Please find below programme information for the above sub-specialty for training programmes starting in September 2020.

Page 2 contains a list of all submitted programmes of training; the job descriptions for each post follow on.

Each subspecialty grid programme covers the RCPCH curriculum as specified on the RCPCH.

Please note: Programme submissions can be withdrawn or amended at any point until an offer of employment has been made to an applicant.

Application Process

Applications for the NTN Grid open from 12 noon Friday 6 September 2019 and close at 12 noon Monday 30 September 2019. Applications can only be accessed during this period from the College website.

For more information on the grid process and to access the Grid Applicants Guide please visit: http://www.rcpch.ac.uk/ntngrid

Contact Details

For specific sub-specialty information, please contact:
Dr Mark Lyttle
Email: mdlyttle77@gmail.com
Email: ntn.grid@rcpch.ac.uk
Tel: (020) 7092 6139
Paediatric Emergency Medicine Programme Description 2020

<table>
<thead>
<tr>
<th>Deanery</th>
<th>Programme of Training</th>
<th>Places available</th>
<th>Duration (Years)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Midlands North</td>
<td>University Hospitals of Derby</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>East Midlands North</td>
<td>University Hospitals of Nottingham</td>
<td>1</td>
<td>2</td>
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<tr>
<td>East Midlands South</td>
<td>University Hospitals of Leicester</td>
<td>3</td>
<td>2</td>
<td>11</td>
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<tr>
<td>East of England</td>
<td>Addenbrookes Cambridge University Hospital NHS Trust</td>
<td>1</td>
<td>2</td>
<td>15</td>
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<tr>
<td>KSS and Wessex</td>
<td>Royal Alexandra Children’s Hospital</td>
<td>1</td>
<td>2</td>
<td>21</td>
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<tr>
<td>London</td>
<td>Evelina Hospital, Homerton Hospital and St Mary's Hospital</td>
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<td>2</td>
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<tr>
<td>Northern Ireland</td>
<td>Royal Belfast Hospital for Sick Children, Belfast</td>
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<td>2-3</td>
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<tr>
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<td>Alder Hey Children’s Hospital</td>
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<td>47</td>
</tr>
<tr>
<td>North West (RMCH)</td>
<td>Royal Manchester Children’s Hospital</td>
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<td>2</td>
<td>51</td>
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<tr>
<td>Severn</td>
<td>Bristol Children’s Hospital</td>
<td>1</td>
<td>2-3</td>
<td>60</td>
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<tr>
<td>South East Scotland</td>
<td>Royal Hospital for Children and Young People, Edinburgh</td>
<td>1</td>
<td>2</td>
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<td>Thames Valley</td>
<td>John Radcliffe Hospital</td>
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<tr>
<td>Wales</td>
<td>University Hospital for Wales, Cardiff and Noah’s Ark Children’s Hospital</td>
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</table>
Please note Paediatric Emergency Medicine programmes may still be subject to some slight changes. A full confirmed programme submission document will be available as soon as possible and by the application opening date, 6 September 2019.

<table>
<thead>
<tr>
<th>Region</th>
<th>Hospital and Trust</th>
<th>Number 1</th>
<th>Number 2</th>
<th>Code</th>
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<tr>
<td>Wessex</td>
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<tr>
<td>West Midlands</td>
<td>Birmingham Children's Hospital, Women’s and Children's NHS Foundation Trust</td>
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<tr>
<td>Yorkshire and Humber</td>
<td>Hull and Leeds</td>
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## East Midlands North (Derby)

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Availability (Y/N)</th>
</tr>
</thead>
</table>
| Royal Derby Hospital          | Children’s Emergency Dept       | 12                | Dr Julia Surridge
Julia.Surridge1@nhs.net                                                       | C              | Y                  |
| Royal Derby Hospital          | Paediatric Orthopaedics         | 3                 | Mr S Tafazal
Suhayl.tafazal1@nhs.net                                                         | C              | Y                  |
| Royal Derby Hospital          | Paediatric Surgery              | 3                 | Mr John Quarmby
John.quarmby@nhs.net                                                            | C              | Y                  |
| Queen’s Medical Centre        | Paediatric Intensive Care       | 6                 | Patrick Davies
Patrick.davies@nhs.nhs.uk                                                       | C              | Y                  |

### Additional Information:
This post is a grid Paediatric Emergency Medicine post with all the requirements for the post holder to attain their subspecialist training competencies and CCT in Paediatric Emergency Medicine. The PICU placement is undertaken at Queen's Medical Centre, Nottingham, the timing of which will be determined by the needs of either the training programme or the trainee. The surgical specialties training can be tailored to suit the post holder with all the surgical specialties available, with the opportunity in addition for adolescent gynaecology and a regional hand referral unit. In addition time at a Major Trauma Centre will be arranged to gain there specific competencies.
Sub-specialty: Paediatric Emergency Medicine

Base Unit: Royal Derby Hospital, Derby

Deaneries involved: East Midlands North – Royal Derby Hospital and Queen's Medical Centre, Nottingham

Outline of Programme:

A comprehensive training programme based in a busy dedicated Children’s Emergency Dept (CED) providing care for children in the Derbyshire region. 12 months in CED with general on-call duties within the general paediatric rota and late shifts within CED.

6 months surgical attachment with the trainee being supernumerary in the daytime being able to attend specialist clinics and theatre lists, with general on-call duties within the general paediatric rota and late shifts within CED.

6 months PICU attachment undertaken at Queens Medical Centre, Nottingham with full shifts and a retrieval service within COMET - Children's Medical Emergency Transport - a dedicated critical care transport service for children in the East Midlands

Experience in a local Major Trauma Centre will be arranged to provide experience in this environment and support gaining these competencies

Departmental Information:

- Demographics

The Children's Emergency Dept in Derby is a purpose built 24 hour facility and a Major Trauma Unit with dedicated paediatric medical and nursing staff. Daily attendances average 100-140, and annually over 36,000 with an approximate 50:50 split of trauma to medical attendances. The Children's Hospital provides a centralised service to a population of over half a million. All children requiring emergency care, including primary care referrals present to the department. The department therefore functions as an emergency department as well as a paediatric assessment unit, with all attendees being assessed and managed within the 4 hour standard of care. The children and young people may be admitted directly to the paediatric wards following appropriate specialist review where necessary. There is a dedicated CAMHS RISE service for the children and young people presenting with acute mental health concerns, allowing prevention of admission and appropriate forward planning for their care. The department is adjacent, but separate to, the adult emergency department.

The Royal Derby Hospital merged with Queen’s Hospital Burton in 2018 forming the University Hospitals of Derby and Burton NHS Foundation Trust. This also incorporates the Community Hospitals of Lichfield and Tamworth, in addition to the London Road Community Hospital in Derby.
- **Team:**

6 Paediatric Emergency Medicine Consultants, 3 Emergency Medicine Consultants with Paediatric subspecialty accreditation, 0.2 WTE Associate Specialist providing senior support until 23:00

3.4 WTE Emergency Nurse Practitioners ENP (minor injuries) - 1 shift 10.00-23.00

4 WTE Advanced Clinical Practitioners ACP (at commencement of this post) and 1 trainee ACP’s – 2 shifts 09.30-20.00 and 14.00-00.00

Junior tier 1 medical staff on 3 shifts and 1 night shift – FY2, ST1-3 paediatrics, Emergency Medicine CT3s and GPVTS rotating to provide dedicated medical cover, although supporting the paediatric wards in addition overnight

Paediatric registrars from ST4-8 provide occasional day support for CED, with x 2 registrars on overnight covering CED, PHDU, paediatric wards and NICU

The nursing staff Band 5-7’s are all paediatric nurses and are APLS trained, providing excellent support, and in turn are supported by Band 2-4 HCA’s

- **Supervisor(s):**

Dr Julia Surridge – Assistant Clinical Director for CED, PEM Consultant

Dr Gisela Robinson – Clinical Director for Paediatrics for UHDB (University Hospitals of Derby and Burton), PEM Consultant

Additional support from 4 PEM Consultants (Dr Ian Lewins, Dr Julie Mott, Dr Simon Li, Dr Catherine Hearnshaw (post commencing Sept 2019), and Consultants in EM with Paediatric subspecialty (Dr Susie Hewitt, Dr Vicki Mottram, Dr Graham Johnson)

**Clinical Training Responsibilities:**

- Hot clinic (CED review clinic) - max 4 per week split between the PEM grid trainee and PEM Consultants depending on service availability
- Lead the management of acutely ill and injured children
- Provide support for junior paediatric medical staff and nurse practitioners
- Support the RCEM Quality Indicators appropriate to CED
- Attendance at specialist clinics during surgical attachment
- Support the active research programmes with PERUKI and RCEM
- Support the active simulation programmes
Attain competencies for paediatric emergency medicine

**Workload/Rota Arrangements/Example Timetable:**

Weekend, evening and night time out of hours cover is in general paediatrics including CED on a rota with other ST4-8 registrars, x 2 education fellows and x 1 grid Paediatric Clinical Pharmacology trainee. X 2 registrars on overnight covering all of the clinical areas (CED, paediatric wards, paediatric HDU and NICU) between them. Neonatal week day and evening cover is provided separately. There will be the opportunity, as the trainee progresses, to provide senior CED cover, with additional Consultant support. Consultant support is present until 23.00 each day within CED, and by General Paediatric Consultants on-call outside if this time. Adult ED Consultant support is available until 02.00 for any trauma

**Non-Clinical Training Responsibilities (expectations of research/audit/teaching):**

- Weekly Clinical meeting and Journal club: rolling rota for all junior medical staff to present
- Monthly Critically Careful meetings within CED – learning from cases and learning from good practice with review of monthly data
- Regular unannounced simulation sessions – support in planning and leading for the department, and for other clinical areas within the Children’s Hospital with all multidisciplinary staff
- Research: PERUKI accredited site, multicentre MCRN trials ongoing with opportunities to take part in in-house projects
- Audit: RCEM annual audits (eg. Fever, pain in children), RCPCH audits
- Expectation to develop and present Quality Improvement projects with support from appropriate departments and managers
- Development and review of policies and guidelines and encouraged to attend and present at National Educational meetings, including RCPCH and RCEM
- Newly set up PEM training days for regional trainees and ACP’s – planning and arranging these days

**Further Training Opportunities:**

- Monthly Friday Clinical X-ray meeting, quarterly PICU liaison meeting, quarterly morbidity and mortality meetings
- Bi-monthly Child Protection Peer Review sessions to present and learn from cases
- Involvement in Major Incident planning and exercises
Any further Information:

Specialist referral centres:

Queen's Medical Centre, Nottingham for all tertiary paediatric specialties except cardiology

Glenfield Hospital, Leicester for paediatric cardiology and cardiothoracics

Contact details for Unit:

<table>
<thead>
<tr>
<th>Telephone:</th>
<th>Dr Julia Surridge or Dr Gisela Robinson</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-mail:</td>
<td><a href="mailto:Julia.surridge1@nhs.net">Julia.surridge1@nhs.net</a>, <a href="mailto:Gisela.robinson@nhs.net">Gisela.robinson@nhs.net</a></td>
</tr>
</tbody>
</table>

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties)
# East Midlands North (Nottingham)

<table>
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<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Guaranteed (Y/N)</th>
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</thead>
<tbody>
<tr>
<td>Nottingham Children's Hospital, QMC</td>
<td>Paediatric Emergency Medicine</td>
<td>12</td>
<td>Dr Lynda Walton <a href="mailto:Lynda.walton@nuh.nhs.uk">Lynda.walton@nuh.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Nottingham Children's Hospital, QMC</td>
<td>Paediatric Intensive Care</td>
<td>6</td>
<td>Dr Patrick Davies <a href="mailto:Patrick.davies@nuh.nhs.uk">Patrick.davies@nuh.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Nottingham Children’s Hospital, QMC</td>
<td>Paediatric Surgery</td>
<td>3</td>
<td>Mr Brian Davies <a href="mailto:Brian.davies@nuh.nhs.uk">Brian.davies@nuh.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Nottingham Children’s Hospital, QMC</td>
<td>Paediatric Orthopaedics</td>
<td>3</td>
<td>Mr James Hunter <a href="mailto:James.hunter@nuh.nhs.uk">James.hunter@nuh.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Additional Information:**
Please contact Dr Lynda Walton, Consultant in Paediatric Emergency Medicine, for further information [Lynda.walton@nuh.nhs.uk](mailto:Lynda.walton@nuh.nhs.uk)
Sub-specialty: Paediatric Emergency Medicine

Base Unit: Nottingham University Hospitals NHS Trust, Queens Medical Centre Campus

Deaneries involved: East Midlands: North. Nottingham

Outline of Programme:

A comprehensive training programme based in the Paediatric Emergency Department, which is part of one of the busiest Emergency Departments in the UK, and the East Midlands Major Trauma Centre for adults and children. The programme consists of 12 months in the Paediatric Emergency Department, 6 months in the Paediatric Intensive Care Unit and 6 months of paediatric surgical subspecialty training including general paediatric surgery, orthopaedics, ENT, ophthalmology, burns, plastics and major trauma.

Departmental Information:

- Demographics:

The separate paediatric department sees approximately 45,000 children and young people each year, with an approximately 40:60 split between trauma and medical presentations, including being the Paediatric Major Trauma Centre for the East Midlands. All children requiring emergency care, including primary care referrals, present to the department and are seen in specific illness and injury areas. The department is committed to research and education, with an active departmental group (DREEAM - Department of Research & Education for Emergency & Acute Medicine) which is staffed by full-time research and education nurses, and other staff, and in which all staff in the department are involved. The department is an active member of PERUKI (Paediatric Emergency Research UK & Ireland) and is also at the forefront of service improvement as part of a whole hospital change programme.

- Team:

The department is covered by a combination of Paediatric Emergency Medicine (PEM) Consultants and Adult Emergency Medicine Consultants, a number of whom (6) have paediatric subspeciality training and some of whom work predominantly on the paediatric side of the department. The nursing staff are all paediatric and APLS trained. In addition, there are Emergency Nurse Practitioners (ENPs) who see minor injury patients, plus four Paediatric Advanced Nurse Practitioners (PANPs) who see both illness and injury patients, with more in training. There is a dedicated junior doctor rota composed of paediatric, emergency medicine and GP trainees, with Registrar cover for the department provided by a combination of PEM grid post trainees, general adult ED trainees and adult ED trainees undertaking their subspecialty training year in paediatric emergency medicine. The department is closely linked to the adult side of the department and Nottingham Children's Hospital. The mixture of Consultant and Registrar cover from both brings a wealth of knowledge and training opportunities.

- Supervisors:

Dr Lynda Walton - Consultant in Paediatric Emergency Medicine

Dr Colin Gilhooley - Consultant in Paediatric Emergency Medicine
Clinical Training Responsibilities:

Clinical duties include taking a lead role in the management of acutely ill and injured patients both in the main department and in the resus area, including leading resuscitation and trauma teams, as well as leading and managing the overall clinical shop floor. Also, to provide support and teaching to junior medical staff, nursing staff, ENPs and PANPs and to liaise and work with speciality colleagues from a variety of surgical and medical disciplines. It is expected that during this training post, all competencies required as part of the curriculum for paediatric emergency medicine training will be achieved.

Workload/Rota Arrangements/Example Timetable:

The rota is full shift in ED and PICU, with out of hours work in the Paediatric Emergency Department whilst undertaking the paediatric surgical specialities post.

Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

It is expected that the trainee will take part in RCEM and/or RCPCH audits, a quality improvement project, review and develop guidelines, teach junior doctors, nurses, ENPs & PANPs, including leading departmental and major trauma simulations. There is also the opportunity to be actively involved in research via MCRN trials and PERUKI projects that the department undertakes.

Further Training Opportunities:

Clinics - rapid access paediatric clinic and other allied speciality clinics; Paediatric and Emergency Department teaching; Anaesthetic training; Safeguarding and unexpected child death/rapid response procedures; Major Trauma.

Any further Information:

Specialist referral centres: Leicester Glenfield, Birmingham Children's Hospital.

Contact details for Unit:

<table>
<thead>
<tr>
<th>Telephone:</th>
<th>Dr Lynda Walton – 0115 9249924 ext 61151 (Sec) or mobile via switchboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-mail:</td>
<td><a href="mailto:lynda.walton@nuh.nhs.uk">lynda.walton@nuh.nhs.uk</a></td>
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</table>

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties
# East Midlands South (Leicester)

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<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
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<th>Guaranteed (Y/N)</th>
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<tbody>
<tr>
<td>University Hospitals of Leicester</td>
<td>Paediatric Emergency Medicine</td>
<td>12</td>
<td>David Sinton [<a href="mailto:David.sinton@uhl-tr.nhs.uk">David.sinton@uhl-tr.nhs.uk</a>]</td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>University Hospitals of Leicester</td>
<td>PICU / Anaesthesia</td>
<td>6</td>
<td>David Sinton [<a href="mailto:David.sinton@uhl-tr.nhs.uk">David.sinton@uhl-tr.nhs.uk</a>]</td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>University Hospitals of Leicester</td>
<td>Surgery, surgical sub-specialities and orthopaedics</td>
<td>6</td>
<td>David Sinton [<a href="mailto:David.sinton@uhl-tr.nhs.uk">David.sinton@uhl-tr.nhs.uk</a>]</td>
<td>C</td>
<td>Y</td>
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**Additional Information:**
This is a 2 year Paediatric Emergency medicine grid programme. It comprises 12 months PEM, 6 months Childrens intensive care (including anaesthetic experience) and 6 months doing orthopaedic and surgical secondments.
Sub-specialty: Paediatric Emergency Medicine

Base Unit: University Hospitals of Leicester

Deaneries involved: East Midlands

Programme Description

Subspecialty: Paediatric Emergency Medicine
Base Unit: Leicester Royal Infirmary, University Hospitals of Leicester NHS Trust
Deaneries involved: East Midlands South

Outline of Programme

The training programme at Leicester is 24 months’ duration and includes:
- 12 months in our dedicated Paediatric Emergency Department
- 6 months of PICU / anaesthesia
- 6 months of self-directed study in surgery, surgical sub-specialities and orthopaedics

Departmental Information

- Demographics

The Leicester Royal Infirmary opened a new state-of-the-art dedicated Paediatric Emergency Department in 2017. In the past year the team have seen over 59,000 new paediatric patients present making us one of the busiest centres in the country. The paediatric ED and Childrens Short Stay Unit operates 24/7 and is situated adjacent to the adult ED which opened state of the art facilities at the same time. In July 2018 we integrated our paediatric streams to a ‘single front door’ with the childrens’ ED being the point of access for all paediatric patients to the hospital. This has brought a further increase in attendances but also a closer and more collaborative working relationship between the emergency, paediatric and paediatric surgical teams. The Children's Hospital offers general paediatrics and many paediatric sub-specialities including surgery, anaesthesia, orthopaedics, radiology, respiratory medicine, neurology, endocrine, haematology, gastroenterology and oncology. There is a PICU on site, and a second cardiac and ECMO PICU in the city at the Glenfield Hospital.

Leicester is a Trauma Unit with the nearest Major Trauma Centre at Nottingham. Due to the nature of paediatric trauma and being a city centre ED our team continues to see a number of significantly injured walk in patients. The city is multi-cultural with a varied socio-economic profile.

- Team

14 consultants are sub-speciality trained in PEM, 8 from a paediatric background and 6 from an EM background, with cross-cover of Paediatric ED by all ED consultants. The EM registrars cross-cover Paediatric ED and there up to 6 registrars at any time sub-speciality training in PEM, both paediatric and EM trainees. There are 4 Paediatric Nurse Practitioners and 2 in training. There are 25 WTE children's trained nurses, with a growing team of HCAs and Play Specialists.
Leicester is home of the award winning and nationally recognised East Midlands Emergency Education (EM3) team with staff undertaking full time education roles to support the development of trainees in both EM and PEM. In addition there is a host of online learning resources available which are free to access at [www.em3.org.uk](http://www.em3.org.uk)
The 2017-2018 and 2018-2019 GMC surveys saw us rated as the second best PEM training site in relation to overall trainee satisfaction scores. In addition we were rated first in the areas of for supportive environment, local teaching, induction and rota design (supporting educational opportunities.) As a team we recognise and value the contributions of our trainees and make every effort to tailor training specific to them. We have a successful record with all of our trainees from the past 5 years progressing directly onto PEM consultant posts on completion of grid training.

- **Supervisor(s)**

Dr Samantha Jones, Consultant in Paediatric Emergency Medicine  
Dr Ffion Davies, Consultant in Emergency Medicine  
Dr Gareth Lewis, Consultant in Paediatric Emergency Medicine  
Dr Rachel Rowlands, Consultant in Paediatric Emergency Medicine  
Dr Damian Roland, Consultant in Paediatric Emergency Medicine  
Dr David Sinton, Consultant in Paediatric Emergency Medicine  
Dr Amy Atkinson, Consultant in Paediatric Emergency Medicine  
Dr Habab Mekki, Consultant in Paediatric Emergency Medicine

**Clinical Training Responsibilities**

Grid trainees participate in the PEM rota, which is shared with EM PEM sub-speciality trainees, and EM ST4 and ST6 trainees. The rota is staffed 24/7.

