



Manchester Heart Centre

Locum Consultant Cardiologists with interest in Cardiac Imaging

Vision

The vision of **Central Manchester University Hospitals NHS Trust** is to be recognised internationally as leading healthcare; excelling in quality, safety, patient experience, research, innovation and teaching; dedicated to improving health and well-being for our diverse population.

Our Values

Pride
Respect

Dignity
Consideration

Empathy
Compassion

Profile

Central Manchester University Hospitals NHS Foundation Trust (CMFT), established in 2009, is a large teaching hospitals group. CMFT is the seventh largest provider of specialised services in England, The Trust is made up of the hospitals as shown below. The main campus, the Oxford Road site, is located two miles south of Manchester city centre and comprises the following hospitals:

- Manchester Royal Infirmary
- Saint Mary's Hospital
- Manchester Royal Eye Hospital
- Royal Manchester Children's Hospital
- The University Dental Hospital of Manchester
- Trafford hospitals, acquired in 2012, include Trafford Hospital, a general hospital situated in Urmston and two out-patient hospitals in Stretford and Altrincham.

The Trust also provides community services; adults and children's community services for central Manchester and children's community services for the whole of Manchester.

Each Hospital and Division within the Trust is led by a Clinical Head of Division and Divisional Director.

We aim to position the Trust as:

- The leading provider of tertiary and specialist services in the North West
- A prestigious internationally renowned centre for research and innovation
- An excellent district general hospital for the residents of central Manchester
- At the heart of the regeneration of Manchester
- The best place to train and work

And we are committed to:

- Treating our customers safely, courteously and with dignity and respect
- Providing care and treatments for patients within state of the art facilities that are clean and free from infection
- Delivering care, treatment and advice that combines clinical excellence with the highest standards of patient safety, is based upon the best research and employs the latest clinical technologies
- Offering a unique range of services to the North West treating and managing the simplest to the most complex conditions and diseases

The Post

The Manchester Heart Centre is seeking to appoint a Locum Consultant Cardiologist with interest in Cardiac Imaging to support the growing imaging demand within our specialised cardiology services.

This post provides multi-modality imaging and the post-holder will be expected to contribute to a range of imaging modalities. Expertise in stress echocardiography, TOE and cardiac MR and CT would be particularly welcomed. Within CMR there are opportunities to work at both 1.5T and 3T. A significant component of the work in cardiac MR involves patients with adult congenital heart disease and experience in scanning and reporting in this area is desirable.

Imaging within the Manchester Heart Centre supports both secondary and tertiary cardiac and cardiothoracic services, as well as specialist services across the Trust. Therefore the post holder will be working across a wide clinical area including adult congenital heart disease, aortopathies, inherited cardiac conditions, pre-operative assessment for non-cardiac surgery, cardiomyopathy and valvular disease.

Day to day duties will include triage of scan requests, running and supervising scanning sessions, reporting of studies and staff training. The post holder would also be expected to support the surgical/cardiology MDT as well as specialist MDTs. Ample opportunities exist to support and develop research. In addition the post holder will share clinical responsibilities with Consultant colleagues and contribute to the consultant of the week ward based rota within the department. Substantial changes in the provision of healthcare across the City of Manchester are currently ongoing, with planned merger of the Central and South Manchester Trusts. The post may therefore require flexible working across other sites in the future including Trafford General Hospital, Wythenshawe Hospital and North Manchester General Hospital.

For informal discussion and further information, please contact Dr Farzin Fath-Ordoubadi, Clinical Director, on 0161 276 5770 or farzin.fath-ordoubadi@cmft.nhs.uk or Dr Matthew Luckie, Consultant Cardiologist on 0161 276 3250 or matthew.luckie@cmft.nhs.uk.

Central Manchester University Hospitals NHS Foundation Trust

Central Manchester University Hospitals NHS Foundation Trust (CMFT) consists of the following Hospitals on a single site: Manchester Royal Infirmary, St Mary's Hospital, Manchester Royal Eye Hospital and the Royal Manchester Children's Hospital. It also encompasses the University Dental Hospital and Trafford General Hospital which are off site.

