

## NTN Grid - Programme Information

### Paediatric Gastroenterology, Hepatology and Nutrition 2019

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Please find below programme information for the above sub-specialty for training programmes starting in September 2019.

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*Please note: Programme submissions can be withdrawn or amended at any point until an offer of employment has been made to an applicant.*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 7 September 2018 and close at 12 noon Friday 28 September 2018. 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 Sue Protheroe

Email: [sue.protheroe@nhs.net](mailto:sue.protheroe@nhs.net)

For further information which is not answered after consulting the website and [Grid Applicant Guide](#), please contact:

Abigail Wright

(Sub-specialty Recruitment Coordinator)

Email: [ntn.grid@rcpch.ac.uk](mailto:ntn.grid@rcpch.ac.uk)

Tel: (020) 7092 6139

## Programme Description

Maximum Number of National Training Grid Appointments that may be made in 2019 for Paediatric Gastroenterology, Hepatology and Nutrition	14
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Deanery	Programme of Training	Places available	Duration (Years)	Page
East Midlands and West Midlands	Nottingham Children's Hospital, Queen's Medical Centre, Nottingham Birmingham Children's Hospital, Birmingham	1	3	<a href="#">2</a>
East of England and London	Cambridge University Hospitals, Addenbrookes Kings College Hospital London	1	3	<a href="#">9</a>
London	Chelsea and Westminster Hospital Royal London Hospital Kings College Hospital	3	3	<a href="#">14</a>
North West	Alder Hey Children's NHS Foundation trust  Leeds General Infirmary  Manchester Children's Hospital	2	3	<a href="#">22</a>
Northern and West Midlands	Great North Children's Hospital Newcastle Birmingham Children's Hospital NHS Foundation Trust	1	3	<a href="#">28</a>
Scotland North and West Midlands	North of Scotland, Birmingham and Glasgow	1	3	<a href="#">35</a>
Severn and West Midlands	Bristol Children's Hospital and Birmingham Children's Hospital	1	3	<a href="#">43</a>
South East Scotland and West Midlands	RHC, Glasgow RHCYP, Edinburgh BCH, Birmingham	1	3	<a href="#">51</a>
Thames Valley and London	Oxford Children's Hospital, Chelsea and Westminster Hospital and King's College Hospital	1	3	<a href="#">60</a>
Wessex and London	University Hospital Southampton and NHS Trust, The Royal Free London and Kings College London	1	3	<a href="#">62</a>
West Midlands	Birmingham Children's Hospital NHS Trust	1	3	<a href="#">71</a>

# East Midlands and West Midlands

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Nottingham Children's Hospital, Queen's Medical Centre, Nottingham	Paediatric Gastroenterology, Hepatology and Nutrition	12	David.Devadason@nuh.nhs.uk	C	Y
Birmingham Children's Hospital, Birmingham	Paediatric Gastroenterology, Hepatology and Nutrition	18	Ronald.Bremner@bch.nhs.uk	C	Y
Birmingham Children's Hospital, Birmingham	Paediatric Hepatology	6	Mona.AbdelHady@bch.nhs.uk	C	Y

## Additional Information

During the 3-year program, the candidate will spend 30 months in centres specialising in Paediatric Gastroenterology including Complex Nutrition and 6 months on the Liver Unit (including Paediatric Liver transplantation).

## Programme Description

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Nottingham Children's Hospital
Deaneries involved:	East Midlands (North) /West Midlands

### Outline of Programme

September 2019: 12 months of Paediatric gastroenterology at Nottingham Children's Hospital;  
September 2020: 18 months Paediatric gastroenterology at Birmingham Children's Hospital and 6 months of Paediatric hepatology at Birmingham Children's Hospital

### Departmental Information

The Paediatric Gastroenterology, Hepatology Nutrition service based at the Queens Medical Centre, Nottingham provides comprehensive tertiary care for children and adolescents with the complete range of digestive disorders and liver disease. The department looks after patients with inflammatory bowel disease, coeliac disease, intestinal failure and has close working arrangements with 2 quaternary liver units, Leeds General Infirmary and Birmingham Children's Hospital. There are outreach clinics that are carried out within a managed clinical network. The department has benefitted from a drive for expansion over the last 5 years and has seen expansion at consultant level, expansion of the network, the establishment of dedicated liver clinics, and the setting up of a transition program. There are very strong links with the adult gastroenterology units and the department benefits from a close working relationship with the Nottingham Digestive Diseases Centre (NDDC) and the NIHR funded BRC research unit that is allied with the adult gastroenterology department.

Team: The Gastroenterology team consists of 4 Consultants, One Grid trainee and one ST 5-8 trainee, two junior trainees (FY1 and ST3), 4 (2.7 WTE) Gastroenterology Specialist Nurses, two (0.6WTE) GI investigation Nurse Specialists, one specialist pharmacist and three (2.2 WTE) Senior Specialist Dietitians. A further dedicated Nutritional Nurse Specialist post is being worked up. Clinical Psychologists and Play therapists support the team.

Supervisor(s) - Dr David Devadason; Dr Sian Kirkham; Dr Sabarinathan Loganathan

### Clinical Training Responsibilities

The trainee participates in specialist multidisciplinary activity such as clinics, daily ward rounds and specialist consults for other specialties within a children's hospital set up. There are specialised joint clinics for IBD, IBD Transition, Liver Disease, Polyposis Syndromes, Coeliac disease and Intestinal Failure/ Home PN. The inpatient service is comprehensive and receives patients from around the region with a variety of intestinal & liver disorders. The nutritional rehabilitation unit provides comprehensive nutritional care for patients requiring PN. The IBD service within the department is well established and there is an established link with the adult gastroenterology department particularly in relation to transition with plans to establish an adolescent IBD clinic for patients between the age of 16-18. Our adult colleagues take an active interest in adolescent IBD and there are shared projects currently ongoing.

### Workload / Rota Arrangements / Example Timetable

There is ample opportunity for specialised experience and the trainees have access to dedicated training clinics and training endoscopy lists. There are currently 2 weekly endoscopy lists with plans for 2 further monthly lists to be added as regular lists to the workload. The department provides a capsule endoscopy service and other investigations provided within a dedicated GI laboratory. The Gastroenterology team undertakes 9 clinics a week, 3 dedicated MDTs a week, (including Histopathology and Surgical Radiology) and participates in the Educational programme of the NDDC (complex case discussion and appraisal of literature). The trainee will participate in the out of hours rota that is fully compliant in order to allow adequate time to be spent training in the speciality.

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

The department of child health that is part of the University of Nottingham has an active academic department. There is ample support for research and plenty of opportunity to carry out both clinical and laboratory based research. Research themes currently include novel therapies in IBD, transition

## **Programme Description**

and long term follow up and the role of MRI in the evaluation of small bowel motility and disease. The trainee will be encouraged to develop a research project and to undertake a higher degree dependent on the individual needs of the trainee.

### **Further training opportunities**

The trainee has the opportunity to gain skills in specialist procedures including therapeutic endoscopy and balloon enteroscopy with dedicated lists for this purpose, and GI manometry studies.

### **Contact details for unit**

Dr David Devadason, Consultant Paediatric Gastroenterologist, [david.devadason@nuh.nhs.uk](mailto:david.devadason@nuh.nhs.uk); Dr Sabarinathan Loganathan, Consultant Paediatric Gastroenterologist, [sabarinathan.loganathan@nuh.nhs.uk](mailto:sabarinathan.loganathan@nuh.nhs.uk)

## Programme Description

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Birmingham Children's Hospital NHS Trust
Deaneries involved:	East /West Midlands

### Outline of Programme

A 2-year placement in the training programme in Departments of Gastroenterology & Nutrition (18 months) and the Liver Unit (6 months) at Birmingham Children's Hospital NHS Trust.

### Departmental Information

Birmingham Children's Hospital NHS Foundation Trust is one of only four NHS Trusts in the country specialising exclusively in the care of children and young people. It provides local general hospital and mental health services to residents of Birmingham and highly specialist care to a wider population of 5.5 million in the West Midlands and from all over the UK and Europe and is one of the leading paediatric teaching and research centres in the country.

The Hospital provides 50 Specialties and supporting departments with 360 beds (including CAMHS), 48 day beds and 31 PICU beds. A regional gastroenterology service is provided for children with acute and chronic intestinal disorders, and a supra regional service for hepatology and hepato biliary surgery including liver and intestinal transplantation.

### Teams

1. The Gastroenterology team consists of 6 Consultants, two ST 5-8 trainees, a Senior Clinical Fellow for Nutrition and Gastroenterology, two further trainees (FY2 and ST3), one Advanced Nurse Practitioner in Gastroenterology, one Gastroenterology Specialist Nurse, and three Senior Specialist Dietitians.
2. The Nutritional Care Team has three Nutritional Care nurses (one Clinical Nurse Specialist) and a family support worker who provide care for patients on Home Parenteral Nutrition.
3. The Nutrition and Intestinal Failure Team team provide dedicated support and education for teams managing patients in the Trust on Parenteral Nutrition. The trainee will spend time in this team with daily input from a dedicated Consultant on service for Nutrition plus other dedicated members, namely two PN Pharmacists, two additional senior Specialised dietitians, and a further Intestinal failure Nurse Specialist.

Supervisor(s) Dr S Protheroe, Dr R Bremner

### Clinical Training Responsibilities

The trainee participates in weekly specialist, multidisciplinary activity such as clinics, daily ward rounds (either Gastroenterology or Nutrition). There are specialised joint clinics for Transition, IBD and Liver Disease, IBD surgery, Polyposis Syndromes, Intestinal Failure/ HPN and so on. The trainee participates in the investigation and management of patients with severe or unusual disorders who may be managed by the team or different clinical teams in the Trust. Experience is offered in day and ambulatory care of children and wide experience in clinical nutrition.

### Workload / Rota Arrangements / Example Timetable

The grid trainee will share the workload with a further regional or grid trainee and a Senior Clinical Fellow. By sharing the workload into 3 rotating duties a] ward service b] nutrition service and c] ambulatory care, ample opportunities for specialised training are available. Trainees are provided with frequent access to dedicated training clinics and training endoscopy lists. The trainee participates in the Hospital at Night on call schedule to ensure a compliant rota, and this allows adequate time to spent training in the speciality. This on call system provides excellent experience in leading a clinical team to manage emergency paediatric care, including in the speciality of gastroenterology and hepatology with appropriate access to day time training opportunities. The Gastroenterology team undertakes >10 clinics and 4 dedicated endoscopy GA theatre lists / week, and cares for around 20 in-patients at a time.

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

## **Programme Description**

Participation in audit, quality improvement, research, undergraduate and postgraduate teaching and learning other skills such as management is well supported and expected. Opportunities for protected study/ research leave are provided with cross cover from colleagues and the trainee can be involved with on going research projects.

## **Further training opportunities**

The trainee has the opportunity to gain skills in specialist procedures such as diagnostic and therapeutic endoscopy, video capsule endoscopy, impedance/pH studies, breath tests and manometry

## **Contact details for unit**

Dr S. Protheroe, Consultant Paediatric gastroenterologist, Regional National Grid Coordinator,  
[sue.protheroe@bch.nhs.uk](mailto:sue.protheroe@bch.nhs.uk)

## Programme Description

Subspecialty:	Hepatology
Base Unit:	Birmingham Women's and Children's NHS Trust (BWCH)
Deaneries involved:	West Midlands

### Outline of Programme

This is a 6 months training post in hepatology at Birmingham Children's Hospital (BCH) as a part of the PGHAN grid rotation.

### Departmental Information

#### Demographics

The Liver Unit at BCH is 1of only 3 national centres for specialised paediatric liver services and transplantation. It comprises a multi-disciplinary team (MDT), which provides a supra-regional service for children with all forms of liver disease, acute liver failure and liver and small bowel transplantation. The Unit has 15 beds including a 3-bedded high dependency unit. The unit works closely with both the transplant service at the University Hospital of Birmingham (UHB), and the Department of gastroenterology and nutrition at BCH. Liver transplantation has been carried out since 1989 with a combined total of 40 liver, combined liver-kidney or liver-small-bowel transplant procedures are being carried out per year. All aspects of paediatric hepatobiliary surgery are provided and the Unit is one of only three nationally designated centres for Kasai portoenterostomy.

#### Team

6.6 Consultant Paediatric Hepatologists, 2 Consultants in Paediatric Hepatobiliary Surgery and Transplantation and 3 Consultant Transplant surgeons based at UHB; 3 level 3 trainees, 1 Level 2 trainee, Clinical research Fellow, International Clinical fellow and physician associate. MDT consisting of dieticians, physiotherapist, social and Family support workers, research & specialist nurses

The Clinical Lead is Mr Khalid Sharif and the Educational Lead is Dr Mona Abdel-Hady .

