



Faculty of Radiologists Royal College of Surgeons in Ireland

Higher Training Programme

**2018
Job Descriptions**

HIGHER TRAINING POST IN PAEDIATRIC RADIOLOGY

OUR LADY'S CHILDRENS HOSPITAL, CRUMLIN.

**2 sanctioned Fifth year SPR positions.
6 or 12 month posts.**

OLCHC is the largest paediatric tertiary referral hospital in the country (243 beds), offering many specialty services. It is the National Referral Centre for paediatric oncology/haematology, cardiology, cardiothoracic surgery, genetics, and hepatology, with very busy units serving neonatal and general paediatric surgery and urology together with orthopaedics, neurology, respiratory, neonatology and infectious diseases amongst others. Our busy A/E department sees over 30,000 children per annum.

The Radiology department currently has 6 (5.7WTE) paediatric radiology consultants, with over 25 radiographers. A dedicated principal grade physicist is on site. More than 53,000 examinations are performed each year. Our department has undergone major redevelopment, over the past years with a new building housing a Siemens 1.5 T Avanto MRI scanner and a Philips 128 slice CT scanner. A new GE Discovery SPECT CT was added to the Nuclear Medicine Department last year. We have a Siemens Axiom Iconos pulsed fluoroscopy unit, three Ultrasound rooms (Hitachi), a mobile ultrasound unit, three general DR rooms and biplane angiography. We plan to add an EOS for dedicated spinal and Orthopaedic imaging in 2018.

We are part of the NIMIS PACS network.

During their rotation with us, the specialist registrar(s) will gain experience in all aspects of paediatric radiology. They will be rostered to participate in all of the imaging modalities, under close supervision of the consultants. They will be expected to have close interaction with the paediatric medical and surgical teams. They will organise and present material at the multidisciplinary conferences. They will partake in teaching their paediatric colleagues, at both undergraduate and postgraduate level. They will participate on the on-call roster, again under close supervision of the consultants who carry out the first on call duties.

They will have at least one protected research session per week and will have full access to the extensive library and other facilities of the Children's Research Centre. They will be expected and encouraged to submit their research findings to national and international meetings.

For further information please contact:

Dr Angela Byrne
Consultant Paediatric Radiologist.

Email angela.byrne@olchc.ie

Tallaght University Hospital

Higher Training Post

MRI

Background: Tallaght University Hospital is a 600 bed teaching hospital affiliated to Trinity College Dublin. Located in south-west Dublin, the hospital is a provider of local, regional, supra-regional and national medical and surgical specialities. Tallaght University Hospital has both an Adult and Children's Emergency Department and is a National Urology Centre, a Regional Dialysis Centre and a Regional Orthopaedic Trauma Centre. The clinical referral base includes General Surgery, Colorectal Surgery, Hepatobiliary and Pancreatic Surgery, Vascular Surgery, Urology, Orthopaedics, Gynaecology, ENT, Gastroenterology, Hepatology, Neurology, Endocrinology, Rheumatology, Medical Oncology and Haematology, Radiation Oncology, Cardiology, Respiratory Medicine and Emergency Medicine. Diagnostic facilities include two 1.5 Tesla MRI scanners, one 64-slice MDCT with CT fluoroscopy, one dual energy 80 detector row CT, two SPECT/CT gamma cameras, three ultrasound rooms and a fluoroscopy suite and a state of the art interventional radiology suite. The interventional radiology department provides urologic, gynaecologic, vascular and oncologic interventions under ultrasound, CT and fluoroscopic guidance. Other subspecialties include musculoskeletal ultrasound and interventions, cardiac CT and MRI, neuroradiology, GI/GU including women's imaging; prostate imaging with fused MRI/US transrectal biopsy; and CT colonography. The departmental PACS system is the national NIMIS system, enabling seamless review of imaging studies from other NIMIS sites and the department is also an active participant in the National Radiology Quality Improvement Programme.

Job Structure (Clinical):

The MR Imaging Fellowship is a one-year comprehensive, structured fellowship comprising clinical, research and teaching activity in all aspects of MR imaging. The SpR can expect to develop proficiency in abdominal and pelvic imaging (including gynaecologic and prostate MRI) neurological, cardiothoracic, and musculoskeletal imaging with flexibility of elective time to meet the fellow's individual needs. The successful candidate can choose to spend elective time in Interventional Radiology, Nuclear Medicine, Cross-sectional imaging including CT colonography; ultrasound and CT-guided procedures, Cardiac CT/MRI or any combination of above that can be integrated into the general running of the department. The patient population and clinical experience represents both a comprehensive outpatient setting and inpatient tertiary referral center with a high volume of oncology, surgery, medicine and emergency referrals. Multidisciplinary meetings are held in endocrinology, GI/surgical oncology, gynaecology, inflammatory bowel disease, urology, ICU, benign chest, lung cancer, haematology, oncology, neurology, paediatrics and rheumatology and the fellow will have the opportunity to take a lead role in these meetings. The successful candidate will also be included in the registrar on-call rota.

Job Structure (Academic): The department has a strong academic record, active in publishing and presenting work both nationally and internationally. The SpR will be encouraged to participate in research and a protected research session can be given to a candidate who is involved in active research projects. The registrar will also be encouraged to help coordinate the undergraduate teaching schedule for the medical students of Trinity College Dublin and to provide tutorials to junior SpRs prior to Part I or Part II FFR exams.

Job Structure (Quality Improvement and Governance): The SpR will participate in at least one audit project during their year in Tallaght University Hospital. The SpR along with all SpRs and consultants will participate in departmental quality improvement meetings and become proficient in the use of peerVue (QI Programme software).