Manchester Royal Infirmary is a principal teaching hospital in Manchester. It is situated immediately adjacent to the campus of Manchester Medical School and University of Manchester; Manchester Metropolitan University is also in close vicinity. It covers a very wide range of supra-regional, regional and district specialities, including cardiology and cardiothoracic surgery, nephrology and renal transplantation. Saint Mary's Hospital, on the same site, has beds for regional genetics and regional obstetrics and gynaecology.

Manchester Royal Eye Hospital is the largest eye hospital in the UK outside London. Royal Manchester Children's Hospital is the largest children's hospital in Europe.

As the leading provider of tertiary and specialist healthcare services in Manchester the Trust treats more than a million patients every year. The five specialist hospitals are home to hundreds of world class clinicians and academic staff, committed to finding our patients the best care and treatments.

Manchester Heart Centre

Manchester Heart Centre encompasses both the department of Cardiothoracic surgery and the department of Cardiology. The centre runs as a cohesive unit within the Trust and is a directorate in its own right. It has a single budget and the Clinical Director (currently Dr Farzin Fath-Ordoubadi) is drawn from within the Consultant members of the Manchester Heart Centre. There are 6 Cardiac Surgeons and 20 consultant Cardiologists (including this post).

The department provides a comprehensive cardiac service to the Trust, to the North West Region and beyond.

Wards 3 and 4 are two 28 bedded single sex wards shared between the Cardiologists and Cardiac Surgeons.

There is also a dedicated day case / partial 5-day unit, with ten beds, to which patients are admitted for routine cardiac catheterisation, coronary intervention and other investigations including electrophysiological procedures and pacing. There are 13 critical care beds and a 19 bed Acute Cardiac Centre. There are 2 dedicated cardiac surgery theatres and, in addition, sessions are used in a third theatre shared with general surgical colleagues.

The Cardiology Department has five cardiac catheterisation laboratories, in a new PFI-financed building. These are two biplane digital labs of which one is exclusively used for EPS and a single-plane lab used predominantly for devices. There are full facilities for computerised electrophysiology and radiofrequency ablation, electrocardiography, permanent pacing, echocardiography, ambulatory monitoring and exercise testing. In addition there is access to a hybrid theatre where procedures such as TAVI, lead extraction and interventional ACHD are performed.

There is a developing cardiac CT service jointly with the radiology department, including the use of a 128 slice CT scanner in the radiology department. There is also a very active Regional Department of Nuclear Medicine, which has worked closely with the Department of Cardiology for many years and includes a recently on-site PET-MR scanner installed in conjunction with the University of Manchester.

Department of Echocardiography

In parallel with the other clinical activities, the echocardiography service is currently going through a period of expansion. The department of echocardiography is presently staffed with 5 consultant cardiologists including this post (3 Adult + 2 ACHD), clinical fellows in cardiac imaging and a number of specialised cardiac physiologists. In addition, specialty trainees in cardiac imaging contribute to the echo service.

The department is equipped with 12 high specification echocardiography machines, most less than a year old, having undergone a recent investment and upgrade. We have the capability of advanced 2D transthoracic echocardiography including speckle-tracking strain and tissue Doppler packages, transoesophageal echo, 3D transthoracic & transoesophageal echocardiography and intracardiac echocardiography. Last year, in excess of 12000 transthoracic echocardiograms including complex ACHD echo, 500 transoesophageal echocardiograms and 750 stress echocardiograms were performed. Physiologist-led services in exercise stress echocardiography and valve surveillance clinics are well established as well as providing further support for the trans-catheter valvular and structural heart disease programme with peri-procedural TOE.