### Clinical Training Responsibilities

The trainee will gain experience in management of children with all forms of liver disease, the peri-operative care of children receiving liver, and liver and small bowel transplantation, and co-ordination of investigations including liver biopsies and endoscopies. Trainee will participate in specialised liver clinics (CF, Metabolic, Fatty liver, Viral hepatitis, adolescent transition, joint intestinal failure clinics) and will gain experience in performing diagnostic and therapeutic endoscopic procedures and liver biopsies. The trainee will have the exciting opportunity to gain experience in assessing children for intestinal transplantation, the inpatient management peri transplant and the long-term management (including endoscopy and ileoscopy of the graft) and the detection of complications unique to this exceptional cohort of patients.

He/She will provide support for the nurse led telephone follow up clinic and receive training in making management plans and giving feedback to the referring hospital.

### Workload / Rota Arrangements / Example Timetable

	Am	Pm
<b>Monday</b>	Weekend Handover Procedures list/ Ward work Histology meeting 13.00-14.00	Ward cover OR Outpatients session
<b>Tuesday</b>	MDT radiology meeting 08:00 - 09:00 MDT Ward round 09:00 - 11:00 Liver Unit research & development meeting 13:00-14:00hrs	Ward cover Outpatient's session Admin or research time
<b>Wednesday</b>	Outpatient clinic review /teaching session 08:30-10:00 Ward round 10:30-12:30 Or Procedures list 08:30 - 12:30hrs	Admin or research time OR Outpatient session Ward cover



## Programme Description

	Hospital Grand Round 13:00-14.00 hrs	
<b>Thursday</b>	Outpatient clinic review/teaching session 09:00 - 10:30 hrs Ward round 10:30-12:00 Liver unit teaching Seminars 12:00-13:00 Liver Unit Business meeting 13.00-14.00	Admin or research time Outpatient session Ward cover
<b>Friday</b>	MDT Transplant meeting 08:00 - 09:00 Multidisciplinary ward round 9.30-12.30 OR Procedures list	Admin or research time Ward cover

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

**Teaching:** Trainees will be offered excellent teaching opportunities having time to attend the Hospital postgraduate teaching programme and structured teaching is provided within the Department. Trainees are expected to participate in the teaching of undergraduate medical students, student nurses.

**Research:** There are ample opportunities for research within the Department. Current research projects include therapy of viral hepatitis, new treatments for portal hypertension, non-invasive markers of rejection following small bowel transplantation, the molecular basis of inherited metabolic liver and/or bowel disease, evaluation of alternative immunosuppression protocols and monitoring tools, etc.

### Contact details for unit

For informal enquiries please contact Dr Mona Abdel-Hady (mona.abdelhady@nhs.net) 0121 3338252/3339079

# East of England

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Cambridge University Hospitals, Addenbrookes	Paediatric Gastroenterology	24	Matthias Zilbauer mz304@medschl.cam.ac.uk	C	y
Kings College Hospital London	Paediatric Hepatology	6	Alastair.baker@nhs.net	C	Y
Kings College Hospital London	Paediatric Gastroenterology	6	babu.vadamalayan@nhs.net	C	Y

## Additional Information

The rotation will start at Addenbrookes hospital where the trainee will spend first 24 months followed by 12 months at Kings Hospital London of which 6 will be in the liver unit and 6 in gastroenterology.

## Programme Description

Sub-specialty:	Paediatric Gastroenterology
Base Unit:	Cambridge University Hospitals, Addenbrookes
Deaneries involved:	Eastern Deanery, London Deanery (South)

### Outline of Programme

This programme provides an outstanding training opportunity at Cambridge University Hospitals (Addenbrookes) and King's College Hospital London. It consists of a 2 year attachment in Cambridge, which will cover all aspects of paediatric gastroenterology and nutrition, in addition to 12 months spent at King's College. The latter includes a minimum of 6 months training in Paediatric Hepatology.

The Department of Paediatric Gastroenterology in Cambridge is currently the largest tertiary referral centre for paediatric gastroenterology in the East of England. Trainees will join an enthusiastic, multi-disciplinary team, including paediatric gastroenterologists, dietitians, specialist nurses, speech and language therapists, paediatric psychologists, pharmacists and basic scientists. There are also a maximum of 2 clinical fellows who share the clinical duties and provide critical mass for training and learning opportunities. The team closely collaborates with many departments, these include paediatric surgery, adult surgery and gastroenterology.

Given both the local and regional referral population (30/70% ratio), the training program offers a comprehensive training in both secondary and tertiary clinical care. Trainees will be exposed to all major paediatric gastroenterological conditions including coeliac disease, IBD, functional gut disease and intolerances, gastro-oesophageal reflux, complex feeding problems (artificial enteral and parenteral nutrition), constipation and short gut syndrome (10-15 patients on HPN).

Significant strengths of the department include a large and expanding clinical IBD service, alongside a strong and integrated translational academic/research program.

### Departmental Information

- Demographics
  - Inpatients: ~200 / annum
  - Outpatients: ~2000 / annum
  - Endoscopies: ~600 / annum
  - IBD Patients: ~ 250 under follow up
  - Referral population: ~1.5m children

#### - Team

Dr Franco Torrente, Consultant Paediatric Gastroenterologist,

Dr Rob Heuschkel, Consultant Paediatric Gastroenterologist

Dr Matthias Zilbauer, University Lecturer and Hon. Consultant in Paediatric Gastroenterology, Academic Lead

Dr Camilla Salvestrini, Consultant Paediatric Gastroenterologist, Clinical Lead

Dr Kai Hensel, Senior Clinical Fellow in Paediatric Gastroenterology

#### - Supervisor(s)

Matthias Zilbauer

Rob Heuschkel

Camilla Salvestrini

Franco Torrente

### Clinical Training Responsibilities

Trainees will be expected to participate in all departmental activities. These include inpatient and outpatient service, endoscopies, recruitment to clinical trials (incl GCP training) as well as all teaching and training activities.

#### a) Inpatient care

The aim is to provide insight and competence in the management of complex gastrointestinal disease in children. Our inpatients include children with gut failure, severe IBD, complex feeding disorders, short bowel syndrome and functional/motility disorders. Moreover, we are involved in the care of patients from many of the other 16 paediatric sub-specialties, including paediatric surgery, respiratory, oncology, PICU/NICU.

## Programme Description

The following sessions/activities will be regularly attended/lead by the trainee:

- Paeds gastro grand round (Wednesday mornings)
- Clinical Pathological Meeting (Friday)
- SpR led ward rounds
- Multi-disciplinary Meetings (MDTs - details outlined in weekly schedule)

### b) Outpatient care

The up to 200 outpatient visits/month cover a wide range of gastrointestinal topics, trainees are expected to regularly attend and actively participate in clinics. Specialist clinics include:

- Paed gastro clinic (Monday am/Tuesday am/Wednesday pm/Thursday am/pm)
- IBD clinic (nurse-led and consultant led) (Thursday am/Friday am)
- Hepatology clinic (Tuesday am)
- Feeding & Nutrition clinic (Tuesday am/Friday am)
- Joint surgical clinic (3rd Wed pm of month, 1st Mon pm of month)
- IBD transition clinic with adult gastroenterology (3 monthly)
- Hepatology Transition Clinic (3 monthly)
- Hepatology Outreach Clinic - with King's College Hospital (3 monthly)
- Nurse/Dietitian Coeliac Clinic (Monthly on Tuesday)

### d) Endoscopies

We currently run a minimum of five half-day endoscopy lists per month, held on Tuesdays. On average we perform between 6 and 10 procedures per list (>600 cases/year). Lists are in the process of being modified to allow more focused hands-on teaching. Over the training period, we will provide a structured approach to teaching paediatric endoscopy, including all the required practical and theoretical aspects. We also have access to an endoscopy simulator, which has been useful to trainees in the past. The trainee will initially have at least one monthly training session on a colonoscopy training model / simulator, which will be supervised by one of the consultants.

Essential learning points in addition to practical training include the following:

- Understand indications for each endoscopic procedure
- Be familiar with the main aspects of endoscopic procedures including:
  - Bowel prep procedure
    - Taking consent (for procedure and additional research biopsies)
  - Setting up of equipment
  - Describing macroscopic findings and writing reports
  - Informing parents/patients of results
  - Management / treatment changes as a result of endoscopic/histological findings
  - Attendance of histology meetings (Friday 1.30pm)

### e) IBD service

IBD represents a major strength of the Unit in Cambridge, with over 230 children with IBD in active follow up. Children are actively enrolled in the unit's research program and we are members of an international IBD network (ImproveCareNow), allowing us to collaborate and share experience in the management of children with IBD with some of the leading centres in the USA. The trainee will benefit from these unique opportunities in IBD care.

### f) Impedance, WCE and breath tests

As part of our diagnostic procedures, we perform a number of hydrogen breath tests (on average 20 per year) as well as pH/impedance studies (about 50 per year). We also carry out between 5-10 WCEs. The trainee will be expected to understand these techniques, as well as their indications and the practical implications. Trainees will be trained in placing probes, as well as analysing completed studies under supervision of responsible consultants.

Programme Description

**Example Weekly Timetable**

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
A.M	<p>08.30-09.30 <b>Gastro Business Meeting</b></p> <p>09.30 - 12.00 <b>SpR/Grid Trainee Ward round</b></p> <p>9.00-13.00 <b>Gastro / IBD Clinic</b></p>	<p>09.30 - 12.00 <b>SpR/Grid Trainee Ward round</b></p> <p>09.30/09.00 <b>Hepatology / Gastroenterology Clinics</b></p>	<p>08.30 - 09.30 <b>SpR/Grid Trainee (preparation for Grand Round)</b></p> <p>09.00-10.00 <b>Nutrition Support Team Meeting</b></p> <p>09.00-12.00 <b>Transition Clinic (3 Monthly)</b></p> <p>10.00 - 12.00 <b>Gastro Grand Round</b></p>	<p>09.30 - 12.00 <b>SpR Ward round (C3)</b></p> <p>9.00-13.00 <b>Gastro / IBD Clinic</b></p> <p>10.00 - 11.00 <b>Nutrition Round</b></p>	<p>8.00 <b>Adult Gastro Journal Club</b></p> <p>09.30 - 12.00 <b>SpR Ward round (C3)</b></p> <p>9.00-13.00 <b>Gastro / IBD Clinic</b></p>
	<p>12.00 - 13.30 <b>Paediatric Teaching</b></p>	<p>12.30 Pre-endoscopy assessment</p>	<p>12.00 - 13.00 <b>Paeds Gastro Teaching</b></p>		<p>1.00 - 2.00 <b>Adult Gastro Seminar</b></p>
P.M	<p>2.00 - 3.00 <b>Surgical and Radiology MDT Meeting</b></p> <p>1.30 Joint Surgical clinic (once monthly)</p> <p>3.00 - 5.30 Lab meeting, teaching and Journal Club</p>	<p>1.15 - 6.15 <b>Endoscopy List</b></p>	<p>1.30 <b>Joint Surgical Clinic (3<sup>rd</sup> Wed monthly)</b></p>	<p>2.00 - 2.45 <b>Histopathology Meeting</b></p> <p>3.00 - 4.00 <b>Psycho-social MDT meeting</b></p>	<p>2.00 - 5.00 <b>Gastro/ Constipation / Nutrition / Feeding / Coeliac Clinics</b></p>

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

There are a number of teaching and training sessions within the paediatric gastro department, as well as many others organized by the departments of paediatrics and adult gastroenterology. The grid trainee will be expected to attend as many of these sessions as possible. Moreover, we expect all members of the team to regularly contribute to journal clubs, research/audit projects. Attendance and contribution to these sessions will be monitored using the trainee logbook.

As a minimum, a trainee would be expected to contribute the following:

- Present an article for journal club 3x/year
- Give a short presentation to the department on a clinical topic of your choice (e.g. gastro-oesophageal reflux disease- diagnosis and management). This should be a power-point presentation of around 30 minutes.
- Provide updates and data on any on-going research projects or audits the trainee is involved in
- Minimum of one poster (or oral) presentation at a national or international conference

## **Programme Description**

- The department organises annual regional/international training courses (East of England Network Training Day; Cambridge ESPGHAN Masterclass ) and trainees are encouraged to attend & actively participate
- Opportunity to get involved in translational basic (laboratory based) research projects (see below)

## **Further training opportunities**

The department at Cambridge runs an active translational research laboratory, providing excellent opportunities for trainees to get involved in clinically relevant basic science projects. Interested /suitable trainees will be supported and encouraged to apply for funding to pursue a post-graduate research degree.