Shop floor consultant cover is provided from 08.00 until 01.00 seven days per week. Most training is on site at LRI but sessions with EMAS (ambulance service), the regional burns centre and to the Major Trauma Centre can be organised.

**Workload / Rota Arrangements / Example Timetable**

**Timetable for ED:** Full shift cover for paediatric ED daily, remunerated at premium for out of hours cover with 1:3 weekends.

**Timetable for CICU / anaesthesia:** Based on the Children's Intensive Care Unit at LRI full shift rota. The timetable allows for specific supervised anaesthetic sessions to allow trainees to become proficient in airway management in children of a variety of ages. There is structure teaching and exposure to vascular guided central access.

**Timetable for trauma & orthopaedics / surgery & sub-specialities:** Surgical competencies are acquired in hours as a supernumerary doctor, out of hours responsibility for PEM with an expectation to focus on injuries rather than illness. The in hours time is tailored to meet the needs of the individual trainee and is guided by collaboration with the educational supervisor to ensure not only competencies are met but that the trainee builds a wealth of experience and strong supporting curriculum vitae.

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

The post holder will be taught the principals of adult education and teaching techniques during the protected teaching time. They will be involved in the teaching of medical students, SHO’s and nursing staff. The post holder will assist in departmental audit projects. There is an active research programme in the department, led by Professor Timothy Coats and Dr Damian Roland. There is protected administrative and project time each week. Management experience is encouraged, such as complaints, incidents and quality improvement projects.

We have an active simulation and skills teaching programme which trainees are encouraged to become involved with, aligned to this we host Paediatric Emergency Simulation Training MDT days three times per year.
Further training opportunities

Eye casualty
Trauma review clinic (3 times per week). Also experience available at speciality clinics, e.g. fracture clinic, paediatric orthopaedic clinic, dermatology clinics etc. Procedural sedation and ultrasound competencies are fully supported and readily available through the normal working week.

Contact details for unit:

Dr Rachel Rowlands, Head of Service, Children's ED 0116 258 5812
Rachel.rowlands@uhl-tr.nhs.uk

Dr David Sinton, PEM Recruitment / Fellowship Lead
David.sinton@uhl-tr.nhs.uk

Curriculum
Each subspecialty grid programme covers the RCPCH curriculum as specified on the RCPCH website
# East of England

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C) or Optional (O)</th>
<th>Availability (Y/N)</th>
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</thead>
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<tr>
<td>Addenbrookes Cambridge University Hospital NHS Trust</td>
<td>PEM</td>
<td>12</td>
<td><a href="mailto:Peter.heinz@addenbrookes.nhs.uk">Peter.heinz@addenbrookes.nhs.uk</a>&lt;br&gt;<a href="mailto:Helen.bailie@addenbrookes.nhs.uk">Helen.bailie@addenbrookes.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Addenbrookes Cambridge University Hospital NHS Trust</td>
<td>PICU</td>
<td>6</td>
<td><a href="mailto:Shruti.agrawal@addenbrookes.nhs.uk">Shruti.agrawal@addenbrookes.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Addenbrookes Cambridge University Hospital NHS Trust</td>
<td>Surgical</td>
<td>3</td>
<td><a href="mailto:Kuldeep.stohr@addenbrookes.nhs.uk">Kuldeep.stohr@addenbrookes.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Addenbrookes Cambridge University Hospital NHS Trust</td>
<td>Orthopaedic</td>
<td>3</td>
<td><a href="mailto:Claire.jackson@addenbrookes.nhs.uk">Claire.jackson@addenbrookes.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
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</table>

**Additional Information:**
The trainee will be posted in PEM for the first year. Second year will include PICU and the Surgical components – 3 months Ortho and 3 months Surgery with OOH in ED. The timing of the PICU placement will be determined by the needs of either the training programme or the trainee.

The GRID training programme is 2 years, so they can do it at ST6 or ST7. Some trainees may not need the final 3rd year. If they come as ST6, they will be posted in their final 3rd year in an acute / busy unit, such as a large DGH offering appropriate training (e.g., NNUH, Watford or Lister Stevenage). Again, post allocation will be determined by the needs of either the training programme or the trainee.
Paediatric Emergency Medicine Programme Description 2020

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>Paediatric emergency medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Unit:</td>
<td>Addenbrookes, Cambridge University Hospital NHS Trust</td>
</tr>
<tr>
<td>Deaneries involved:</td>
<td>East of England</td>
</tr>
</tbody>
</table>

Outline of Programme

This post is suitable for Specialist Trainees who have completed level 2 training who wish to specialise in Paediatric Emergency Medicine. The training programme in Cambridge is 24 months’ duration. Trainees spend 12 months in our Paediatric Emergency Department, which is alongside the adult emergency department. There is also 6 months working on PICU, and 6 months of secondment time in paediatric surgery and paediatric orthopaedics enabling the trainee to acquire the competencies set out in the RCPCH Subspecialty Competency document.

The Post

Emergency Dept: The trainee will have excellent opportunities to gain experience in our paediatric emergency department which sees approximately 24,000 children / year and is the major trauma centre for East of England. They will gain experience in a wide variety of paediatric presentations. They will coordinate the initial management and treatment of all paediatric patients and supervise their appropriate discharge or referral. Addenbrookes is a tertiary referral centre for paediatric neurology, neurosurgery, gastroenterology, allergy, respiratory, endocrine, orthopaedics, gynaecology and paediatric surgery including urology so acute presentations for all these subspecialties, in addition to medical patients, will be seen in the ED as this is our single point of entry for all patients, except oncology. Trainees will also learn the clinical skills and investigations to manage paediatric trauma patients both minor and major. The Paediatric Trauma Unit is collocated in the Resuscitation Unit of the Major Trauma Centre where PEM trainees will also have an opportunity to participate in the management of adult trauma patients to supplement their learning of the less common paediatric trauma presentation. All trauma management is carried out under the supervision of an Emergency Medicine Consultant. There will be opportunities to attend rapid referral clinics in addition to the ED work. The trainee will be given management and administrative experience whilst in the dept.

Surgery and Orthopaedics: This period of the two year post will be on a supernummary secondment basis. The trainee will be able to attend clinics, ward rounds and operating sessions for any surgical speciality, to gain appropriate competencies. The paediatric surgical team provides services for thoracic, general, urology and oncological surgery. In addition they provide a line access service so the trainee would be able to gain competencies in PICC line placement. There will also be opportunities to gain experience in paediatric gynaecology, maxillofacial, ophthalmology, plastics, ENT and neurosurgery. The paediatric orthopaedic service provides a tertiary service within the East of England for bone and joint infections. They also care for the paediatric major trauma patients transferred to Addenbrookes as part of the major trauma network agreement. In addition to the acute work they provide a regional tertiary service for elective orthopaedic procedures such as femoral osteotomies and spinal surgery etc. During the six month secondment period out of hours work will be based in the emergency department.
PICU: The trainee will be part of the PICU team and rota and will participate in all departmental training and clinical work in the department. During the six months of Paediatric Intensive Care the trainee will also have exposure to Paediatric Anaesthesia

**Departmental Information**

- Demographics
  
  Emergency Department:

  We work in an emergency department that sees over 100,000 patients a year (22-23% of which are under 16 years of age). Any patient requiring assessment as an emergency will come via the ED. We work alongside the on call physicians, surgeons and paediatricians sharing the workload. The Paediatric Emergency Department is open 24 hours/day and staffed by Paediatric Nurses throughout. There is an Emergency Medicine Consultant present in the Emergency Department from 0800h to 0200h every day and available for consultation and to attend as required 24 hours/day. We do not distinguish between the GP referred patient or the patient who self presents. As soon as a doctor is free they see the next appropriate patient, no matter the referral route.

  The department is supported by rapid turnaround times for pathology and radiology. We work particularly closely with our ten Acute Paediatricians. They will provide onsite senior paediatric supervision until 2200. In addition to this there is a paediatric SpR allocated to the paediatric ED between 1630-2100 daily to see GP referrals and ED medical cases requiring paediatric review or admission. At the weekend they are present between 1600-2300. Overnight the paediatric SpR and paediatric surgical SpR are on call for referrals as necessary. There is also 24 hour support of all other sub specialties to paediatrics including CAMH.

  The staff within the department have direct access to a range of radiological services including CT Scanning, nuclear medicine and ultrasound. The department has developed ultrasound facilities for ED medical staff. Open access is also available for patients requiring appointments in ophthalmology, ENT, maxillo-facial surgery, orthopaedic surgery and neurology.

  From 1st April 2012 Addenbrooke's was designated the Trauma centre for the East of England region. The ED has expanded and renovated to support the increasing numbers of major trauma patients. Six new consultants were recruited to provide extended presence in the ED and to lead the Trauma Teams 24/7. Consultants are present at the shop-floor from 0800 till 0200 seven days a week and on-call for the remaining 6 hours of the night.

  Since April 2012 Addenbrooke's has been operating as the Major Trauma centre in the East of England and covers 11 hospitals around the region. The MTC is expected to see all patients with ISS>16. Primary transfers are done for all injured patients within 45 minutes from the MTC and secondary transfers to the MTC from the remaining units. The EM consultants lead the Trauma Team 24/7 and all MTC patients are seen by the Trauma team which consists of all relevant specialty medical (middle-grade doctors in Anaesthesia, NCCU, T+O, Surgery and the other smaller specialties as needed).
The paediatric intensive care unit (PICU/HDU) has 13 beds, 10 of which are staffed as ICU beds. The unit at Addenbrookes is approved by PICM ISAC, and has approval for PICM grid training. There are approximately 3,000 paediatric admissions each year in total including 600+ to the PICU/HDU. Total admissions have increased steadily from 170 in 1993 to 612 in 2011/12, and a large geographic area from Kettering to Great Yarmouth, and King’s Lynn to Colchester (approximately 1½ - 2 hour’s drive in each direction) is covered; it’s the only paediatric intensive care unit in the region. Currently, the paediatric retrieval service is provided by the Children’s Acute Transport Service (CATS).

Apart from fulfilling the regional demand for PICU beds, the PICU also works closely with the paediatric emergency department and all the paediatric sub-specialities within Addenbrookes Hospital. It’s the tertiary referral centre for paediatric neurosciences, paediatric trauma and paediatric haemato-oncology. In addition to patients with medical conditions, surgical care for children with complex neonatal problems, neurosurgical, E.N.T, general and spinal surgery is provided. Although there is no cardiac surgery or ECMO at Addenbrooke’s, all other forms of cardiovascular, respiratory and renal support are undertaken on the PICU, including high frequency ventilation, nitric oxide, haemofiltration and intracranial pressure monitoring. To gain experience in paediatric cardiology trainees will be expected to attend the tertiary clinics held monthly in conjunction with GOSH. There are also weekly clinics run by the paediatricians with an interest in paediatric cardiology with many years of experience.

- **Team**
The ED has 20 consultants, 30 full-time doctors in training, 13 ENPs and just under 100 nurses and 2 ACPs.

  - **Trained Paediatric Nurses** 16.25 WTE
  - 10 Acute paediatricians

  PICU is supervised by 7 consultants and there are at least 8 trainees ST4 and above on the rota.

- **Supervisor(s)**
  Dr Peter Heinz, Dr Helen Bailie

**Clinical Training Responsibilities**

**Workload / Rota Arrangements / Example Timetable**

During the PEM year the trainee will work with core ED trainees on their paediatric ED placement and an ED trainee completing their training for dual accreditation in PEM. The two senior trainees will work three different shifts; 0800-1700, 1100-2000 and 1500-2400. There will be on average 4.5, 9 hour shifts per week resulting in a 40.5 hour week. There are no night shifts on the rota. An example of how the rota may work is shown below.

Both annual leave and study leave will be agreed with the trainees educational supervisor. The 0800 start times will allow the trainee to be allocated to the trauma team for the day and hence increase exposure to trauma by participating in adult cases. Where possible a core ED trainee will be on the rota with a senior PEM doctor.
<table>
<thead>
<tr>
<th>Day</th>
<th>Doctor 1</th>
<th>Doctor 2</th>
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<tbody>
<tr>
<td>Monday</td>
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<td>1100-2000</td>
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<tr>
<td>Friday</td>
<td>OFF</td>
<td>1100-2000</td>
</tr>
</tbody>
</table>

During the 6 month secondment time the trainee will have a weekend commitment to the ED rota but the times will allow maximum time during the day to be a part of the secondment team.

During the PICU placement the trainee will join the PICU registrar rota and all their on call commitments will be based in PICU. The junior doctors rota is staffed by 5 paediatric registrars and 3 clinical fellows. They follow a rolling rota of 1:8. The days are either 0900-1700, 0900-2200 or nights of 2100-1000. The rota is currently undergoing review. The care for critically ill children is supported by an excellent nursing team under the supervision of a team of 7 consultants.
Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The trainee will participate in the training and supervision of paediatric and ED SHOS, other members of staff and medical students as appropriate. This will involve both formal teaching sessions and informal clinical supervision. They will participate in audit and be encouraged to pursue one or more research projects and time will be allocated to research as appropriate. There will be opportunities to be involved in quality improvement projects. We are a PERUKI site with active involvement in research studies. We have a research nurse specialist to help facilitate the running of studies in the department. Trainees will be expected to be involved in recruitment to active studies during their time with us. There is a half day a month allocation within the rota to non clinical activities to facilitate trainees in increasing their research, teaching and managerial exposure.

As well as the teaching programmes within each rotation, the trainee will have the opportunity to attend the monthly regional senior paediatric trainee sessions, the relevant weekly ED trainee slots (2 hours every Thursday afternoon) and national GRID training days.

Further training opportunities

A comprehensive program of training in line with the current CSAC syllabus will be offered and the trainee will be expected to sign an educational agreement and maintain a personal portfolio. There is an excellent generic senior trainee monthly training day within East of England at which non-clinical items such as management, audit, counselling, presentation and communication skills are taught.

Contact details for unit

Dr Peter Heinz (peter.heinz@addenbrookes.nhs.uk)

Dr Helen Bailie (helen.bailie@addenbrookes.nhs.uk)

Curriculum: each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum
### KSS and Wessex

<table>
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<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Guaranteed (Y/N)</th>
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</thead>
<tbody>
<tr>
<td>Royal Alexandra Children's Hospital Brighton</td>
<td>PEM Paediatric Surgery Paediatric Orthopaedics</td>
<td>6</td>
<td>Dr Catherine Bevan <a href="mailto:catherine.bevan@bsuh.nhs.uk">catherine.bevan@bsuh.nhs.uk</a> Tel: 01273 696955</td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Children's Emergency Department</td>
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<tr>
<td>Southampton University Hospital Paediatric Intensive</td>
<td>PICU</td>
<td>6</td>
<td>Dr Iain Macintosh, Director of Paediatric Intensive Care <a href="mailto:iain.macintosh@uhs.nhs.uk">iain.macintosh@uhs.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Care Unit</td>
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<tr>
<td>Royal Alexandra Children's Hospital Brighton</td>
<td>PEM Paediatric Surgery Paediatric Orthopaedics</td>
<td>12</td>
<td>Dr Catherine Bevan <a href="mailto:catherine.bevan@bsuh.nhs.uk">catherine.bevan@bsuh.nhs.uk</a> Tel: 01273 696955</td>
<td>C</td>
<td>Y</td>
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<tr>
<td>Children's Emergency Department</td>
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</table>

**Additional Information:**
The 18 months in PEM at Brighton will be divided into two placement periods.

Initial 6 months at PEM Brighton followed by 6 months PICU in Southampton and then finishing with a final 12 months in PEM at Brighton.
Sub-specialty: Paediatric Emergency Medicine 2016 (Start Sept 2017)
Base Unit: Royal Alexandra Childrens Hospital Brighton
Deaneries involved: HE KSS and HE Wessex

Outline of Programme
The successful candidate will be provided with extensive training in Paediatric Emergency Medicine as per the RCPCH PEM training curriculum. The programme in summary is based primarily at the Children's Emergency Department (CED) 1 year plus total 3 months each in paediatric orthopaedics and surgery at the Royal Alexandra Children's Hospital (RACH) in Brighton with 6 month secondment in paediatric intensive care (PICU) at Southampton General Hospital and additional specialist training at RACH.

Departmental Information
- Demographics
  The Royal Alexandra Children's Hospital (RACH) cares for children up to the age of 19 yrs from Sussex covering a population of 460,000 for Paediatrics and 2.2 million for Paediatric Surgery. It is a purpose-built children's hospital located within the grounds of the Royal Sussex County Hospital, Brighton.
  RACH is equipped with a 26 bedded medical ward, surgical ward (12 beds), high-dependency unit (10 beds), general day care unit (10 bedded), respiratory day care unit, oncology day care unit (6 bedded), and out-patient clinics and a dedicated Children's Emergency Department (26,000 per year)
- Team
  The department is staffed by a dedicated separate tier of 8 consultants present in the department 0900-2400h and on call after 2400h. There is also a team of five paediatric emergency nurse practitioners including a nurse consultant with cover until 2200hrs.
- Supervisor(s)
  Dr Catherine Bevan
  Lead Consultant Children's Emergency Department

Clinical Training Responsibilities
The CED at RACH provides an extensive opportunity for training under consultant supervision. The department sees 26,000 patients per year - all acute GP referrals and blue light ambulances cases.

The CED has a busy 3 bedded resuscitation area providing training in team-leading & acute resuscitations. PEM trainees will have the opportunity to spend time in theatres, gaining experience in basic and advanced airway.

An onsite 10 bed HDU with dedicated consultant supervision provides further airway training in children on long term home ventilation, with tracheostomies and in stabilisation of patients prior to transfer to PICU. There is considerable opportunity to gain experience with the use of non-invasive ventilation support including Optiflow- CPAP and BIPAP.
Paediatric Emergency Medicine Programme Description 2020

Specialist training

RACH has a number of specialised services as outlined below, all of which can provide training in the core competencies of PEM. The department is well supported with specialised paediatric services in surgery and orthopaedics, plastics, burns, ENT and ophthalmology with the on-site Sussex Eye Hospital.

Trauma - Training would be provided in all injury management including in acute relocation of the shoulder, elbow, knee and ankle under sedation and in ultrasound guided femoral nerve block placement. There are regular consultant and nurse practitioner led injury review clinics. BSUH adult ED is a designated level 1 trauma centre. All paediatric trauma attending BSUH which is likely major trauma is seen in the trauma centre and led by the paediatric team - and would facilitate PEMs trainees in trauma experience and in leading trauma calls.

Dr Miki Lazner is the lead for paediatric trauma in the KSS area and is involved with development of the paediatric Sussex trauma network and the development of paediatric trauma guidelines for the network.

Orthopaedics: There are two paediatric orthopaedic consultants who provide acute cover and outpatient follow up of paediatric orthopaedic patients. There are three half-day paediatric trauma lists per week and two paediatric fracture clinics. There are also daily ward rounds for all paediatric in patients.

Surgery: There are six dedicated consultant paediatric surgeons supported by seven consultants paediatric anaesthetists. Paediatric dentistry and oral surgery and ENT patients are also treated in the hospital and additional training within these areas would be provided. Neurosurgical (adult) services are shortly to be moved to the BSUH site as it is a designated level 1 trauma centre.

Plastic Surgery & Burns training: RACH has close links to the regional paediatric burns and plastics centre at QVH at East Grinstead. Patients are acutely reviewed by “Telemed” allowing for specialist consultation and planning at the time of the initial burn. Local paediatric plastics clinics are also run weekly. Facilities would be available to incorporate this into the PEM training.

Ophthalmology: The Sussex Eye hospital and Eye Emergency department are co-located on the BSUH site. PEM training would include specific sessions within these departments.

Gynae & Obstetrics: The adolescent gynaecology team and EPU (Early Pregnancy Unit) & specialised teenage pregnancy service run a drop in service and regular clinics.

Safeguarding: All planned child protection medicals are performed by a specific team of paediatric consultants within RACH. There is a weekly peer review discussion on all recent child protection cases including review of all images and weekly teaching. The safeguarding team includes a full time dedicated named consultant lead and a nurse consultant. There are opportunities for additional training for those with an interest in safeguarding.

Radiology: There is a team of four consultant paediatric radiologists. Excellent links with our local radiology service allows for real time reporting. There would training opportunities for any PEM trainee to observe and participate in hot reporting for additional training.
Paediatric Emergency Medicine Programme Description 2020

Workload / Rota Arrangements / Example Timetable

All rota are based on a ‘New Deal’ and EWTD-compliant full-shift pattern.