Cross-sectional Cardiac Imaging

Cross-sectional cardiac imaging is currently provided jointly by the radiology department in conjunction with consultant cardiologists. Level 3 accredited supervisors are available in both cardiac MR and CT. Through partnership with Nuffield Health we have access to brand new MR and CT scanners with cardiac capability. Over 700 cardiac MR studies were performed last year. In addition, the business case for a further joint radiology and cardiology MR scanner has been approved and is scheduled to be in place in 2018.

Heart Failure

The outpatient heart failure service is one of the largest heart failure clinical services within the UK and runs frequent specialist heart failure clinics with close to 2000 Heart Failure patients under regular follow up.

The cardiologists in the Heart Failure service at the Royal Manchester Infirmary include Dr Colin Cunningham and Dr Fozia Ahmed, in addition to 3 specialist Heart Failure nurses and a dedicated clinical fellow. The successful candidate will support the heart failure team to provide a world class service to patients with heart failure and will be able to work closely and collaborate in the development of a program of research focussed in heart failure and its co-morbidities.

Coronary Intervention

MHC is one of the two heart attack centres providing PPCI in the Greater Manchester area. A full range of procedures including IVUS, OCT, pressure wire measurement, IFR, distal protection devices, rotational atherectomy and percutaneous LV assist devices are undertaken. Last year more than 1600 PCI procedures were performed. Members of the team include Dr Farzin Fath-Ordoubadi, Prof B Clarke, Dr D Fraser, Dr M El-Omar, Dr C Hendry and Dr Y Al-Najjar. In addition interventional colleagues from local hospitals have visiting sessions at MHC and also participate in on call PPCI rota.

Adult Congenital Heart Disease (ACHD)

Manchester Heart Centre is the supra-regional centre for provision of specialist ACHD Service to the whole of North-West, including Isle of Man and North Wales. The service is delivered using a hub and spoke model to a catchment area of 7.2 million. The Cardiologists in the ACHD service include Dr JS Dua (Lead for Structural and ACHD Imaging), Professor B Clarke and Dr Petra Jenkins. There is also support from the Paediatric Cardiologists at the Royal Manchester Children's Hospital.

The ACHD service is significantly imaging-based and the successful candidate will be able to collaborate with the ACHD team not only in research projects, but will also be a part of the on-going development of a high-standard imaging service for ACHD.

Arrhythmia, Pacing and Device Service

MHC is a regional centre for advanced arrhythmia and device service (including lead extraction) in the North-West. The team members include Professor C Garratt, Dr A Zaidi, Dr S Muhyaldeen, Dr F Ahmed and Dr Colin Cunningham. Specialist clinics, including blackout clinics are held regularly.

Medical staffing of the Unit

1. Cardiac Surgery

There are 5 consultant Cardiac surgeons (listed below), supported by 8 middle grade doctors, one ST1/2 and FY1 level trainees.

Mr R Hasan (Clinical lead)
Mr E McLaughlin
Mr Franco Sogliani
Mr H Abunasra
Mr H Bilal

2. Cardiology

The Cardiology team at the Manchester Heart Centre consists of twenty consultants, including three academic staff jointly employed by CMFT and the University of Manchester; Professor Bernard Keavney (Director of Institute of Cardiovascular Sciences), Professor Clifford Garratt (Professor of Cardiology) and Dr L Venetucci (Honorary Consultant)

Principal Interests of Consultant Cardiologists

Professor C Garratt	Electrophysiology, pacing, inherited cardiac conditions, ACHD arrhythmias
Professor B Keavney	Academic cardiology, genetics of complex cardiovascular diseases
Professor B Clarke	Coronary intervention, pacing, ACHD, valvuloplasty and obstetric cardiology
Dr S Muhyaldeen	Electrophysiology, pacing, ACHD arrhythmias
Dr M El-Omar	Coronary intervention
Dr F Fath-Ordoubadi (Clinical Director)	Coronary intervention
Dr D Fraser	Coronary intervention, structural intervention / TAVI
Dr C Hendry	Coronary intervention
Dr A Zaidi	Complex devices / extraction, ACHD pacing
Dr J S Dua	ACHD, structural and ACHD imaging, ACHD arrhythmias, cardiac imaging lead