For further information please contact:

Dr. Emily Ward, Consultant Radiologist & Training Co-ordinator;

emily.ward@amnch.ie

Prof. William Torreggiani, Consultant Radiologist; william.torreggiani@amnch.ie

St. Vincent's University Hospital/Dublin Academic Medical Centre

5th Year Specialist Register Training Post in Interventional Radiology and/or Cardiovascular CT/MRI

Background: St. Vincent's University Hospital is a 500-bed teaching Hospital affiliated to the Dublin Academic Medical Centre. The hospital serves the population of South-East Dublin and is a secondary and tertiary centre for medical and surgical specialties in the region. Established patient referral bases include St. Michael's Hospital, St. Colmcille's Hospital, St. Luke's Hospital, The National Maternity Hospital at Holles Street, the Royal Victoria Eye and Ear Hospital, and also referrals from other hospital in the Ireland East Hospital Group (IEHG). There are 20 Consultant Radiologists (2 full-time Breast Radiologists) and 13 Specialist Registrars. The clinical referral base includes Breast, Endocrine and General Surgery, Colorectal Surgery, Hepatobiliary and Pancreatic Surgery, (including the National Liver Transplant Unit and National Pancreatic Surgical Center), Vascular Surgery, Urology, Orthopaedics, Thoracic Surgery, Gynaecology, ENT, Gastroenterology, Hepatology, Neurology, Endocrinology, Rheumatology, Medical Oncology and Haematology, Radiation Oncology, Cardiology, Respiratory Medicine (including the National Cystic Fibrosis Unit), Ophthalmology and Emergency Department.

Training and Responsibilities: The registrar will work in a fully equipped Radiology Department with three Siemens interventional rooms (Siemens Artis Q, Siemens Axiom Artis dTA and Siemens Axiom Artis dMP, under Consultant supervision, performing both vascular and non-vascular procedures. The vascular procedures include angiography, angioplasty, stenting (including AAA repair), venous and arterial thrombolysis, hepatic chemoembolisation, Y90 hepatic radioembolisation (SIRT), portal vein embolisation and many other forms of embolisation, TIPS and transjugular liver biopsy, IVC filter insertion and retrieval and all forms of venous access. There is also quite a significant volume of vascular malformation intervention with various forms of embolization/sclerotherapy both endovascular and percutaneous. Non-vascular interventional procedures include biopsy, abscess drainage, nephrostomy and ureteric stenting, biliary drainage procedures, biliary stenting, gastrostomy, gastro-jejunostomy, vertebroplasty and image guided radiofrequency and microwave ablations. Patient assessment pre-procedure, management of complications and post-procedure follow-up are important aspects of modern Interventional Radiology and are emphasized during training. It is expected that the registrar will take a leading role in coordinating all activity in the interventional area. The registrar will also attend clinical-radiologic conferences in all relevant sub-specialty areas. The successful candidate will participate in the on call rota.

The Cardiac CT and MRI program is centered on two 64-slice Cardiac CT scanners (Siemens Sensation 64) and a cardiac MRI scanner (Siemens Avanti) with wireless 8-channel surface coil. The cardiac CT program covers all aspects of cardiac CT, including coronary evaluation of low-intermediate pre-test probability patients with chest pain, coronary artery bypass graft evaluation, coronary anomalies, triple-rule-out cardiac CT for the evaluation of PE/dissection/coronary artery disease, cardiac masses (metastases and primary tumors), coronary stent evaluation, congenital heart disease in adults and pre-ablation pulmonary vein imaging. The cardiac MRI program covers all aspects of

cardiac MRI, including cardiomyopathies, viability studies, cardiac masses (metastases and primary tumors), phase velocity quantification flow studies, congenital heart disease evaluation. A particular emphasis is placed on consultant-led research project publication for the successful candidate based on cardiac CT/MRI.

Academic Status: St. Vincent's University Healthcare Group, Mater Misericordiae University Hospital, and University College Dublin form the Dublin Academic Healthcare Centre. The post will include a teaching commitment at both undergraduate and postgraduate levels. The Department has a commitment to an active research program with a wide range of ongoing research projects. The successful candidate will be expected to actively contribute to the ongoing research. Up-to-date library, computer, digital image manipulation and Internet access facilities are all available within the Department.

Candidates who wish to visit the department should contact: Dr. Jeff McCann, Consultant Radiologist, St. Vincent's University Hospital, Elm Park, Dublin 4 [email: j.mccann@svhg.ie]

St Vincent's University Hospital/Dublin Academic Medical Centre

5th Year Specialist Register Training Post in (CT, MR, US and/or Radioisotope) Imaging

Background: St. Vincent's University Hospital is a 500-bed teaching Hospital affiliated to the Dublin Academic Medical Centre. The hospital serves the population of South-East Dublin and is a secondary and tertiary centre for medical and surgical specialties in the region. Established patient referral bases include St. Michael's Hospital, St. Colmcille's Hospital, St. Luke's Hospital, The National Maternity Hospital at Holles Street, the Royal Victoria Eye and Ear Hospital, and also referrals from other hospital in the Ireland East Hospital Group (IEHG). There are 20 Consultant Radiologists (2 full-time Breast Radiologists) and 13 Specialist Registrars. The clinical referral base includes Breast, Endocrine and General Surgery, Colorectal Surgery, Hepatobiliary and Pancreatic Surgery, (including the National Liver Transplant Unit and National Pancreatic Surgical Center), Vascular Surgery, Urology, Orthopaedics, Thoracic Surgery, Gynaecology, ENT, Gastroenterology, Hepatology, Neurology, Endocrinology, Rheumatology, Medical Oncology and Haematology, Radiation Oncology, Cardiology, Respiratory Medicine (including the National Cystic Fibrosis Unit), Ophthalmology and Emergency Department. The department has been fully digitised since July 2006.

Facilities: There are two 64 slice MDCT scanners which perform annually in excess of 15,000 examinations, including biopsies and other interventional procedures. MRI is performed on a 1.5T Siemens AVANTI system. There are nine ultrasound units providing examinations including abdominal, pelvic, endocavitary (endoanal and transvaginal), musculoskeletal, vascular and small parts imaging. Over 1000 ultrasound-guided biopsies performed annually. In the radionuclide section there are two dual-head and one single-head gamma cameras. All types of scintigraphic examinations are undertaken, including lymphoscintigraphy and pharmacological myocardial perfusion stress testing. There is also a newly installed Siemens Biograph PET-CT with state of the art time of flight PET and multislice CT capabilities allowing ultra-high definition and low dose with rapid acquisition times. In addition to PET-CT Oncological imaging, subspecialist Neuro-PET training will also be offered.