Out-of-hours -2 middle-grade paediatric doctors are resident out-of-hours at all times, one covering CED and a second covering in-patients and HDU. Consultant resident in CED until 0900-2400 with on call back up. Provisional Roster:

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Week-end(1:6)</th>
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<tbody>
<tr>
<td>Morning</td>
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<tr>
<td>0845 Handover CED</td>
<td>0845 Handover CED</td>
<td>0845 Handover CED</td>
<td>0830 Simulation Training</td>
<td>0845 SHO Teaching</td>
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<td>Lunchtime</td>
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<td>Child protection meeting</td>
<td>Grand Rounds</td>
<td>Infectious disease</td>
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<td>Afternoon</td>
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<tr>
<td>Clinical Work</td>
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</table>

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

There is an active research and audit ethos within the CED with many projects currently being undertaken with presentations at RCPCH spring meetings. The department recently received the “Rosette award” for quality and innovation for a research project. There is a monthly half-day departmental clinical governance meeting.

The department has an already established involvement in research (the lead consultant is on the executive committee of PERUKI) and is a member of PERUKI (Paediatric Emergency Research Network UK & Ireland), participating currently in several multicentre trials.

All successful participants would be encouraged and supported in undertaking a research, audit or quality improvement project and to contribute to the extensive local database of guidelines and parental information leaflets. RACH holds APLS twice a year allowing PEM trainees to complete APLS and to contribute to teaching.

There is a well-established programme of simulation teaching in the department and a new simulations lab.

Further training opportunities: see above in details of program

Contact details for unit

Dr Catherine Bevan, Lead Consultant Children's Emergency Department
Royal Alexandra Children’s Hospital, Brighton
Telephone: 01273 696955 E mail: catherine.bevan@bsuh.nhs.uk

Curriculum: Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum
Outline of Programme:

Paediatric Intensive Care is in a purpose-built unit delivering the whole spectrum of critical care. 14 Paediatric Intensive Care beds are fully operational. The unit admits 1000 children per year and provides PICU services for the Wessex Region and tertiary support services for Paediatric Cardiology, Neurology, Nephrology, Paediatric Surgery, ENT, Respiratory, ID, Oncology and Neurosurgery.

The unit has the facility to look after children requiring advanced respiratory support including inhaled nitric oxide, high frequency oscillation and ECMO. There is a fully operational transport team, the Southampton Oxford Retrieval Team (SORT) that provides a regional retrieval service for the joint Oxford/Southampton area.

Departmental Information:

Demographics:

The department covers the Wessex region and Thames Valley for cardiac cases and retrieval.

The Department is run by 10 PICU Consultants, some of whom work part time. Additional consultant input is provided by consultants from the sub-specialist teams. Middle grade cover is provided by 12 trainees who are from an anaesthetic or paediatric background. There are also 5 ST1-3s from paediatrics or emergency medicine. The junior doctors provide cover as part of the full shift system.

Team:

- Dr Iain Macintosh, Director of Paediatric Intensive Care
- Dr Peter Wilson
- Dr Kim Sykes
- Dr John Pappachan
- Dr Gareth Jones
- Dr Vanessa Stanley
- Dr Phil Hyde
- Dr Ananth Ramakrishnan
- Dr Andrew Baldock
- Dr Michael Griksaitis

Supervisor(s):

- Dr Phil Hyde
- Dr Iain Macintosh

Clinical Training Responsibilities:

The fellow will be directly responsible to the Consultants on the unit for all the immediate care for all admissions to the unit. Along with the rest of the team, they will be responsible for a number of patients and be involved in all aspects of their care ranging from admission, stabilisation and provision of ongoing care. Depending on the individuals
experience there will be varied opportunity to extend existing experience in practical procedures to include all those that would be associated with the critical care environment, including intubation, ventilation of older children and placement of central venous and arterial lines. The fellow is expected to develop the competencies needed to be able to undertake retrievals and full training for this is provided.

In addition, the Fellow will have the opportunity to be involved in various audit or research projects.

**Workload / Rota Arrangements / Example Timetable:**

1A with prospective cover. Annual and study leave incorporated into the rota. Trainees would form part of the registrar rota.

**Weekly Timetable**

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>08.30 - 09.30</td>
<td>Ward Round</td>
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<tr>
<td>11.00</td>
<td>CPG 1st Monday of the month</td>
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<td>Research Meeting (1st of month)</td>
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<td>13.00</td>
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<td>Morbidity &amp; Mortality Meeting</td>
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**Non-Clinical Training Responsibilities (expectations of research / audit / teaching):**

There are formal and informal training opportunities. There is a local induction programme followed by monthly study days that over 6 months will cover a large part of the PICU curriculum. Fellows will have educational supervision from one of the consultants and will have opportunities for feedback throughout their attachment.

In addition, as part of a large mixed general PICU, there is extensive educational opportunity within the Department. At any one time it is anticipated that there will be children on the unit who have complex congenital heart disease, sepsis, trauma, neurological, respiratory or general paediatric problems. During the six-month attachment ample opportunity exists for trainees in paediatrics to gain experience in the
full range of practical procedures of the initial management of children with life threatening conditions.

The work is Consultant led but fellows are still encouraged to make complex decisions in a closely supervised fashion.

They can consolidate their paediatric experience gained from their basic paediatric training. The environment is suitable to undertake audit projects and simple research projects in collaboration with the SHOs and Consultants.

**Further Training Opportunities:**

Part of the PEM training rotation.

**Contact Details for Unit:**

Dr Phil Hyde

**Curriculum:**

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties).
### London

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C) or Optional (O)</th>
<th>Availability (Y/N)</th>
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</thead>
<tbody>
<tr>
<td>Evelina Hospital</td>
<td>PEM</td>
<td>24</td>
<td>Dr Danielle Hall <a href="mailto:Danielle.Hall@gstt.nhs.uk">Danielle.Hall@gstt.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Chelsea and Westminster</td>
<td>PEM</td>
<td>24</td>
<td>Dr James Ross <a href="mailto:James.Ross@chelwest.nhs.uk">James.Ross@chelwest.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Additional Information:**
Rotations to start at Chelsea and Westminster or Evelina. Following the first post of 6-12 months duration, trainees will rotate to one of the other training units in London-Royal London Hospital and Homerton-Please note that this will depend on availability and individual training requirements.

The programme includes a 6 month PICU post at Evelina or St Mary's.

Job descriptions for all units available.
**Paediatric Emergency Medicine Programme Description 2020**

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>Paediatric Emergency Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Unit:</td>
<td>Evelina London, Guys and St Thomas NHS Foundation Trust</td>
</tr>
<tr>
<td>Deaneries involved:</td>
<td>London</td>
</tr>
</tbody>
</table>

**Outline of Programme**

**Paediatric Emergency Medicine**

**Departmental Information**

- **Demographics**
  This post provides National Grid training in Paediatric Emergency Medicine (PEM) in the South Thames Region. The Children’s Emergency Department at GSTT is functionally part of the Evelina London Children's Hospital which provides a wide range of general paediatric medical, surgical and specialist paediatric services to a wide inner city population. The department sees approximately 27,000 children <16yrs PA and is adjacent to the Evelina London Childrens Hospital and the main A&E department at St Thomas’ Hospital.

  The Children’s ED works very closely with the Evelina London Children’s Hospital together with its specialty services which include: General Paediatrics, Surgery, Regional PICU and emergency transport services, Cardiology, Renal, Neurology, Metabolic, Orthopaedics, ENT, Gastroenterology, Rheumatology and Allergy Services.

  Within the Children’s ED there is a Youth Worker Liaison Service, alcohol worker and Domestic Violence team.

  A co-located, 6 bedded Children’s Short Stay Unit (CSSU) forms part of the Children’s Emergency Department for short-stay paediatric emergencies (medical and surgical) for up to 24 hours. The unit is a hub for ambulatory, home care and short stay admissions and will provide a wealth of training opportunities for the candidate.

- **Team**
  Consultants within Paediatric EM: Dr John Criddle, Dr Nicola McDonald, Dr Martin Laque and Dr Ana Alcock. Consultants with PEM sessions: Dr Michelle Boyle, Dr Chris Jones, Dr Shalini Panchal and Dr Faheem Obaidullah. Supported by a tier of middle grade doctors from Paediatric or Adult ED background and a tier of 8 ST 2/3 level doctors.

- **Supervisor(s)**
  Dr John Criddle, Dr Nicola McDonald, Dr Martin Laque, Dr Ana Alcock

**Clinical Training Responsibilities**

This post will provide 12 months of paediatric emergency-based training. The post is approved for training by the Paediatric Emergency Medicine CSAC. The 12 months of PEM training will include paediatric surgery, plastic surgery and paediatric orthopaedics.
training provided in a modular fashion. Training will enable the post holder to acquire the competencies set out in the RCPCH Subspecialty Competency document.

The trainee will be supervised in seeing a wide range of undifferentiated ED attendances <16yrs and will work within the multi-disciplinary team to provide support and supervision and will play an active role in rescusitation cases. There is direct consultant supervision of care.

There are opportunities to attend paediatric emergency review clinics and relevant subspecialty clinics (Surgery, Orthopaedics, Fracture clinics, Plastics, Hand trauma clinic, General Paediatrics) and to liaise with other paediatric subspecialty teams as part of the multidisciplinary paediatric unit team. There is opportunity to shadow the on call surgical teams and attend theatre.

The trainee will attend psychosocial meetings and work with multidisciplinary agencies in acute Safeguarding childrens work. The team works closely with the local CAMHS team and therefore the trainee will gain significant exposure and training in management of these cases.

The trainee will be fully supported in achieving a wide range of work-placed based assessments.

**Workload / Rota Arrangements / Example Timetable**

The rota is currently band 1 A, EWTD Compliant with a team of 6 PEM registrars, working a mixture of daytime and evening shifts.

<table>
<thead>
<tr>
<th>Week 1</th>
<th>Week 2</th>
<th>Week 3</th>
<th>Week 4</th>
<th>Week 5</th>
<th>Week 6</th>
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<tbody>
<tr>
<td>Monday</td>
<td>Review clinic 0800-1700</td>
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<td>off</td>
<td>Grand round 1100-2100</td>
<td>Grand round SEC</td>
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<td>Review clinic 0800-1600</td>
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<td>off</td>
<td>Psychosocial meeting 1100-2100</td>
<td>Management meeting SEC</td>
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<tr>
<td>Wednesday</td>
<td>Teaching SEC</td>
<td>1100-1700</td>
<td>1700-0200</td>
<td>Teaching 0800-1600</td>
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<td>Thursday</td>
<td>Audit/research</td>
<td>1100-1700</td>
<td>1700-0200</td>
<td>Review clinic 0800-1600</td>
<td>SEC</td>
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<tr>
<td>Friday</td>
<td>xray meeting Audit/research</td>
<td>1100-1700</td>
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<td>Review clinic 0800-1600</td>
<td>xray meeting SEC</td>
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<tr>
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<td>Sunday</td>
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SEC = secondment time e.g. plastics clinic; fracture clinic; eye casualty; ENT; sexual health clinic; dental clinic; anaesthetic list etc: tailored towards trainee’s individual training needs

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

The department offers weekly, protected consultant led teaching sessions in Paediatric Emergency Medicine, including a monthly in situ simulation session in the Paediatric Emergency Department and weekly in situ mini sim. All doctors are actively involved in audit, research and departmental management and under- and post-graduate education. There is also the opportunity to be involved in guideline development and managerial tasks. The department is a PERUKI Research site and participates in a range of research studies. The trainee therefore has the opportunity to become involved in on-going research studies.

The Trust also has one of the largest simulation centres in the UK with dedicated paediatric courses.

**Further training opportunities**

The candidate will be fully supported in participating in appropriate study leave opportunities; regional PEM training days and in APLS / trauma courses. The candidate will be encouraged to develop their teaching skills with a view becoming instructors on advanced life support courses.

Extensive educational opportunities also exist within Evelina London and the wider hospital Trust.

**Contact details for unit**

Dr John Criddle (john.criddle@gstt.nhs.uk)

Dr Nicola McDonald (nicola.mcdonald@gstt.nhs.uk)

Dr Martin Laque (martin.laque@gstt.nhs.uk)

or telephone 0207 188 2155

**Curriculum**

Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: [http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum](http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum)
Paediatric Emergency Medicine Programme Description 2020

<table>
<thead>
<tr>
<th>Subspecialty:</th>
<th>Paediatric EM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Unit:</td>
<td>Chelsea and Westminster Hospital Foundation Trust</td>
</tr>
<tr>
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<td>London</td>
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</tbody>
</table>

Outline of Programme

Chelsea and Westminster is a busy teaching hospital in West London. The Paediatric Emergency Department sees around 37,000 children a year with a wide range conditions. The PED is supported by the Chelsea Children's Hospital (the paediatric services within Chelsea and Westminster) which includes the regional paediatric surgery and paediatric burns centre alongside paediatric orthopaedics, plastics, craniofacial and a number of medical specialities including gastroenterology and endocrinology.

The post itself is based in the PED (with no general paediatric component) and, at present, is part of a 1:5 rota with no overnight commitments. Frequent educational, or float, shifts provide ample opportunity to take advantage of both learning from the different clinical specialities outside PED and the non-clinical meeting and roles.

The mixture of different presentations, significant patient flow, a wide range of specialist teams and a high level of PEM consultant teaching means that the post provides excellent PEM training.

Departmental Information

- **Demographics**
  
  37,000 presentations a year

- **Team**
  
  5 PEM Consultants
  
  6 Acute Paediatric Consultants (based in PED overnight)
  
  5 Registrars
  
  12 ST1-3 (Including both EM and Paediatric Trainees)

- **Supervisor(s)**
  
  5

Clinical Training Responsibilities

Embedded into the rota are dedicated educational shifts to provide the time to achieve some of the RCPCH PEM competences best gained outside PED. While the use of this time can be adjusted to meet the learning needs of each trainee, it can include a secondment to the burns team, regular attendance at the paediatric fracture clinics, lists with the paediatric anaesthetists or working with the paediatric surgery team.

Teaching on the shop floor of PED is a key feature, and with 5 specialist PEM consultants and an additional group of 6 acute paediatric consultants covering night shifts, there is an excellent level of support and teaching around the clock. This also provides the opportunity to develop as team leader leading a resus.
Paediatric Emergency Medicine Programme Description 2020

Seeing unselected cases, and supervising juniors; means exposure the full range of paediatric presentations from minor trauma to cardiac arrest and from child protection assessments to the joint reductions.

**Workload / Rota Arrangements / Example Timetable**

The rota is a 5 person middle grade rota is made up of 3 paediatric trainees (including a PEM Grid trainee) and 2 senior clinical fellows working a 1:5 rolling rota with no night shifts.

Annual leave and study leave are not fixed (but may only be taken when doing an early or float shift).

*Hours = 45*

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<thead>
<tr>
<th>Week</th>
<th>Mon</th>
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<th>Thurs</th>
<th>Fri</th>
<th>Sat</th>
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<tbody>
<tr>
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<td>08-17:00</td>
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<td>08-17:00</td>
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</tbody>
</table>

*Float: 08:00-17:00*

For secondment activity, clinic attendance, audit etc.

A small number of float shifts will be backfilling colleagues on leave.

The workload is made up of leading the shift and seeing unselected cases. Leading the shift includes the supervision of junior doctors and managing patient flow through PED, alongside the nurse in charge.

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

The department is member of PERUKI (Paediatric Emergency Research in the UK and Ireland) and as such, involved in a number of multi-centre PED based research projects. There is an expectation that trainees will be involved in one of these studies, or develop local studies or quality improvement projects with a strong track record of presenting at national and international meetings.

There is a strong clinical governance framework providing the opportunity to be involved with audit, guideline development and take part in incident investigations.

Management roles include organising of rotas, planning of multidisciplinary teaching and taking a lead on quality improvement projects.

**Further training opportunities**
Paediatric Emergency Medicine Programme Description 2020

There is formal teaching once a week, with a half day meeting a month. This is in addition to the weekly paediatric teaching. There is a well-established simulation centre with a in situ simulation programme providing the opportunity to develop as a simulation facilitator.

Attending specialist inpatient team’s teaching or clinics, lists or ward rounds is encouraged and easy to arrange on educational days

Any further information

The PED underwent a complete rebuild in 2016-17, increasing capacity and providing an excellent clinical environment.

Contact details for unit

Service Director for PEM:

Charles Stewart
charles.stewart@chelwest.nhs.uk
0203 315 7193

PEM Training Lead:

James Ross
james.ross@chelwest.nhs.uk
0203 315 7193

Curriculum

Each subspecialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: http://www.rcpch.ac.uk/Training/Competency-Frameworks
Sub-specialty: Paediatric Emergency Medicine

Base Unit: Imperial College, St Mary's Hospital

Deaneries involved: London

Outline of Programme

The successful applicant will be part of the wider Paediatric Emergency Department Team, when based in ED. They will contribute to the General Paediatric On call rota and will be based in the Paediatric Emergency Department, but spend some time in the Paediatric Ambulatory Department / Integrated Care Team. Frequent educational shifts that allow for secondments and achievement of required PEM competencies are provided on a weekly basis.

Most trainees spend a year at St Mary's and six months of this is spent on PICU on the PICU rota. The PICU provides critical care for sick and injured children from the North West sector of London, and recieves transfers in from other regions for specialist care.

Departmental Information

- Demographics
  The Paediatric Emergency Department serves a highly varied population, with 60 first languages spoken in the local schools, with an extensive social economic range seen in the population. The paediatric department is part of Imperial College School of Medicine. There is a strong academic department and the Unit provides tertiary referral services for paediatric intensive care, infectious diseases, allergy, haematology, respiratory and nephrology, paediatric surgery.

  The Department is one of the four London Major Trauma Centres, seeing a significant number of penetrating and non penetrating injuries each year and PEM trainees form an integral part of the Trauma Team. Trauma is a Consultant delivered service, and trainees are fully supervised at all times 24 hours a day in trauma care.

- Team
  5.3 WTE Consultants, Dr Rebecca Salter as Head of Specialty
  10 ST3 + trainees from mixed Paediatric / Ed background
  ENP
  ANP
  band 5 /6/7 nurses
  Nurse Educator
  play specialist

- Supervisor(s)
  Consultant presence until 8 pm each day in Paeds Ed with AE Cons presence until midnight.
24 hour a day dedicated Trauma Consultant Team Leader - including PEM trained Consultants.

Teaching on the shop floor of PED is a key feature in any Ed but there are weekly General Paediatric and PEM teaching programmes for you to attend.

Clinical Training Responsibilities

Responsibilities will vary according to which part of the job is being undertaken. In Paediatric ED the successful applicant will have provide close clinical supervision in the department, have responsibility for flow of patients through the department, will be a member of the Paediatric Trauma Team and provide an important link for the multidisciplinary team of health visitors, social workers, therapists, nurses and other specialists. You will also work in the Paediatric CDU and be responsible for safe ambulatory care planning.

On PICU you are fully supported by a team of Consultants who operate a weekly on call model, allowing you to build strong team relationships. You are supported by a team of Senior Nurses and family liaison nurses. You will be have the opportunity to achieve all of the acute care and intensive care RCPCH PEM competencies along with airway skills.

Workload / Rota Arrangements / Example Timetable

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

There is a full postgraduate teaching programme. The candidate is expected to take part in undergraduate and postgraduate teaching for doctors and nurses. The candidate will be expected to conduct an audit/quality improvement project, produce Best evidence based topics, and to help with guideline production. Projects for research may be available depending on the trainee's needs.

Further training opportunities

The candidate will be taught to practice evidence based medicine and be active in undertaking audit and research projects. He/she will be encouraged to take APLS/EPLS, ATLS courses and/or instruct on them. The Trust runs APLS/ATLS three times a year. The candidate will be exposed to trauma care and will have the opportunity to attend trauma team leader/member simulation courses that are run in the Trust.

Embedded into the rota are dedicated educational shifts to provide the time to achieve some of the RCPCH PEM competences that may require clinic attendance/theatre time.

Any further information

Please Contact Dr Salter on 02033126979

Contact details for unit

Paediatric ED, St Mary's Hospital. Imperial College Healthcare NHS Trust, London W2 1NY

Curriculum

Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum
**Outline of Programme**

Grid trainees will participate in shifts in the Emergency Department, in patients and outpatient, general paediatric on-calls. They will be supervised by PEM and CEM trained consultants and be able to attend all the in house teaching and training opportunities as well as the regional training days.

**Departmental Information**

- **Demographics**
  The Royal London Hospital serves the local districts of Tower Hamlets, and to a lesser extent City & Hackney and Newham, in a high population density, inner city area, with poor socio-economic conditions and large immigrant groups. It is a designated major trauma centre (MTC) and base for the helicopter retrieval service (HEMS) for severely injured adults and children. The number of paediatric A&E attendances is over 38,000 new patient attendances per year. Total A&E attendances are in excess around 140,000. The paediatric A&E department operates 24 hours a day, 7 days per week, and is situated adjacent to the adult A&E department. It is separately staffed by 1 FY2, 7 ST3 trainees, 2 A+E SpRs, and 2 Paediatric A+E SpRs, 1.2 WTE Consultants, 24 WTE children’s trained nurses and a full time Play Specialist. There is an observation / ambulatory- Paediatric CDU ward run jointly by Paediatric A+E and the general paediatric service. There is a large in-patient secondary paediatric service, paediatric critical care and a paediatric oncology POSCU. Tertiary paediatric medical services include neonatal medicine and neonatal retrieval service, respiratory, allergy, neurology, haematology, gastroenterology, endocrinology, and dermatology. Surgical services include paediatric and neonatal surgery and trauma care, paediatric anaesthesia and paediatric pain team, paediatric orthopaedics, ENT, ophthalmology, dental, maxillofacial and plastics.

