Training Programme Information for Posts in Paediatric Cardiology at ST4 Level

Recruitment 2019

This document has details of all of the training programmes in the UK/Eire/Scotland areas.

Entry requirements for all placements are in line with the Modernising Medical Careers’ Person specification which can be found on the MMC website: http://specialtytraining.hee.nhs.uk/ and the Applicant Guide.

Details of the full curriculum for Paediatric Cardiology can be found on the Joint Royal Colleges of Physicians Training Board (JRCPTB) website: http://www.jrcptb.org.uk/

Further details will be available from your new employing organisation once you have accepted an offer of a post.

<table>
<thead>
<tr>
<th>London</th>
<th>East Midlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>North East</td>
<td>Scotland</td>
</tr>
<tr>
<td>Wessex</td>
<td>West Midlands</td>
</tr>
<tr>
<td>Yorkshire &amp; Humber</td>
<td></td>
</tr>
</tbody>
</table>

Any information not included in this document should be available from specific deanery websites.
Health Education London and South East

National Selection Information for ST4

Pan London and Oxford Paediatric Cardiology training programme

Training is delivered at three London Hospitals within the programme: Great Ormond Street Hospital for Children, Evelina Children’s Hospital and The Royal Brompton Hospital. In addition one trainee each year is placed at the John Radcliffe Hospital (Oxford Children’s Hospital) in Oxford. This trainee would rotate back to London after the first (ST4) year.

There are a total of 13 approved training posts (GOS 5, Evelina 4, RBH 3, Oxford 1). The Oxford post has been designated for ST4 training only. Rotation occurs between the training centres. In general a trainee can expect to rotate yearly through three of the centres over the first three years of the programme. There is then the opportunity to spend a longer period of time at a unit in the final 2 years to facilitate subspeciality training. Rotations are decided annually and trainee preferences are considered with priority given to those in the later years of the training programme. Each unit has in-house educational programme for trainees and all trainees are also expected to attend national teaching days organised throughout the year.

All of the JRCPTB paediatric cardiology curriculum special interest options for ST 7-8 can be provided within the pan London programme.

For further information please contact:

Dr Victoria Jowett
TPD/STC Chair, Pan London training programme
Consultant Paediatric and Fetal Cardiologist
The Royal Brompton Hospital
London SW3 6NP
v.jowett@rbht.nhs.uk

Information about each specific training venue can be obtained from Dr M Fenton (GOS), Dr A Bell (Evelina), Dr B Tsai-Goodman (RBH), and Dr S Adwani (Oxford). Dr Gabrielle Norrish, currently at GOS, is the pan London trainee representative, and can also provide information about the programme.
Health Education East Midlands

National Selection Information for ST4

Currently located at the Glenfield Hospital, East Midlands Congenital Heart centre serves a catchment population of over 4.5 million. We have a strong track record of recruiting and training high quality paediatric cardiologists, and University Hospitals of Leicester NHS trust is committed to supporting the service going forward and to co-locating the paediatric component of the service to new facilities with the Leicester Royal Infirmary by 2019-20.

We have a team of 6 middle grade cardiology doctors; 4 NTNs and 2 trust fellows, working a 1 in 6 non-resident on-call rota. It is expected that all trainees will rotate to Birmingham Childrens’ hospital for 1 of the ST4-6 years and some may indeed start at BCH depending on the rota gaps. We also encourage rotational training at ST7 or 8 depending on interests.

East Midlands Congenital Heart centre is a world renowned centre of pioneering excellence. The unit introduced ECMO to the UK, but has continued to lead and develop this field of complex total life support for the sickest and most vulnerable children. Our centre pioneered transcatheter ASD closure, transcatheter aortic valve replacement, and leads in other innovative practice. All subspeciality areas except quaternary pulmonary hypertension and transplant training are offered. We consistently rate highly in the National Trainees surveys and have been rated ‘outstanding’ for our ARCP processes.