Training and Responsibilities: The successful candidate will select one or more imaging modalities of interest on which they will concentrate. There are many opportunities to sub-specialize into one or more areas of interest in our Department of 18 Consultants. Specialist areas within the group include Nuclear Medicine and PET/CT, Lung Cancer, Prostate Cancer, Cystic Fibrosis, Hepatobiliary and Pancreatic imaging and Musculoskeletal Imaging. They will co-ordinate all aspects of provision of the imaging service in their chosen area in conjunction with the consultant radiologists, including the prioritisation, protocolling and reporting of examinations. Participation in daily clinico-radiological conferences is expected. The successful candidate will participate in the on call rota.

It is expected that the successful candidate will be involved in the organisation, structuring and presentation of MDTs. This involvement will provide high volume exposure to specific cancer imaging.

Academic Status: St. Vincent's University Healthcare Group, Mater Misericordiae University Hospital, and University College Dublin form the Dublin Academic Healthcare Centre. The post will include a teaching commitment at both undergraduate and postgraduate levels. The Department has a commitment to an active research program with a wide range of ongoing research projects. The successful candidate will be expected to actively contribute to the ongoing research. Library, computer, digital image manipulation and Internet access facilities are all available within the Department.

Candidates who wish to visit the department should contact: Dr. Jeff McCann, Consultant Radiologist, St. Vincent's University Hospital, Elm Park, Dublin 4 [email: j.mccann@svhg.ie]

University College Cork (with clinical duties at Cork University and Mercy University Hospitals):

This post is fully funded by University College Cork and is primarily an academic radiology position.

The Department is committed to an active research program with a wide range of ongoing research projects. This research programme is focused on radiation dose optimization and abdominal and chest imaging research. The Department has a good record of presentations at Irish and International meetings and has had an excellent track record of publications in international peer-reviewed literature (see www.pubmed.org).

The successful candidate will lead this programme under the supervision of the Professor of Radiology and other hospital consultants at CUH and MUH. A considerable portion of time will be protected for implementation of research projects and preparation of presentations and manuscripts.

A major focus of the position will be teaching of undergraduate radiology, anatomy and pathology. This teaching will take place at hospital campuses affiliated to UCC, in the anatomy dissection room, and at the main University Campus. The successful candidate will also be heavily involved in student assessment in all five years of the undergraduate programme and also in the Graduate Entry Programme.

The successful candidate will be involved in a range of clinical duties at CUH and MUH including chest and abdominal radiology and intervention and preparation and participation in MDT's. The lecturer will also attend daily clinico-radiological conferences of their choosing and will attend and supervise regular teaching conferences in their chosen area.

The successful candidate will be encouraged to prepare a thesis based on completed research for consideration towards M.D. degree from UCC.

For further information, please contact Professor Michael Maher (086 1731929).

University Hospital Waterford Higher Specialist Training Scheme

University Hospital Waterford invites applications for one 5th year post (from three options: Interventional Radiology, Cross-sectional imaging or Breast imaging) on the National Training Scheme in Diagnostic Radiology as run by the Faculty of Radiology RCSI to commence July 2018.

Background

University Hospital Waterford is a constituent University Teaching Hospital of the Royal College of Surgeons in Ireland and University College Cork of 500-bed capacity. The hospital is one of the eight national Cancer Centres designated by the National Cancer Control Programme. The hospital serves the population of the South-East and is a secondary and tertiary centre for many medical and surgical specialties, with regional units in Orthopaedics and Trauma, Emergency Medicine, ENT, Ophthalmology, Oncology, Palliative Care, Interventional Radiology, Nephrology, Breast Surgery, Medical Physics, Haematology, Dermatology, Paediatrics, Laboratory Medicine, Vascular Surgery, Rheumatology, Anaesthesia, intensive care, Psychiatry and Obstetrics and Gynaecology.

In addition to the new relationship with Cork University Hospital, ongoing affiliations exist with:

St. Luke's Hospital Kilkenny 317 beds

Wexford General Hospital 206 beds

South Tipperary General Hospital 239 beds

University Hospital Waterford admits 17,000 patients per annum from an emergency department throughput of 65,000. 123,000 outpatients are seen annually with 17,978 day-cases performed.

The Department of Radiology performs over 140,000 examinations per year including in excess of 11,000 multislice CT examinations, 5,000 MRI examinations and 14,000 ultrasound examinations. At the time of post commencement, the Radiology department will have 8 consultants and over 20 radiographers. A dedicated principal grade physicist is on site.

Facilities:

-There are two CT scanners on site: a recently installed 128-slice Philips MDCT and a Siemens Somatom Sensation 16 slice MDCT which perform annually in excess of 11,000 examinations, including biopsies, drainages, radiofrequency ablation and osteoplasty.

-MRI is performed on a 1.5T system (MRI Siemens Symphony 1.5T MaestroClass). The emphasis in MR is on oncological, neurological, musculoskeletal and body imaging.

-At the time of post commencement, all 5 state of the art ultrasound units will be less than 4 years old. The full spectrum of ultrasound is provided including abdominal, pelvic, endocavitary (endoanal and transvaginal), musculoskeletal, vascular and small parts imaging.

- In the Interventional suite a state of the art Artis Q Siemens machine and a dedicated GE logiq 5 US machine was installed in 2017.
- Mammography is fully digitised. The remainder of the department is equipped with digital chest radiography units, CR throughout the remainder of the department's general rooms and mobile units.
- NIMIS was installed on the 25th October 2011 resulting in a state of the art PACS and RIS. UHW was the first hospital in the country to have PeerVue installed (May 2014) facilitating peer review, meeting management and Alerts.