- **Team**
  Dr Ian Morrison, Dr Ami Parikh, Dr Simon Walsh, Dr Malik Ramadhan

- **Supervisor(s)**
  Dr Ian Morrison, Dr Ami Parikh

**Clinical Training Responsibilities**

A syllabus has been jointly drawn up between the RCPCH and the CEM, and is available from the Faculty of Accident and Emergency Medicine. Particular attention will be paid to trauma management and team leadership, critical care and resuscitation, procedural sedation, non-accidental injury, adolescent issues, and the management of an A&E department. The post holder will be 1 of 2 Paediatric SpRs in the department this allows for protected secondments, general paediatric & sub speciality exposure.
Workload / Rota Arrangements / Example Timetable

On 1:12 paediatric on call rota with nights and weekend duties. Also integral to the ED rota.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

A half day per week is provided for these activities. There is a constant cycle of departmental projects. Supervision will be given in research methodology, the writing of protocols, submission of an application to the Ethics Committee, project supervision, data collection, statistical analysis and submission of papers to peer review journals. There is access to a PC, the Internet, and a dedicated SpR office.

Further training opportunities

Emphasis on managing patient flow, interface with other specialities, recruitment, appraisal process, complaints, rotas, and opportunity to attend meetings with consultant.

Any further information

The principals of adult education and teaching techniques will be applied during the protected teaching time (5 hours per week for SHOs, 2 hours per week for SpRs). Teaching of medical students, SHOs and nursing staff. APLS and ATLS available. Regional paediatric A&E teaching programme run monthly and medical simulation are also available

Contact details for unit

Royal London Hospital, Barts Health, Whitechapel Rd, London E11BB

Curriculum

Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum
Outline of Programme

A comprehensive training programme based in a busy Paediatric Emergency Department in East London. An exciting opportunity to work in both Paediatric Emergency Medicine and Ambulatory Paediatrics for 6-12 months.

Departmental Information

- Demographics

Homerton University hospital is a Foundation Trust and teaching hospital in East London. The local population and areas served by Homerton are categorised by a striking diversity of needs. Hackney is one of the most urban and cosmopolitan areas in the country with high levels of poverty and deprivation. There are substantial immigrant and migrant populations. Hackney’s population at around 250,000 is young, mobile and expanding, and the birth rate is rising. This is reflected in the variety of paediatric conditions seen and the associated challenges of finding appropriate approaches to their management.

It is a Trauma Unit within the North East London trauma Network and as the rated as the first ‘Outstanding’ Emergency Department following our CQC inspection (2014).

The hospital is a development site for the Cerner Millennium Electronic Patient Record (EPR), which is used throughout the trust. All clinical documentation, prescriptions and nursing assessments/observations are electronically recorded. All requests for pathology and radiology are made electronically, with results for pathology and radiology reports available through EPR. The hospital has a fully integrated PACS radiology system and there are diagnostic quality PACS viewing stations throughout the department. All patients receive a discharge summary generated through EPR.

The Department

A dedicated Paediatric Emergency Medicine department (Children’s emergency assessment area, CEA), staffed by paediatric trained staff and operates 24 hours a day, 7 days a week. It is co-located next to adult A&E but with complete physical separation of the waiting and clinical areas. Over 28,000 children under 16 attend the department each year. Children are also seen by Nurse Practitioners and GPs in the on site primary urgent care centre. There are 4 Consultant review clinics per week and a weekly specialist hand and sports clinic.

The current clinical facilities comprise: Resuscitation room with five bays, one of which is dedicated to Paediatrics and a second is equipped to support children if required; a family room adjacent to Resus; Minor Injuries Unit and Plaster room. There are fixed and portable computer stations with full EPR access; a diagnostic quality PACS viewing station and ultrasound machine. The department is equipped with near patient testing laboratory.
Paediatric Emergency Medicine Programme Description 2020

(FBC and Blood gas analyser). The department has 24 hour access to C.T. scanning and all normal laboratory facilities. MRI scanning is also available.

Starlight ward consists of a 24 hour children’s unit and short stay observation unit (18 beds including 4 cubicles). Paediatric medical and surgical day care patients also attend the ward.

There are out-patient clinics (including a daily general paediatric clinic and a range of specialist paediatric clinics e.g. allergy, gastroenterology, respiratory, neurology, dermatology, paediatric surgery, ophthalmology and ENT). There is a daily consultant led GP rapid referral clinic and GP advisory hotline.

The hospital paediatric team with local community children’s nursing support also provides hospital -at -home services to further strengthen the philosophy of ambulatory care.

- **Team**
  CEA has a dedicated Consultant in PEM (Dr Meena Patel) and EM consultant with a special interest in Paediatrics (Dr Ni- Longain). There is shop floor consultant cover for ED till 10pm and Paediatrics till 7pm on weekdays.

  The department is supported by 10 Consultants in EM (8.8WTE) and 8 Consultants in Paediatrics (6.8WTE).

  The day to day service commitment is provided by a team of paediatric nurses and junior and middle grade paediatric and emergency medicine doctors.

  CEA have 13.0 wte nursing staff, all paediatric-trained, and many dual trained in ED.

- **Supervisor(s)**
  Dr Meena Patel

**Clinical Training Responsibilities**

Paediatric Emergency Medicine

- Taking a lead role in the management of children seen in CEA.
- The assessment, resuscitation, and stabilisation of seriously ill and injured patients, including referral of patients requiring transfer to trauma centres & PICU.
- Attend A&E review clinic/ hand clinic.
- Support the CEM Quality Indicators appropriate to CEA.
- Provide support & teaching for junior paediatric medical staff and nurse practitioners.
- Attendance to monthly PEM regional training days/ annual PEM national meeting.
- Attain competencies towards paediatric emergency medicine curriculum.
Paediatrics/ Ambulatory Medicine

• Participation in paediatric handover and support ward rounds on Starlight/ Short stay unit.
• Out of hours- supporting General Paediatric services
• Attendances at outpatients, GP Rapid Referral and A&E Review Clinics
• Involvement in Paediatric multi-disciplinary teams and meetings eg.Pyschosocial, M&M
• Child protection training opportunites
• Developing intregated pathways with primary care

Opportunity for protected secondments to allow attainment of curriculum competencies- eg. elective surgical day lists, anaesthetic lists; surgical/ max fax/ ophthalmology OPD. Note some secondments may involve attending clinics at other sites eg. Royal London- Orthopaedics.

**Workload / Rota Arrangements / Example Timetable**

Day time duties will involve PEM/ ambulatory medicine. Out of hours will cover general paediatrics 1 in 7.

Shifts include short days (09:00-17:00); Long (9:00-20:00); twilight (16:00-23:00); nights (21:00-09:00)

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

• Active involvement in audit and the development of departmental services and strategies.
• Participation in teaching and training for junior doctors, including involvement in their educational assessments, and education of other health care professionals.
• Management opportunities will be adapted to the trainees needs eg. mentor scheme, leadership training; attending governance meetings.
• The Trust has an excellent and active purpose built Medical Education Centre, which houses a comprehensive library of periodicals and reference material, with facilities for on-line retrieval of research literature, on-line exam revision, and e-learning.

**Further training opportunities**

Homerton Hospital has a strong tradition for excellence in education. It has a separate education centre adjacent to the main hospital, which houses a purpose built simulation suite which was officially opened in 2011. There is also a fully equipped clinical skills lab which sits alongside the simulation centre.

In January 2014/15 we have successfully obtained funding from HENCEL (Health Education North Central and East London) for our multi-disciplinary in-situ training programme, which we will expand (including into primary care) in 2014 / 2015. Our ambition is to embed in-situ simulation learning throughout the trust, targeting all staff involved in delivering patient care
The trainee will be expected to participate in educational research (e.g. simulation training & transferable skills), and educational governance (e.g. participation in Simulation Strategy Group meetings)

**Any further information**

Tertiary Specialist Centre: Royal London Hospital

**Contact details for unit**

Dr Meena Patel - meena.patel@nhs.net

0208 510 7127

**Curriculum**

Each subspecialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: [http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum](http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum)
## Northern Ireland

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Guaranteed (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Royal Belfast Hospital for Sick Children, Belfast</td>
<td>Emergency Medicine</td>
<td>12-24</td>
<td>Dr Julie-Ann Maney <a href="mailto:julieann.maney@belfasttrust.hscni.net">julieann.maney@belfasttrust.hscni.net</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Belfast Hospital for Sick Children, Belfast</td>
<td>PICM</td>
<td>6</td>
<td>Dr Julie Richardson <a href="mailto:julie.richardson@belfasttrust.hscni.net">julie.richardson@belfasttrust.hscni.net</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Belfast Hospital for Sick Children, Belfast</td>
<td>Paediatric Surgery</td>
<td>3</td>
<td>Mr David Marshall <a href="mailto:david.marshall@belfasttrust.hscni.net">david.marshall@belfasttrust.hscni.net</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Belfast Hospital for Sick Children, Belfast</td>
<td>Paediatric Orthopaedic Surgery</td>
<td>3</td>
<td>Mr Jim Ballard <a href="mailto:jim.ballard@belfasttrust.hscni.net">jim.ballard@belfasttrust.hscni.net</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>
Sub-specialty: Paediatric Emergency Medicine

Base Unit: Royal Belfast Hospital for Sick Children

Deaneries involved: Northern Ireland

Outline of Programme:

Paediatric emergency medicine grid training, 3 year programme including 1 year emergency paediatrics, 6 months paediatric intensive care, 6 months paediatric surgery including orthopaedics & general surgery. Approved by Paediatric Emergency Medicine CSAC.

Departmental Information:

- Demographics:
The Emergency department in RBHSC is the only dedicated 24 hour Paediatric Emergency Department in Northern Ireland. Approximately 40,000 children are seen in the department annually, with an age range from birth to the fourteenth birthday, (soon to be increased to sixteenth). As RBHSC functions both as a district general paediatric hospital and as a paediatric tertiary referral centre, the children attending the emergency department present with a wide range of conditions encompassing general paediatrics, paediatric sub-specialties, general surgery, orthopaedics and neurosurgery. Many of the children seen in the emergency department have complex needs. The emergency department staff liaise closely with colleagues in all of the specialities within RBHSC. We encounter a diverse range of pathology and we serve as the paediatric trauma centre for Northern Ireland.

Picu 12 bedded unit, tertiary referral centre for Northern Ireland. Transport team for northern Ireland retrieves from all over Northern Ireland.

Trainees
ST 1-3  11(4 Paediatric, 2 General Practice and 5 Emergency Medicine trainee.)
ST 4-8  3(1 Paediatric Registrar,)1 (EM registrar) 1 PEM grid registrar

- Team:
  Consultants:
  7 wte paediatric emergency medicine consultants.
  Brigitte Bartholome (Lead Clinician)
  Elizabeth Dalzell (Rota co-ordinator)
  Julie-Ann Maney (Safeguarding/Education/Simulation)
  Andrew Fitzsimons (Education / Simulation)
  Dr Haiko Jahn (Education/Sedation/Sports Medicine)
  Dr Stephen Mullen (adolescent medicine)
  Dr Tudor Oman(locum)
  Specialty Doctor:- Dr Tracey Crichton

  Supervisor(s):
  Dr Julie-Ann Maney
  Dr Andrew Fitzsimons
  Dr Brigitte Bartholome
  Dr Elizabeth Dalzell

Clinical Training Responsibilities:

Clinical Duties of Training Post:

This post is expected to be suitable for gaining required competencies of both general paediatrics and paediatric emergency medicine. There is very close supervision and extensive opportunities for learning.
During placement in the ED the trainee will be a part of the middle tier rota. Their work on the shop floor will include assessment, investigation and treatment of patients attending the Emergency Department along with providing support to the more junior members of the team. The Trainee will in turn be supported by Consultant staff, who are in the department from 9am-11pm daily.

They will have the opportunity to further develop their skills in line with the curriculum of emergency medicine. They will be encouraged to attend (and lead with supervision) resuscitations, both medical and trauma. As a senior member of the ED staff, the trainee would also develop and understanding of the safeguarding and legal systems.

The trainee will have the opportunity to enhance the practical skills required in an Emergency Department, i.e. Cannulation, Lumbar Puncture, Suturing, Manipulation of fractures/application of splints.

We have a close working relationship with PICU and our anaesthetic colleagues and advanced airway skills can be achieved in theatre and PICU

Each trainee in the ED is expected to participate in our departmental teaching. This is protected study time each Thursday morning and during this time we have evidence based discussions regarding the diagnosis and management of interesting or complex cases that have been encountered in the department. Simulation teaching happens fortnightly and registrars lead this training.

There is a regular journal club which trainees get the opportunity to lead.

The trainee will attend the weekly hospital clinical educational meeting and at times will be expected to take an active role in this.

**Workload/Rota Arrangements/Example Timetable:**

<table>
<thead>
<tr>
<th>Day</th>
<th>am</th>
<th>pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Review Clinic</td>
<td></td>
</tr>
<tr>
<td>Tuesday</td>
<td>Review Clinic</td>
<td>Hospital clinical meeting. (13.00–14.00)</td>
</tr>
<tr>
<td>Wednesday</td>
<td>Review Clinic</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td>Departmental Training</td>
<td>Hospital Teaching/Journal Club. (13.00-14.00)</td>
</tr>
<tr>
<td></td>
<td>PEM /CPD 1100-1200</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Simulation fortnightly</td>
<td></td>
</tr>
<tr>
<td>Friday</td>
<td>NI trauma meeting and case feedback</td>
<td></td>
</tr>
</tbody>
</table>

No. of Trainees:
- ST 1-3: 1(4 Paediatric, 2 General Practice and 5 Emergency Medicine trainee.)
- ST 4-8: 3(1 Paediatric Registrar.) 1 (EM registrar) 1 PEM grid registrar

Rotas:
- ST 1-3: 1person full shift. (Band 2A)
- ST 4-8: Weekly job plan with 1 in 4 weekend rota.

Consultant staff present in the ED until 11pm each evening and consultant available on-call 24/7
Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

| RBHSC is a member of paediatric emergency research collaborative for UK and Ireland, PERUKI. RBHSC is involved in multicentre research including Eclipse and other PERUKI studies. Trainees will have the opportunity to be involved in quality improvement projects and research. Trainees are encouraged to present at local and international conferences and are supported in their research activities. The grid trainee will have responsibility for taking lead in simulation teaching to ensure all the curriculum is covered for paediatric and emergency trainees. |

Further Training Opportunities:

| There is a wide programme for teaching each week in RBHSC. There are opportunities to develop interests in education and research. We have a fully equipped office for junior staff. Queen’s University Library is on The Royal Hospitals site and is open until 9pm in the working week. |

Any further Information:

| Wide range of paediatric specialties on site. |

Contact details for Unit:

| Telephone: Dr Julie-Ann Maney |
| E-mail: julieann.maney@belfasttrust.hscni.net |

Curriculum:

| Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties) |
# North West (AH)

## Rotation 1

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Availability (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alder Hey Children's Hospital NHS Foundation Trust</td>
<td>Emergency Medicine</td>
<td>12</td>
<td><a href="mailto:Shrouk.messahel@alderhey.nhs.uk">Shrouk.messahel@alderhey.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Alder Hey Children's Hospital NHS Foundation Trust</td>
<td>PICU</td>
<td>6</td>
<td><a href="mailto:Ben.lakin@alderhey.nhs.uk">Ben.lakin@alderhey.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Alder Hey Children's Hospital NHS Foundation Trust</td>
<td>Surgical Secondments</td>
<td>6</td>
<td><a href="mailto:Shrouk.messahel@alderhey.nhs.uk">Shrouk.messahel@alderhey.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Additional Information:**

The post allows the trainees to identify their own needs for competency within the surgical specialties. All Subspecialties are available for training.
Paediatric Emergency Medicine Programme Description 2020

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>Paediatric Emergency Medicine PEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Unit:</td>
<td>Emergency Department at Alder Hey Children's Hospital NHS Foundation Trust</td>
</tr>
<tr>
<td>Deaneries involved:</td>
<td>Health Education North West (Mersey)</td>
</tr>
</tbody>
</table>

**Outline of Programme**

The posts offered are full time posts to join our NTN Paediatric Emergency Medicine training scheme in the Emergency Department (ED) at Alder Hey. The post is for a two year training program with aim to gain subspecialism in PEM. We will and have accommodated trainees who wish to complete their training less than full time.

We are a busy department seeing over 60,000 attendances per year. Alder Hey is also a Major Trauma Centre for Paediatrics in the North West. We have excellent on site support from all specialities. In October 2015 we move to the new state of the art Alder Hey Children's Health Park, with helipad.

This post offers an exciting opportunity for comprehensive training in Paediatric Emergency Medicine, Paediatric Intensive Care, including resuscitation and advanced paediatric life support and paediatric retrieval training with NWTS (North West and North Wales Paediatric Retrieval Service) and training within all the Surgical Specialities. The trainee will spend a total of 12 months in the ED, 6 months in ICU and 6 months on Surgical Secondments.

All trainees participate in the monthly regional PEM teaching programme of lectures, tutorials and practical sessions on all aspects of PEM. There is monthly journal club, mortality and critical incident meetings which are open to everyone from the multidisciplinary team. There is in-house simulation training twice weekly.

During year 2 training there will be the opportunity to develop as the lead consultant taking an overall management role for the department during your shift in a supervised fashion. Senior trainees are expected to support and supervise less experienced colleagues. In addition, trainees help coordinate and deliver the national teaching programme and present at journal club and mortality meetings.

As a department we are involved in research opportunities and have an excellent research team. We expect our trainees to become GCP trained and fully participate in ongoing national and international trials of which the department is currently involved in 5. Audit and presentation of work and attendance at national/international PEM conferences is strongly supported. Health Education North West Deanery offers a substantial number of free courses with regard to obtaining generic and management skills.

**Departmental Information**

- **Demographics**
  Alder Hey Children’s NHS Foundation Trust is one of the largest and busiest children’s hospitals in Europe. The Trust has a world class reputation and is an international centre of excellence, treating more than 200,000 children a year from
20 health authorities in the North West, North Wales, Shropshire and Isle of Man. We have a state of the art Children’s Health Park.

The ED has about 60,000 attendances each year. We also run trauma and medical review clinics.

- Team
  - Consultants:
    - Consultants 10WTE
    - Eileen Byrne
    - Charlotte Durand
    - Julie Grice
    - Mike Hickey
    - Anne Kerr
    - Bimal Mehta
    - Shrouk Messahel
    - Matt Rotheram
    - Mary Ryan
    - Sarah Jones
    - Joe Langton
    - Shirley Mulvaney
    - Lalith Wijedoru
    - Associate Specialist Dr Kirsty Holloran

- Junior doctors
  - 2 National Grid trainees in Paediatric Emergency Medicine
  - 2 ST7 in Emergency Medicine, Paediatric Sub-speciality training
  - 2 Senior Trainees (beyond ST3 level on paediatric rotation)
  - 5-6 ST3 Emergency Medicine
  - 8 ST1-3 - 4 each from paediatrics and general practice

- Specialist Nurses
- 5 Advanced Paediatric Nurse Practitioners
Paediatric Emergency Medicine Programme Description 2020

- 10 Paediatric Emergency Nurse Practitioners
- Support staff
- 1 Medical staffing coordinator
- 2 Medical Secretaries
- Play Specialist available
- Supervisor(s)
  All ED Consultants will clinically supervise whilst the trainee is in the ED. The trainee will be allocated one ED Consultant to be their Educational Supervisor for their full rotation. On their secondments and PICU, the trainee will have a clinical supervisor from the respective departments.

**Clinical Training Responsibilities**

Alder Hey is recognised by the RCPCH for full training in Paediatric Emergency Medicine sub-speciality. The RCPCH syllabus is followed with competency based assessments incorporated. *Workload / Rota Arrangements / Example Timetable*

[The ED rota is a resident full shift system that is fully compliant with the New Contract guidelines. Weekends and nights will be in the ED during the six month placement in surgical specialities. During PICU/NWTS the trainee will be on their rota, currently New Contract compliant.]

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

The department currently is participating in national and international trials and we have an excellent research team. Trainees would be expected to complete training in ‘Good Clinical Practice’ and participate in recruitment to trials. The appointee will be encouraged to undertake an audit or research project and recent trainees have successfully submitted abstracts to International meetings. Attendance at local and national postgraduate courses and meetings is actively encouraged. There are excellent postgraduate facilities at Alder Hey.