## **Any further information**

Potential candidates are encouraged to call the department to arrange a visit to meet existing trainees and current team members

## **Contact details for unit**

Frances Goodfellow | Medical Secretary  
Paediatric Gastroenterology Team Tel: 01223 274827 | Ext: 4827| [www.cuh.org.uk](http://www.cuh.org.uk)  
Paediatric Gastroenterology | Box number 267 Cambridge University Hospitals NHS Foundation Trust | Addenbrooke's Hospital Cambridge Biomedical Campus | Hills Road | Cambridge | CB2 0QQ  
E-mail: [frances.goodfellow@addenbrookes.nhs.uk](mailto:frances.goodfellow@addenbrookes.nhs.uk)

Matthias Zilbauer  
University Lecturer and Honorary Consultant in Paediatric Gastroenterology  
University Department of Paediatrics  
Level 8 Addenbrooke's Hospital, Box 116  
Hills Road, Cambridge, CB2 0QQ  
Phone: +44 (0) 1223 336889  
E-mail: [mz304@medschl.cam.ac.uk](mailto:mz304@medschl.cam.ac.uk)

# London

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Chelsea and Westminster Hospital	Gastroenterology	36	Dr John Fell	C	Y
Royal London Hospital	Gastroenterology	36	Dr Sandhia Naik <a href="mailto:Sandhia.naik@bartshealth.nhs.uk">Sandhia.naik@bartshealth.nhs.uk</a>	C	Y
Kings College Hospital	Hepatology	36	Dr Sanjay Bansal	C	Y

## Additional Information

Post One: 1 year at Chelsea and Westminster, followed by 1 year at Royal London, 6 months hepatology at King's college and 6 months at Royal Free Hospital

Post Two: 1 year at Royal London, followed by 6 months hepatology at King's, 6 months gastroenterology at King's and last year at Chelsea and Westminster

Post Three: 30 months Hepatology and 6 months gastroenterology at King's College Hospital

Job descriptions for all units available.

## Programme Description

Sub-specialty:	PGHAN
Base Unit:	The Royal Free London NHS Foundation Trust Gastro/RFHI Training in Paediatric Gastroenterology
Deaneries involved:	Oxford and London Deanery

### Outline of Programme

The Centre for Paediatric Gastroenterology at the Royal Free London NHS Foundation Trust forms ONE YEAR of a three year SpR rotation, which may include the Royal London Hospital, Great Ormond Street Hospital, Chelsea and Westminster Hospital, King's College Hospital, Oxford and Southampton.

### Departmental Information

#### - Demographics

The Centre for Paediatric Gastroenterology at Royal Free Hospital is a Tertiary Paediatric Gastroenterology Unit which provides a range of secondary and tertiary facilities for the diagnosis and management of children and adolescents with gastrointestinal diseases.

There is a large Paediatric Inflammatory Bowel Disease (IBD) Service, including an regular Transitional Care service for adolescent patients. This is an excellent opportunity to learn about the management of complex IBD patients. There are specialist clinics in IBD, motility and food allergy. There is also a multi-disciplinary feeding team for children with feeding problems. There is also a weekly Teaching Programme as well as training in endoscopy (OGD and Colonoscopy).

We work closely with our local paediatricians, and have close relationships with our regional outreach centres and referring hospitals as well as our local GP surgeries. We aim to provide rapid access with excellence in quality of care and communication.

Dr Mark Furman is the current Clinical Lead for Paediatric Gastroenterology, with an interest in IBD and EoE. The second consultant is Dr Dan Crespi who has a interest in IBD and motility and is the lead for motility and related investigations. Dr Rachel Levi has recently started as a Locum Consultant in the team, as Dr Furman has also taken on the role of CMIO for the trust.

There are two general anaesthetic endoscopy lists every week which facilitates excellent training opportunities. There is close collaboration with the adult gastroenterology unit with access to endoscopy training simulators and wireless capsule endoscopy.

There is an active clinical research program running, with collaborative research on a national and international level. Trainees are encouraged to take part and where possible aim to present work at meetings.

The service is supported by a team of 15 Consultant Paediatricians, with fully a consultant-provided acute general paediatric service which has been running at the Royal Free since March 2007. Paediatric Gastroenterology is also supported by the paediatric SHO level trainees. From 1 July 2014 Barnet and Chase Farm Hospitals have become part of the Royal Free London NHS Foundation Trust.

#### - Team

We work as a very close team, with good atmosphere and a positive working environment. We have an open door policy and welcome discussions.

Susan Beecham, Paediatric IBD Nurse Specialist

Abi Freedman & Gabrielle Colman, Paediatric Dietician

Celia Harding / Helen Unsworth, Paediatric Speech and Language Specialist

Dr Deborah Woodman, Child Psychologist, CAMHS

Mr Gunju Ogunbiyi, Mr Jonathan Knowles & Mr Colin Hart, Colorectal surgeons

Mr Simon Blackburn, Paediatric Surgeon (sessional)

Isobel Beal & Jody Maclachlan, Paediatric Radiologists



## Programme Description

- Supervisor(s)  
Dr Mark Furman, Clinical Lead and Consultant Paediatric Gastroenterologist  
Dr Daniel Crespi, Consultant Paediatric Gastroenterologist  
Dr Rachel Levi, Locum Consultant Paediatric Gastroenterologist

### Clinical Training Responsibilities

Training in common and more complex paediatric gastroenterology conditions.

Training also in diagnostic techniques will include

- Endoscopy Simulator training
- Upper GI endoscopy
- Colonoscopy
- Motility studies including Intraluminal impedance / pH studies
- Wireless capsule endoscopy
- Nutrition training including assessment of nutritional status, dietary requirements of children, use of enteral and short-term parenteral nutrition, particularly in children with IBD.
- To develop excellent communication skills in co-operation with other specialists (surgeons, pathologists, lab scientists and adult gastroenterologists).
- To achieve a level of understanding of current NHS management and strategies relevant to the stage of training.
- Expected to take part in clinical governance, guideline development and clinical audit
- To achieve skills in teaching undergraduates and improve presentation skills.

### Workload / Rota Arrangements / Example Timetable

		Weekly SpR Rota
Monday	AM	09:00-13:00 Ward round and ambulatory (Infliximabs)
	PM	1330 - 17:00 Outpatient Clinic (GENL/Motility) 14:00 - 17:00 Admissions for endoscopy
Tuesday	AM	08:00 - 12:30 Endoscopy
	PM	13:00 - 14:00 Consultant Ward Round 14:00 - 15:00 Admission Meeting
Wednesday	AM	09:00 - 10:00 IBD MDT 10:00 - 11:00 Ward Round 11:00 - 12:00 Teaching
	PM	12:00 - 13:00 X-Ray Meeting 13:30 - 17:00 Admin Afternoon (IBD Clinic in rotation)
Thursday	AM	09:00 - 12:00 Outpatient Clinic (Allergy)
	PM	12:30 - 13:30 Ward Round 14:00 - 15:00 CPD / Teaching

## Programme Description

		15:30 - 17:00 Endoscopy admissions
Friday	AM	08:00 - 12:30 Endoscopy
	PM	13:00 - 14:00 Ward Round
		14:30 - 15:30 Histology
		15:30 - 17:00 Remaining Ward work / discharge summary coordination for the week with physicians assistant.

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

- Take part in teaching programme as detailed in the timetable
- Encouraged to take part in research program as appropriate to career needs
- Take part in departmental audit activity and guideline reviews
- Teaching and supervision of "SHO"s and medical students

### Further training opportunities

- Excellent supervised training in established and recognised centre for sub-specialty and excellent endoscopy training
- Endoscopy training on simulators (unique opportunity) - this helps to accelerate live endoscopy training
- Active paediatric clinical trials program
- Participation in half day Paediatric Gastroenterology Teaching Programme for Regional Teaching hosted at • RFH
- Discounted APLS/NLS
- Quality Improvement training
- Opportunities to teach trainees for MRCPCH clinical exams.

### Any further information

Senior ST 7/8 trainees near completion will be offered focussed coaching for preparation for job interviews, Finance planning, writing business case, managing governance issues by service leads.

### Contact details for unit

For more information contact Dr M Furman, Dr Dan Crespi or Dr Rachel Levi on 020 7830 2782 or mark.furman@nhs.net, daniel.crespi@nhs.net or rlevi@nhs.net

## Programme Description

Subspecialty:	Training Programme in Paediatric Gastroenterology
Base Unit:	Chelsea and Westminster Hospital NHS FT
Deaneries involved:	London

### Outline of Programme

The setting of the department is the Department of Paediatric Gastroenterology and Nutrition at Chelsea & Westminster Hospital (Imperial College Faculty of Medicine). The clinical interests of this tertiary referral unit include gastro-oesophageal reflux and gastritis, small bowel enteropathies including coeliac disease, and intractable diarrhoea; chronic inflammatory bowel disease, chronic constipation, nutrition and gastro-intestinal aspects of the management of cystic fibrosis. The unit is integrated with the regional paediatric surgical services which are focused on neonatal and non invasive surgical innovation.

### Departmental Information

- Demographics
- Outpatients new referrals >900 per annum, inpatients >650 per annum.  
Referral population 2.5 million +
- Team  
5 Paediatric Gastroenterologists, 2 Paediatric GI Surgeons, 1 Grid SpR / ST6-8, 2 non grid SpR / ST6-8 posts, Psychologist, Dietician, Pharmacist, 2 Specialist Nurses and Coordinator. The Paediatric Department has over 10 SpRs based at C&W covering general paediatrics, endocrinology, neurology, A & E, NICU and community.
- Supervisor(s)  
Dr John Fell john.fell@chelwest.nhs.uk 020 3315 8628

### Clinical Training Responsibilities

- The program takes into account the guidelines put forward for training in paediatric gastroenterology by the British Society for Paediatric Gastroenterology Hepatology & Nutrition.
- Responsibility for the management of gastroenterology inpatients.
- Endoscopy: JAG accredited endoscopy service. Training includes simulation training.
- The trainee will have specific training in a variety of diagnostic techniques. These include oesophageal pH and impedance studies, gut motility studies and breath tests.
- The trainee will also undergo training in the nutritional management of infants, post-surgical neonates, and older children requiring both enteral and parenteral nutritional support.
- The trainee will be involved in collaborative management with paediatric surgeons and neonatologists, as well as histopathologists and radiologists.

### Workload / Rota Arrangements / Example Timetable

This follows a full shift system, covering general paediatric out of hours.

Gastroenterology timetable:

Monday	Tuesday	Wednesday	Thursday	Friday
*Ward work / endoscopy list	*Ward work 11.00 - 13.00 Weekly review	*Ward work / endoscopy list	*Ward work	*Ward work / Out patient clinic

## Programme Description

	round / nutrition round			
1300 Lunchtime meeting	Lunch	12.15 Teaching 1300 X ray meeting	Lunch	Lunch
1400 Teaching ward round	1400 Out patient clinic	1400 Multi-disciplinary Ward Round	1330 *Endoscopy plus post endoscopy ward round	1400 Ward round

\*Ward work or clinical administration / audit on alternate weeks (alternate with other GI SpR / ST)

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

- Participation in ST 1-3 teaching and postgraduate and undergraduate programmes
- Involvement in audit
- Involvement in clinical research projects. There are numerous research opportunities within the department and in association with Imperial College
- Opportunity to further develop clinical guidelines
- Organise GI seminars/journal club
- Participation in departmental management meetings

### Further training opportunities

- Experience in neonatal gastroenterology
- GI support for other tertiary centres within Imperial College Faculty of Medicine (Royal Brompton, Hammersmith and St Mary's Hospitals)
- Shared care/participation in gastroenterology clinics and liaison with inpatient care at St Marks/ Northwick Park, Ealing and West Middlesex Hospitals

### Any further information

### Contact details for unit

020 3315 8628

## Programme Description

Sub-specialty:	Paediatric Gastroenterology
Base Unit:	Royal London Hospital
Deaneries involved:	London

### Outline of Programme

1 year placement out of 3 year rotation across London. Other London Units incl GOSH/Chelsea and Westminster/Royal Free