Facilities include High Dependency, Day Care and Outpatient Units. There are 19 paediatric cardiology ward beds and 12 dedicated paediatric cardiology and paediatric ECMO PICU / HDU beds. There are 130+ adult cardiac beds comprising 40 cardiac surgical beds, 30 adult cardiac / surgical ICU beds and 60 cardiovascular medicine beds including an 18 bedded Coronary Care Unit. We have four Consultant Congenital Heart Surgeons (one Professor), 8 Paediatric & Congenital Cardiologists (1 Professor) and 2 dedicated Adult CHD consultants. Adult congenital cardiology and cardiac surgery inpatients are currently co-located on adjacent wards.

We have a dedicated Congenital Heart Disease outpatient facility, ‘one stop’ digital echo’ facilities, Holter monitoring and exercise testing, & close collaboration with the ‘adult acquired’ non-invasive investigations service for cardiopulmonary exercise testing, pacing etc. We hold paediatric and ACHD clinics are held at Glenfield and all around the East Midlands, including Nottingham, Derby, Lincoln, Grantham, Boston, Mansfield, Peterborough, Nuneaton & Kettering. We have a large angiocatheter suite with six catheter laboratories including 1 biplane congenital laboratory and two electrophysiology labs. The full range of complex congenital intervention procedures are undertaken including transcatheter valve replacement, VSD closure, neonatal RVOT stenting and catheter intervention for patients receiving ECMO. UHL’s vascular surgical and interventional programme is now also located at Glenfield Hospital providing us with access to state of the art hybrid facilities as well. We also have access to top end cardiac CT & MRI facilities. In addition to the cardiology, cardiac surgery and ECMO programmes, respiratory medicine and thoracic surgery are also on site.

Research: EMCHC has an excellent track record of groundbreaking clinical and laboratory research with major investments from the British Heart Foundation,
Wellcome and Sanger Institutes (genomic research) & is one of the very few new government funded (£11M) Biomedical Research centres.

Senior Staff:
Dr Aidan Bolger Consultant Cardiologist: ACHD, Head of Service,
Prof Frances Bu’Lock Consultant Paediatric Cardiologist: Fetal and ACHD (SAC Chair)
Dr Daniel Velasco-Sanchez Consultant Paediatric Cardiologist: Intervention
Dr Marinos Kantzis Consultant Paediatric Cardiologist: Intervention
Dr Vinay Bhole Consultant Paediatric Cardiologist EP (shared contract with BCH)
Dr Suhair Shebani Consultant Paediatric Cardiologist: Fetal and advanced echo. TPD.
Dr Katie Linter Consultant Paediatric Cardiologist: General Paediatric Cardiology and Fetal
Dr Simon MacDonald Consultant Cardiologist: ACHD
Dr Saran Durairaj Consultant Paediatric Cardiologist: MRI and CT
Dr Greg Skinner Consultant Paediatric Cardiologist (imaging)
Dr Thomas Mukasa Locum consultant Paediatric Cardiologist
Dr tbc Consultant Interventional Cardiologist
Dr tbc Consultant ACHD Cardiologist
Dr Branko Mimic Consultant Congenital Cardiac & Thoracic Surgeon (Lead Surgeon)
Prof Antonio Corno Consultant Congenital Cardiac & Thoracic surgeon
Mr Ikenna Omeje Consultant Congenital Cardiac Surgeon
Mr Imran Saeed Locum Consultant Congenital Cardiac and Thoracic surgeon

Contacts: suhair.shebani@uhl-tr.nhs.uk
frances.bulock@uhl-tr.nhs.uk
Health Education North East

National Selection Information for ST4

Training is delivered at Freeman Hospital, The Newcastle upon Tyne Hospitals NHS Foundation Trust (NuTH) which is one of the largest and most successful teaching hospitals in England providing academically led acute, specialist and community services locally to a large and diverse population across the North East and Cumbria as well as nationally and internationally.