**Further training opportunities**

There is opportunity to run the twice weekly simulation sessions to develop simulation leadership within the ED.

**Any further information**

Contact Dr Shrouk Messahel for further information / happy to arrange a visit. Secretary: Tel. 0151 252 5083. Email: shrouk.messahel@alderhey.nhs.uk

**Contact details for unit:** Emergency department, Alder Hey Children's NHS Foundation Trust, Liverpool, L12 2AP.

**Curriculum:** Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: [http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum](http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum)
### North West (RMCH)

#### Rotation 2

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<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C) or Optional (O)</th>
<th>Guaranteed Availability (Y/N)</th>
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</thead>
<tbody>
<tr>
<td>Royal Manchester Children’s Hospital</td>
<td>Paediatric Emergency Department</td>
<td>12</td>
<td><a href="mailto:Rachel.jenner@mft.nhs.uk">Rachel.jenner@mft.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Manchester Children’s Hospital</td>
<td>Paediatric ICU</td>
<td>6</td>
<td><a href="mailto:Chetanj.gupta@mft.nhs.uk">Chetanj.gupta@mft.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Manchester Children’s Hospital</td>
<td>Paediatric Surgery</td>
<td>3</td>
<td><a href="mailto:Ross.craigie@mft.nhs.uk">Ross.craigie@mft.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Royal Manchester Children’s Hospital</td>
<td>Paediatric Trauma and Orthopaedics including Major Trauma Team</td>
<td>3</td>
<td><a href="mailto:Farhan.ali@mft.nhs.uk">Farhan.ali@mft.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>

**Additional Information:**
All placements are based at Royal Manchester Children’s Hospital which is part of Manchester University NHS Foundation Trust. The order of the placements will be discussed and agreed between the programme lead (Dr Rachel Jenner) and the grid trainee taking into account the educational needs of the trainee and placement availability.
## Sub-specialty:
Paediatric Emergency Medicine

## Base Unit:
Royal Manchester Children’s Hospital

## Deaneries involved:
North Western

### Outline of Programme:

Grid training in Paediatric Emergency Medicine at Royal Manchester Children's Hospital is a 24 month programme in one of the busiest tertiary children's hospitals and Paediatric Major Trauma Centres in the UK.

The programme consists of 12 months in the Paediatric Emergency Department, 6 months of Paediatric Intensive Care and 6 months in total of Paediatric Surgery and Orthopaedics. All attachments are based at Royal Manchester Children's Hospital.

We have a long and highly rated programme of training for Emergency Medicine trainees in Paediatric Emergency Medicine (PEM) and are delighted to now be able to offer grid training in PEM to Paediatric trainees. We are supportive of those who wish to train on a less than full time basis.

Manchester University Hospitals NHS Foundation Trust is a major teaching Trust with nine hospitals on six sites. The hospitals are Royal Manchester Children’s Hospital (RMCH), Manchester Royal Infirmary (MRI), Manchester Royal Eye Hospital (MREH) and St. Mary’s Hospital (SMH) all at the main Central Manchester site and also includes the University Dental Hospital, Withington Community Hospital, Wythenshawe Hospital, Altrincham Hospital and Trafford General Hospital (TGH).

The Royal Manchester Children's Hospital is the largest children's hospital in the UK with 371 beds. The hospital provides specialist healthcare services to children and young people throughout the North West as well as nationally and internationally in addition to serving the local population. All specialties are provided with the exception of cardiac surgery. Specialist services renowned nationally include haematology and bone marrow transplantation, nephrology and renal transplantation and a national metabolic medicine and endocrine service. These secondary and tertiary services provide an impressive facility for children and babies throughout North West England.

RMCH is a teaching hospital and is situated next to Manchester Medical School and Manchester University. The National Institute for Health Research has allocated Biomedical Research Centre (BRC) to Manchester University Hospitals NHS Foundation Trust (CMFT) and University of Manchester partnership. This achievement, allocated only to the leaders in scientific translation research, brings with it substantial levels of funding to translate fundamental biomedical research into clinical research that benefits patients. Our BRC status is as a specialist centre for Genetics and Developmental Medicine.

### Departmental information:

- **Demographics:**

  The Paediatric Emergency Department (PED) at RMCH is a purpose built dedicated children’s facility that sees approximately 50,000 children per year and acts as a single point of access for all emergency and unscheduled attendances to the hospital. It serves the local community of
central Manchester, a highly diverse population and provides tertiary services across the region. RMCH is a Paediatric Major Trauma Centre (PMTC) receiving up to 50 paediatric major trauma calls per month.

There is a 3 bedded fully equipped resuscitation room, adjacent assessment area with cubicles and consulting rooms for children and young people and an 8 bedded Children’s Clinical Decision Unit is managed by and within the footprint of PED.

There is a PED consultant present in the department from 0800 until at least 2300 and available 24/7 on call for major trauma calls and any other emergencies.

- Team:
  The Paediatric Emergency Medicine consultant team:

  Dr Rachel Jenner (Clinical Lead for PED)
  Dr Katherine Potier (Education lead)
  Mr Lorcan Duane (Trauma and Clinical Effectiveness Lead)
  Dr Nicola Wilson

  Supported by a team of consultants who rotate between PED and the adult ED at Manchester Royal Infirmary including

  Prof Simon Carley  Prof Kevin Mackway-Jones
  Prof Richard Body  Dr Craig Ferguson
  Dr Sivanthi Sivanarajah  Dr Peter Hulme
  Dr Katie Cole  Dr Joseph Godfrey
  Dr Janos Baombe  Mr Alistair Rennie
  Dr Alastair Hayes  Dr Omar Amin
  Dr Nandini Sen  Dr Alan Grayson
  Dr Sarah Leech  Dr Dhurga Gnanasegram
  Dr Kirstin Ballantyne  Dr Gareth roberts
  Dr Rosemary Morton (Clinical Director Emergency Services)

  The junior doctor team, in addition to these grid posts includes ST7 Emergency Medicine trainees doing subspeciality Paediatric Emergency Medicine training, CT3 EM trainees doing PEM, paediatric trainees, GP trainees, F2 doctors and clinical fellows.

  We also provide training for Advanced Clinical Practitioners.
We work closely with our nursing team and have a full time play specialist based in PED.

Find us on Twitter @RMCH_PED

- Supervisor(s):
  Dr Rachel Jenner rachel.jenner@mft.nhs.uk

Clinical Training Responsibilities:

**Paediatric Emergency Medicine:**

The training programme is designed to ensure that all trainees attain and are confident in the competencies of the RCPCH/RCEM curriculum in Paediatric Emergency Medicine. Clinical work is a full shift middle grade rota in PED with close supervision and teaching available from the PED consultant on duty. We encourage senior trainees to take an active role in acting as major trauma team or resuscitation team leader with support provided by the PED consultant.

There are twice daily consultant led departmental handovers and multiple daily reviews of children admitted to the Childrens Clinical Decision Unit which is managed by PED staff. The department has a strong team ethos and is committed to education. We aim to deliver family centred care to children and young people for all types of emergency presentations.

As well as these grid posts, the department has subspecialty PEM trainees from an ED background and bespoke tutorials will be offered for all subspecialty PEM trainees. There is also the opportunity to attend and deliver departmental teaching and attend regional PEM training days held jointly with Alder Hey Childrens Hospital. All PEM subspecialty trainees are also expected to attend national training days usually held in July of each year.

The post also offers opportunity to participate in research, gain experience in management, quality improvement and service development.

Clinics are held within the Paediatric Emergency Department to review both trauma and medical patients and trainees will have the opportunity to see follow up patients in this setting.

There will be an opportunity to spend time in the Adult Emergency Department at Manchester Royal Infirmary (on a supernumary basis) gaining additional expertise in managing emergency presentations of adolescents and young people including penetrating thoracic and abdominal trauma.

**PICU**

**PAEDIATRIC CRITICAL CARE (Manchester)**

Paediatric Critical Care services are well developed within the new Royal Manchester Children's Hospital. With 15 general Intensive Care beds, 12 High Dependency beds and 2 paediatric burns ICU beds, Manchester has the largest general PCCU in the country and admits around 1500 patients a year. The unit is recognised for providing one year sub-speciality training in paediatric intensive care by the Paediatric Intensive Care Medicine Specialist Advisory Committee.

Consultants

Dr Rachael Barber (Clinical Director)
Dr Chetan Gupta (PICU Lead)
Dr Graham Mason (PHDU Lead)
Dr Peter Marc Fortune (Associate Clinical Head, RMCH)
Dr Mahil Samuel
Dr Stephen Playfor
Dr Dorthe Grainger (PICU and NWTS)
Dr Sharmila Gopisetti
Dr Gayathri Subramanian
Dr Rajesh Phatak (PICU and NWTS)
Dr Ravishankar Nagaraj
Dr Danielle Pask (PHDU)
Prof Ralph Mackinnon (Anaesthesia and PHDU)

Non-consultant Medical Staff
4 Advanced Practitioners in PICU
5 Advanced Practitioners in training
18 Specialty Trainees and clinical fellows

THE POST
PCCU (Manchester) Overview

Duties will be based at the Royal Manchester Children’s Hospital as a member of the critical care team.

There are currently 10 PICU consultants who cover PICU on a weekly on call rota. The Fellow/Specialty Trainee rota currently consists of 16 doctors working on a single tier rota. They come from varied backgrounds including paediatrics, anaesthesia, accident and emergency, surgery and intensive care trainees. There are always a minimum of 3 Doctors on duty at any time. In addition there are 4 Advanced Practitioners in PICU who work alongside the medical staff.

The training received will include management of a wide range of critically ill patients with exposure to the use of a variety of organ support systems including high frequency oscillation, inhaled nitric oxide, haemofiltration, Anaconda and heliox.
Duties and responsibilities

The Clinical Fellows/Specialty trainees provide continuity of PCCU patients’ care in a shift pattern.

• There is a consultant-led ward round twice a day
• Fellows are responsible for the day-to-day work on the unit, including admissions and discharges
• The majority of the clinical time is spent on PICU but rotate for 2 to 3 days at a time to PHDU/outreach registrar.
• Further training in anaesthesia or any other specialty can be organised on standard days.

Education and Training

• There is a 2 day mandatory induction programme
• There are 2 hours of protected teaching within the department each week
• There is also a full day every month of regional teaching based at NWTS.
• Both are compulsory and included in the hours monitoring.

• There are also monthly unit and mortality meetings
• There is weekly radiology teaching (dependent on Radiology consultant availability)
• Twice weekly ID ward rounds on the PICU.
• Twice weekly Consultant-led Educational snapshots occur after the morning ward round
• There are opportunities to gain experience in anaesthesia or other specialties on standard days (to be organised by the fellow/ trainee).
• There is a weekly hospital grand round
• For interested candidates there is a well-established MRCPCH clinical teaching programme run by RMCH to prepare for MRCPCH part 2.

Surgical Specialties

Secondment time to paediatric surgical specialties will include:

3 months based in Paediatric Surgery
3 months based in Paediatric Orthopaedics and Major Trauma Team
A bespoke timetable will be developed with each grid trainee to allow them to achieve the curriculum competencies required for Paediatric Emergency Medicine. This will include theatre sessions, outpatient clinics, review of acute referrals, admissions and ward patients. The grid trainee will also be expected to work with the Paediatric Major Trauma Team, developing an understanding of all aspects of trauma care in children and young people from the front door through to rehabilitation.

During this time there will also be opportunity to gain experience in other curriculum areas such as burns and plastic surgery, urology, ENT, neurosurgery and gynaecology and sexual health.

On call / out of hours responsibilities during the surgical secondment will be with general paediatrics.

Workload/Rota Arrangements/Example Timetable:

The PED middle grade rota is a full shift rota that is band 1A

Example rota (July 2019)

| PED Reg | Wee k |  |  |  |  |
|---------|------|  |  |  |  |
| 1 ----- | ----- | 13.00-22.00 | 13.00-22.00 | 13.00-22.00 | 21.30-8.30 |
| 2 21.30-8.30 | 21.30-8.30 | 13.00-22.00 | 13.00-22.00 | 17.00-02.00 | STAR 13.00-22.00 |
| 3 12.00-22.00 | 12.00-22.00 | 17.00-02.00 | 17.00-02.00 | 0800 - 1700 | 0800 - 1700 |
| 4 ----- | ----- | 0800 - 1700 | 0800 - 1700 | 13.00-22.00 | 17.00-02.00 |
| 5 1600 - 0200 | 1600 - 0200 | -- | 0800 - 1700 | 0800 - 1700 | STAR |
| 6 0800 - 1800 | 0800 - 1800 | STAR | 17.00-02.00 | 17.00-02.00 | 17.00-02.00 |
| 8 A/L | A/L | A/L | A/L | A/L | A/L | A/L |

The rota includes dedicated STAR days – for study, teaching, administration (management/quality improvement) and research. Each trainee will develop a personalised set of goals and objectives for their STAR time.

Learning opportunities during STAR time may include attendance at hospital management meetings, time with CAMHS team, tertiary safeguarding.

Annual leave may be taken at other times on the rota (not for nights), week 8 is shown as an example.

PICU Rota (Example rota July 2019)

<table>
<thead>
<tr>
<th>Wk</th>
<th>Mon</th>
<th>Tue</th>
<th>Wed</th>
<th>Thu</th>
<th>Fri</th>
<th>Sat</th>
<th>Sun</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LD</td>
<td>LD</td>
<td></td>
<td>LD</td>
<td>LD</td>
<td></td>
<td>Zero</td>
</tr>
<tr>
<td>2</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
</tr>
<tr>
<td>3</td>
<td>HDU</td>
<td>HDU</td>
<td>Teaching</td>
<td>Zero</td>
<td>Zero</td>
<td>LD</td>
<td>LD</td>
</tr>
<tr>
<td>4</td>
<td>Zero</td>
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<tr>
<td>5</td>
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<td>Zero</td>
<td>Zero</td>
<td>Zero</td>
<td>LD</td>
<td>LD</td>
</tr>
<tr>
<td>6</td>
<td>Zero</td>
<td>Zero</td>
<td>SD</td>
<td>Teaching</td>
<td>SD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>SD</td>
<td>SD</td>
<td>SD</td>
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<td>SD</td>
<td>SD</td>
<td>SD</td>
</tr>
<tr>
<td>8</td>
<td>Zero</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
<td>Nights</td>
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<td>9</td>
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<td>LD</td>
<td>LD</td>
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</tr>
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<td>LD</td>
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<td>LD</td>
<td>Zero</td>
<td>Nights</td>
<td>Nights</td>
</tr>
<tr>
<td>11</td>
<td>Nights</td>
<td>Zero</td>
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<td>Zero</td>
<td>LD</td>
<td>LD</td>
<td>LD</td>
</tr>
<tr>
<td>12</td>
<td>SD</td>
<td>SD</td>
<td>SD</td>
<td>SD</td>
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<td>SD</td>
<td>SD</td>
</tr>
<tr>
<td>13</td>
<td>Zero</td>
<td>SD</td>
<td>Teaching</td>
<td>Teaching</td>
<td>Zero</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Surgery Rota

A bespoke rota will be created for PEM grid trainees to allow a wide range of experience in all aspects of paediatric surgical care including management of paediatric major trauma beyond the ED

Example rota paediatric surgery

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>am</td>
<td>0800 Ward round 9-10</td>
<td>Theatre</td>
<td>Ward round</td>
<td>Flexible</td>
<td>Ward round</td>
</tr>
<tr>
<td></td>
<td>Radiology 10-11 Paed surgery</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Teaching</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Every fourth Monday M&amp;M from 9-11)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pm</td>
<td>Flexible</td>
<td>Theatre</td>
<td>Outpatient clinic</td>
<td>Theatre</td>
<td>Outpatient Clinic</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/ urology teaching</td>
<td></td>
</tr>
</tbody>
</table>

Example rota paediatric orthopaedics / major trauma team

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>am</td>
<td>0800 Trauma Meeting</td>
<td>0800 Trauma Meeting</td>
<td>0800 Trauma Meeting</td>
<td>0800 Trauma</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fracture clinic</td>
<td>1300 Major Trauma</td>
<td>Trauma List</td>
<td>Meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1200 TICA (Trauma immediate care assessment) Meeting</td>
<td>Steering Group (monthly)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pm</td>
<td>Major Trauma Ward Round</td>
<td>Fracture Clinic</td>
<td>Trauma List</td>
<td>Outpatient</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>clinic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Flexible</td>
<td></td>
</tr>
</tbody>
</table>

Flexible sessions would be expected to include experience in Paediatric gynaecology clinic Emergency Eye Centre and Paediatric Ophthalmology Clinic Burns and Plastics Major Trauma case review via Major Trauma Audit Group
Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

The Paediatric Emergency Department at Royal Manchester Children's Hospital is a member of PERUKI (The PEM Research Collaborative of UK and Ireland) and grid trainees will be expected to undertake training in Good Clinical Practice to allow them to take an active role in research projects within the department. There is a full time research nurse based in the Paediatric ED.

Trainees will be expected to participate in both local and national audits relevant to Paediatric Emergency Medicine and as a Paediatric Major Trauma Centre, RMCH regularly submits data to TARN (Trauma Audit Research Network).

There are regular opportunities to teach medical students, trainee advanced clinical practitioners and junior doctors both within the Paediatric ED, the wider Children's Hospital and the University of Manchester.

Further Training Opportunities:

There will be an opportunity to spend time in the Adult Emergency Department at Manchester Royal Infirmary (on a supernumary basis) gaining additional expertise in managing emergency presentations of adolescents and young people including penetrating thoracic and abdominal trauma.

Experience in management of an Emergency Department and exposure to wider hospital management issues and structure will also be possible via educational supervisors.

Any further Information:

Please contact Dr Rachel Jenner, Consultant in Paediatric Emergency Medicine for any further information.

rachel.jenner@mft.nhs.uk

Tel (secretary Samantha Yates) 0161 701 9124

Contact details for Unit:

<table>
<thead>
<tr>
<th>Telephone</th>
<th>0161 701 9124</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-mail</td>
<td><a href="mailto:Rachel.jenner@mft.nhs.uk">Rachel.jenner@mft.nhs.uk</a></td>
</tr>
</tbody>
</table>

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties
## Severn

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C) or Optional (O)</th>
<th>Availability (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bristol Children's Hospital</td>
<td>Paediatric Intensive Care Medicine</td>
<td>6</td>
<td>Dr Sarah Goodwin <a href="mailto:Sarah.Goodwin@UHBristol.nhs.uk">Sarah.Goodwin@UHBristol.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>Bristol Children's Hospital</td>
<td>Paediatric Intensive Care Medicine</td>
<td>18</td>
<td>Dr Samantha Milsom <a href="mailto:Samantha.milsom@UHBristol.nhs.uk">Samantha.milsom@UHBristol.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
</tbody>
</table>
Sub-specialty: **Paediatric Emergency Medicine PEM**

Base Unit: **Bristol Royal Hospital for Children**

Deaneries involved: **Severn**

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**Become a Paediatric Emergency Medicine Specialist With Us**

We are a growing, thriving and innovative Children’s Emergency Department and we believe we offer one of the best training programmes for PEM in the UK. It all starts with our vision as a department and ‘what we do’. Our vision is: **To be a world leading children’s emergency department providing the best care for all children.**

**What We Do**

Bristol was voted best place to live in the UK in 2017 by the Sunday Times. We think this is a great place to work too and this has been our feedback from trainees. We are a friendly, open, supportive group and enjoy welcoming PEM GRID trainees to the team. We want people who are enthusiastic and keen to learn and we will provide world class training in PEM. But we also want people who have something to contribute. We are open to new ideas and want to embrace innovation and change.

**Outline of PEM GRID Training in Bristol**

The Bristol Royal Hospital for Children (BRHC) GRID training in paediatric emergency medicine (PEM) is well established and has recently benefited from an expansion in dedicated consultant numbers. The 2 year programme comprises:

- 12 months of paediatric emergency medicine
- 6 months of training secondments (e.g. Orthopaedics, ENT, Plastics, Trauma, Ophthalmology)
- 6 months of PICU

The BRHC Emergency Department usually has 2 paediatric EM GRID registrars and 2 senior general EM registrars in specialist training at any one time. There is a strong educational programme and the department is committed to both national and locally led research projects.
About the Bristol Royal Hospital for Children (BRHC)

The 'Royal Hospital for Sick Children,' founded in 1866, is the second oldest Children’s Hospital in the country. In April 2001 it moved into new, purpose built premises next to the Bristol Royal Infirmary, remaining adjacent to the Medical School and main Bristol University complex. It forms part of the University Hospitals Bristol NHS Foundation Trust and was re-named Bristol Royal Hospital for Children.

BRHC is the paediatric major trauma centre for the South West region and houses burns, plastics and neurosurgery as well as cardiac surgery, orthopaedics and paediatric surgery. The Children’s Emergency Department (CED) serves the local inner city population and also receives patients from other local and regional hospitals for specialist paediatric care. The attendees comprise a range of medical and surgical conditions in addition to trauma in children aged between 0 – 16 years including the assessment of all emergency GP paediatric patients. The department sees around 40,000 patients per year.