Training, Education, Teaching and Research:

The configuration of the 5th year will be based on the requirements of the Specialist Registrar and crossover from the posts outlined below is possible. The overarching ethos of the rotations will be educational; the SpR will receive at least three-four case-based tutorials per week in addition to the direct daily workstation based teaching. One of the Consultants examines in the Irish Final Fellowship exam. One of the consultants has a Higher Diploma in Medical Education and is currently engaged in a Masters programme in same. The consultants are heavily involved in the organisation of International Meetings such as the RSNA, ARRS, CIRSE and ECR and are regular invited speakers. The department is active in publishing and presenting its work nationally and internationally and the registrar will be expected to participate fully. All posts include a teaching commitment at both undergraduate and postgraduate levels. Up-to-date library, computer, digital image manipulation and Internet access facilities are available within the Department. As a Faculty recognized SpR, the Registrar will have access to RadPrimer online.

Posts available:

Post 1: Interventional radiology.

The Registrar will gain experience of the entire spectrum of vascular and non-vascular interventional radiology, including peripheral arterial disease, abdominal aortic stent grafting, renal artery stenting, percutaneous biliary interventions (including drainage and stenting), uterine artery embolisation (UAE) and inferior vena cava filter placement. Venous interventions performed include pharmacomechanical thrombectomy, thrombolysis, venoplasty, stenting, filter placement and placement of PICC lines, chest ports and tunnelled catheters. Targeted Musculoskeletal Interventions are performed including Therapeutic Arthrography, Image guided Pain Relief Procedures, Vertebroplasty, Extraspinal Osteoplasty and Radiofrequency ablations.

A large volume of Urological Intervention is performed, including nephrostomies, ureteric stenting (primary placement and retrograde exchange), cyst and abscess

drainage, and renal biopsies. The clinical components of Interventional practice will be emphasized via ward rounds and seeing Outpatients.

Vascular imaging e.g. CTA, MRA and Doppler will be emphasized during this year and the SpR will gain expertise in pre and post procedure imaging and clinical assessment.

It is envisaged that the SpR will perform six sessions of Interventional Radiology training on a weekly basis. The post has a significant academic component in addition. The SpR will also be included in the NCHD (Non Consultant Hospital Doctor) on call roster. In addition to the Interventional Radiology training, the trainee will also have three sessions per week of general radiologic duties in the Department including cross sectional or other general imaging. The imaging component may be increased depending on the registrar's requirements.

Post 2: Cross-sectional Imaging

Modalities include MDCT, MRI and US. Training strengths include Oncological, General Thoracic and Abdominal (including virtual colonoscopy), Gynaecology, Head and Neck Imaging and MSK imaging.

This post will allow the registrar to gain wide experience in all aspects of body, neurological, vascular and musculoskeletal CT and MRI. As a centre of excellence for cancer therapy, a large proportion of the caseload is oncology based. The sessional split between CT and MRI will be flexible and the needs of the successful candidate will be taken into account. A significant volume of dedicated musculoskeletal ultrasound is performed, a service which includes imaging of all large and small joints and ultrasound guided interventions, and the Registrar will be encouraged to get involved if this is an area of interest.

Many interventional procedures are performed under US and CT guidance, including biopsies, drainages and thermal ablations. The SpR will have the opportunity to gain wide experience in this area. Weekly multidisciplinary meetings are held across many specialties and the SpR will have the opportunity to take a lead role in these meetings. They will also be included in the registrar on-call rota.

Post 3: Breast Imaging.

University Hospital Waterford is the regional unit for symptomatic breast disease. Triple assessment breast clinics operate under the supervision of two consultant Radiologists with specialist training in breast imaging and experience in this post will ensure the development of subspecialty skills in all aspects of mammography, breast ultrasound, sentinel node mapping and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy.

The specialist registrar in breast imaging is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training leading to strong confidence in diagnosing and managing women with breast disease. Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics.

For further information or to arrange visits to the department please contact:

Dr. Lorna Hanlon,
Consultant Radiologist,
Local Educational Coordinator,
University Hospital Waterford.
Email: lorna.hanlon@hse.ie

Clinical Tutor, Beaumont Hospital and The Royal College of Surgeons, in Ireland (1 Post)

The above Clinical Tutor position in Radiology will be available in July 2018. The post is whole time and is a specialist registrar post, on the Faculty of Radiology Training Scheme in Ireland. This post will have academic time (2 days/week) devoted to teaching and clinical time devoted to the chosen specialty such as MRI, CT or a body section area such as symptomatic breast, chest, abdominal radiology, musculoskeletal imaging or neuroradiology. The Tutor will also be expected to complete a postgraduate education Diploma in health professional education.

Job Description

Job Title: Clinical Tutor in Radiology
Reporting to: Professor Michael J. Lee
Location: Beaumont Hospital

Objectives

The objectives of this post is to provide teaching and related support to then Academic Radiology Department, to maintain and enhance the Undergraduate E-Learning work of the Department and to gain widespread experience in a chosen area of Radiology.

1. Organising the undergraduate radiology lecture programme.
2. Developing and maintaining an undergraduate e-learning programme in Radiology, reflecting the recent curriculum developed by the Faculty of Radiologists, RCSI. Training in e-learning techniques will be provided and the lecturer will have valuable expertise in this area at the end of the training period.
3. Organising daily workload and gaining experience in the chosen area of Radiology.
4. Helping to organize the undergraduate radiology-teaching programme with the Academic Head.
5. Maintaining the e-learning Radiology website for RCSI medical students, organizing cases for medical students OSCE's and TOSCE's.
6. Teach both medical students and training registrars in radiology as required.
7. Participate in the research activity of the Department as required. Research is a high priority within the Department and the lecturer will be expected to take up suggested research projects and complete them during the training period.
8. Complying with statutory legislation and Department rules and requirements in furtherance of your own and general staff welfare and safety.
9. Undergoing programmes of training and development as may be required from time to time.
10. Representing the best interests of the Department/College at all times.
11. Performing such other duties as may be required from time to time.
12. The opportunity to complete postgraduate diploma in health professional education from RCSI

Lecturer (fellow) in Interventional Radiology, Beaumont Hospital and The Royal College of Surgeons, In Ireland (2 Posts)

Two posts in Interventional Radiology will be available in July 2018. The posts are whole time and are specialist registrar posts, on the Faculty of Radiology Training Scheme in Ireland. Candidates should have completed their radiology training (4-5 years) and completed competency testing in diagnostic radiology.