### Departmental Information

- Demographics
- The Royal London Childrens Hospital
- Barts and the London NHS Trust provides healthcare for an ethnically diverse community with one of the largest Paediatric A&E Departments, over 35000 yearly attendances. The postholder will gain vast experience of all pathologies..
- The Royal London Children's Hospital comprises of both secondary and tertiary paediatric medicine and surgery. Tertiary specialties in addition to Gastro include Neonatology, Surgery, respiratory, Endocrinology, PCCU, Allergy
- FOR PGHAN- There is an extensive clinical and academic service covering all paed GI and Adolescent with a dedicated 12 bed ward for gastro ( 3 beds gastro surg) Joint clinics and meetings occur with paediatric surgery/adult Gastroenterology and colorectal surgery with smooth transition from paediatrics to adolescence to adulthood. Intestinal Failure /Rehab MDT meetings occur twice weekly (also attended by microbiologist and biochemist) . We undertake specialist clinics in inflammatory bowel disease, IBD/growth failure, IBD/oral disease, adolescent IBD, food allergies, obesity, feeding disorders, hepatology, intestinal failure/Parenteral Nutrition, neurogastroenterology , joint surgical gastro clinics
- Endoscopy-There is a dedicated JAG accredited Endoscopy suite for both paediatric and adult lists with formal training and assessment of practical endoscopy skills .Dedicated training lists and Simulation training is available  
Currently there is a 4x per week general anaesthetic list for endoscopy/colonoscopy and a fortnightly sedation list.  
Motility disorders are investigated and managed in collaboration with Adult GI Physiology.including oesophageal /small bowel and anorectal manometry
- Team
- Lead clinician is Dr Sandhia Naik, with an interest in nutrition and intestinal failure, Inflammatory Bowel Disease and hepatology.
- Dr David Rawat has an interest in neurogastroenterology - currently on sabbatical - Locum Replacement Dr Anna Rybak.
- Dr Ed Gaynor is a newly appointed consultant with an interest in Networks and Commissioning
- DProf Nick Croft, leads clinical research particularly industry studies and has a primary interest in Inflammatory Bowel Disease.  
Professor Ian Sanderson heads the academic department, which has an international reputation in research  
Juniors are -Nationally appointed grid gastro SPR trainee ,non grid st6-8 ,3x ST2-3 s  
Research Fellows x3 -  
The multidisciplinary team includes 4 CNSs- 2 x IBD Nurse specialist for paediatrics and young adults, Nutritional Nurse Specialist and a GI Investigation Nurse,2 specialised dieticians, consultant clinical Psychologist, speech and language therapist and Parenteral Nutrition (PN) Pharmacist.
- Supervisor(s)  
All consultants have roles as clinical and /or Educational Supervisors and are allocated at the start of posts

## Programme Description

### Clinical Training Responsibilities

The post-holder will share ward cover for gastroenterology in-patients with non grid trainee in Paed Gastroenterology..Twice weekly PN rounds occur. Endoscopic training in uppers, lowers ,VCE, and some interventional procedures eg balloon dilation , polypectomy and G/J insertions. Twice attendance for Gastroenterology out-patients is expected. There are opportunities to attend the specialist clinics and home visits by CNS. Training will be received in investigation and management of neonates through to adolescence with motility disorders, inflammatory bowel disease, nutritional disorders and allergies

### Workload / Rota Arrangements / Example Timetable

The grid trainee contributes to general on calls on 1 in 13 with 1 week in 6 months acute gen paed

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

The post-holder will be expected to assist and contribute to teaching undergraduate medical students from St Barts and the Royal London School of Medicine and Dentistry and postgraduates including MSc in Gastroenterology . Weekly Gastro Teaching is on Tues lunchtime with additional weekly teaching in combined sessions with adult gastro. Participation in paediatric postgrad teaching programme is also expected. Research Projects are ongoing and there will be the possibility of a specific research project for the post holder during their time and this will be discussed pending appointment. Submissions to national and international meetings is encouraged

### Further training opportunities

General Paediatric X-ray meeting (Monday 1.00 pm)  
Paed Gastro Journal Club/Case presentation (Monday 12.45 pm)  
Paed Grand round monthly  
Paed M and M monthly  
Paediatric Protected teaching (Thursday 2.00 pm)  
Academic Gastro (Thursday 4.45 pm)  
Paed Gastro X-ray meeting (2nd and 4th Fridays 9.00 am)  
Paed Gastro Histology (Friday 10.30 am)  
IBD meeting (with adults)(Friday 1.00 pm)  
Monthly Audit/Governance Meetings.

### Any further information

Management

Opportunities to develop specific skills for ST6-8 in leadership and management and preparing to be a consultant.

### Contact details for unit

Sandhia Naik 02035942473  
sandhia.naik@bartshealth.nhs.uk

# North West

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Alder Hey Children's NHS Foundation trust	Gastroenterology and Nutrition	18	Dr Marcus Auth marcus.auth@alderhey.nhs.uk	C	Y
Leeds General Infirmary	6 months 6 months Hepatology	6	Dr Suzanne Davison suzanne.davison@nhs.net	C	Y
Manchester Children's Hospital	Gastroenterology and Nutrition	12	Dr Andrew Fagbemi Andrew.Fagbemi@mft.nhs.uk	C	Y

## Additional Information

There are 2 grid training places offered with rotation through the centres above

18 months Gastroenterology and Nutrition Liverpool over whole 3 years

12 months Gastroenterology and Nutrition Manchester over whole 3 years

6 months Liver in Leeds,

Start date of institution will be announced when Hepatology rotation scheme in Leeds finalised with all participating centres.

## Programme Description

Sub-specialty:	Gastroenterology, Hepatology and Nutrition
Base Unit:	Alder Hey Children's NHS Foundation Trust, Liverpool
Deaneries involved:	Northwest, and Yorkshire and Humber

### Outline of Programme

Three year training programme in three centres with outstanding clinical training opportunities- 18 months gastroenterology, hepatology and nutrition at the fantastic, newly built Alder Hey Children's Hospital (Children's Health Park) in Liverpool, 12 months gastroenterology in the fantastic Manchester Children's Hospital, and 6 months tertiary and quaternary hepatology service in the brilliant Children's hospital in Leeds. With then 6 full -time consultants plus an academic consultant the trainee has the excellent opportunity to apply hands-on endoscopy training selected from 5 regular endoscopy lists to advance in diagnostic and interventional endoscopy with over 1400 endoscopies per year including polypectomies and dilatations. The trainee will fulfil all requirements for JETS approval for OGD and is expected to meet all criteria for colonoscopy JETS approval by the end of the 24 months. The gastroenterology centre is leading on PEG insertions and replacements, has a formal polyposis service, and provides large cohorts with excellent audit and research opportunities for IBD conditions, TPN, eosinophilic conditions, GOR, coeliac disease, multidisciplinary feeding clinics, with multiple clinical studies active particularly in IBD. The centre prides in the provision of a designated GI physiologist to perform annually more than 135 hydrogen breath tests, 80 impedance studies, 75 urea breath tests and pH studies, 35 anal and oral manometries, and 20 video capsule endoscopies.

The trainee will be introduced and learn to manage the full spectrum of tertiary gastroenterology, hepatology and nutrition with all aspects of IBD service, managing TPN patients with dieticians, SALT and surgeons collaboratively, learning to manage complex patients in close interdisciplinary collaboration with other specialties often presenting with nutritional problems, and jointly managing patients pre- and post liver and small bowel transplantation. Being a national centre for cardiac surgery, ECMO, and with a large paediatric ICU, and with a long tradition of multidisciplinary collaboration and team-working, Alder Hey provides outstanding clinical training opportunities. Excellent transition clinics for IBD, polyposis, and hepatology are set up with adult clinics in Liverpool and affiliated DGHs. It is expected that the trainee will prepare at least 1 audit per 6 months, 1 presentations national or international per year, and 1 publications over the 2 years and support will be provided by the academic consultant and research lead, and educational/clinical leads. Quaternary level hepatology training is provided in Leeds (6 months) with further gastroenterology and nutritional training in Leeds (6 months). The rotation offers some flexibility regarding timing of the rotation.

### Departmental Information

- Demographics  
The paediatric GHN department in Alder Hey provides tertiary care for a population of 6 Million people and 275,000 children from Merseyside, Cheshire, Lancashire, Greater Manchester, Shropshire and North Wales. Inpatients  
Outpatients - 4700 / year  
Inpatients - 10-15 / day in new interdisciplinary medical specialties ward
- Team  
Dr Marcus Auth, Consultant Paediatric Gastroenterologist, Educational Supervisor  
Dr Dr Sarang Tamhne, Dr Fiona Cameron, Dr Anastasia Konidari, Dr Elizabeth Renji, Dr Manjula Velayudhan Nair, Clinical Supervisors  
Prof Steve Allen, Academic consultant, supervises research programme
- Trainees
  - 1 National Grid trainee in paediatric gastroenterology and nutrition
  - 2 STR's (ST4-8 level ) in Paediatrics
  - 1 ST1/ ST2 doctor - gastroenterology
  - 1 Ward-based Foundation doctor - currently shared between gastroenterology and paediatrics



## Programme Description

- 1 Clinical Fellow
- Clerical support and allied health professionals:
  - 3 pathway coordinators (Sandra Thomson, Janet McComb, Jenny Bartlett), and additional clerical staff
  - 4 allocated dieticians (Emma Jones, Sharon Watters, Christopher Greaves)
  - 5 clinical nurse specialists (Sharon Irving-TPN, David Aylward, Peter Grant,- IBD, Liver, Brenda Hill, Claire McVie - Stoma care
  - 1 GI physiologist \_Rachael McGhee
  - 2 allocated clinical Psychologists (Claire Anderson, Jenna Faye)
  - 3 Research nurses and assitants- Rebecca Stewart, Emma Carter, Lauren Flanagan
- Supervisor(s)  
Dr Christos Tzivinikos, Educational Supervisor,  
Dr Marcus Auth, Dr Sarang Tamhne, Dr Fiona Cameron, Dr Anastasia Konidari, Dr Manjula Velayudhan Nair, Dr Elizabeth Renji, Prof Steve Allen -Clinical supervisors

## Clinical Training Responsibilities

The program takes into account the guidelines put forward for training in paediatric gastroenterology by the British Society for Paediatric Gastroenterology Hepatology & Nutrition. These include management of gastroenterology inpatients, participation in out patient clinics as appropriate for their training, formal endoscopy training (upper gastrointestinal endoscopy, colonoscopy, interventions including PEG-insertions, PEG-toButton procedures, polypectomies), diagnostic and GI physiology studies including participation in video capsule endoscopy, impedance studies, and breathe tests. The trainee will also undergo training in the nutritional management of children requiring both enteral and parenteral nutrition in collaborative management with medical and surgical teams.

This includes attending morning general / specialty handover meeting daily,  
one designated training endoscopy lists per week with potential attendance for second and third endoscopy lists depending on training requirements and overall training progress;  
attending consultant led inpatient ward rounds daily,  
acute review of children under care or referred to GHN  
supporting consultant of the week in consultations,  
at least one clinic per week with potential attendance of second clinic, GHN generic and specialist clinics with MDT involvement  
attendance at weekly GHN team meeting  
Attendance and presentation at journal club and formal training sessions

## Workload / Rota Arrangements / Example Timetable

On call is covered by a shift rota of 15-20 people covering general paediatrics and paediatric specialities.

The trainee will contribute to the out-of-hours acute general paediatric senior grade rota. The post is compliant with EWTD & subspecialty training requirements.

	Am	Lunchtime	Pm	
Mon	8.45-9.00	Handover meeting	Clinical admin time	1.30-4.30 Ward round outliers and referrals
	9.00-9.30	Team week meeting	4:30-5:00	handover meeting
	9:30-12:30	Ward round	GHN lead	
Tue	8.45-9.00	Handover meeting	Journal club and formal GHN training	2.00 ICU ward round
	9.00-12:30	SpR gastroenterology clinic	3.00-4.00	Histopathology MDT
		4.00-5.00	Clinical admin time	
Wed	8.00-9.00	Consent for endoscopies	General paediatric education meeting	1.30-5.00
	Specialist MDT feeding clinic / specialist clinics liver/ TPN / polyposis			
	9.00-12.30	Endoscopy trainee list	SpR Trust teaching	

## Programme Description

12.30-13.00 Ward round  
Thu 9.00-10.00 Audit Research / audit time 1.00-5.00 Option second trainee gastroenterology list / option collaborative MDT with other specialties  
10.00-11.00 IBD MDT meeting  
11-12.00 Gastroenterology and nutrition MDT meeting (TPN, IBD, CBD, Endoscopy, Research, service development)  
Fri 9.00-10.00 Grand round teaching Management of ward round, clinics and endoscopy list allocation 1.30-3.30 Handover meeting  
10-12:30 Research/audit time / reflective practice / management/teaching 3.30-4.30 Clinical admin time  
4.30-5.00 Handover for weekend

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

- Participation in teaching - undergraduate and post graduate
- Active participation in audit and opportunities to conduct clinical research and publish manuscripts - now under formal research lead and portfolio
- Organising weekly GI journal club / teaching
- Participation in departmental clinical and management meetings

## Further training opportunities

Presentation of audits and studies at National and International meetings is encouraged and supported.

Development of departmental and Trust guidelines

Attendance at specialist IBD, liver, TPN/short gut, polyposis, cardiology&neurology feeding, transition, Hirschprung's, CF, Behcet's, coeliac, and GOR clinics

Learning to set up and interpret GI physiology investigations under supervision and guidance from consultants and GI physiologist, including impedance, video capsule endoscopy, urea and hydrogen breath tests, pH studies, manometries, .

## Any further information

The programme allows the successful rotation reduced to two centres (Liverpool and Leeds) to accommodate outstanding training opportunities and a healthy work-life balance. The trainee will have the privilege and enjoyment to work in the brand new and iconic new Children's hospital (Alder Hey Children's Health Park) in a vibrant harbour city with wonderful countryside and excellent transport connections.