About the Children’s Emergency Department (CED)

The current clinical facilities comprise: a 5 bay resuscitation room (3 trolleys and 2 baby resuscitaires), and 12 fully equipped cubicles. The 8 bedded observation ward, adjacent to the ED, is managed clinically and administratively by the CED team. There are three nursing triage rooms, a relative’s room and a plaster room.

The CED is located next to the adult ED in the Bristol Royal Infirmary but with complete physical separation of the waiting and clinical areas. The consultant body comprise a combination of dedicated PEM specialists and EM consultants with a specialist interest in paediatric emergency medicine. The consultants provide senior shop floor cover and supervision of trainees between the hours of 0800-2400 seven days a week and there is a dedicated CED on-call rota.

The medical team consists of 11 paediatric emergency medicine consultants from both paediatric and emergency medicine training backgrounds. There is a middle grade tier of paediatric registrars (including GRID trainees), senior ED trainees doing paediatric emergency subspecialty training and CT3 EM trainees doing paediatric emergency medicine training. There is a junior tier consisting of GP trainees and F2s. Additional out of hours shifts are provided by junior members of the general and speciality paediatric teams. Emergency Nurse Practitioners are an integral part of the workforce. The medical, ENP and nursing staff work closely together as one team within the department and this inter-professional ethos is actively encouraged.

Training Secondments

The PICU placement is full time in PICU for 6 months, working as a member of their roster including retrieval responsibilities on the WATCH team (http://www.watch.nhs.uk/)

The additional 6 month secondment training timetable is tailored to gain maximum benefit from the specialities including trauma and orthopaedics, paediatric surgery, ENT, ophthalmology, plastic surgery, burns, gynaecology. During this 6 months, trainees will spend on average 30 hours per week in the specialty with out of hours continued training and work in the CED.
Clinical and Non-clinical Training: What we Offer

The BRHC GRID clinical training program is designed to ensure that all trainees meet and exceed the competencies set out in the RCPCH/RCEM PEM curriculum.

Education

In addition to providing extensive hands on clinical experience, the department runs a comprehensive education programme with weekly registrar teaching and a novel simulation program to ensure that trainees gain sufficient experience in medical, surgical and trauma emergency presentations. This is run as weekly ‘Mini-Sim’ and monthly ‘Big-Sim’ point of care scenarios and is run in close collaboration with the nationally renowned Bristol Medical Simulation Centre (BMSC). Further simulation training and development opportunities are available through the BMSC with courses such as Train the Trainers and the Bristol Advanced Simulation Instructors Masterclass (http://www.bmsc.co.uk/).

Research

Research is embedded into daily practice and the department has a track record of successfully recruiting into both national and local research projects. There is a dedicated research team including departmental research nurses. BRHC CED has taken a leading role in the establishment of PERUKI (http://www.peruki.org/), the national PEM research network.

Clinical governance/Audit

The provision of high quality evidence based medicine is a departmental priority and we are proud of our contributions both locally and nationally. There is an expectation for trainees to be involved in audit and clinical guideline and service development, and trainees are supported to develop their own projects including evidence synthesis and quality improvement.

Workload / Rota Arrangements

The Children’s Emergency Department operates a Full Shift rota that is Band 1a (average of 42 hours per week).

Shifts in the CED are structured as follows:

<p>| | | |</p>
<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Early(1)</td>
<td>0800-1630</td>
<td>Night</td>
</tr>
<tr>
<td>Early(2)</td>
<td>0800-1800</td>
<td>Weekend Early</td>
</tr>
<tr>
<td>Middle</td>
<td>1400-2230</td>
<td>Weekend Middle</td>
</tr>
<tr>
<td>Late</td>
<td>1600-0000</td>
<td>Weekend Late</td>
</tr>
</tbody>
</table>
More About Us

You can find out more about our Children’s Emergency Department here in Bristol at:


You can find out more about Bristol and living here at:
http://visitbristol.co.uk/information/contact-us

Contact details

Dr Anne Frampton, Clinical Lead (anne.frampton@UHBristol.nhs.uk)

Children’s Emergency Department

Bristol Royal Hospital for Children

Upper Maudlin Street, Bristol, BS2 8BJ.

Secretary 0117 3428187
South East Scotland

<table>
<thead>
<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C)</th>
<th>Availability (Y/N)</th>
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<tbody>
<tr>
<td>Royal Hospital for Children and Young People, Edinburgh</td>
<td>PEM, PICU, PS&amp;O (as below)</td>
<td>24</td>
<td>Dr Sarah Goodwin <a href="mailto:Sarah.Goodwin@UHBristol.nhs.uk">Sarah.Goodwin@UHBristol.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
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</table>

Additional Information:

The training programme in Edinburgh is 24 months in duration and will be undertaken at the newly opened Royal Hospital for Children and Young People. Trainees will spend 12 months in our dedicated Paediatric Emergency Department, 6 months in Paediatric Intensive Care, and 6 months of secondments in paediatric surgery and paediatric orthopaedics enabling trainees to gain the necessary competencies required by the RCPCH.
**Programme Description**

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>Paediatric Emergency Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Unit:</strong></td>
<td>Royal Hospital for Children and Young People, Edinburgh</td>
</tr>
<tr>
<td><strong>Deaneries involved:</strong></td>
<td>South East Scotland</td>
</tr>
</tbody>
</table>

**Outline of Programme:**

This post is suitable for specialty trainees who wish to specialise in Paediatric Emergency Medicine. The training programme in Edinburgh is 24 months in duration and will be undertaken at the newly opened Royal Hospital for Children and Young People. Trainees will spend 12 months in our dedicated Paediatric Emergency Department, 6 months in Paediatric Intensive Care, and 6 months of secondments in paediatric surgery and paediatric orthopaedics enabling trainees to gain the necessary competencies required by the RCPCH.

**Emergency Department**

The Emergency Department at the RHCYP sees in excess of 50,000 new presentations per year, and is the Paediatric Major Trauma Centre for the South East of Scotland. The successful candidate will have the opportunity to coordinate the initial assessment, management and discharge/referral of a wide range of paediatric medical and surgical patients. The department has a common front door policy where all children referred to the Emergency Department are seen by the ED team, affording candidates exposure to a wide variety of subspecialty patients.

**PICU**

During this 6 month trainees will be part of the paediatric intensive care team, managing a range of critically ill and injured children from a variety of medical and surgical specialties. During this time trainees will have the opportunity to gain the relevant competencies and practical skills required by the RCPCH.

**Sub speciality**

During these 6 months trainees will have the opportunity to attend clinics, ward rounds or other learning opportunities in the surgical specialties to allow them to gain the necessary competencies. Out of hours working will be undertaken on the Acute Receiving Unit.

**Departmental Information:**

- **Demographics:**
  The RHCYP sees in excess of 50,000 new presentations each year, this does not include planned returns, those we manage on ambulatory antibiotics or the 4000+ patients seen in the daily ED review clinic. Having historically seen children aged 0-13, the new RHCYP will see children 0-16 years, with a predicted increase of 6000 patients per annum. In the recent reorganisation of trauma services the RHCYP is to be one of only 3 Paediatric Major Trauma centres for Scotland.

- **Team:**
  There are 14 consultants contributing to the consultant rota, 8 to the on call rota. Current working means there is a consultant in the department from 8.30-22.30 during week days and 9.00-18.00 at weekends, with on call cover being offered out with these hours.
Programme Description

There are 7 speciality doctors, 8 ST3-5 ED trainees, 3 LAS posts and 2 GPVTS. There are also 6 ENPs. This team are supported by a charge nurse, a full complement of nursing staff as well as support staff. Recruitment of additional ENPs to enable a 24/7 ENP service is under way, as is recruitment of our first Advanced Nurse Practitioner.

- Supervisor(s):
  Dylan Broomfield

Clinical Training Responsibilities:

The successful candidate would be expected to follow the RCPCH syllabus and gain the relevant competencies during their post.

Workload/Rota Arrangements/Example Timetable:

Emergency Department

During their time in the Emergency Department the successful candidate will contribute to the emergency department rota. This is a Band 1A compliant rota made up of 08.00-18.00, 12.00-22.00, 14.00-24.00 or 22.00-08.15 shifts.

PICU

During their time in the Paediatric Intensive Care Unit the successful candidate will contribute to the PICU rota. Again this is a Band 1A compliant rota made up of 08.15-20.45, 08.00-19.00, 20.15-08.45 shifts as well as administration shifts.

Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

The department is actively involved in research contributing to a number of multi centre research projects through PERUKI, including the ECLIPSE and DIAPASS trials. Trainees are actively encouraged to undertake audit projects and or quality improvement projects during their time in the department. The department runs regular Room for Improvement meetings which trainees are encouraged to be involved in.

There is weekly protected teaching with a variety of external speakers that the trainee will attend, which includes a regular morbidity and mortality meeting. The hospital also has a number of teaching opportunities including the hospital grand round as well as registrar teaching.

Further Training Opportunities:

The hospital Paediatric Emergency Team (PET) has a weekly training session, this is a 2 hour long scenario based SIM session which the trainee will have the opportunity to attend. The department also runs a monthly Trauma SIM.
Programme Description

Contact details for Unit:

<table>
<thead>
<tr>
<th>Telephone:</th>
<th>Dr Dylan Broomfield Consultant in Paediatric Emergency Medicine, Department of Emergency Medicine. Royal Hospital for Children and Young People, Edinburgh</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-mail:</td>
<td><a href="mailto:Dylan.broomfield@nhslothian.sco.nhs.uk">Dylan.broomfield@nhslothian.sco.nhs.uk</a></td>
</tr>
</tbody>
</table>

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties)
Programme Description

Thames Valley

<table>
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<tr>
<th>Hospital / Centre</th>
<th>Placement Name</th>
<th>Duration (Months)</th>
<th>Educational Supervisor (name and e-mail)</th>
<th>Compulsory (C) or Optional (O)</th>
<th>Availability (Y/N)</th>
</tr>
</thead>
</table>
| John Radcliffe Hospital | PICU              | 6                 | James Weitz – Clinical Supervisor  
James.Weitz@ouh.nhs.uk  
Moya Dawson - ES | C                | Y                  |
| John Radcliffe Hospital | PED               | 12                | Moya Dawson - CS and ES  
Moya.Dawson@ouh.nhs.uk | C                | Y                  |
| John Radcliffe Hospital | Secondment to specialties | 6                 | Moya Dawson - CS and ES  
Moya.Dawson@ouh.nhs.uk | C                | Y                  |

Additional Information:

The successful candidate will spend 6 months as an integrated member of the John Radcliffe PICU team on the registrar rota, 12 months exclusively in the John Radcliffe Paediatric Emergency Department as part of the Emergency Department team and supported by the paediatric and adult emergency consultants gaining experience in leading resuscitations, in paediatric major trauma, in minor injuries and in the management of medical and surgical cases.

There will also be a 6 month period during which the successful applicant will have the opportunity to fulfil the curriculum requirements for specialty competencies in a self-directed programme, whilst fulfilling out of hours training requirements in the paediatric emergency department.

All specialties relevant to the PEM Grid curriculum are available on site at the John Radcliffe and at the Nuffield Orthopaedic Centre a short distance away (1.7 miles, 20 minutes’ walk). This post does not involve moving in between hospitals or regions for the entirety of its duration.

Please contact Dr Moya Dawson moya.dawson@ouh.nhs.uk as the focal point of contact both for the Grid Coordinator and for potential applicants seeking further information on the programme.

Secretary: Pauline Robey, pauline.robey@ouh.nhs.uk, 01865 222060
Oxford University Hospital Trust (OUH) Children’s Hospital provides general and specialist Paediatric Critical Care to its local population and surrounding counties. The OUH delivers a broad range of medical and surgical Paediatric specialist services including a busy Neonatal Intensive Care Unit.

The Paediatric Critical Care (PCC) unit provides intensive and high dependency care to the local population and children of Oxfordshire, Berkshire and Buckinghamshire as well as further afield. Paediatric medical specialities include Infectious diseases, Respiratory medicine, Cardiology, Neurology, Endocrinology and Gastroenterology; the unit also admits patients undergoing specialist Neonatal surgery, General Surgery, Neurosurgery and requiring Trauma care. The PCC comprises an Intensive Care Area and an adjacent High Dependency ward with a combined capacity to accommodate 18 patients.

The department is run by a PCC consultant of the week, one of seven with either a Paediatric or Anaesthetic background. The consultant is a strong presence on the unit and provides a continuous high level of training and supervision. This includes overseeing the assessment and management of clinically unstable children on inpatient wards, in the ED or requiring retrieval from the DGH referral base. The HDU also receives a number of complex and high risk patients directly from theatres, providing an excellent training opportunity in the management of paediatric surgical emergencies and postoperative care.

The Oxford PCC is actively supported by a wide variety of multidisciplinary services including Paediatric Anaesthetics, Radiology, Physiotherapy and Psychology. We have close links to the local Paediatric Hospice, Helen House, to help support children with life limiting illness and their families. Paediatric Intensive Care retrievals are managed on a 24 hour basis jointly with Southampton General Hospital under the umbrella title of Southampton Oxford Retrieval Team (SORT). SORT provides support to over 15 District General Hospitals in the South Central Region.

The department is staffed with 9 trainees at ST6-7 level with a background in Paediatrics and Neonatology and one Anaesthetic trainee at ST6 or higher. The ICU trainee will participate in the full shift rota and be allocated a consultant clinical supervisor to oversee the high quality educational and training opportunities in the PCC, including interactive bedside and didactic teaching, multidisciplinary simulation and formative assessment via work based assessments. A governance project will be encouraged and the trainee will have the opportunity to take part in the ongoing research activities within the department.
Programme Description

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>Paediatric Emergency Medicine and sub-specialty competencies</th>
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</thead>
<tbody>
<tr>
<td>Base Unit:</td>
<td>John Radcliffe Hospital</td>
</tr>
<tr>
<td>Deaneries involved:</td>
<td>Oxford Deanery</td>
</tr>
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</table>

**Outline of Programme**

12 months post working exclusively in the Paediatric Emergency Department, and 6 months gaining sub-specialty competencies relevant to the PEM Grid curriculum whilst fulfilling out of hours training requirements in the Paediatric Emergency Department.

**Departmental Information**

- **Demographics**
  Audio-visually separated 7-beded department with one resus room within the PED
  Allocated Paediatric bay in the resus area
  In excess of 30,000 attendances a year, including paediatric major trauma

- **Team**
  - Consultants in the ED: 24 (10.5 WTE) EM of whom two dual accredited EM/PEM, 2 Full Time PEM
  - EM Registrars: 28 at the John Radcliffe of whom 1 EM/PEM trainee and 2 at the Horton General Hospital
  - EM SHOs: 12
  - EM Foundation Year: 1 FY1, 6FY2
  - 24hr rostered acute general paediatric registrar cover in the department
  - Acute interface GP: 4
  - 20 paediatric nurses (12 APLS providers, 1 APLS instructor)
  - 3 CSW

- **Supervisor(s)**
  Dr Moya Dawson, PEM Consultant

**Clinical Training Responsibilities**

Whilst in the PED the trainee will be working on and encouraged to run the shop floor with strong consultant presence and support. The trainee will gain knowledge and experience not only in the assessment and management of a variety of clinical presentations, but also in the running of a paediatric emergency department. Leading both medical and trauma resuscitations will be actively encouraged and always supported by a consultant. The trainee will be actively encouraged to gain experience in practical procedures (as required by the PEM curriculum) and as well as in procedural sedation.
Programme Description 2020

**Workload / Rota Arrangements / Example Timetable**

Full shift rota with early, mid and late shifts in the Paediatric Emergency Department. Shifts are likely 08.00-18.00, 12.00-21.00, 16.00-01.00

Currently the ED WTE Registrar does 40 nights per year in blocks of 3 or 4 days at a time and 16 weekends.

A third of the weekends are night shifts so will count for both.

The trainee will work alongside EM registrars and paediatric registrars, as well as PEM advanced nurse practitioners and experienced paediatric nurses. Senior support is from PEM consultants, EM consultants and paediatric consultants. The department is closely supported by the High Dependency Unit Outreach Team and the PICU team as needed, as well as the trauma, plastics, ENT, paediatric surgery and maxillo-facial teams.

**Non Clinical Training Responsibilities (expectations of research / audit / teaching)**

There is an expectation to participate in audit - this can be RCEM or personal.

There is an expectation to be involved in bedside teaching of juniors and medical students, as well as to participate (both to attend and to teach) in more formal PEM teaching which is organised weekly in the department. There is also the regular London-based Paediatric Emergency Training Programme which the trainee will be encouraged to attend.

The department is a PERUKI member and, although not compulsory, any interested trainee is very welcome to participate in research. The PERUKI lead is Dr Chris Bird who is happy to be contacted with any queries - chris.bird@ouh.nhs.uk

**Further training opportunities**

POCUS (Point of Care Ultrasound)

i3EM training days and further PEM education - see www.oxfordemergencymedicine.com

**Contact details for unit**

Dr Moya Dawson - myoa.dawson@ouh.nhs.uk

Secretary Pauline Robey, pauline.robey@ouh.nhs.uk, 01865 222060

**Curriculum**

Each sub-specialty grid programme covers the RCPCH curriculum as specified on the RCPCH website: [http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum](http://www.rcpch.ac.uk/training-examinations-professional-development/quality-training/curriculum/curriculum)
## Wales

### Rotation 1

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<th>Placement Name</th>
<th>Duration (Months)</th>
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<td>Emergency Medicine with secondments</td>
<td>18</td>
<td>Hannah Murch</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:hannah.murch@wales.nhs.uk">hannah.murch@wales.nhs.uk</a></td>
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<tr>
<td>Noah's Ark Children's Hospital for Wales</td>
<td>PCC</td>
<td>6</td>
<td>Siva Oruganti</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:siva.oruganti@wales.nhs.uk">siva.oruganti@wales.nhs.uk</a></td>
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### Rotation 2

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<td>Emergency Medicine with secondments</td>
<td>18</td>
<td>Zoe Roberts</td>
</tr>
<tr>
<td></td>
<td></td>
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<td><a href="mailto:Zoe.roberts@wales.nhs.uk">Zoe.roberts@wales.nhs.uk</a></td>
</tr>
<tr>
<td>University Hospital for Wales, Cardiff</td>
<td>PICU</td>
<td>6</td>
<td>Helen Fardy</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><a href="mailto:Helen.fardy@wales.nhs.uk">Helen.fardy@wales.nhs.uk</a></td>
</tr>
</tbody>
</table>

### Additional Information:
The Paediatric Emergency Medicine Rotation in Wales is a 2 year programme that includes 18 months in the Emergency Department in the University Hospital of Wales, during which time the trainee will be allocated sessions in General Surgery and Orthopaedics as well as 6 months on the Paediatric Intensive care unit. All posts are based at the University of Wales Hospital, Cardiff.
Sub-specialty: Emergency Medicine

Base Unit: University Hospital of Wales, Cardiff

Deaneries involved: Wales

Outline of Programme:

The Paediatric Emergency Medicine rotation in Wales is a 2-year programme that includes 18 months in the Emergency Department in the University Hospital of Wales, during which time the trainee will be allocated formal secondment time to undertake additional competencies, as well as six months spent on the Paediatric Critical Care unit. All posts are based at the University of Wales Hospital, Cardiff.

Departmental Information:

Demographics:
The Emergency Unit at UHW is the only one in Cardiff and serves a nominal catchment population of well over 400,000. The hospital is the main teaching hospital of Cardiff University School of Medicine and by virtue of the various regional and supra-regional specialities, tends to attract patients from a much wider area. There are ongoing discussions with regards development of the current Paediatric ED footprint, which has been rapidly outgrown, with plans for a purpose-built, separately staffed single point of entry for all acute presentations, increasing throughput to over 40,000 patients per year. With a reconfiguration of acute services across South Wales, UHW has also been designated the Major Trauma Centre for South and Mid Wales which is due to go live in April 2020.

There are approximately 120,000 attendances seen a year within the ED, of which over 35,000 of them are children. There is a dedicated paediatric emergency department that operates 24 hours a day, seven days a week and is situated adjacent to the adult ED. Within the on-site Children's Hospital for Wales, there is an acute assessment unit for all GP expected and 'Open Access' patients. There is a large secondary in- and out-patient general paediatric service, including paediatric intensive care and retrieval service. Tertiary paediatric medical services include haematology/oncology, gastroenterology, neurology, cardiology endocrinology and respiratory. Surgical services include paediatric and neonatal surgery, neurosurgery, ENT, trauma and orthopaedics, anaesthetics, ophthalmology, dental and maxillofacial.