Job Description

Job Title: Lecturer in Interventional Radiology

Reporting To: Professor Michael J. Lee

Location: Beaumont Hospital

The Imaging and Interventional radiology Department at Beaumont Hospital is equipped with 3 multislice CT scanners, 2 x 1.5 T MR and 1 x 3.0 T MR scanners, 2 new interventional suites with integrated US, Cone beam CT and targeting/tracking software. There are 5 consultant Interventional Radiologists in the Department.

Objective

The objective of these posts is to provide teaching and related support to the Academic Radiology Department, to contribute to the development of the Department, and to gain widespread experience in Interventional Radiology and clinical practice in IR.

Specifically the duties of this post include:

1. The gamut of Interventional Radiology procedures are performed at Beaumont, including: EVAR, carotid stenting, peripheral vascular intervention, renal and iliac stenting, renal denervation, thrombolysis, venous access and caval filters, trauma embolization, embolization for GI Bleeding and Hemoptysis, chemoembolization and uterine artery embolization. A complete non-vascular interventional radiology service is also offered, which includes: Abscess drainage, biopsy, microwave ablation, biliary intervention, GU intervention and musculoskeletal intervention. The lecturer will be familiar with all of the above techniques on completing the year.
2. Clinical practice in interventional radiology is a vital ingredient in a complete IR program. Day case and inpatient beds are part of the IR service. Pre-procedure assessment, post procedure care and OPD follow-up will be an important part of the learning process.
3. Vascular Imaging eg CTA, MRA, Doppler will be emphasized during this year and the Lecturer will gain expertise in pre and post procedure imaging and clinical assessment.
4. Gaining practical and academic experience to pass the European Board of Interventional Radiology (EBIR)
5. Participating in the research activities of the Department as required. The department has a very active research program in IR with many publications in peer-reviewed journals and presentations to international meetings. The lecturer will be expected to take up a number of research projects and see them to completion during the training period.

If interested, further information can be obtained from Professor Lee at 353-1-8092831, e-mail: gobrien@rcsi.ie.

Beaumont Hospital, Department of Neuroradiology

Specific to neuroradiology, there are 5 consultants, 4 of whom are diagnostic and interventional and one of whom is diagnostic.

There are in excess of 500 neuroradiological CTs and 1000 neuroradiological MRIs performed monthly in the hospital. All components of neuroradiological CT are covered in the fellowship training. The applicant will gain experience in CT angiography (both performance of and post processing of), CT myelography and CT head and neck including complex post surgical work. All elements of neuroradiological MRI are also covered. The candidate will gain experience in advanced MRI techniques including perfusion, spectroscopy, functional and diffusion tensor imaging.

There are weekly consultant neuroradiology led conferences in neurology, neurovascular, stroke, brain and spinal tumours, ENT, ENT oncology, pituitary and clinical neuroscience. The neuroradiology fellow is encouraged to attend as many of these as possible.

There are close to 400 neurointerventional procedures performed annually. The department has a long established record in diagnosis and treatment of cerebral aneurysms and AVMs. Since 2010, there has been a growing practice in mechanical thrombectomy as an interventional stroke treatment. The department of neuroradiology has an active role with other specialties in the hospital in delivery of stroke treatments. There is an active research component in the department. The department is a collaborator in several prospective and randomized controlled trials related to neuroradiology. The department publishes several case reports, review papers and original research papers annually.

Fellowship Structure

Beaumont Hospital offers a one year fellowship in interventional neuroradiology. It is envisaged that the applicant will complete two years in training in interventional neuroradiology. The second year may potentially be in the same fellowship position in Beaumont again or at an institution in another country in another approved interventional neuroradiology program.

The applicant to the Beaumont Hospital neuroradiology fellowship position will gain experience in the following;

- lumbar puncture, myelography
- fluoroscopic and CT guided biopsies
- fluoroscopic and CT guided nerve root blocks
- diagnostic cerebral angiography
- inferior petrosal sinus sampling
- vertebroplasty
- discography
- endovascular coiling of cerebral aneurysms
- embolisation of cerebral AVMs, AVF and tumours
- epistaxis embolisation
- cerebral artery thrombectomy, acute stroke treatments
- internal carotid artery stenting
- diagnostic spinal angiography
- endovascular treatment of spinal vascular malformations

The fellowship structure will consist of the following;

- fellow is given a dedicated half day a week for research purposes. Under supervision and guidance from the neuroradiology consultants, the fellow will be encouraged and expected to participate in and lead on research related to neuroradiology with the aim of local and international presentations and journal publications
- neuroradiology CT and MRI pre dictation. In agreement with the consultants, a dedicated time slot will be given to the fellow to pre view and pre dictate diagnostic neuroradiology studies
- daily ward rounds to see neuroradiological patients i.e. recent aneurysm coiling, mechanical thrombectomy and other
- liaise with neurosurgical team on call and/or others to be aware of patients with acute SAH or ICH transferring to the hospital
- perform and interpret all diagnostic cerebral angiograms
- assist initially and then gain experience in performance of more complex endovascular procedures as outlined above
- responsible for all relevant databases for interventional neuroradiology procedures including aneurysm, AVM, carotid stent and stroke databases
- prepare and deliver Thursday morning neurovascular MDM attended by neuroradiology and neurosurgery
- prepare and deliver Thursday midday stroke MDM attended by several specialties
- structured teaching of radiology registrars is encouraged

The applicant is required to participate in the on-call roster for the radiology department in Beaumont Hospital.