Awarded with UNESCO-World heritage status, European city of culture 2008, major city development (Liverpool One etc), and a rich history in music, sports, education and modern culture, and located at the Irish Sea and near the Lake District and North Wales, Liverpool has everything to offer for the trainees and their families, and provides abundance of very affordable accommodation.

## Contact details for unit

Dr Marcus Auth

MD PD FRCPCH, Honorary Lecturer University of Liverpool

Consultant Paediatric Gastroenterologist,

BSPGHAN Gastroenterology Chair 2014-2017

Alder Hey Children's NHS Foundation Trust

Eaton Road, Liverpool L12 2AP

Phone: 0151-282-5541 and 0151-228-4811 ext 5153

Fax: 0151-252-5928

Email: marcus.auth@alderhey.nhs.uk

## Programme Description

Sub-specialty:	Paediatric Gastroenterology
Base Unit:	Royal Manchester Childrens Hospital
Deaneries involved:	North Western

### Outline of Programme

24 months paediatric gastroenterology training in the UKs largest single site childrens hospital (371 beds).

The grid trainee will have wide exposure to a broad range of paediatric gastroenterology conditions including severe enteropathies, inflammatory bowel disease, neonatal cholestasis, gastro-oesophageal reflux and intestinal failure. Investigative procedures include upper and lower gastrointestinal endoscopy, oesophageal pH studies, liver biopsies and intestinal manometry

### Departmental Information

- Demographics  
The department provides a comprehensive tertiary regional service for the whole of the North West of England. We care for >300 children with IBD (50 new referrals annually) and >500 endoscopic procedures performed electively and as emergency each year. Large intestinal failure service with ~15 patients on HPN
- Team
- 2 IBD and nutritional care nurse specialists
- 1 nurse practitioner with particular expertise in GI investigative procedures
- 2 senior gastroenterology dietitians, 1 gastroenterology pharmacist, 1 consultant clinical scientist
- 1 general paediatric STR (beyond ST3 level), 2-3 general paediatric trainees (ST2-3)
- 3-4 GI consultants, paediatric GI surgeons
- Supervisor(s)  
Dr Andrew Fagbemi  
Dr Loveday Jago  
Dr Ahmed Kadir  
Dr Adrian Thomas  
Dr Dalia Belsha

### Clinical Training Responsibilities

Dr Andrew Fagbemi

### Workload / Rota Arrangements / Example Timetable

Monday am: Gastroenterology teaching/Xray meeting; Histology meeting; Handover meeting, IBD MDT

Monday pm: Outpatient clinic

Tuesday am: Endoscopy list

Tuesday pm: Grand round

Wednesday am: Outpatient clinic or endoscopy list

Wednesday pm: Audit/Research/Admin

Thursday am: Endoscopy list

Thursday pm: Outpatient clinic

Friday am: Grand round

Friday pm: Audit/Research/Admin

## Programme Description

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

Participation in ST 1-3 teaching. Involvement in audit. Participation in departmental management meetings.

Involvement in clinical research projects. The department has a strong research record and has published extensively on IBD and has conducted a large number of Cochrane reviews

Opportunity to further develop clinical guidelines. Organise GI seminars.

### Further training opportunities

GI support for other specialities inc PICU, NICU & BMT. MDT speciality & transition clinics.

### Contact details for unit

Andrew.Fagbemi@cmft.nhs.uk      0161 701 2371

# Northern

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Great North Children's Hospital Newcastle	Paediatric Gastroenterology Hepatology & Nutrition	24	Dr Maureen Lawson maureen.lawson@nuth.nhs.uk	C	Y
Birmingham Children's Hospital NHS Foundation Trust	Paediatric Hepatology and gastroenterology	12	Dr Mona Abdelhady (hepatology) Dr Sue Protheroe (gastroenterology)	C	Y

## Additional Information

The exact timing of rotation to West Midlands Deanery will be confirmed after GRID appointments.

## Programme Description

Sub-specialty:	PGHAN
Base Unit:	Great North Childrens Hospital
Deaneries involved:	Northern and West Midlands

### Outline of Programme

Three year training programme - in total 24 months - paediatric gastroenterology, hepatology and nutrition training - Great North Children's Hospital (GNCH) in Newcastle 12 months - paediatric gastroenterology hepatology and nutrition training - Birmingham Children's Hospital. The rotation will start in Newcastle and the exact timing of rotation will be decided after GRID appointments. The focus in Newcastle is initially on general tertiary paediatric gastroenterology, hepatology and nutrition inpatient and out patient care and basic endoscopy skills. Trainee will be then supported in a gradual introduction to the complex IBD service, MDT home PN service, national service for children with immunological gut disorders with the immunology team. There will be Specialist training at neurodisability feeding clinics, joint GI/allergy clinics and in GI and nutritional problems in children pre and post cardiac surgery / transplantation. There will be access to the outreach liver clinics prior to attending formal hepatology training in Birmingham. Access to endoscopy training in Newcastle is very good, with a weekly dedicated training list. Research opportunities will be provided and an audit and QI project will be expected. The trainee would be supported through attendance and presentation a national meeting. Quaternary level hepatology training is provided in Birmingham (6 months)

### Departmental Information

- Demographics  
GNCH Paediatric Gastroenterology Department provides tertiary gastroenterology, hepatology and nutrition service to a population of approximately 3 million covering North Yorkshire, Teeside, Tyneside, Northumberland and Cumbria. The team also support the nationally commissioned cardiac transplant and HSCT for primary immunodeficiency & GI immune mediated inflammation.
- Team  
Consultants:  
Dr Maureen Lawson (special interests IBD nutrition, immunology and GI allergy)  
Dr Julian Thomas (special interest Home Parenteral Nutrition)  
Dr Steve Hodges (special interest hepatology)  
Dr Vicky Thomas (general paediatrician with interest in coeliac disease and nutrition)  
Dr Paul Bellis (general paediatrician with interest in hepatology and IBD).  
Specialist nurses:  
Carly Martin (nutrition team)  
David Derry (nutrition team)  
Christine Maville (IBD team)  
Clare Smith (IBD team)  
Specialist Dieticians:  
Ruth Stanley (lead)  
Jo Pena (lead home PN and cardiology)  
Claire Pearson (IBD)  
Louisa Whitfield-Brown (Immunology)  
Pharmacists  
Senior PN pharmacists:  
Karen Hartley  
Amy Tustin  
IBD Pharmacist  
Harriet Minto  
Gastroenterology Specialist inpatient ward (1A) Sister: Rachel Alcoat  
Trust Fellow Paediatric Gastroenterology: Cover provided by Paediatric Clinical Fellow

## Programme Description

- Supervisor(s)  
Dr Maureen Lawson - Educational Supervisor at GNCH  
Dr Steve Hodges / Dr Julian Thomas - Clinical Supervisors at GNCH

### Clinical Training Responsibilities

Attending morning general / speciality handover meeting daily  
1 endoscopy training list per week( assured attendance) with potential attendance at the other 2 weekly lists depending on training requirements. Attending consultant led inpatient ward rounds  
Acute review of children under care of paediatric gastroenterology attending acute assessment unit  
Supporting ward consultant in inpatient consultations of children under care of other teams at GNCH  
1 supervised speciality clinic per week (IBD, nutrition, coeliac or liver) as per rota.  
1 supervised joint New and FU general gastroenterology clinic per week  
Attendance at weekly NutriON MDT meeting to discuss & plan management home and long term inpatient  
PN patients  
Attendance at weekly IBD MDT meeting to discuss & plan management of all IBD cases seen in clinic that week, all inpatients and all outpatients with acute problems. Attendance at weekly immunology grand round to discuss & plan management of inpatient nationally and internationally referred children with GI autoimmunity / immune dysregulation.  
Attendance & case presentation at weekly Paediatric Gastroenterology MDT handover meeting  
Fortnightly histology meetings  
Fortnightly xray meetings  
Training in child protection for Paediatric Gastroenterology will be provided

### Workload / Rota Arrangements / Example Timetable

The trainee will contribute to the out-of-hours acute general paediatric & speciality middle grade rota.

The post is compliant with EWTD & sub-specialty training requirements.

Workload / Rota Arrangements / Example Timetable alternating every 3 months

## Programme Description

<i>Week A</i>	<b>Am</b>	<b>Lunchtime</b>	<b>Pm</b>
<b>Mon</b>	<ul style="list-style-type: none"> <li>• 8.30 - 9.00 Handover meeting</li> <li>• 10.00 - 12.00 gastro IP WR (3:4)</li> <li>• 10.00 - 12.00 Feeding clinic(1:4)</li> </ul>	Clinical admin time	<ul style="list-style-type: none"> <li>• 13.30 – 15.30 Weekly nutrition team MDT</li> </ul>
<b>Tues</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 10.00 – 12.00 Nutrition MDT (Freeman Hospital)</li> <li>• Option join endoscopy list</li> </ul>	Research / audit time	<ul style="list-style-type: none"> <li>• 13.30 – 15.00 Research / audit time</li> <li>• 15.00 – 16.00 Immunology grand round</li> <li>• 16.00 – 17.00 Histology meeting a(1:2)</li> </ul>
<b>Wed</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 09.00-10.30 Inpatient PN MDT</li> <li>• 10.30 – 12.30 Gastro IP WR</li> </ul>	General Paediatric education meeting	<ul style="list-style-type: none"> <li>• MDT Nutrition clinic (alt week)</li> <li>• Coeliac Clinic (1:4)</li> <li>• Outreach hepatology clinic (Leeds Consultant) (1:4)</li> </ul>
<b>Thurs</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 09.30 – 12.00 Gastroenterology MDT meeting</li> <li>• 12.30 – 14.00 IP WR</li> </ul>		<ul style="list-style-type: none"> <li>• 14.00 – 17.00 SpR gastro clinic</li> </ul>
<b>Fri</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 9.00 – 10.00 Reflective practice teaching session</li> <li>• 10.00 – 12.00 gastro IP WR</li> </ul>	Clinical admin time	<ul style="list-style-type: none"> <li>• 13.00 – 17.00 Training Endoscopy list</li> </ul>

<i>Week B</i>	<b>Am</b>	<b>Lunchtime</b>	<b>Pm</b>
<b>Mon</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 0900- 12.00 gastro IP WR (3:4)</li> <li>• 0900-12.30 New patient/IBD clinic(1:4)</li> </ul>	Clinical admin time	<ul style="list-style-type: none"> <li>• 14.00 – 17.00 paediatric IBD clinic</li> </ul>
<b>Tues</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 0900- 12.00 gastro IP WR</li> <li>• Option join endoscopy list</li> </ul>	Research / audit time	<ul style="list-style-type: none"> <li>• 14.00-1600 Research / audit time</li> <li>• 16.00 - 17.00 Histology meeting alt weeks</li> </ul>
<b>Wed</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 09.00 – 10.30 Gastro IP WR</li> <li>• 10.30 – 12.30 IBD MDT</li> <li>• Option join endoscopy list</li> </ul>	General Paediatric education meeting	<ul style="list-style-type: none"> <li>• 13.30 – 15.30 IBD MDT</li> <li>• 15.30 -1700 Gastro IP WR</li> </ul>
<b>Thurs</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 09.30 – 12.00 Gastro MDT meeting</li> </ul>		<ul style="list-style-type: none"> <li>• 14.00 – 17.00 SpR gastro clinic</li> </ul>

	<ul style="list-style-type: none"> <li>• 12.30 – 14.00 Gastro IP WR</li> </ul>		
<b>Fri</b>	<ul style="list-style-type: none"> <li>• 8.30 – 9.00 Handover meeting</li> <li>• 9.00 – 10.00 Reflective practice teaching session</li> <li>• 10.00 – 12.00 gastro IP WR</li> </ul>	Clinical admin time	<ul style="list-style-type: none"> <li>• 13.00 – 17.00 Training Endoscopy list</li> </ul>

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

Opportunity to take part in research including in clinical trials running in Department.

Audit projects related to service review &/or treatment protocol.

Supervise and teach junior staff (FY2, GP VTS, ST1-3 trainees) and medical students.

Training in research methodology, governance and IT skills available & encouraged

GCP training mandatory

Presentation of cases and studies at National and International meetings is encouraged

### Further training opportunities

Department gastroenterology teaching programme (weekly).