Dr P Jenkins	ACHD, Cardiac imaging
Dr F Ahmed	Heart failure and devices
Dr M Luckie	Cardiac imaging
Dr C Cunnington	Heart failure and devices
Dr Y Al-Najjar	Coronary intervention
Dr G Morris (Locum)	Electrophysiology
Dr M Motwani (Locum)	Cardiac imaging
Dr A Shah (Locum)	ACHD and structural intervention
Dr L Venetucci (Honorary)	Inherited cardiac conditions

The other medical staffing of the Unit is:

7 Specialty Trainees

4 Clinical Fellows in Invasive/Interventional Cardiology, Electrophysiology and Heart failure

2 Clinical Fellow posts in Cardiac Imaging

1 Clinical Lecturer (with Professor Garratt)

4 Clinical Fellows: not part of the shift system

2 ST-1 or ST-2 level trainees (Medical rotation/CCU)

1 F1 Doctor

Secretarial Support/ Office accommodation

Secretarial support is provided with the post, secretaries work in sub-specialty teams with dedicated typing support and booking coordinators. An office for the appointee is available.

Research and Innovation

CMFT undertakes research in a diverse range of clinical areas and regularly recruits first global patients into clinical trials. We believe that clinical research is most successfully translated into improved care for patients through the combined efforts of patients, clinicians, scientists, industry and other partners. We are dedicated to improving health and well-being for our diverse population. Research and innovation are central to our vision to be recognised internationally as a leading centre for healthcare provision.

Why work at CMFT?

Patients. Some 2.6 million people live in Greater Manchester, with demographics representative of all major developed world disease areas, ethnic groups and areas of considerable deprivation. Over one million patients per year are cared for across our eight hospitals and community services.

Location. Greater Manchester is in the top three UK regions for attracting industry studies, and is home to a large, diverse and stable patient population. CMFT is located at the heart of the largest clinical-academic campus in Europe.

Connections. We are intrinsically connected with The University of Manchester – through colocation, and our joint biomedical research strategy, appointments, and medical training programme.

With the University of Manchester we are one of seven partners in the Manchester Academic Health Science Centre (MAHSC), the only AHSC outside of Southern England; designated by the Department of Health, this is a quality stamp for the research we conduct. We host the National Institute for Health Research (NIHR) Clinical Research Network: Greater Manchester, and work closely with the Greater Manchester Academic Health Science Network and the Northern Health Science Alliance.

Quality of research. We are home to the NIHR / Wellcome Trust Manchester Clinical Research Facility (adults and children's), the NIHR Manchester Musculoskeletal Biomedical Research Unit and one of the NHS England 100K Genome Centres.

Infrastructure. We empower our staff to identify and assess unmet needs, and support them in working with industry and other partners to craft co-developed diagnostics, treatments and devices.

At CMFT, principal investigators work as part of a cross-functional team (divisional research managers, research nurses/midwives/coordinators, research office administrators, quality manager, innovation management service [TRUSTECH], etc.) dedicated to driving research and innovation.

Performance. We are continuously looking for ways in which we can improve delivery of our research studies. Over the past three years, we have significantly reduced the average time for study approval and first patient recruited (NIHR targets).

Research and Innovation Division reports directly to the CMFT Board providing timely decision making, as well as strategic oversight and assurance to the Trust Board in relation to the management and governance of all research activities within the Trust and in our collaborations and partnerships.

Our world-leading research facilities, and the provision of internal pump-priming grants, provide a first-class environment for translational research in a hospital setting.

There are ample opportunities for collaboration within the Trust and the University of Manchester and the Institute of Cardiovascular Sciences. The Department also has a Research Nursing Team supporting a number of these activities. There are close links with the Department of Medicine and research links also exist with the Department of Nuclear Medicine.

