray. Potential applicants should be aware of the Department of Health and GMC/GDC requirements with regards to HIV/AIDS and Hepatitis viruses. Candidates must be immune to Hepatitis B. You will be required to provide, in advance of appointment,
evidence of immunity or have a local blood test (as deemed necessary by the Occupational Health Department)
4. Right to work in the UK
5. Criminal Records Check/POCA check carried out by the Trust Medical HR department.
6. Pre-employment checks carried out by the Trust Medical HR department.

Hours

The working hours for junior doctors in training are now 48-hours (or 52-hours if working on a derogated rota) averaged over 26 weeks (six months). Doctors in training also have an individual right to opt-out if they choose to do so, but they cannot opt-out of rest break or leave requirements. However, the contracts for doctors in training make clear that overall hours must not exceed 56 hours in a week (New Deal Contract requirements) across all their employments and any locum work they do.

http://www.nhsemployers.org/PlanningYourWorkforce/MedicalWorkforce/EWTD/Pages/EWTD.aspx

Pay

You should be paid monthly at the rates set out in the national terms and conditions of service for hospital medical and dental staff and doctors in public health medicine and the community health service (England and Wales), “the TCS”, as amended from time to time. The payscales are reviewed annually. Current rates of pay may be viewed at http://www.nhsemployers.org/PayAndContracts/Pay%20Circulars/Pages/PayCircularsMedicalAndDental.aspx
Part-time posts will be paid pro-rata.

Pay supplement

Depending upon the working pattern and hours of duty you are contracted to undertake by the employer you should be paid a monthly additional pay supplement at the rates set out in paragraph 22 of the TCS. The current payscales may be viewed at xx. The pay supplement is not reckonable for NHS pension purposes. The pay supplement will be determined by the employer and should be made clear in their offer of employment and subject to monitoring.

Pension

You will be entitled to join or continue as a member of the NHS Pension Scheme, subject to its terms and rules, which may be amended from time to time.

Annual leave

Your entitlement to annual leave will be five or six weeks per annum depending upon your previous service/incremental point, as set out in paragraphs 205 – 206 of the TCS.
The TCS may be viewed at
http://www.nhsemployers.org/PayAndContracts/MedicalandDentalContracts/JuniorDoctorsDentistsGPReg/Pages/DoctorsInTraining-JuniorDoctorsTermsAndConditions150908.aspx

**Sick pay**

Entitlements are outlined in paragraphs 225-240 of the TCS.

**Notice**

You will be required to give your employer and entitled to receive from them notice in accordance with paragraphs 195 – 196 of the TCS.

**Study leave**

The employer is expected to offer study leave in accordance with paragraphs 250 – 254 of the TCS. Local policy and procedure will be explained at your induction.

**Travel expenses**

The employer is expected to offer travel expenses in accordance with paragraphs 277 – 308 of the TCS for journeys incurred in performing your duties. Local policy and procedure will be explained at induction.

**Subsistence expenses**

The employer is expected to offer subsistence expenses in accordance with paragraph 311 of the TCS. Local policy and procedure will be explained at induction.

**Relocation expenses**

The employer will have a local policy for relocation expenses based on paragraphs 314 – 315 of the TCS and national guidance at http://www.nhsemployers.org/PayAndContracts/MedicalandDentalContracts/JuniorDoctorsDentistsGPReg/Pages/DoctorsInTraining-JuniorDoctorsTermsAndConditions150908.aspx
You are advised to check eligibility and confirm any entitlement with the employer before incurring any expenditure. In addition to local policy there is Deanery guidance which can be viewed on www.wessexdeanery.nhs.uk

**Pre-employment checks**

All NHS employers are required to undertake pre-employment checks. The employer will confirm their local arrangements expected to be in line with national guidance at http://www.nhsemployers.org/RecruitmentAndRetention/Employment-checks/Pages/Employment-checks.aspx
Professional registration

It will be a requirement of employment that you have professional registration with the GMC for the duration of your employment.

Health and safety

All employers have a duty to protect their workers from harm. You will be advised by the employer of local policies and procedures intended to protect your health and safety and to comply with these.

Disciplinary and grievance procedures

The employer will have local policies and procedures for dealing with any disciplinary concerns or grievances you may have. They will advise you how to access these, not later than eight weeks after commencement of employment.

Educational supervisor

The employer will confirm your supervisor on commencement.

General information

The Deanery’s management of Specialty Training programmes, including issues such as taking time out of programme and dealing with concerns or complaints, is available at www.wessexdeanery.nhs.uk and in the national ‘Gold guide’ to Specialty Training at http://www.mmc.nhs.uk/specialty_training_2010/gold_guide.aspx