Paediatric allergy clinics; Regional paediatric allergy clinical network: Northern Paediatric Allergy Group

(N-PAG)

Paediatric Allergy e-module



## **Programme Description**

Bone marrow transplantation (BMT) for GI conditions and managing complications after BMT for Primary  
Immune Deficiencies / Haematological conditions  
Laboratory training in all relevant diagnostic adjuncts  
Attendance at IBD transition clinics with paediatric and adult IBD team  
Attendance at outreach Paediatric Hepatology clinics (Leeds consultant)  
Attendance at adult endoscopy training sessions / lists  
Preparing equipment and performing GI investigations including pH studies / H2 breath tests, high resolution oesophageal manometry / capsule enteroscopy / oesophageal impedance  
Involvement and training in GI child protection cases - usually on FII spectrum  
Management training including attendance at Directorate Meetings

## **Any further information**

The Newcastle upon Tyne Hospitals NHS Foundation Trust (NuTH) is one of the largest and most successful teaching hospitals in England, assessed as "Outstanding" in 2016 by the Care Quality Commission (CQC)  
We provide one of the highest number of specialist services of any Trust in the UK and are recognised nationally and internationally as a centre for healthcare excellence.  
Newcastle has a deserved reputation for being one of the friendliest and liveliest cities in Europe. The region has beautiful coastline / countryside and a low cost of living. Accommodation varies from central city and riverside, through suburban to the urban periphery, stretching into the counties of Northumberland and Durham in easy commuting distance.

## **Contact details for unit**

Dr Maureen Lawson  
Great North Children's Hospital  
Royal Victoria Infirmary, Newcastle upon Tyne  
E-mail: Maureen.lawson@nuth.nhs.uk  
Telephone: 0191 2824077

## Programme Description

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Birmingham Children's Hospital NHS Trust
Deaneries involved:	West Midlands

### Outline of Programme

A 6 month placement in the training programme in Departments of Gastroenterology & Nutrition and the Liver Unit (6 months) at Birmingham Children's Hospital NHS Trust.

### Departmental Information

Birmingham Children's Hospital NHS Foundation Trust is one of only four NHS Trusts in the country specialising exclusively in the care of children and young people. It provides local general hospital and mental health services to residents of Birmingham and highly specialist care to a wider population of 5.5 million in the West Midlands and from all over the UK and Europe and is one of the leading paediatric teaching and research centres in the country.

The Hospital provides 50 Specialties and supporting departments with 360 beds (including CAMHS), 48 day beds and 31 PICU beds. A regional gastroenterology service is provided for children with acute and chronic intestinal disorders, and a supra regional service for hepatology and hepato biliary surgery including liver and intestinal transplantation.

### Teams

1. The Gastroenterology team consists of 6 Consultants, two ST 5-8 trainees, a Senior Clinical Fellow for Nutrition and Gastroenterology, two further trainees (FY2 and ST3), one Advanced Nurse Practitioner in Gastroenterology, one Gastroenterology Specialist Nurse, and three Senior Specialist Dieticians.
2. The Nutritional Care Team has three additional Nutritional Care nurses (one Clinical Nurse Specialist) and a family support worker who provide care for patients on Home Parenteral Nutrition.
3. The Nutrition and Intestinal Failure Team team provide dedicated support and education for teams managing patients in the Trust on Parenteral Nutrition. The trainee will spend time in this team with daily input from a dedicated Consultant on service for Nutrition plus other dedicated members, namely two PN Pharmacists, two additional senior Specialised dieticians, and a further Intestinal failure Nurse Specialist.

Supervisor(s) Dr S Protheroe, Dr R Bremner

### Clinical Training Responsibilities

The trainee participates in weekly specialist, multidisciplinary activity such as clinics, daily ward rounds (either Gastroenterology or Nutrition). There are specialised joint clinics for Transition, IBD and Liver Disease, IBD surgery, Polyposis Syndromes, Intestinal Failure/ Home PN and so on. The trainee participates in the investigation and management of patients with severe or unusual disorders who may be managed by the team or different clinical teams in the Trust. Experience is offered in day and ambulatory care of children and wide experience in clinical nutrition.

### Workload / Rota Arrangements / Example Timetable

The grid trainee will share the workload with a further regional or grid trainee and a Senior Clinical Fellow. By sharing the workload into 3 rotating duties which are a] ward service b] nutrition service and c] ambulatory care, ample opportunities for specialised training are available. Trainees are provided with frequent access to dedicated training clinics and training endoscopy lists. The trainee participates in the Hospital at Night on call schedule to ensure a compliant rota, and this allows adequate time to spent training in the speciality. This on call system provides excellent experience in leading a clinical team to manage emergency paediatric care, including in the speciality of gastroenterology and hepatology with appropriate access to day time training opportunities. The Gastroenterology team undertakes >10 clinics and 4 dedicated endoscopy GA theatre lists / week, and cares for up to 20 in-patients at a time.

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

Participation in audit, quality improvement, research, undergraduate and postgraduate teaching and learning other skills such as management is well supported and expected. Opportunities for

### **Programme Description**

protected study/ research leave are provided with cross cover from colleagues and the trainee can be involved with on going research projects.

### **Further training opportunities**

The trainee has the opportunity to gain skills in specialist procedures such as diagnostic and therapeutic endoscopy, video capsule endoscopy, impedance/pH studies, breath tests and manometry

### **Contact details for unit**

Dr S. Protheroe, Consultant Paediatric Gastroenterologist, sue.protheroe@nhs.net

# Scotland North

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Royal Aberdeen Children's Hospital	North of Scotland Paediatric Gastroenterology	18	Dr Su Bunn <a href="mailto:Su.bunn@nhs.net">Su.bunn@nhs.net</a>	C	Y
Birmingham Children's Hospital	Paediatric Hepatology	6	Dr Mona Abdel-Hady <a href="mailto:Mona.abdelhady@nhs.net">Mona.abdelhady@nhs.net</a>	C	Y
Royal Hospital for Sick Children, Glasgow	West of Scotland Paediatric Gastroenterology	12	Dr Andy Barclay <a href="mailto:Andrew.Barclay@ggc.scot.nhs.uk">Andrew.Barclay@ggc.scot.nhs.uk</a>	C	Y

## Additional Information

Scotland is now one Deanery with 4 regions. This post will involve training in both North (Aberdeen) and West (Glasgow) regions of the Scotland Deanery in addition to 6 months of Paediatric Hepatology in Birmingham England. Commitment to assist with expenses during period of training out with Scotland has been sought from NHS Education for Scotland (NES).

This is a grid post provided across 2 centres in Scotland within the Scotland Deanery and will give a breadth of experience taking advantage of the respective strengths of each of the two centres. The training will take place over a period 3 years in line with the current paediatric gastroenterology training curriculum with 18 months in the North of Scotland and 12 months in Glasgow. Three consultants based in Aberdeen provide comprehensive tertiary PGHAN care to children of Tayside, Grampian, Highland, Orkney and Shetland as part of North of Scotland Paediatric Gastroenterology, Hepatology and Nutrition Network (NoSPGHANN). 18 months grid PGHAN training within NoSPGHANN will provide excellent grounding in general gastroenterology, tertiary level hepatology, paediatric inflammatory bowel disease, MDT working, complex enteral feeding and the full range of diagnostic testing including endoscopy, pH/impedance monitoring, oesophageal manometry, capsule enteroscopy, and breath tests. The 12 month training period in Glasgow will focus on subspecialty PGHAN and the management of intestinal failure, to provide comprehensive coverage of all non-hepatology areas of the PGHAN curriculum. The 6 month post in Birmingham Children's Hospital will complete the full PGHAN specialty training curriculum.

## Programme Description

Sub-specialty:	Paediatric Gastroenterology
Base Unit:	Royal Aberdeen Children's Hospital
Deaneries involved:	North and West of Scotland, King's

### Outline of Programme

18 months PGHAN at Royal Aberdeen Children's Hospital (RACH)

6 months Hepatology at Birmingham Children's Hospital

12 months PGHAN at Royal Hospital for Sick Children, Glasgow

The Royal Aberdeen Children's Hospital provides specialist PGHAN care for children in North of Scotland (NOS). Though smaller in population (though not in area - services covers 18,100 square miles) than most English PGHAN centres the NOS service is comprehensive, well organised and adequately staffed allowing excellent PGHAN training opportunities & access to clinics and endoscopy lists.

Three consultants based in Aberdeen provide comprehensive tertiary PGHN care to the children of Tayside, Grampian, Highland, Orkney and Shetland as part North of Scotland Paediatric Gastroenterology, Hepatology and Nutrition Network (NoSPGHANN). Clinical care is delivered by multidisciplinary teams of dietitians, nurses, psychologists and doctors (based in Dundee, Aberdeen and Inverness) who work closely with local paediatric staff. This training post is based predominantly in Aberdeen but attending outreach clinics and outreach endoscopy will be encouraged. Within the Aberdeen service there generally are 4 - 6 inpatients, 6 specialist PGHAN clinics / week including general gastroenterology, IBD MDT, dietician led coeliac and hepatology and 1 - 2 endoscopy lists with additional availability for emergency cases. The outreach hepatology service is provided by Kings College Hospital with regular clinics across the network. The enteral and parenteral nutrition service is supported by a nutrition nurse and there is excellent support from paediatric dietetics. There is a full range of diagnostic services supported by a technician and physiologist. The service works closely with colleagues in paediatric surgery, radiology, pathology and the adult gastroenterology team who are based at same site in Aberdeen Royal Infirmary.

### Departmental Information

- Demographics
  - 1.3 million population over 18,100 square miles.
  - 3 tertiary paediatric gastroenterologists based in Aberdeen
  - 2 endoscopy lists / week, > 450 procedures annually
  - > 25 specialist PGHN clinics across the 3 sites per month seeing - 2000 out-patients including > 700 new cases annually
  - 150 children with IBD under follow up; ~30 new cases of IBD per year.
  - 51 children on Biologic therapy across the 3 centres
  - 3 HPN patients (all in Highland)
  
  - 50 children with specialist hepatology conditions under regular follow-up across the 3 centres
  - 7 x Kings College Hospital hepatology outreach clinics per year
  
- Team
  - Royal Aberdeen Children's Hospital
  - 2.8 WTE PGHAN Consultants - Drs Su Bunn, Iain Chalmers and Shyla Kishore
  - 1.7 WTE Specialist nurse
  - 0.5 WTE Psychologist
  - 1.4 WTE Dietician
  - 0.2 WTE Paediatric pharmacist
  - 0.2 WTE GI technician
  
  - Tayside Children's Hospital MDT
  - 0.6 WTE PGHAN commitment (Dr D Kastner)
  - 1.0 WTE Specialist nurse

## Programme Description

0.7 WTE Dietician  
0.2 WTE Psychologist

Raigmore Hospital MDT  
0.4 WTE PGHAN commitment (Dr D Goudie)  
0.6 WTE Specialist nurse  
0.6 WTE Dietician  
0.2 WTE Psychologist  
GI technician support

- Supervisor(s)  
Dr S Bunn (Educational Supervisor)  
Dr I Chalmers (Clinical Supervisor)

## Clinical Training Responsibilities

- The program takes into account the guidelines put forward for training in paediatric gastroenterology by the British Society for Paediatric Gastroenterology Hepatology & Nutrition
- Inpatient care: Responsibility for the management of gastroenterology inpatients & initial consults referred by other specialist teams
  - Outpatient care: Supervised speciality trainee general PGHAN weekly clinic & IBD weekly clinic RACH & access to multiple outreach / specialist clinics
  - Endoscopy: Excellent access to training lists. Experienced and trained trainers. Training includes simulation training.
  - Other investigative techniques: The trainee will have specific training in a variety of diagnostic techniques including oesophageal pH / impedance studies, gut motility studies, capsule enteroscopy and breath tests
  - IBD: Specialist weekly clinics, weekly IBD MDT meetings and monthly Biologic annual review meetings. Trainee will be expected to be actively involved with inpatient and outpatient IBD caseload and decision making.
  - Nutrition: The trainee will undergo training in the nutritional management of infants, post-surgical neonates and older children requiring both enteral and parenteral nutritional support. Extensive training in complex enteral feeding techniques with a fully integrated surgical / radiological GI complex enteral feeding service. Training in gastrostomy insertion / replacement; placement / replacement of gastrojejunal tubes; placement of nasojejunal feeding tubes and placement of nasal bridges.
- General Paediatrics ~ 1:10 on call. < 30% time in general paediatrics.