Professor Bernard Keavney's main research interest is in the genetics of complex cardiovascular diseases. His group are chiefly interested in understanding the functional biology underlying some of the many genetic associations with complex cardiovascular diseases that have been detected in genome-wide association studies and using next-generation sequencing approaches to further define the genetic architecture of congenital heart disease. Professor of Medicine Tony Heagerty has an active cardiovascular research group working on gene therapy, with a particular emphasis on the endothelium. Professor David Eisner (BHF Professor of cardiac electrophysiology) is a basic scientist (electrophysiologist) liaising with our clinical electrophysiology department. Professor Boyett, from the same research group, currently has 3 SpRs as PhD students. Prof Cliff Garratt is a professor of Cardiology and leads arrhythmia based research

Postgraduate Facilities

There are well-equipped postgraduate departments, including a well-equipped library with search facilities. They are responsible for career advice and guidance to Junior Doctors, and for approving the study leave of junior staff. The Dean of Postgraduate Medical Studies for the North West Region, based at the Medical School is Professor Jackie Hayden. All staff including Consultants are expected to undergo continuing medical education, and to use their study-leave allocation for this purpose.

Teaching

The appointee will be expected to take part in the teaching sessions organised by the department. Each general medical firm has third and final year students attached who receive weekly teaching from individual consultant cardiologists on a rotational basis. Elective medical students, as are visiting postgraduates, are often attached to the Cardiology department.

Clinical Audit

Monthly meetings take place between the Cardiology and the cardiothoracic arms of the Manchester Heart Centre. The successful candidate will be expected to contribute to the ongoing audit programme.

Appraisal and Job Plan Review

The Trust has an electronic appraisal and revalidation scheme. This job description is a reflection of the current duties of the post and may be subject to change in the future following consultation with the post-holder. Annual appraisal is now obligatory for all consultants and will include an annual Job Plan review.

Continuing Medical Education

There are ample opportunities within the Trust to participate in ongoing training and the new appointee would be expected to comply with the regulations. The cardiology department runs a weekly imaging meeting and regular academic meetings. There is a weekly cardiac surgical meeting and a weekly "Grand Round" meeting coordinated by the Postgraduate Department. Leave would be available to comply with the need to attend external meetings. The Manchester Heart Centre runs an all-day open yearly meeting, and participation in this meeting would be expected.

The Trust supports the requirements for Continuing Medical Education, as laid down by the Royal College of Physicians and is committed to providing time and financial support for these activities.

On-Call arrangements and Colleague Cross Cover

There is a weekly Consultant of the Week arrangement in place. The appointee will be expected to take part in the weekly rota (currently approximately 8 weeks per year) which includes 7 day ward round provision and provide cross cover at the request of the Clinical lead.

Information Technology

You are encouraged to pro-actively seek to work with the Trusts information technology resources, to exploit the full benefits of information technology in delivering improved patient care.

New Consultant Development Programme

All new Consultants to CMFT are required to participate in the New Consultant Development programme. This programme is designed to aid the transition from trainee to Consultant through an iterative and interactive programme running over the course of a year. The programme is delivered through a monthly day long session which replaces other activity on that day, including clinical activity. This equates to an additional 0.5 SPA over the year, with a corresponding decrease in DCC activity. SPA time will be reviewed in light of new colleagues taking on additional roles, either within the department or externally.

Maintaining Medical Excellence

The Trust is committed to providing safe and effective care for patients. To ensure this there is an agreed procedure for medical staff that enables them to report quickly and confidentially, concerns about the conduct, performance or health of medical colleagues (Chief Medical Officer, December 1996). All medical staff practising in the Trust should ensure that they are familiar with the procedure and apply it.

Risk Management

The Trust has a Risk Management Strategy. All Consultant Medical Staff are required to adhere to the principles and practices contained therein.