Enquiries;

Dr. John Thornton

Consultant Neuroradiologist

Department of Radiology, Beaumont Hospital, Dublin 9

01-8093019

Mater Misericordiae University Hospital

Interventional Radiology Fellowship

Description

(Dr.L.Lawler, Dr. T. Geoghegan, Dr.C.Farrelly, Dr C Ridge, Dr.J.Murray)

This position offers post-Fellowship Trainees further experience in all aspects of Interventional Radiology (Vascular, Non-Vascular, Musculoskeletal and Oncology IR) under the direct supervision of Consultant Radiologists with sub-speciality interests. There are two dedicated Siemens Interventional Rooms on site. The successful candidate will develop experience in all clinical aspects of Interventional Radiology including:

Clinical peri-procedural care from admission to discharge of patients under the direct care of the Interventional Radiology service.

Pharmacology in Interventional Radiology

Risk-reduction in Interventional Radiology

Radiation safety in Interventional Radiology

Non-invasive imaging in Interventional Radiology

Peripheral vascular intervention (carotid, aorto-iliac and peripheral revascularisation, angioplasty, stenting, thrombectomy, infra-popliteal revascularisation).

Thoracic Stent Grafting

Visceral artery intervention

Venous Intervention (the management of dialysis access, vena cava filters, central venous stenting)

Interventional Radiology in Women's Health (uterine artery embolisation)

Interventional Oncology (chemoembolisation, portal vein embolisation, radio frequency ablation)

Non-vascular intervention (Hepatobiliary and renal intervention)

Musculoskeletal Interventional Radiology

Enquiries

Prof Leo Lawler, Consultant Interventional Radiologist,

Director, The Department of Radiology, The Mater Misericordiae University Hospital, Eccles Street, Dublin 7.

Telephone: 01-8032914.

Mater Misericordiae University Hospital

Breast Imaging

Breast Imaging

The Mater Misericordiae Hospital has a strong reputation in the diagnosis and management of breast cancer. It is one of the eight designated symptomatic specialist centres and one of the four designated screening centres in the country. Between the BreastCheck Eccles Screening Unit, National Breast Screening Programme and Symptomatic Breast Unit - BreastHealth, over 450 new patients are diagnosed with breast cancer on campus each year. A well established multidisciplinary team functions within both units and have access to all of the state of the art facilities necessary to deliver a modern day 'all inclusive' breast care service.

The specialist registrar in breast imaging is an integral part of the team and has exposure to a large volume of patients with breast cancer and benign breast disease. This position allows for intense training which leads to a strong confidence in diagnosing and managing women with breast disease.

This position offers 12 months special registrar training in breast imaging within both the screening and symptomatic service. Under the auspices of 5 Consultant Radiologists with specialist training in breast imaging, this post will ensure the development of subspecialty skills in all aspects of mammography including radiographic interpretation (digital mammography), breast ultrasound, breast MRI, (and also to include the training in MR guided breast biopsy), sentinel node mapping, quality control and breast interventions – wire-guided needle localisation, stereotactic and ultrasound guided core biopsy, wide bore suction biopsy technique, and ductography. Emphasis will be placed on the multidisciplinary approach to the management of breast cancer, including active involvement in multidisciplinary case conferences and triple assessment clinics. The successful candidate/s will be expected to actively participate in the established research programme that exists in both the screening and symptomatic breast units

The position will comprise of 7 sessions of breast imaging, 2 sessions of general oncology radiology and 1 session academic time. The general component includes general U/S, CT, MRI and PET/CT. This allows expansion of the oncology theme of the job allowing access to state of the art equipment and specialist consultants. An on-call commitment in line with the other radiology SpRs is also an integral part of this job.

For further information please contact:

Dr Fidelma Flanagan
BreastCheck
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Ph: 01-8826244

Mater Misericordiae University Hospital Higher Training Post in Emergency Radiology

1 position – 6 months (2 x 6 month posts available)

The Mater is inviting applicants for our “Emergency Radiology” fifth year position. Currently the position is for 6 months and is coupled with a 6 month position in Cappagh National Orthopaedic Hospital.

The Mater ED is the busiest in Ireland. In 2016 over 9,000 CTs were performed to investigate ED or AMAU (Acute Medical Assessment Unit) patients, including 4,500 head CTs, 1000 CT Abdomens, 700 CTPAs and over 350 stroke CTAs.

Emergency Radiology at MMUH is led by Dr Peter MacMahon and Dr Ferdia Bolster, both fellowship trained in emergency imaging.

A successful candidate for this position will be working in the ED for the vast majority of their time, being exposed to all ED CT imaging performed during the working day. The ER fifth year will become intimately acquainted with all the diagnostic pathways and scanning protocols developed by the Mater Emergency Radiology team. For example, at the Mater we have developed a “straight-to-CT” pathway for all suspected acute strokes. We now have a world class median door-to-CT time in acute stroke of 7 minutes during the working day (19mins out-of-hours). In addition, we perform the full range of advanced stroke imaging in the ED including multiphase CTA and perfusion CT. Successful candidates will be exposed to a large numbers of acute stroke patients and become confident in the interpretation of these advanced imaging studies.

At the Mater we have optimised all imaging protocols from an image quality and radiation exposure point of view but also to improve ED efficiency; for example, we do not routinely administer oral contrast in the ED or wait for renal function prior to intravenous contrast in sick patients (e.g. acute stroke). We have a dedicated ED ultrasound machine for radiology use located directly opposite radiology reporting which allows rapid targeted ultrasound to answer specific questions in acute surgical patients.

The ER fifth year will be expected to participate in the monthly ED teaching case conference which reviews the most interesting ED cases from the previous month. In addition, the ER fifth year leads the weekly case conference for the Radiology Sprs in training, and attends the weekly stroke MDM led by Prof Kavanagh.