The Trust has a strong culture of research and innovation with formal management relationships with Newcastle University, the University of Northumbria in Newcastle and the centre for Life. It is one of the top in the country for the quantity of research and recruitment to commercial and non-commercial portfolio studies. The specialist clinicians combine medical expertise with an innovative approach to new technologies and treatments, and are dedicated to providing a safe, high quality service.

This is a post to join five other middle grade doctors and is for the duration of 5 years at Freeman Hospital, which includes 3 years of core training and last 2 years of Special Interest training. All of the paediatric cardiology curriculum special interest apart from imaging options can be provided.

The Freeman Hospital is an established centre of excellence and one of the two national centres for mechanical support and heart transplantation. Freeman Hospital is a designated ECMO centre and has over 25 years of experience in this specialised field. As a result it is a supra-regional centre for the management of severe heart failure and teaching and training is provided to senior clinical teams from European centres in the use of berlin Heart device.

The Freeman Hospital’s Paediatric Cardiothoracic Unit is the only unit in the UK able to offer all forms of cardiac treatment, regardless of age, under one roof. The results are excellent.

There are formal teaching sessions in cardiology and cardiac surgery on a regular basis. There are joint cardiology and cardiac surgical meetings as well as regular clinical governance meetings.

The post provides exposure to all aspects of congenital heart disease. These are busy posts with numerous learning opportunities.
Scotland

National Selection Information for ST4

This brief prospectus cannot provide a comprehensive account of all aspects of training in paediatric cardiology in Scotland. Candidates considering training in Scotland are very welcome to contact the Training Program Director to discuss their intentions.

The Training Centre

The Royal Hospital for Children (RHC) in Glasgow is the single training site for paediatric cardiology in Scotland, drawing on a catchment population of 5.4 million. In 2015 the Royal Hospital for Sick Children as it was known transferred services to a new, state-of-the-art children’s hospital as part of the new Queen Elizabeth University Hospital campus. The cardiac ward is a 14-bed dedicated unit adjacent to the intensive care unit, cardiac catheterisation laboratory, cardiac theatres and neonatal unit. New MRI and CT scanners were installed prior to moving into the new hospital. The catheterisation suite can accommodate hybrid cases and full bypass surgery and the echocardiography department is equipped with the latest hardware and software. All non-cardiac tertiary paediatric services are represented on site.

The cardiac service at RHC is staffed by seven cardiologists and three surgeons. There are two ST1-7 general paediatric trainees (often undertaking SPIN training) and an FY2, with additional support from three ANPs and a Fellow. The team also includes 10 physiologists, four liaison nurses and three Advanced Nurse Practitioners (ANPs). Unit activity includes four all-day operating sessions, two all-day catheterisation sessions, and weekly electrophysiology and pacing sessions. Outpatient clinics run at all times other than Friday afternoon. There is a weekly ANP-led pre-admission clinic. Sub-specialty clinics in pulmonary hypertension, cardiomyopathy and cardiac genetics are held every several months, the first two in conjunction with a team from Great Ormond Street Hospital. ACHD services are provided at the Golden Jubilee National Hospital (GJNH). A monthly transition clinic is held at RHC.

Training

All acute neonatal referrals requiring early treatment and all children requiring surgery or intervention in Scotland are managed at RHC, providing excellent training exposure and rapid acquisition of skills during core training. Trainees take part in a 1:5 resident partial shift roster, overnight call being provided via the Hospital At Night Team. This ensures training opportunities are not missed through compensatory rest after being on call the preceding night. The Scottish Government has not applied the new junior doctor’s contract implemented in England and Wales. Trainees are based throughout their training at RHC, with exposure to adult congenital cardiology provided at the GJNH.