Team:
There are 4.6 WTE Consultant in PEM with cross-cover from the adult ED physicians (total 12), 1 Senior Specialty doctor, 2 Specialist Registrars, 2-3 ST3 in Emergency Medicine, 1 ST6 in Paediatrics, 5 Clinical Fellows, 3 Specialty Doctors, 0.8 Clinical Assistants, 15 F2 / ST doctors, 1 F1 doctor. The nursing team consists of 15 paediatric nurses, 3 ENPs and 1 Play Specialist.

Supervisor(s): Consultants in Paediatric Emergency Medicine
Dr Hannah Murch – (contact)
Dr Nikola Creasey
Dr Sara Edwards
Dr Jeff Morgan
Dr Zoe Roberts

Clinical Training Responsibilities:
The training program within the EU is designed to ensure that all trainees attain and are confident in the competencies as set out in the RCPCH/CEM Paediatric Emergency
Programme Description 2020

Medicine curriculum. The post offers experience in all aspects of emergency medicine, including clinical and managerial roles. Patient care is delivered directly, and supervision of junior colleagues expected. The post holder would be enabled to manage clinical activity in the department, take a lead role in resuscitation situations and attend/Chair the weekly safeguarding review meeting.

Each trainee will also have the opportunity to undertake planned secondment time in order to achieve the PEM curriculum. These may include the surgical specialities (general surgery, trauma & orthopaedics, ophthalmology, ENT etc) as well as areas of interest based on previous experience as identified by the trainee (e.g. adolescent health, sexual health, mental health etc). This may include attending clinics, theatre, managing referrals and overseeing ward patients, in addition to attendance at meetings and teaching as organised by the team.

Workload/Rota Arrangements/Example Timetable:

Rota for EM: full shift, band 1A, average of 40 hours per week (1 in 4 weekends, 1 in 4 late shifts).

Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

There is an expectation for trainees to be involved in audit, clinical guideline and service development. All trainees are expected to work towards presenting work at one of the annual national meetings and are fully supported in this. With the recent appointment of additional paediatric EM consultants, participation in local and national research is now actively undertaken. The post holder will be involved in the teaching and supervision of medical students, junior colleagues and nursing staff. There are many opportunities for teaching, both undergraduate and postgraduate, both locally and regionally and with close links to Cardiff University, trainees are actively encouraged to assist with the running of the paediatric module on the Emergency Medicine BSc. Management experience is encouraged including critical incidents, complaint handling, rota responsibility, lead roles and project management.

Further Training Opportunities:

The department has an active teaching programme with weekly formal dedicated PEM teaching and monthly radiology and quality & safety meetings, plus joint education/reflection sessions with PICU. A monthly ‘Wellness Wednesday’ has also recently been introduced which has been well received.

There are strong links with the adult department and Children's Hospital, providing further learning opportunities within the Trust.

Any Further Information:

As the capital of the most beautiful part of the world, Cardiff is a busy, vibrant city with plenty of culture, shopping, sights to explore and sporting opportunities. It is a fantastic place to live and work.

Contact details for Unit:

Hannah Murch: hannah.murch@wales.nhs.uk Tel: 02920 748004

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties.
Sub-specialty: Emergency Medicine - PCC component
Base Unit: Paediatric Critical Care (PCC), Noah's Ark Children's Hospital for Wales, UHW, Cardiff
Deaneries involved: Wales

Outline of Programme:

The Paediatric Emergency Medicine rotation in Wales is a 2-year programme that includes 18 months in the Emergency Department in the University Hospital of Wales, during which time the trainee will be allocated formal secondment time to undertake additional competencies, as well as six months spent on the Paediatric Critical Care unit. All posts are based at the University of Wales Hospital, Cardiff. This is the job description for the Paediatric Critical Care component.

Departmental Information:

Demographics:
The lead centre for Paediatric Intensive Care for South Wales was commissioned in September 1999 at the University Hospital of Wales by the Specialised Health Service Commission for Wales (SHSCW). The Unit was built on existing services which had been providing paediatric cardiology and cardiac surgery since the early 1990’s. It has been an outstanding success and has benchmarked well using the SMR in PICANet. With the opening of the new Children’s hospital in 2015, the high dependency unit and the critical care unit were integrated in to the paediatric critical care unit commissioned for 7 intensive care beds and 4 high dependency beds.

Paediatric critical care provides a specialised environment in which critically ill and injured children receive level 2 and 3 support. The PICU and the HDU support the paediatric general medical and specialty services within the hospital. The patients include children with respiratory, cardiac, surgical, neurological, trauma, sepsis and metabolic problems. The PICU in Cardiff is able to offer children full supportive treatment, with the exception of ECMO, and regularly provides a high level of care including HFOV, inotropic support and CVVH, with the facility to use nitric oxide. Even though children requiring cardiac surgery are referred to either Bristol or Birmingham, there are patients with cardiac conditions with intercurrent illnesses managed in the PICU in Cardiff.

The Wales and West Acute Transport service for Children (WATCh) is a standalone retrieval service which has been commissioned for transport of critically unwell children to the respective intensive care units from Wales and the south west of England.

Team:

There are 7 consultants in Paediatric Intensive Care Medicine who contribute to the 24/7 cover of the unit and retrieval service. They are supported by the multi-disciplinary team comprising of trained critical care nurses, physiotherapists, dietitians and dedicated pharmacist.

Supervisor(s):

Dr Michelle Jardine  Lead Clinician and Consultant in Paediatric Intensive Care
Dr Helen Fardy      Consultant in Paediatric Intensive Care
Dr Malcolm Gajraj   Consultant in Paediatric Intensive Care
Dr Rim Al-Samsam   Consultant in Paediatric Intensive Care
Dr Allan Wardhaugh  Consultant in Paediatric Intensive Care
Dr Richard Skone    Consultant in Paediatric Intensive Care and Anaesthesia
Dr Siva Oruganti    Consultant in Paediatric Intensive Care
Clinical Training Responsibilities:

It is envisaged that the post holder will work as part of the paediatric critical care middle grade team, covering the unit on an 8 person rota.

Some of the responsibilities include assessment and management of critically unwell children as part of the initial admission of the patient to the PCCU as well as the daily presentation at handover. Middle grades are expected to perform practical procedures including basic airway management in an emergency, peripheral and central venous access. There is support from the in-house anaesthetic team available 24 hours a day and 7 days a week. Even though it is not expected that all middle grades would be performing procedures such as intubation, central venous access and chest drains, any trainee who is interested to learn these skills is encouraged to do so in a safe and controlled environment. Good record keeping including up to date investigation results for all patients is an important aspect of work in PCCU. Candidates will be expected to be able to communicate with the team as well as the patient’s family.

It is not unusual that trainees find the work in PCCU a steep learning curve, but they find that they are well supported as the service is Consultant led with at least 3 Consultant led ward rounds when all patients are assessed, and management plans provided. All paediatric subspecialties are represented within the hospital, apart from cardiac surgery, thus enabling a wide range of pathologies to be seen and treated.

Workload/Rota Arrangements/Example Timetable:

The post holder will work as part of the paediatric critical care middle grade team, covering the unit on an 8 person rota. The full study leave and annual leave allocation is worked into the rota, with trainees able to swap according to their requirements. All Junior Doctor posts in the UHB are compliant with the New Deal and the European Working Time Directive.

Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

The PICU is involved in multi-centre observational and/or randomised trials at any time. It is expected that trainees take an active part in the recruitment of research participants, research information sharing and reporting of relevant data if necessary. Adequate training will be provided to all staff before enrolling on research delegation logs. Any individual research projects will be encouraged.

Trainees are expected to undertake a Quality Improvement Project during their placement.

There is a weekly in-house teaching programme on the unit in addition to Paediatric Departmental teaching sessions. Trainees are encouraged to contribute to the nursing teaching programmes, the paediatric simulation programme and to teach medical students.

There are opportunities to become involved in risk management and the mortality and morbidity programme.

Further Training Opportunities:

There are opportunities to become involved in regional feedback meetings with the referring hospitals. Within the Critical Care Network.

Airway management sessions can also be arranged with the Department of Anaesthesia.
Contact details for Unit:

Siva Oruganti
Tel: 02920746423
E-mail: siva.oruganti@wales.nhs.uk

Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties.
# Wessex

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<th>Placement Name</th>
<th>Duration (Months)</th>
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<tr>
<td>Queen Alexandra Hospital, Portsmouth</td>
<td>PEM / subspecialties</td>
<td>12</td>
<td>Dr Darren Ranasinghe <a href="mailto:darren.ranasinghe@porthosp.nhs.uk">darren.ranasinghe@porthosp.nhs.uk</a></td>
<td>C</td>
<td>Y</td>
</tr>
<tr>
<td>University Hospital Southampton</td>
<td>PICU</td>
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<td>Dr Phil Hyde</td>
<td>C</td>
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<tr>
<td>University Hospital Southampton</td>
<td>PEM</td>
<td>6</td>
<td>Dr David James</td>
<td>C</td>
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</tbody>
</table>
Sub-specialty: Paediatric Emergency Medicine
Base Unit: Queen Alexandra Hospital Portsmouth
Deaneries involved: Wessex

Outline of Programme:

The Emergency placement will be split between the Paediatric ED at Portsmouth and Southampton which will include out of hours cover to the ED, but also some release during the day to achieve all surgical, orthopaedic and subspecialty competencies, including ENT, maxillofacial surgery, eye casualty, burns, and plastic surgery. There will also be a Paediatric Intensive Care placement at Southampton.

Departmental Information:

Demographics:

Portsmouth Hospital sees over 120,000 patients per year and up to 30,000 children per year. All ages of children are seen by the plastics and orthopaedic teams and children up to 5 years of age by the surgical team. Portsmouth is a Trauma unit and has strong military links. QAH has a full range of surgical specialties all of whom see children including ENT, gynaecology, orthopaedics, plastics, ophthalmology and eye casualty. There are also a number of paediatric specialty clinics such as dermatology and rheumatology that trainees are encouraged to attend.

University Hospital Southampton is a regional tertiary referral hospital. The emergency department sees over 100,000 patients per year of which 25% are children. Southampton is designated as the adult and paediatric major trauma centre for the region.

Team:

Portsmouth site
- Dr David Patel (Consultant PEM) Lead Clinician
- Dr Darren Ranasinghe (Consultant PEM) Safeguarding and Mental Health Lead
- Dr Serena Cottrell (Consultant PEM)
- Dr Alan Charters (Nurse Consultant PEM PhD)
- Dr Simon Birch (Consultant Paediatrician with an interest in PEM)
- Dr Sebastien Austin (Consultant Paediatrician with an interest in PEM)
- Dr Jo Rowlinson (Consultant PEM + EM)
- Dr Chris Vorwerk (Consultant PEM + EM)
- Dr Matt Chandy (Consultant PEM + EM)
- Dr Claire Germaine (Consultant PEM + EM)
- Dr Sarah Herbert (Consultant PEM + EM)

There is also a large team of adult emergency consultants all of whom are directly responsible for the care of children when a paediatric emergency medicine consultant is not on site.

Supervisor(s):
- Dr David Patel
- Dr Darren Ranasinghe
- Dr Serena Cottrell
Clinical Training Responsibilities:

The post holder will be expected to maintain their ePortfolio, mapped to PEM competencies. They will be supported in this by regular meetings with their educational supervisor, even whilst on secondment. They will be expected to supervise junior members of medical and nursing staff and medical students. They will be supported by a team of PEM consultants, adult consultants, paediatric consultants and ENPs.

Workload / Rota Arrangements / Example Timetable:

There is currently flexibility with the rota. The rota is an emergency department approved rota and as such includes mid shifts (1230-2200), twilight shifts (1545-0145) and 1 in 3 weekends. The rota will be reviewed regularly and may be subject to change. There are no night shifts and the majority of out of hours cover is in the paediatric emergency department.

A large proportion of the day shifts will be supernumerary, and it will be flexible to attend clinics and achieve surgical competencies. There will also be the opportunity to shadow the surgical teams on call. During this time trainees are encouraged to attend placements at other hospitals in the region e.g. the Burns Unit in Salisbury. Additionally, trainees have found it useful to do 1 shift a fortnight in our Children's Assessment Unit.

Example timetable

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</table>

Non-Clinical Training Responsibilities (expectations of research / audit / teaching):

Trainees will be expected to be involved in managing governance aspects of the department, including monitoring of results and keeping the electronic emergency department screen up to date. In particular they will be expected to monitor all of their own results and results of cases they have reviewed with junior staff.

They will be expected to participate in an audit or quality improvement project and will have two days a month for personal development. Trainees will be expected to actively recruit into trials running within the department.
Programme Description 2020

**Contact Details for Unit:**

Darren Ranasinghe  
Email: darren.ranasinghe@porthosp.nhs.uk

**Curriculum:**

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties.
Outline of Programme:

Paediatric Intensive Care is in a purpose-built unit delivering the whole spectrum of critical care. 14 Paediatric Intensive Care beds are fully operational. The unit admits 1000 children per year and provides PICU services for the Wessex Region and tertiary support services for Paediatric Cardiology, Neurology, Nephrology, Paediatric Surgery, ENT, Respiratory, ID, Oncology and Neurosurgery.

The unit has the facility to look after children requiring advanced respiratory support including inhaled nitric oxide, high frequency oscillation and ECMO. There is a fully operational transport team, the Southampton Oxford Retrieval Team (SORT) that provides a regional retrieval service for the joint Oxford/Southampton area.

Departmental Information:

Demographics:

The department covers the Wessex region and Thames Valley for cardiac cases and retrieval.

The Department is run by 10 PICU Consultants, some of whom work part time. Additional consultant input is provided by consultants from the sub-specialist teams. Middle grade cover is provided by 12 trainees who are from an anaesthetic or paediatric background. There are also 5 ST1-3s from paediatrics or emergency medicine. The junior doctors provide cover as part of the full shift system.

Team:

- Dr Iain Macintosh, Director of Paediatric Intensive Care
- Dr Peter Wilson
- Dr Kim Sykes
- Dr John Pappachan
- Dr Gareth Jones
- Dr Vanessa Stanley
- Dr Phil Hyde
- Dr Ananth Ramakrishnan
- Dr Andrew Baldock
- Dr Michael Griksaitis

Supervisor(s):

- Dr Phil Hyde
- Dr Iain Macintosh

Clinical Training Responsibilities:

The fellow will be directly responsible to the Consultants on the unit for all the immediate care for all admissions to the unit. Along with the rest of the team, they will be responsible for a number of patients and be involved in all aspects of their care ranging from admission, stabilisation and provision of ongoing care. Depending on the individuals

Programme Description 2020

<table>
<thead>
<tr>
<th>Sub-specialty:</th>
<th>PICU</th>
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</thead>
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<tr>
<td>Base Unit:</td>
<td>University Hospital Southampton</td>
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<tr>
<td>Deaneries involved:</td>
<td>Wessex</td>
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</table>
experience there will be varied opportunity to extend existing experience in practical procedures to include all those that would be associated with the critical care environment, including intubation, ventilation of older children and placement of central venous and arterial lines. The fellow is expected to develop the competencies needed to be able to undertake retrievals and full training for this is provided.

In addition, the Fellow will have the opportunity to be involved in various audit or research projects.

**Workload / Rota Arrangements / Example Timetable:**

1A with prospective cover. Annual and study leave incorporated into the rota. Trainees would form part of the registrar rota.

**Weekly Timetable**

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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</thead>
<tbody>
<tr>
<td>08.30 - 09.30</td>
<td>Ward Round</td>
<td>Ward Round</td>
<td>Ward Round</td>
<td>Ward Round Paediatric Grand Round</td>
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<tr>
<td>11.00</td>
<td>CPG 1st Monday of the month</td>
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<tr>
<td>13.00</td>
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<td>Morbidity &amp; Mortality Meeting</td>
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**Non-Clinical Training Responsibilities (expectations of research / audit / teaching):**

There are formal and informal training opportunities. There is a local induction programme followed by monthly study days that over 6 months will cover a large part of the PICU curriculum. Fellows will have educational supervision from one of the consultants and will have opportunities for feedback throughout their attachment.

In addition, as part of a large mixed general PICU, there is extensive educational opportunity within the Department. At any one time it is anticipated that there will be children on the unit who have complex congenital heart disease, sepsis, trauma, neurological, respiratory or general paediatric problems. During the six-month attachment ample opportunity exists for trainees in paediatrics to gain experience in the
Programme Description 2020

full range of practical procedures of the initial management of children with life threatening conditions.

The work is Consultant led but fellows are still encouraged to make complex decisions in a closely supervised fashion.

They can consolidate their paediatric experience gained from their basic paediatric training. The environment is suitable to undertake audit projects and simple research projects in collaboration with the SHOs and Consultants.

**Further Training Opportunities:**

Part of the PEM training rotation.

**Contact Details for Unit:**

Dr Phil Hyde

**Curriculum:**

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties).
Outline of Programme:

18 months split between Paediatric ED Portsmouth and Paediatric ED Southampton which will include out of hours cover to the ED, but also some release during the day to achieve all surgical and orthopaedic competencies, this can include burns and plastic surgery 6 months PICU - in Southampton.

Departmental Information:

Demographics:
University Hospital Southampton is a regional tertiary referral hospital and is the site for a new developing Children's Hospital. The emergency department sees over 100,000 patients per year of which 25% are children. Southampton is the designated as the adult and paediatric major trauma centre for the region.

The paediatric assessment unit (PAU) sees 6-8000 children per annum, mainly GP referrals. This department should be collocated within the emergency department within the next year.

Team:
- Dr Jason Barling (Consultant PEM)
- Dr Jane Bayreuther (Consultant PEM- Safeguarding lead)
- Dr Tonia Donnelly (Consultant PEM and EM)
- Dr Gabrielle Magnall (Consultant PEM)
- Dr Chris Hillman (Consultant PEM and EM)
- Dr David James (Consultant PEM)
- Dr Helen Rutkowska (Consultant Paediatrician)

There is also a large team of adult emergency consultants, some of whom are also dual accredited, but all of whom are directly responsible for the care of children when a paediatric emergency medicine consultant is not on site

Supervisor(s):
- Dr Jason Barling
- Dr Gabrielle Magnall
- Dr Jane Bayreuther
- Dr Helen Rutkowska
- Dr David James

Clinical Training Responsibilities:

The post holder will be expected to maintain their ePortfolio, mapped to PEM competencies. They will be supported in this by regular meetings with their educational supervisor, even whilst on secondment. They will be expected to supervise junior members of medical and nursing staff and medical students. They will be supported by a team of PEM consultants, adult consultants, paediatric consultants and ENPs. They will have exposure to all aspects of paediatric care from major trauma and illness, through to minor wound care and minor ailments.
Workload / Rota Arrangements / Example Timetable:

There is currently flexibility with the rota. The rota is an emergency department approved rota and as such includes, day shifts twilight shifts (17-03) and 1 in 3 weekends. The rota will be reviewed regularly and is will be subject to change. There are currently no night shifts and all out of hours cover is in the paediatric emergency department, night shifts will be included once there is a collocated short stay This is due to open early 2019. PD shifts are for personal development and should be every month.

Example timetable

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</table>

Non-Clinical Training Responsibilities (expectations of research / audit / teaching):

Trainees will be expected to be involved in managing governance aspects of the department, including monitoring of results and keeping the electronic emergency department screen up to date. In particular they will be expected to monitor all of their own results and results of cases they have reviewed with junior staff. They will be expected to participate in an audit or quality improvement project and will have two days a month for personal development. Trainees will be expected to actively recruit into trials running within the department. Wessex is well regarding for its work on quality improvement projects. There is scope for guideline development and contributing to simulation training. There are many regional training days, free to trainees in the region - thoracotomy course, paediatric trauma course and a difficult paediatric airway course amongst the highlights.

Any Further Information:

In 2019-20, there may be opportunity to be involved with ongoing work on relocating the current paediatric emergency department into a new area with the need to adjust clinical cover and governance of the area.

Contact Details for Unit:

Jason Barling: jason.barling@uhs.nhs.uk

Jane Bayreuther: jane.bayreuther@uhs.nhs.uk

Gabrielle Magnall: gabrielle.magnall@uhs.nhs.uk

Curriculum: Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties.
## West Midlands

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<th>Duration (Months)</th>
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<tr>
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<td>Paediatric Emergency Medicine</td>
<td>18</td>
<td>Dr Chris Bird <a href="mailto:christopher.bird2@nhs.net">christopher.bird2@nhs.net</a></td>
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<tr>
<td>Birmingham Children’s Hospital, Birmingham Women’s and Children’s NHS Foundation Trust</td>
<td>Paediatric Intensive Care</td>
<td>6</td>
<td>Dr Afeda Ali <a href="mailto:afeda.mohamedali@nhs.net">afeda.mohamedali@nhs.net</a></td>
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**Additional Information:**
18 months of PEM to include 6 months of surgical secondments including plastic surgery, orthopaedics and paediatric surgery.
Sub-specialty: Paediatric Emergency Medicine (PEM)

Base Unit: Birmingham Children’s Hospital

Deaneries involved: Health Education West Midlands

Outline of Programme:

This is a 2 year grid training programme in PEM which includes 12 months of PEM, 6 months secondment to surgical specialties (Orthopaedics, Plastics, General Surgery, Neurosurgery) and 6 months of Paediatric Intensive Care Medicine.