## Workload / Rota Arrangements / Example Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	<ul style="list-style-type: none"> <li>• Inpatient RACH MDT ward-round</li> <li>• Gastro MDT meeting</li> <li>• (Elgin PGHAN outreach clinic)</li> </ul>	<ul style="list-style-type: none"> <li>• Inpatient SpR RACH ward-round</li> <li>• (Dundee PGHAN outreach clinic 1:2)</li> <li>• RACH endoscopy list 1:4</li> </ul>	<ul style="list-style-type: none"> <li>• Biologics meeting / IBD clinic RACH</li> <li>• (Perth PGHAN outreach clinic 1:4)</li> </ul>	<ul style="list-style-type: none"> <li>• Inpatient RACH MDT ward-round</li> <li>• IBD meeting RACH</li> <li>• (Inverness PGHAN outreach clinic 1:4)</li> </ul>	<ul style="list-style-type: none"> <li>• Inpatient SpR RACH ward-round</li> <li>• CME / M&amp;M meeting</li> <li>• (Inverness PGHAN outreach clinic 1:4)</li> </ul>
LUNCH	<ul style="list-style-type: none"> <li>• NOSP GHAN Education/ Journal club (bi-monthly)</li> </ul>	<ul style="list-style-type: none"> <li>• RACH PGHAN teaching 1:2</li> <li>• RACH Xray meeting</li> </ul>	<ul style="list-style-type: none"> <li>• SSPGHAN VC training 1:4</li> <li>• Grand round</li> </ul>	<ul style="list-style-type: none"> <li>• Histology meeting 1:4</li> <li>• MRI meeting 1:4</li> </ul>	<ul style="list-style-type: none"> <li>• Audit / research / Admin</li> </ul>
PM	<ul style="list-style-type: none"> <li>• RACH general PGHAN SpR clinic</li> </ul>	<ul style="list-style-type: none"> <li>• Dundee endoscopy 1:2</li> <li>• Audit /</li> </ul>	<ul style="list-style-type: none"> <li>• Inpatient RACH ward-round</li> </ul>	<ul style="list-style-type: none"> <li>• RACH endoscopy list weekly</li> </ul>	<ul style="list-style-type: none"> <li>• Audit / research / Admin</li> </ul>

## Programme Description

	• RACH hepatology clinic 1:4	research / Admin	• Adult IBD / endoscopy simulator training	• (Inverness PGHAN outreach clinic 1:4)	• (Inverness PGHAN outreach clinic 1:4)
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NB: Transport +/- accommodation reimbursed for Dundee and Inverness out-reach service. Outreach attendance will be discussed and planned with supervisor on monthly basis.

Other clinics - attendance encouraged: Paediatric allergy / neurodisability feeding / metabolic / dietetic-led coeliac / transition IBD

### GENERAL PAEDIATRICS:

< 30% commitment to general paediatrics. ~ 1:14 weekends, 1: 10 nights and ~ 5 long days / year

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

- Significant input into research/ audit/ benchmarking, teaching, clinical governance and service development/management will be expected. There will be adequate capacity in the timetable for this.
- Presentations at Scottish, British and International PGHAN meetings will be encouraged and facilitated
- NOSPGHAN submits data to the Scottish Paediatric IBD database & other Scottish incidence / prevalence studies. Involvement is encouraged.
- Opportunities to complete a higher degree in PGHAN research within Scotland are available in Aberdeen and other Scottish centres.

### Further training opportunities

- Trainee can maximise the learning opportunities by attending outreach clinics/ endoscopy sessions.
- Adult GI team on same site and opportunity to augment endoscopy training / exposure to therapeutic skills and joining in bleeding rota.
- Access to simulator endoscopy training centre in Dundee.
- Access to Adult team IBD MDT, clinics and teaching sessions.

### Any further information

The NOS training placement will allow excellent PGHAN training in all areas including enteral feeding but limited exposure to intestinal failure and parenteral nutrition. The 1 year placement at the Royal Hospital for Sick Children, Glasgow will focus on intestinal failure and parenteral nutrition and Dr Andy Barclay, Nutrition Lead in Glasow will supervise the NOS GRID trainee during their Glasgow placement to ensure curriculum is completed to a high standard.

With a population of approximately 210,000, Aberdeen city stands between the Rivers Dee and Don. This historic city has many architectural splendours and the use of its sparkling local granite has earned Aberdeen the name of the Silver City. Aberdeen City and Aberdeenshire enjoy excellent communication services with an International Airport and Ferry port. There are plentiful air links with all the major European Hubs and flying time to London is just over one hour, which provides a plentiful supply of onward travel connections. Road and rail links to all points north and south are excellent. Aberdeen City is well known for its rich provision of cultural amenities including His Majesty's Theatre, Music Hall, Art Gallery, and Museums. There are plenty of opportunities for indoor and outdoor sporting and leisure activities. The Cairngorms National Park, the UK's largest National Park, is in easy reach of the city offering multiple outdoor pursuits including watersports, snowsports, wildlife watching, and some incredible high and low level walking and cycling routes. Education facilities are excellent and in addition to Regional Education Authority schools, there are two fee-paying co-educational schools and one school for girls.

The University of Aberdeen is a fusion of two ancient universities: Kings College founded in 1495 and Marischal College which dates from 1592. The University maintains an outstanding record in scholarship and supports a high level of teaching and learning underpinned by a first class portfolio of research programmes and currently has 13,000 matriculated students.

### Contact details for unit

Dr Su Bunn

Consultant Paediatric Gastroenterologist

## Programme Description

Royal Aberdeen Children's Hospital  
Westburn Road  
AB25 2ZG  
Telephone: 01224 554715  
Email: su.bunn@nhs.net



## Programme Description

Subspecialty:	Hepatology
Base Unit:	Birmingham Women's and Children's NHS Trust (BWCH)
Deaneries involved:	West Midlands

## Outline of Programme

This is a 6 months training post in hepatology at Birmingham Children's Hospital (BCH) as a part of the PGHAN grid rotation.

## Departmental Information

### Demographics

The Liver Unit at BCH is 1of only 3 national centres for specialised paediatric liver services and transplantation. It comprises a multi-disciplinary team (MDT), which provides a supra-regional service for children with all forms of liver disease, acute liver failure and liver and small bowel transplantation. The Unit has 15 beds including a 3 bedded high dependency unit. The unit works closely with both the transplant service at the University Hospital of Birmingham (UHB), and the Department of gastroenterology and nutrition at BCH. Liver transplantation has been carried out since 1989 with a combined total of 40 liver, combined liver-kidney or liver-small-bowel transplant procedures are being carried out per year. All aspects of paediatric hepatobiliary surgery are provided and the Unit is one of only three nationally designated centres for Kasai portoenterostomy.

### Team

6.6 Consultant Paediatric Hepatologists, 2 Consultants in Paediatric Hepatobiliary Surgery and Transplantation and 3 Consultant Transplant surgeons based at UHB; 3 level 3 trainees , 1 Level 2 trainee, Clinical research Fellow, International Clinical fellow and physician associate. MDT consisting of dieticians, physiotherapist, social and Family support workers, research & specialist nurses

The Clinical Lead is Mr Khalid Sharif and the Educational Lead is Dr Mona Abdel-Hady .

## Clinical Training Responsibilities

The trainee will gain experience in management of children with all forms of liver disease, the peri-operative care of children receiving liver, and liver and small bowel transplantation, and co-ordination of investigations including liver biopsies and endoscopies. Trainee will participate in specialised liver clinics (CF, Metabolic, Fatty liver, Viral hepatitis, adolescent transition, joint intestinal failure clinics) and will gain experience in performing diagnostic and therapeutic endoscopic procedures and liver biopsies. The trainee will have the exciting opportunity to gain experience in assessing children for intestinal transplantation, the inpatient management peri transplant and the long term management (including endoscopy and ileoscopy of the graft) and the detection of complications unique to this exceptional cohort of patients.

He/She will provide support for the nurse led telephone follow up clinic and receive training in making management plans and giving feedback to the referring hospital.

## Workload / Rota Arrangements / Example Timetable

	Am	Pm
Monday	Weekend Handover	Ward cover

## Programme Description

	Procedures list/ Ward work Histology meeting 13.00-14.00	OR Outpatients session
<b>Tuesday</b>	MDT radiology meeting 08:00 - 09:00 MDT Ward round 09:00 - 11:00 Liver Unit research & development meeting 13:00-14:00hrs	Ward cover Outpatient's session Admin or research time
<b>Wednesday</b>	Outpatient clinic review /teaching session 08:30-10:00 Ward round 10:30-12:30 Or Procedures list 08:30 - 12:30hrs Hospital Grand Round 13:00-14.00 hrs	Admin or research time OR Outpatient session Ward cover
<b>Thursday</b>	Outpatient clinic review/teaching session 09:00 - 10:30 hrs Ward round 10:30-12:00 Liver unit teaching Seminars 12:00-13:00 Liver Unit Business meeting 13.00-14.00	Admin or research time Outpatient session Ward cover
<b>Friday</b>	MDT Transplant meeting 08:00 - 09:00 Multidisciplinary ward round 9.30-12.30 OR Procedures list	Admin or research time Ward cover

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

**Teaching:** Trainees will be offered excellent teaching opportunities having time to attend the Hospital postgraduate teaching programme and structured teaching is provided within the Department. Trainees are expected to participate in the teaching of undergraduate medical students, student nurses.

**Research:** There are ample opportunities for research within the Department. Current research projects include therapy of viral hepatitis, new treatments for portal hypertension, **n**on-invasive markers of rejection following small bowel transplantation, the molecular basis of inherited metabolic liver and/or bowel disease, **e**valuation of alternative immunosuppression protocols and monitoring tools, etc.

### Contact details for unit

For informal enquiries please contact Dr Mona Abdel-Hady (mona.abdelhady@nhs.net) 0121 3338252/3339079

# Severn and West Midlands

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Bristol Children's Hospital	Paediatric Gastroenterology	18	Dr Christine Spray  Christine.Spray@UHBristol.nhs.uk	C	Y
Birmingham Children's Hospital	Paediatric Gastroenterology	12	Dr Sue Protheroe  sue.protheroe@bch.nhs.uk	C	Y
Birmingham Children's Hospital	Hepatology	6	Dr Girish Gupte  girish.gupte@bch.nhs.uk	C	Y

## Programme Description

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Bristol Royal Hospital for Children
Deaneries involved:	Severn / Midlands

### Outline of Programme

This is 12-18-month placement for national training programme in paediatric gastroenterology rotating in 2 large tertiary centres - Bristol Royal Hospital for Children (BRHC) and paediatric gastroenterology department and liver unit at Birmingham Children's hospital (BCH). The post will provide experience in Multidisciplinary team and supportive environment for managing a wide variety of gastrointestinal (GI) conditions, Nutritional and Hepatology conditions at a tertiary level which form majority of training requirements for the specialist GI curriculum. There is good exposure to managing complex patients comprehensively with interdependent specialities within the BRHC. The GI team are also responsible for managing patients admitted to hospital with anorexia nervosa with close liaison with community psychiatric teams. There are close clinical and training links with Adult Gastroenterology and Surgical teams at BRI.

### Departmental Information

- Demographics  
Bristol Royal Hospital for Children provides a tertiary level paediatric service to Avon and the surrounding South West region taking referrals from all over. It is a large geographical region serving a paediatric population of approximately 1 million. Some patients are referred from Wales or outside of the country.
- Team  
Professor Bhupinder Sandhu, Dr Christine Spray (clinical lead), Dr Dharam Basude (Endoscopy lead), Dr Anthony Wiskin (Nutrition Lead) and Dr Eleni Volanaki (training and complex care lead): Consultant paediatric gastroenterologists  
Miss Eleri Cusick, Miss Janet McNally, Mr Robin Garrett-cox; Consultant paediatric surgeons with a special interest in GI  
Dr Tom Creed, adult gastroenterology (transition), Dr Jim Portal; adult hepatology (transition)  
Mrs Elena Zil-Garagozano, Mrs Pippa Taylor; GI nurse specialist  
Mrs Jacqui Porter; GI investigations nurse specialist  
Ms Lizzie Hutchins, Nutritional nurse specialist  
Mrs Lauren McVeigh, Ali Dining- GI dieticians, Mr Jason Byers NST dietitian  
Mrs Sophie Velleman, Psychologist  
Mrs Pauline Spencer, Mrs Nina Hathaway, Mrs Hayley Winkworth, GI secretaries  
2 SpRs with 1 grid, 1 rotating in general paediatrics and 1 ST2-3
- Supervisor(s)  
Dr Christine Spray, Dr Dharam Basude, Dr Anthony Wiskin, Dr Eleni Volonaki

### Clinical Training Responsibilities

The grid trainee will work in Multidisciplinary team and are responsible for management of inpatients with gastrointestinal, hepatology and nutritional problems. The trainee will gain experience looking after patients both as in-patient, ambulatory and out-patients with at least 1 clinic per week (trainee led) and rapid access clinics. They will have opportunity for tertiary consultations and urgent reviews for interdependent speciality patients and regional network from 12 DGHs. The trainee will have opportunity to gain endoscopy training for both upper and lower GI endoscopy with protected trainee lists and experienced trainers and opportunity to learn therapeutic techniques. They can attend weekly Nutrition rounds as part of the Nutrition support team. The trainee will have the opportunity to spend time with our GI investigations nurse and develop skills in other GI procedure such as Wireless video capsule, oesophageal pH monitoring/impedance, breath tests and manometry. They will attend regular MDT meetings including; histopathology; radiology and monthly MDT meetings for complex patients.