Strong links have now been established between the State Pathologist department and Mater Radiology. Dr Ferdia Bolster leads the post-mortem imaging program at the Mater and the ER fifth year will be able to participate in the review of these cases.

For further information, please contact:

Dr Peter MacMahon
pmacmahon@mater.ie

Dr Ferdia Bolster
fbolster@mater.ie

Cappagh & Mater Misericordiae University Hospital

Musculoskeletal Radiology Fellowship

This Musculoskeletal radiology fellowship is a 12 month (or two 6 month) Year 5 SpR position(s) under the auspices of the Mater Misericordiae University Hospital (MMUH), based primarily in Cappagh National Orthopaedic Hospital.

The Department of Diagnostic Imaging in Cappagh National Orthopaedic Hospital has been recently refurbished and has installed overcouch digital fluoroscopy, direct and indirect digital general rooms with tomography, ultrasound, DEXA, C-arm, and a 1.5 Tesla Philips MRI. The department is a Beta research site for Philips MRI. The department currently performs 24,000 dedicated musculoskeletal examinations a year and is served by two consultant musculoskeletal radiologists.

The department offers musculoskeletal interventional sessions, during which arthrograms, bone biopsies, discograms, facet and epidural nerve root blocks and vertebroplasty are performed. There is also dedicated musculoskeletal ultrasound employing the HDI 3500 with a high frequency hockey stick probe, a service which includes imaging of the shoulder, extensor tendons of the ankle and ultrasound guided interventions including tenography.

In a research capacity, the department offers office space, a desktop computer, a digital camera, a laser printer, library facilities, meeting funding and secretarial support, facilitating radiology training. Through the new MR facility, Philips medical systems and Dublin City University, the department is actively involved in research. Current projects involve the development of whole body MRI, the evaluation of fast imaging techniques and the use of diffusion imaging techniques in the extremities. The department is the primary focal point for the national orthopaedic osteoporosis research group and is actively involved in the multidisciplinary evaluation of imaging and new treatments in osteoporosis, using gold standard data yielded through ash scores.

It is anticipated that the appointed specialist registrar will receive full training in the interpretation of orthopaedic conventional radiographs, digital imaging, musculoskeletal ultrasound and MRI with 9 half day clinical sessions and one half day session for research. The appointed specialist registrar will be actively involved in all research projects. The SpR will attend the multidisciplinary sports medicine conference in MMUH and the orthopaedic tumor conference in Cappagh (both weekly) and also will attend the departmental teaching. An on-call commitment in line with the other radiology SpRs in the Mater Misericordiae Hospital is also an integral part of this job.

For enquiries
Prof Stephen Eustace
Prof Eoin Kavanagh
Cappagh National Orthopaedic Hospital

BreastCheck Cork



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Non Consultant Hospital Doctor (NCHD) Job Specification

Job Title and Grade	Non Consultant Hospital Doctor (NCHD) Grade Codes: Specialist Registrar in Radiology, BreastCheck, National Screening Service.
Introduction	<p>The National Screening Service was established by the Minister for Health and Children in January 2007. The establishment followed the launch of a Strategy for Cancer Control in Ireland 2006 (.pdf file 1,500 Kb), which advocates a comprehensive cancer control policy programme in Ireland. The Strategy examines prevention, screening, detection, treatment and management of cancer in Ireland in coming years.</p> <p>The role of the National Screening Service is to:</p> <ul style="list-style-type: none"> • Carry out or arrange to carry out a national breast screening service for the early diagnosis and primary treatment of breast cancer in women; • Carry out or arrange to carry out a national cervical cancer screening service for the early diagnosis and primary treatment of cervical cancer in women and; • Advise on the benefits of carrying out other cancer screening programmes where a population health benefit can be demonstrated; • Implement special measures to promote participation in its Programmes by disadvantaged people. <p>The National Screening Service will maximise expertise across programmes and improve efficiency by developing a single governance model for cancer screening.</p> <p>The National Screening Service encompasses:</p> <p>BreastCheck - The National Breast Screening Programme,</p> <p>CervicalCheck - The National Cervical Screening Programme,</p> <p>BowelScreen - The National Bowel Screening Programme and</p> <p>Diabetic RetinaScreen – The National Diabetic Retinal Screening Programme.</p>
Reporting Relationship	<p>The NCHD's reporting relationship is to the Employer via his/her supervisory Consultant and Clinical Director (if such is in place). The NCHD may be required to report to the designated supervisory Consultant / Clinical Director / Head of Academic Department on matters relating to medical education, training and research. The NCHD will report directly to the Employer as required.</p>
Purpose of the Post	<p>During the appointment the successful candidate will, under the supervision of the Consultant / Clinical Director / Employer, participate in and deliver a quality health care service.</p> <p>Appointees will be required to actively engage in continuing professional education and development in accordance with organisational / professional requirements.</p>