Departmental Information:

Demographics:

This dedicated Children’s Emergency Department is one of the busiest in Europe, seeing over 60,000 children a year, with approximately 60 percent medical cases and 40% trauma and minor injuries - the ED is also the region’s designated Children's Major Trauma Centre. The hospital serves an area with one of the highest deprivation scores in the country.

The department, located at a tertiary children's hospital, is well supported by the many surgical and medical specialties and with the recent joining of Birmingham Women's Hospital means that all specialties are located at a single Trust (Birmingham Women's and Children's NHS Foundation Trust).

The clinical variety is second to none and the post is well supported with consultant shop-floor presence from 08:00- midnight daily and a PEM consultant on-call overnight. Allied to this are exciting developments in education, quality improvement, digital health, trauma and research, with the hospital active in several NIHR and PERUKI (Paediatric Emergency Research in the UK and Ireland) network studies.

Facilities include a 3-bed resuscitation area as well as a minor injuries area, a recently expanded urgent GP referral unit and a 6-bedded observation unit. The ED also regularly performs procedural sedation.

Team:

There are 9 wte Consultants in Paediatric Emergency Medicine, soon to expand to 10 wte. There are 10 middle grade doctors including RCPCH Grid trainees and RCEM PEM subspecialty trainees and 9 ST2-3 trainees. The department is also supported by paediatric ANPs and ENPs. The department has had recent approval to expand the number of middle grade posts and for fellowships for post-CCT GPs to both train and improve clinical pathways in the department.

Supervisor(s):

The Clinical Lead is Dr Bridget Wilson and the lead for the PEM Grid Program is Dr Chris Bird. Each trainee is allocated a consultant educational supervisor. New trainees starting their rotation undergo a mandatory trainee induction before commencing clinical duties.
**Clinical Training Responsibilities:**

Trainees will be assessed as set out by the RCPCH curriculum for PEM and will meet with their Educational Supervisor on a regular basis. You will be given a more senior role with supervisory responsibilities, administrative and managerial experience as you progress through. Participation in research is highly encouraged.

**Workload/Rota Arrangements/Example Timetable:**

The shift pattern will be full shift with 1:4 weekends - the same weekend cover for ED pertains during the 6 month secondment period.

**Non-Clinical Training Responsibilities (expectations of research/audit/teaching):**

**Teaching**

In addition to regular resuscitation and trauma scenario training, the ED teaching programme provides 2 hours of weekly protected teaching. The trainee is also welcome to attend the Wednesday afternoon West Midlands Emergency Medicine teaching program while on secondment, if the presentations are felt to be relevant. Trainees will also attend the annual national PEM trainee conference, usually held in July each year. They are also encouraged to attend the active teaching program that exists within the wider hospital.

**Research**

There is an active ED research programme, led by Dr Stuart Hartshorn, and trainees will receive study-specific training to allow them to contribute to patient recruitment into studies. Trainee-directed research projects are also encouraged and supported. Protected research and audit time is incorporated into the rota.

**Further Training Opportunities:**

With the expansion of the service, the Emergency Department is also looking to develop its Trauma, Education, Quality Improvement and Digital Health services. The department would welcome any trainees who would be interested in either supporting or developing their own projects in these areas.

The programme also includes 6 months of Paediatric Intensive Care Medicine (see the specialty’s NTN Grid entry for more information on the department. The post is supervised by Dr Afeda Ali, Paediatric Intensive Care Consultant, afeda.mohamedali@nhs.net

**Contact details for Unit:**

For further information please contact Dr Chris Bird, 0121 333 9515, christopher.bird2@nhs.net

**Curriculum:** each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties
Sub-specialty:  
Paediatric Emergency Medicine – Paediatric Intensive Care Medicine (PICM)

Base Unit:  
Birmingham Children's Hospital

Deaneries involved:  
Health Education West Midlands

Outline of Programme:

This 6 month placement forms part of the 2-year grid training programme in Paediatric Emergency Medicine. The Unit is approved to train specialists in Paediatric Intensive Care Medicine and is able to provide complete training in all competencies required by ICTPICM.

Departmental Information:

Demographics:

BCH is the principal (Lead Centre) multi-disciplinary PICU for the population of the West Midlands. The Unit provides a spacious and comfortable working environment with a capacity of 31 beds. The PICU has a high patient throughput with 1400 admissions per annum and provides facilities for an extensive paediatric cardiology and cardiac surgical programme, regional paediatic trauma, burns, neuro and craniofacial surgery, neonatal paediatric surgery, airway and ENT surgery, as well as general and specialist paediatric medical subspecialities. The latter include hepatobiliary medicine and surgery (including liver transplantation), haematology and oncology, neurology, nephrology, respiratory, endocrinology and metabolic disease. There is a comprehensive range of specialist support services such as radiology (including CT and MRI), bronchoscopy and endoscopy. The hospital houses a regional transport service (KIDSNTS) receiving 2400 referrals annually of which about 70% are retrieved.

Team:

There are 23 wte Consultant Paediatric Intensivists. Trainees cover to the PICU currently compromises 4 National Grid trainees, 3 West Midlands Paediatric StRs (1 HDU SPIN), 2 West Midlands Anaesthetic StRs, 2 Adult ICM trainees, 15 Clinical Fellows and 6 ANPs.

Supervisor(s):

The Clinical Lead is Dr Adrian Plunkett and the Lead for the Paediatric Critical Care Program is Dr Intikhab Zafurallah. Each trainee is allocated a consultant education supervisor. New trainees starting their rotation, undergo a mandatory trainee induction before commencing clinical duties.

Clinical Training Responsibilities:

Trainees will be assessed as set out by ICTPICM and the relevant Royal College and will meet with their Educational Supervisor on a regular basis. You will be given a more senior role with supervisory responsibilities, administrative and managerial experience as you progress through. Participation in research is highly encouraged.
**Workload/Rota Arrangements/Example Timetable:**

Clinical commitments for the intensive care trainees are exclusively on the PICU and the KIDSNTS transport service, and working hours are within current task force guidelines. A flexible rota is in place and tries to accommodate all off duty requests, study leave and deanery study days.

The rota allows for a minimum of 7-8 trainees (including ANPs) to cover the PICU/KIDSNTS during normal working hours, with a minimum of 6 trainees present at all other times (including out of hours) on the PICU. There are obligatory periods of night duty. Trainees are responsible for coordinating all aspects of patient care in the PICU, which includes routine ward duties as well as participation in the management of both routine and emergency admissions to the Unit. Comprehensive 24 hours supervision and support is provided by the 23 WTE Consultant Intensive Care medical staff.

**Non-Clinical Training Responsibilities (expectations of research/audit/teaching):**

**Teaching**

The PICU runs a programme of teaching comprising daily protected teaching backgrounds (composed of training through simulation, cases based seminars, journal club, radiology rounds, parallel planning meetings) and twice monthly themed teaching days to cover the RCPCH curriculum in PICM. In addition, trainees are expected to actively participate in monthly Morbidity and Mortality review and tripicu conferences with other national PIC Grid centres. They are also encouraged to attend the active teaching program that exists within the wider hospital.

**Research**

You will be encouraged to participate in PICU research/audit, either in developing an existing proposal or in developing your own ideas at the monthly research meetings. The department maintains a high level of academic activity. This has included a diversity of audit and research projects in intensive care and allied disciplines.

**Further Training Opportunities:**

A link has been established with a regional anaesthetic department to allow paediatric trainees with no previous anaesthetic experience to receive airway experience. They will also be exposed to paediatric retrieval through KIDSNTS.

**Contact details for Unit:**

For further information please contact Dr Intikhab Zafurallah (Zaf) 012133339697
Intikhab.Zafurallah@nhs.net

**Curriculum:** Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties
Yorkshire and Humber

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<th>Compulsory (C)</th>
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<td>Hull Royal Infirmary</td>
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<td>Liz Herrieven <a href="mailto:elizabeth.herrieven@hey.nhs.uk">elizabeth.herrieven@hey.nhs.uk</a></td>
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<tr>
<td>Leeds General Infirmary</td>
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<td>Colin Holton <a href="mailto:Colin.holton@nhs.net">Colin.holton@nhs.net</a></td>
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<td>Leeds General Infirmary</td>
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<td>Michael Dawrant <a href="mailto:m.dawrant@nhs.net">m.dawrant@nhs.net</a></td>
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<td>Leeds General Infirmary</td>
<td>Paediatric Intensive Care</td>
<td>6</td>
<td>Tim Haywood <a href="mailto:t.haywood@nhs.net">t.haywood@nhs.net</a></td>
<td>C</td>
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<td>Y</td>
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**Additional Information:**
Based on paediatric ED, Day release (on non-clinical days) to undertake non-clinical activities (audit/QIP/teaching & training) and/or attend specialist clinics.
**Sub-specialty:** Paediatric Emergency Medicine

**Base Unit:** Hull University Teaching Hospitals NHS Trust

**Deaneries involved:** Yorkshire and Humber

**Outline of Programme:**

Paediatric Emergency Medicine Sub-specialty training: 12 months GRID post based in Paediatric ED, Hull Royal Infirmary (Hull) which is a PEM Training ED.

The programme aims at supporting the trainee to develop and meet RCPCH/RCEM PEM curriculum requirements and learning objectives for both clinical and non-clinical competencies.

**Departmental Information:**

- **Demographics:**
  Paediatric ED part of the larger general ED, with its own purpose-built accommodation. 28,000 children attending per year. Major trauma unit, part of Yorkshire and Humber Major Trauma Network. 24/7 access to radiology and lab services, mental health services and paediatric assessment unit. Onsite surgical specialties including paediatric surgery, orthopaedics, neurosurgery and plastic surgery. 4-bedded PHDU – flexible to 6. The ED itself has 2 resus bays and 11 clinical rooms. Staffed 24/7 by paediatric ED nursing staff. Close working relationship with the larger general ED. Department active in research and education with opportunities for senior trainees to take part in these and other managerial activities.

- **Team:**
  Paediatric ED staffed by paediatric nursing staff and play specialist. 2.5 WTE PEM consultants with a vacancy for one further (currently being advertised). 6 PEM ST3 (EM) and 1 PEM ST3 (paediatric) doctor currently, plus support from staff on main ED rota, including F2, ST1-6, consultants, ACPs and NPs.

- **Supervisor(s):**
  Clinical and educational supervision provided by one of the 2.5 WTE PEM consultants. Of these, one consultant has a CCT in paediatrics and works across the paediatric and paediatric emergency departments. Two consultants are based in the ED, working across adult and paediatric areas.
Clinical Training Responsibilities:

**Supervisors (ES/CS):**
- Ensure the working environment is conducive to learning
- Support trainee (clinical, leadership and pastoral)
- Liaise with subspecialties to facilitate days placements where needed (e.g. Fracture clinic, plastic trauma clinic, paediatric specialist clinics)

**Trainees:**
- Day to day management of children and young people presenting or referred to ED, including resus and trauma cases
- Team work (ED peers & senior colleagues, nursing staff, ACPs, Paediatric colleagues)
- Ensure SLE’s are undertaken regularly as per RCEM curriculum
- Develop leadership skills with support from ES and CS
- Ensure e-Portfolio is up to date

Non-Clinical Training Responsibilities (expectations of research/audit/teaching):

The ED at HUTH NHS Trust is active in research, being part of the PERUKI network. Senior trainees are expected to be involved in research projects, under the supervision of the local PI and working with our full time ED research nurse. All trainees are expected to undertake audits within the department. Quality Improvement Projects are encouraged and fully supported by the senior team.

Higher trainees have non-clinical day per week to spend on study, audit, research, etc. Attendance at relevant clinics, theatre lists, HDU ward rounds, etc is encouraged and supported where possible. Regional teaching sessions and attendance at national courses and conferences is supported. Departmental teaching comprises shop floor sessions led by the rostered Clinical Educators, bitesized teaching sessions, seminar room teaching (weekly for all grades) and monthly M&M meetings. Senior trainees are expected to be involved in leading and delivering teaching to all grades of junior doctors, ACPs, nurses and HYMS medical and PA students. This will include joining the faculty to deliver the Regional HEE CT3 (PEM) Simulation training in Hull and contributing to in-situ paediatric ED simulation training sessions.

The department also has a strong reputation for involvement in teaching and training through free online open access medical education including RCEMlearning.

If the trainee is a life support course instructor, they will be supported to instruct on APLS/EPALS, as needed.

Further Training Opportunities:

Trainers within the department are able to support safeguarding and ultrasound training. Other training opportunities as listed above.
Any further Information:

The programme will ensure there is enough flexibility to accommodate trainees own PDP (areas of interest).

Contact details for Unit:

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<tr>
<th>Telephone:</th>
<th>ED secretaries 01482 816673</th>
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<tbody>
<tr>
<td>E-mail:</td>
<td><a href="mailto:elizabeth.herrieven@hey.nhs.uk">elizabeth.herrieven@hey.nhs.uk</a> Dr E Herrieven, PEM lead and TPD for EM HEEY&amp;H East</td>
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Curriculum:

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties)
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<td>Deaneries involved:</td>
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**Outline of Programme:**

3 month attachment to Paediatric Orthopaedics at Leeds General Infirmary during PEM placement.

Experience/Exposure to trauma and elective paediatric Orthopaedic practice in a busy tertiary referral unit.

Clinical experience would include:

- Daily consultant led ward rounds
- General trauma and elective clinics
- Specialist elective clinics - Baby feet and hip conditions, limb reconstruction and Neuromuscular disease
- Trauma and elective theatre sessions
- Weekly MDT - Paediatric Orthopaedics and Radiology involvement
- Fortnightly teaching programme in Paediatric Orthopaedics
- Monthly - specialist MDT in Paediatric bone and joint infection - Orthopaedics/Radiology/Paeds Medicine & Microbiology

**Departmental Information:**

- **Demographics:**
  Based at the LGI - daily trauma meeting at B41 Clarendon wing from 8am. Daily ward round - ward 41 from 8:15 - 9. Mixture of elective and trauma clinic/theatre sessions based in LGI from 9-6pm.

- **Team:**
  6 Paediatric Orthopaedic consultants
  4 Paediatric Orthopaedic HST StRs
  1 Paediatric Orthopaedic post CCT fellow
  3 Specialist Paediatric Orthopaedic nurses
  Several Specialist Paediatric Physiotherapists
  Several Specialist plaster technicians
  2 Specialist Paediatric Orthopaedic Occupational therapists

- **Supervisor(s):**
  Main - Colin Holton
  Sub-supervisors - Rest of consultant team (Ms Bryant/Ms Deriu/Mr Sabouni and Mr Foster)
**Clinical Training Responsibilities:**

Supernumerary to departmental service requirements to allow maximum training opportunities.

Ideally the trainee would use opportunities to train junior orthopaedic doctors on paediatric medical conditions and practical procedures such as cannulation and blood sample collection.

**Workload/Rota Arrangements/Example Timetable:**

No Orthopaedic on call (although would have opportunity to shadow StR HST on call if requested)

On call will be undertaken in general paediatrics 1 in 8 rota.

Daily commitments between 8-6pm depending on dates given by trainee - Orthopaedic rota coordinator would assign supernumerary commitments to gain maximum Paediatric orthopaedic exposure. Weekly draft and final rota would allow time to flexibly move trainee between assigned clinic/theatre sessions.

**Non-Clinical Training Responsibilities (expectations of research/audit/teaching):**

We would expect involvement in audit when attached to the department and teaching as outline above to junior orthopaedic staff.

**Further Training Opportunities:**

As outlined above - to gain exposure to general and specialist Paediatric orthopaedics in the acute and elective setting.

**Contact details for Unit:**

<table>
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<tr>
<th>Telephone:</th>
<th>0113 392 5913 (Nita Howley - sec to Mr Colin Holton)</th>
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<td>E-mail:</td>
<td><a href="mailto:Nita.howley@nhs.net">Nita.howley@nhs.net</a> (sec to Mr Colin Holton)</td>
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**Curriculum:**

Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties)
Sub-specialty: Paediatric Intensive Care Medicine

Base Unit: Leeds Children's Hospital (Leeds General Infirmary)

Deaneries involved: Yorkshire and Humber Deanery

Outline of Programme:

Six month placement as part of 2 year Paediatric emergency medicine Post with first year in PEM in Hull followed by 6 months split between paediatric orthopaedics and surgery (on call in general paediatrics) and then 6 months in PICU based in Leeds Children's Hospital, Leeds General Infirmary. The PICU in Leeds admits approximately 800 children per year with over 80% requiring respiratory support. The PICU provides care for children requiring the full range of medical and surgical specialities including surgery for congenital heart disease (~40% of admission), neurosurgery, oncology, complex neonatal surgery, nephrology and liver surgery / transplantation. Leeds is the designated regional trauma centre.

Facilities

The PICU was opened in 1997 and has recently moved into a 20 bedded unit. The unit is located adjacent to the cardiac theatre complex and close to the Neonatal Intensive Care Unit and general surgical theatres.

Excellent facilities exist to provide high quality paediatric intensive care including Drager Evita and Sensormedics HFO ventilators, Aquarius haemodialysis / filtration systems, full ECMO support, CFAM and nitric oxide. The unit works closely with radiology, cardiology / echocardiography and pathology departments in the care of patients.

The postholder will spend 6 months attached to Embrace, the Yorkshire and Humber Infant and Children's Transport Service, that will perform inter-hospital transfers of critically ill children within the Yorkshire / Humber and North Trent region.

End of life care is an important aspect of PICU and the unit has close links with the regional children’s hospice, Martin House, including the Palliative Care Consultant attending a weekly PICU ward round.

Education

Education is considered a high priority within the PICU and this is reflected by protected teaching / study days within the shift system. There is a formal education programme organised on a Thursday which incorporates monthly Clinical Governance and Morbidity and Mortality meetings. The postholder is expected to be actively involved in audit and research within the PICU.

Office and computer facilities are provided and the hospital provides excellent postgraduate library facilities with on-line journal access.

Departmental Information:

- Demographics:
  The PICU in Leeds admits approximately 800 children per year with over 80% requiring respiratory support. The PICU provides care for children requiring the full range of medical and surgical specialities including surgery for congenital heart disease (~40% of admission and including ECMO support), neurosurgery, oncology, complex neonatal surgery and renal / liver
surgery / transplantation. The full range of sub-specialities required for PICM curriculum. The only other PICU with same range of patients as ourselves is Birmingham Children's Hospital.

- **Team:**
  
  8 consultants (1 anaesthetic, 7 paediatric background).

Leeds Children’s Hospital is a specialist regional centre with comprehensive radiology and pathology services in addition to many specialist medical and surgical team.

- **Supervisor(s):**
  
  Dr Tim Haywood Consultant Paediatric Intensivist
  
  Dr Ramesh Kumar Consultant Paediatric intensivist

**Clinical Training Responsibilities:**

The principle duties are patient review, monitoring and implementation of management plans under direct consultant supervision. The postholder is responsible for the admission and discharge of patients, including the assessment of the critically ill on the paediatric wards and in the emergency department. Liaison with other specialty teams within Leeds and with other hospitals is an important aspect of the post. Technical procedures will be supervised until competence is achieved in line with PICM requirements.

**Workload/Rota Arrangements/Example Timetable:**

The post holder will participate in a compliant 13-person single tier full shift system (Band 1a). This provides 3-4 people through the day with 2 resident night doctors.

**Non-Clinical Training Responsibilities (expectations of research/audit/teaching):**

Education is considered a high priority within the PICU and this is reflected by protected teaching / study days within the shift system. There is a formal education programme which incorporates monthly Clinical Governance and Morbidity and Mortality meetings. The postholder is expected to be actively involved in audit and research within the PICU. Office and computer facilities are provided and the hospital provides excellent postgraduate library facilities with on-line journal access.

**Further Training Opportunities:**

HDU and the children's long term ventilation service are areas of current development. End of life care is an important aspect of PICU and the unit has close links with the regional children's hospice, Martin House. Exposure to these areas will be available as part of PIC work. Weekly paediatric X-ray and ‘Grand Round’ meetings.
Any further Information:
Opportunities exist to attend meetings of allied specialities of nephrology, hepatology, respiratory, neurology, cardiology, endocrine, rheumatology and oncology.

Interested candidates are encouraged to contact Dr Tim Haywood or Dr Ramesh Kumar and are welcome to arrange an informal visit.

Contact details for Unit:

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Dr Tim Haywood or Dr Ramesh Kumar via the PICU Secretary on 0113 3928085</th>
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<tbody>
<tr>
<td>E-mail</td>
<td><a href="mailto:t.haywood@nhs.net">t.haywood@nhs.net</a></td>
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Curriculum:
Each sub-specialty Grid Programme covers the RCPCH Progress Curriculum, as specified on the RCPCH website: [https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties](https://www.rcpch.ac.uk/education-careers/careers-paediatrics/sub-specialties)