Health & Safety

The Trust has a statutory responsibility to provide and maintain a healthy and safe environment for its staff to work in. You equally have a responsibility to ensure that you do nothing to jeopardise the health and safety of either yourself or of anybody else. The Trust's Health and Safety Policies outline your responsibilities regarding Health and Safety at Work.

The post holder must not wilfully endanger him/herself or other persons while at work. Safe working practices and safety precautions must be adhered to. Protective clothing and equipment must be used where appropriate. All accidents must be reported, and the post-holder is asked to participate in accident prevention by reporting potential hazards.

Infection Control

It is a requirement for all staff to comply with infection control policies and procedures as set out in the Trust infection control manual.

Security

The post-holder has a responsibility to ensure the preservation of NHS property and resources.

Confidentiality

The post-holder must maintain confidentiality at all times in all aspects of the work.

Equal Opportunities

The Trust encourages Equal Opportunities and operates an Equal Opportunities Policy. All individuals regardless of race, ethnicity, nationality, gender, or disability are encouraged to apply for all posts advertised.

Smoking

The Trust operates a No Smoking Policy.

Person Specification - Consultant in Cardiology / Cardiac Imaging

Criteria for Selection	Essential	Desirable
Qualifications and skills	<ul style="list-style-type: none"> • Full GMC registration and License to Practice • MRCP • Relevant CCT or equivalent ('equivalence' must be confirmed by PMETB/GMC by date of AAC) • Entry onto the GMC Specialist Register or eligibility for entry within 6 months of the date of the interview • BSE trans-thoracic echocardiography accreditation or equivalent • Extensive experience of complex echocardiography and other cardiac imaging modalities • Experience in ACHD imaging 	<ul style="list-style-type: none"> • BSE trans-oesophageal echocardiography accreditation or equivalent • High volume experience in stress echocardiography • Level II / III accreditation in CMR • Experience of working at both 1.5 and 3T for cardiac MR • Dedicated ACHD imaging training
Clinical experience and effectiveness	<ul style="list-style-type: none"> • Clinical training and experience in general cardiology equivalent to that required for a UK CCT • Experience in tertiary centre cardiac imaging 	<ul style="list-style-type: none"> • Experience of imaging service development / improvement
Research and publication experience	<ul style="list-style-type: none"> • Research experience within cardiac imaging 	<ul style="list-style-type: none"> • Publication track record in imaging • Higher Research Degree
Personal attributes	<ul style="list-style-type: none"> • Good leadership skills • Ability to communicate effectively with colleagues, patients, relatives, GPs, nurses and other agencies • Enthusiasm and ability to work under pressure • Good organisational and management skills • Ability to work within a multidisciplinary team • Experience of teaching in a range of settings 	<ul style="list-style-type: none"> • Medical leadership program • Teaching qualification

Job Plan for Locum Consultant Cardiologist with Special Interest in Cardiac Imaging:

Day	Time	Location	Work	Categorisation Code	No. of PAs
Monday	0900-1300	CMFT	CMR list		1.0
	1300-1700	CMFT	CMR list		1.0
Tuesday	0900-1100	CMFT	Patient Related Administration		0.5
	1300-1700	CMFT	Complex echo list – stress / TOE		1.0
	1700-1800	CMFT	Cardiac MDT		0.25
Wednesday	0900-1300	CMFT	SPA (CPD)		1.0
	1300-1700	CMFT	OP Clinic		1.0
Thursday	0900-1300	CMFT	Stress echo		1.0
	1300-1500	CMFT	Echo review and reporting		0.5
	1500-1700	CMFT	SPA (New consultant programme / mentoring)		1.0
Friday	0900-1230	CMFT	CMR		0.875
	1230-1330	CMFT	Echo education meeting		0.25
	1330-1600	CMFT	TOE		0.625
Saturday					
Sunday					
Additional agreed activity to be worked flexibly.					
Predictable emergency on-call work					
Unpredictable emergency on-call work					
TOTAL PA's					10

The above represents an indicative job plan, the final version of which will be agreed with the successful candidate upon commencing in post.