Principal Duties and Responsibilities	<p>The NCHD's standard duties and responsibilities include, as directed by the Consultant / Clinical Director / Employer to, inter alia:</p> <ul style="list-style-type: none"> • participate as a member of a multi-disciplinary team in the provision of medical care to patients; • diagnose and treat patients; • ensure that duties and functions are undertaken in a manner that prioritises the safety and wellbeing of patients; • assess patients on admission and/or discharge as required and write detailed reports in the case notes; • perform diagnostic tests under supervision; Ultrasound, Ultrasound guided biopsy, mammograms, Stereotactic biopsy, Wire-guided localisations. • communicate effectively with patients and clients; • attend clinics and participate in relevant meetings and case conferences. • represent the department / profession / team at meetings and conferences as appropriate; • further progress knowledge of diagnosis and management; • participate in multi-disciplinary clinical audit and proactive risk management and facilitate production of all data / information for same; • co-operate with investigations, enquiries or audit relating to the provision of health services; • maintain professional standards in relation to confidentiality and ethics; abide by the Irish Medical Council 'Guide to Ethical Conduct and Behaviour' (www.medicalcouncil.ie); • seek advice and assistance from the Consultant / Clinical Director / Employer with any assigned cases or issues that prove to be beyond the scope of his / her professional competence in line with principles of best practice and clinical governance; • engage in technological developments as they apply to the patient and service administration; • perform other duties as required by the supervising Consultant / Clinical Director / Employer;
Specific Duties	<p>The post will encompass all aspects of breast imaging to include screening and symptomatic workloads;</p> <ul style="list-style-type: none"> • Attend Bi-weekly Assessment Clinics – these are Radiology-led clinics to include further imaging evaluation and biopsy. All biopsies are performed under image guidance – Ultrasound, Stereotaxis or Tomosynthesis. • Attend weekly Multidisciplinary Team Meetings • Assist Lead Radiologist with Wire localisation sessions • Assist Lead Radiologist with Breast MRI sessions including MR biopsy. • Assist Lead Radiologist with Breast Imaging reporting • Attend and participate in regular Interval Cancer Meetings • Attend Triple assessment in the Symptomatic service. • Encouraged to participate in Research and Audit.

	<p><u>Legislation / Policy / Procedures</u></p> <ul style="list-style-type: none"> • co-operate with such measures as are necessary to ensure compliance with the requirements of the European Working Time Directive and related Irish legislation comply with statutory and regulatory requirements, agreed training principles¹ where appropriate, corporate policies and procedures and human resource policies and procedures (e.g. Dignity At Work, Trust in Care, Flexible Working Scheme etc); • co-operate with such arrangements as are put into place to verify the delivery of all contractual commitments; • document appropriately and report any near misses, hazards and accidents and bring them to the attention of relevant / designated individual(s) in line with best practice; • be aware of risk management issues, identify risks and take appropriate action; <p><u>Education and Training</u></p> <ul style="list-style-type: none"> • attend at NCHD Induction; • participate in mandatory and recommended educational and professional development programmes in accordance with organisational / professional requirements; • maintain and develop professional expertise and knowledge by actively engaging in continuing professional education and development; • make satisfactory progress in his / her training and development as per the requirements of the training body; • engage in planning and performance reviews as required with the supervising Consultant / Clinical Director / Head of Academic Department; <p><u>Health & Safety</u></p> <ul style="list-style-type: none"> • Comply with the policies, procedures and safe professional practice of the Irish Healthcare System by adhering to relevant legislation, regulations and standards; • Document appropriately and report any near misses, hazards and accidents and bring them to the attention of relevant / designated individual(s) in line with best practice; • Work in a safe manner with due care and attention to the safety of self and others; • Be aware of risk management issues, identify risks and take appropriate action; • Promote a culture that values diversity and respect; <p><u>Administrative</u></p> <ul style="list-style-type: none"> • Ensure good working practice and adherence to standards of best practice; • Promote quality by reviewing and evaluating the service, identifying changing needs and opportunities to improve services; • Assist the Consultant / Clinical Director / Employer in service development, including policy development and implementation; • Ensure the maintenance of accurate records in line with best clinical governance, the organisation's requirements and the Freedom of Information Act, and provide reports and other information / statistics as required; • Engage in service audit and demonstrate the achievement of the service objectives; • Represent the department / profession / team at meetings and conferences as appropriate; and • Keep up to date with change and developments within the Irish Health Service. <p><i>The above Job Description is not intended to be a comprehensive list of all duties involved and consequently, the post holder may be required to perform other duties as appropriate to the post which may be assigned to him/her from time to time and to contribute to the development of the post while in office.</i></p>
<p>Eligibility Criteria Qualifications and/ or experience</p>	<p>Before taking up an NCHD post:</p> <p>Each successful candidate must be registered in the Register of Medical Practitioners maintained by the Medical Council of Ireland in accordance with the Medical Practitioners Act 2007.</p>

	<p>Health A candidate for and any person holding the office must be fully competent and capable of undertaking the duties attached to the office and be in a state of health such as would indicate a reasonable prospect of ability to render regular and efficient service.</p> <p>Character Each candidate for and any person holding the office must be of good character</p> <p>Age Age restrictions shall only apply to a candidate where he/she is not classified as a new entrant (within the meaning of the Public Service Superannuation Act, 2004). A candidate who is not classified as a new entrant must be under 65 years of age.</p>
<p>Skills, competencies and/or knowledge</p>	<ul style="list-style-type: none"> • Sufficient clinical knowledge and evidence based practice to carry out the duties and responsibilities of the role. • An ability to apply knowledge to evidence based practice. • Effective team skills and leadership potential. • The ability to plan and deliver care in an effective and resourceful manner. • An ability to manage and develop self in a busy working environment. • The ability to effectively evaluate clinical information and make appropriate decisions. • A commitment to assuring high standards and strive for a patient centred service. • Effective team skills. • Effective communication and interpersonal skills including the ability to collaborate with colleagues, families etc. and good presentation skills. • Awareness and appreciation of the patient and the ability to empathise with and treat others with dignity and respect. • Flexibility and openness to change. • Ability to utilise supervision effectively. • A willingness to develop IT skills relevant to the role.
<p>Medical Practitioners Act 2007</p>	<p>The Health Service Executive (HSE) is required under Section 86 of the Medical Practitioners Act 2007 to assess the number and type of specialist medical training posts required by the Irish health service and put proposals to the Medical Council on the matter.</p> <p>The HSE will only propose to the Medical Council as specialist medical training posts those NCHD posts that are occupied by medical practitioners who are actively enrolled on a structured specialist training programme with one of the Medical Council recognised postgraduate medical training bodies.</p>
<p>The reform programme outlined for the Health Services may impact on this role. As structures change the job description may be reviewed as required by the employer.</p> <p>This job description is a guide to the general range of duties assigned to the post holder. It is intended to be neither definitive nor restrictive and is subject to periodic review with the employee concerned.</p>	

For further information contact:

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