Trainees are assigned to rotating weekly duties such as ward week, cardiac catheterisation and echocardiography. Attendance at outpatient sessions is built into every week. There is a highly developed teaching program consisting of weekly sessions facilitated by a consultant, weekly surgical teaching, twice monthly formal echocardiography teaching and twice monthly ECG teaching. A journal club is held on Fridays. Trainees are expected to participate in the teaching and supervision of
junior doctors and medical students. Participation in audit and research initiatives is required and trainees contribute to the weekly joint cardiac conference and mortality discussions. Attendance at the National Training Days is facilitated. As trainees progress through the program they become involved in running some elements of the service, with early exposure to management and leadership.

Dr Benjamin Smith
Paediatric Cardiologist and Interventionist
Scottish Training Program Director, Paediatric Cardiology
Royal Hospital for Children
NHS Greater Glasgow and Clyde
1345 Govan Road
Glasgow G51 4TF

T: + 44 141 451 6551
F: + 44 141 201 2215
E: ben.smith@ggc.scot.nhs.uk
National Selection Information for ST4

ST4 in Paediatric Cardiology
Congenital Heart Disease Unit
Southampton University Hospitals NHS Trust
Southampton – Oxford Congenital Cardiac Network

The Southampton University Hospitals Paediatric and Adult Congenital Heart Disease Unit currently serves a population of approximately 5 million people living in Southern Central England. We work in close collaboration with congenital cardiac colleagues at the John Radcliffe Hospital, Oxford as part of a Congenital Cardiac Network.

Integrated cardiac and cardiac surgical services are provided for all age groups at Southampton General Hospital. The department is fully co-located with adult cardiac services and a supra-regional tertiary specialist children’s hospital. The cardiac unit is an integrated facility comprising of a modernised children’s cardiac ward (with 20 beds and high care facilities), a purpose–built 18 bedded ‘level 3’ PICU, 119 adult cardiology / cardiac surgical beds, CICU, cardiac theatres, cath labs, MRI and dedicated hybrid suite.

Training through to CCT is undertaken in accordance with the current JRCPTB paediatric cardiology curriculum and specialist training in ST7/8 can be offered within the deanery in Advanced echocardiography, MRI & CT, Cardiac catheterisation, Fetal cardiology, Electrophysiology and ACHD.

Congenital cardiac staffing includes 8 consultant paediatric cardiologists, 5 ACHD consultants, 3 consultant congenital surgeons, 8 middle grade positions (including 3 NTNs) and 4 SHO (ST1 – 3) posts. Out-of-hours middle grade cover is provided on a 1:8 on-call basis (non-residential after 21:00) with dedicated SHO ward cover overnight during weekdays. The rota is fully compliant with the new contract.

There is an active teaching programme and the unit is recognised for its supportive nature and the quality of the training it provides. Participation in the joint paediatric cardiology conference, M&M and clinical audit is required and research strongly encouraged, with close links to the university and biomedical research unit on site.

Applicants requiring further information are encouraged to contact Dr Nicholas Hayes, Programme Director, or Dr Kevin Roman, Departmental Lead on 02381 205920. Applicants are welcome to visit the department to view the facilities available and the working environment.
Health Education West Midlands

National Selection Information for ST4

DIANA, PRINCESS OF WALES, BIRMINGHAM WOMEN AND CHILDREN’S HOSPITAL NHS TRUST

Summary of Post

This is a post to join 10 other middle grade doctors (4 paediatric cardiology specialist trainees, 5 staff grade/clinical fellows & 1 general paediatrics) as a part of the West Midlands Deanery Training for Paediatric Cardiology, and is for the duration of 5 years at Birmingham Children’s Hospital. The candidate may be required to rotate to Glenfield Hospital, Leicester for a period of one year depending on the trainee needs (decided by the training program director) during the core training. Birmingham Children’s Hospital is an established centre of excellence and also acts as a supra regional and international referral centre for cardiology and cardiac surgery. There are close links with University Hospital of Birmingham where adult cardiology and adult congenital heart disease services are based.

Paediatric cardiology training program at Birmingham children’s hospital is a busy and clinically rich program. The department undertakes 400 – 450 cardiac surgeries and over 500 cardiac catheterisation procedures every year including invasive electrophysiology and pacing procedures. It has busy outpatient department with 12,000 visits per year. There is also an active cross sectional imaging program with over 600 cardiac MRI/CT scans performed per year. The fetal cardiology program which is delivered at Birmingham Women’s hospital undertakes around 2000 fetal scans. There is an active heart failure and invasive cardiac electrophysiology program. There is a 29 bedded paediatric intensive care unit with an ECMO/ECLS program.

The unit has 4 paediatric cardiac surgeons and 10 paediatric cardiologists with varied areas of special interest.

The specialist trainee post work pattern is a full shift rota compliant with junior doctor’s contract. The rota has been adapted to provide appropriate experience depending on the year of training. All sub-specialty interest training is provided except cardiac transplantation and pulmonary hypertension.

The weekly training activity includes regular echo meeting on Monday, surgical teaching on Tuesdays and a journal club on Thursdays. Trainees will be expected to participate actively in clinical audits and contribute to NICOR data collection. They will also be expected to attend the joint cardiology and surgical meetings which are held 2 times a week.

Trainees will be encouraged to do clinical research and to present at national and international meetings. There will be support for publications in peer reviewed journals.

Contact: Dr Vinay Bhole, Consultant Paediatric cardiologist, Birmingham children’s hospital
Tel: 0121 3339457 Email: vinay.bhole@nhs.net
Health Education Yorkshire & Humber

National Selection Information for ST4

The Post
Training is offered as per the current curriculum in Paediatric Cardiology, available for download from the JRCPTB website. If the curriculum is updated during the post, the trainees will be expected to transition onto the most recent updated version of the curriculum, and will be assessed on the basis of this. Training in Paediatric Cardiology is currently competency based over a nominal period of 5 years, with 3 years general paediatric cardiology training and then a further 2 years of special interest training in a range of areas.

The 5 years of training in Yorkshire and the Humber is undertaken at Leeds General Infirmary - we do not require trainees to rotate between sites. The LGI is a major teaching hospital with all neonatal and paediatric specialities co-located at the same hospital site. There is also co-location with antenatal and maternity services to allow antenatally diagnosed infants to be born “in-house”. There are close links with an extensive Adult Congenital Cardiology department and Adult Cardiology services are also on site.

The special interest training areas currently available for ST7-8 trainees in Leeds are Interventional Cardiac Catheterisation, Electrophysiology and Pacing, Fetal cardiology, Adult Congenital Cardiology, Advanced echocardiography, Advanced imaging (CT/MRI).

Trainees wishing to train in other special interest areas may be supported in applications for Out of Programme experience, depending on performance levels in the initial 3 years of training.

The Department
We are the largest congenital cardiac department (by procedure count) in the North of England, and have a particular focus on improving outcomes in children with uni-ventricular cardiac conditions. We have a hybrid cardiac catheter lab opening in March 2019 to allow joint working with interventionalists and surgeons.

The Team
There are currently 9 full time consultants in Paediatric Cardiology and a further 5 full time consultants in Adult Congenital Cardiology with expertise covering a broad range of special interest areas. The Paediatric Cardiac Surgery team currently comprises 3 full time consultants with a 4th recently appointed.

At present the registrar rota is 1 in 9 with non-resident 24 hour on call for paediatric cardiology patients, and is compliant with all current workforce legislation. The cardiology team comprises a number of specialist nurses and allied health professionals who are dedicated to improving the lives of children with heart disease and their families.

The Region
The post is based in the large city of Leeds, which has a cosmopolitan culture and bustling nightlife. This lies within West Yorkshire, with other towns and cities close by. Yorkshire is renowned as an area of natural beauty; with many rural areas such as the Yorkshire Dales easily accessible from Leeds, and excellent road and rail and air links to the rest of the country and beyond (should you ever want to leave).