### Workload / Rota Arrangements / Example Timetable

## Programme Description

The grid trainee will have a commitment to the general paediatric rota within the hospital and will work a full shift rota. The registrars will be expected to negotiate annual leave between them and the ST2-3 so that ideally there is 1 ST2-3 and 1 SpR available, although at times they may be the only trainee working with the on-service Consultant.

## Illustrative Timetable

	Morning	Lunchtime	Afternoon
Monday	Consultant ward round	Joint adult/paediatric GI meeting	Ward work/consults audit/research time
Tuesday	MDT grand round Urgent day case reviews	X-ray meeting (2 weekly)	GI outpatients
Wednesday	Endoscopy teaching list Nutritional ward round	Histology meeting (2 weekly)	Ward work/consults audit/research time
Thursday	Endoscopy Consultant ward round	Journal club (weekly)	Ward work/patient administration Rapid access clinic
Friday	Endoscopy Consultant ward round	Hospital grand round	Patient reviews/ward work

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

The trainee will be expected to participate in audit. They will be encouraged in developing research skills and to present at the weekly departmental journal club. They will be encouraged and supported for presentations at regional and national/international meetings. They will participate in the teaching of medical students, nurses, doctors and other staff. There is a teaching programme delivered by the Consultants

## Further training opportunities

Great opportunity to attend many additional specialist clinics:  
Joint gastro/surgical clinic monthly  
Hepatology clinic monthly  
Joint hepatology clinic with Birmingham Liver Consultant twice yearly  
GI adolescent transition clinic twice yearly  
Hepatology adolescent transition clinic twice yearly  
Peripheral out reach clinics - Swindon, Truro, Plymouth, Torbay, Exeter .

## Any further information

The department is actively involved with European special interests groups such as Inflammatory Bowel Disease and other working groups both clinically and with regard to research activity as well as within Britain.

There is a joint South West/South Wales Paediatric Gastroenterology network meeting 3x per year where difficult and interesting cases from the region are discussed

## Contact details for unit

Dr Dharam Basude via Mrs Pauline Spencer on 0117 342 8828 or by email: Pauline.Spencer@UHBristol.nhs.uk or Dharamveer.Basude@UHBristol.nhs.uk

## Programme Description

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Birmingham Children's Hospital NHS Trust
Deaneries involved:	West Midlands

### Outline of Programme

A 1-2 year placement in the training programme in Departments of Gastroenterology & Nutrition (up to 18 months) and the Liver Unit (6 months) at Birmingham Children's Hospital NHS Trust.

### Departmental Information

Birmingham Children's Hospital NHS Foundation Trust is one of only four NHS Trusts in the country specialising exclusively in the care of children and young people. It provides local general hospital and mental health services to residents of Birmingham and highly specialist care to a wider population of 5.5 million in the West Midlands and from all over the UK and Europe and is one of the leading paediatric teaching and research centres in the country.

The Hospital provides 50 Specialties and supporting departments with 360 beds (including CAMHS), 48 day beds and 31 PICU beds. A regional gastroenterology service is provided for children with acute and chronic intestinal disorders, and a supra regional service for hepatology and hepato biliary surgery including liver and intestinal transplantation.

### Teams

1. The Gastroenterology team consists of 6 Consultants, two ST 5-8 trainees, a Senior Clinical Fellow for Nutrition and Gastroenterology, two further trainees (FY2 and ST3), one Advanced Nurse Practitioner in Gastroenterology, one Gastroenterology Specialist Nurse, and three Senior Specialist Dietitians.
2. The Nutritional Care Team has three additional Nutritional Care nurses (one Clinical Nurse Specialist) and a family support worker who provide care for patients on Home Parenteral Nutrition.
3. The Nutrition and Intestinal Failure Team team provide dedicated support and education for teams managing patients in the Trust on Parenteral Nutrition. The trainee will spend time in this team with daily input from a dedicated Consultant on service for Nutrition plus other dedicated members, namely two PN Pharmacists, two additional senior Specialised dietitians, and a further Intestinal failure Nurse Specialist.

Supervisor(s) Dr S Protheroe, Dr R Bremner

### Clinical Training Responsibilities

The trainee participates in weekly specialist, multidisciplinary activity such as clinics, daily ward rounds (either Gastroenterology or Nutrition). There are specialised joint clinics for Transition, IBD and Liver Disease, IBD surgery, Polyposis Syndromes, Intestinal Failure/ Home PN and so on. The trainee participates in the investigation and management of patients with severe or unusual disorders who may be managed by the team or different clinical teams in the Trust. Experience is offered in day and ambulatory care of children and wide experience in clinical nutrition.

### Workload / Rota Arrangements / Example Timetable

The grid trainee will share the workload with a further regional or grid trainee and a Senior Clinical Fellow. By sharing the workload into 3 rotating duties which are a] ward service b] nutrition service and c] ambulatory care, ample opportunities for specialised training are available. Trainees are provided with frequent access to dedicated training clinics and training endoscopy lists. The trainee participates in the Hospital at Night on call schedule to ensure a compliant rota, and this allows adequate time to spent training in the speciality. This on call system provides excellent experience in leading a clinical team to manage emergency paediatric care, including in the speciality of gastroenterology and hepatology with appropriate access to day time training opportunities. The Gastroenterology team undertakes >10 clinics and 4 dedicated endoscopy GA theatre lists / week, and cares for up to 20 in-patients at a time.

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

Participation in audit, quality improvement, research, undergraduate and postgraduate teaching and learning other skills such as management is well supported and expected. Opportunities for

### **Programme Description**

protected study/ research leave are provided with cross cover from colleagues and the trainee can be involved with on going research projects.

### **Further training opportunities**

The trainee has the opportunity to gain skills in specialist procedures such as diagnostic and therapeutic endoscopy, video capsule endoscopy, impedance/pH studies, breath tests and manometry

### **Contact details for unit**

Dr S. Protheroe, Consultant Paediatric Gastroenterologist, sue.protheroe@nhs.net

## Programme Description

Subspecialty:	Hepatology
Base Unit:	Birmingham Women's and Children's NHS Trust (BWCH)
Deaneries involved:	West Midlands

## Outline of Programme

This is a 6 months training post in hepatology at Birmingham Children's Hospital (BCH) as a part of the PGHAN grid rotation.

## Departmental Information

### Demographics

The Liver Unit at BCH is 1of only 3 national centres for specialised paediatric liver services and transplantation. It comprises a multi-disciplinary team (MDT), which provides a supra-regional service for children with all forms of liver disease, acute liver failure and liver and small bowel transplantation. The Unit has 15 beds including a 3 bedded high dependency unit. The unit works closely with both the transplant service at the University Hospital of Birmingham (UHB), and the Department of gastroenterology and nutrition at BCH. Liver transplantation has been carried out since 1989 with a combined total of 40 liver, combined liver-kidney or liver-small-bowel transplant procedures are being carried out per year. All aspects of paediatric hepatobiliary surgery are provided and the Unit is one of only three nationally designated centres for Kasai portoenterostomy.

### Team

6.6 Consultant Paediatric Hepatologists, 2 Consultants in Paediatric Hepatobiliary Surgery and Transplantation and 3 Consultant Transplant surgeons based at UHB; 3 level 3 trainees , 1 Level 2 trainee, Clinical research Fellow, International Clinical fellow and physician associate. MDT consisting of dieticians, physiotherapist, social and Family support workers, research & specialist nurses

The Clinical Lead is Mr Khalid Sharif and the Educational Lead is Dr Mona Abdel-Hady .

## Clinical Training Responsibilities

The trainee will gain experience in management of children with all forms of liver disease, the peri-operative care of children receiving liver, and liver and small bowel transplantation, and co-ordination of investigations including liver biopsies and endoscopies. Trainee will participate in specialised liver clinics (CF, Metabolic, Fatty liver, Viral hepatitis, adolescent transition, joint intestinal failure clinics) and will gain experience in performing diagnostic and therapeutic endoscopic procedures and liver biopsies. The trainee will have the exciting opportunity to gain experience in assessing children for intestinal transplantation, the inpatient management peri transplant and the long term management (including endoscopy and ileoscopy of the graft) and the detection of complications unique to this exceptional cohort of patients.

He/She will provide support for the nurse led telephone follow up clinic and receive training in making management plans and giving feedback to the referring hospital.

## Workload / Rota Arrangements / Example Timetable

	Am	Pm
<b>Monday</b>	Weekend Handover Procedures list/ Ward work Histology meeting 13.00-14.00	Ward cover OR Outpatients session
<b>Tuesday</b>	MDT radiology meeting 08:00 - 09:00 MDT Ward round 09:00 - 11:00 Liver Unit research & development meeting 13:00-14:00hrs	Ward cover Outpatient's session Admin or research time
<b>Wednesday</b>	Outpatient clinic review /teaching session 08:30-10:00 Ward round 10:30-12:30 Or Procedures list 08:30 - 12:30hrs	Admin or research time OR Outpatient session Ward cover



## Programme Description

	Hospital Grand Round 13:00-14.00 hrs	
<b>Thursday</b>	Outpatient clinic review/teaching session 09:00 - 10:30 hrs Ward round 10:30-12:00 Liver unit teaching Seminars 12:00-13:00 Liver Unit Business meeting 13.00-14.00	Admin or research time Outpatient session Ward cover
<b>Friday</b>	MDT Transplant meeting 08:00 - 09:00 Multidisciplinary ward round 9.30-12.30 OR Procedures list	Admin or research time Ward cover

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

**Teaching:** Trainees will be offered excellent teaching opportunities having time to attend the Hospital postgraduate teaching programme and structured teaching is provided within the Department. Trainees are expected to participate in the teaching of undergraduate medical students, student nurses.

**Research:** There are ample opportunities for research within the Department. Current research projects include therapy of viral hepatitis, new treatments for portal hypertension, non-invasive markers of rejection following small bowel transplantation, the molecular basis of inherited metabolic liver and/or bowel disease, evaluation of alternative immunosuppression protocols and monitoring tools, etc.

### Contact details for unit

For informal enquiries please contact Dr Mona Abdel-Hady (mona.abdelhady@nhs.net) 0121 3338252/3339079

# South East Scotland

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
RHC, Glasgow	GI Nutrition	12	Dr Andrew Barclay	C	Y
RHCYP, Edinburgh	GI Nutrition	18	Andrew.Barclay@ggc.scot.nhs.uk	C	Y
Birmingham Children's Hospital	Hepatology	6	Dr Mona Abdel Hady mona.abdelhady@nhs.net	C	Y

## Additional Information

This is a well-established rotational post in PGHAN that has been in existence for many years.

## Programme Description

Subspecialty:	Gastroenterology, Hepatology and Nutrition
Base Unit:	Royal Hospital for Sick Children, Glasgow
Deaneries involved:	Scotland - West/east and West London

## Outline of Programme

RHSC Glasgow provides specialised care in PGHN for the West of Scotland. The PGHN Department has clinical interaction with the major paediatric specialities all on one site at RHSC Glasgow. There are specific close links with the Departments of Surgery, Oncology, Endocrinology, Dietetics, Biochemistry, Pharmacy, Diagnostic Imaging and Pathology. Colleagues in Child & Adolescent Psychiatry, Speech and Language therapy and clinical nurse specialists provide multi-disciplinary support. The PGHN department manages a formal nutritional team for RHSC.

There is a daily average of 8-10 tertiary PGHN inpatients, in addition to shared care and consultations on many other specialist wards. We have 8 weekly gastroenterology clinics, which includes dedicated MDT IBD, Nutrition (HPN and enteral) and dietetic led Coeliac clinic. Specialist Liver clinics runs fortnightly and a multidisciplinary complex enteral feeding clinic runs monthly. There are approximately 550 new patients and 1700 follow up appointments per year. The PGHN Department has responsibility for parenteral nutrition support within RHSC and the home parenteral nutrition and enteral nutrition network for the West of Scotland. We have run at >18 HPN patients for the past 2yrs. Non- transplant Intestinal failure surgery is performed as part of an MDT intestinal rehabilitation programme. Outreach clinics are held in four regions with over 20 all day regional clinics a year. There are 4 weekly GA endoscopy lists within a dedicated endoscopy suite where all diagnostic and interventional therapy can be learnt. PGHN consultants undertook approximately 600 endoscopic procedures last year. There are strong links with adult gastroenterology units within Glasgow with transition IBD/liver clinics plus the opportunity to attend adult endoscopy lists, clinics and educational meetings. Hepatology Outreach is provided by clinics from Leeds (6/yr) and Kings College Hospital (2/yr), with referral for intestinal transplantation opinion to both BCH and Kings hospital. RHSC jointly cares for patients with motility disorders with Great Ormond Street Childrens Hospital, who perform outreach clinic in RHSC. There are strong links with adult gastroenterology units within Glasgow with transition IBD/liver clinics plus the opportunity to attend adult endoscopy lists, clinics and educational meetings.

## Departmental Information

- Demographics  
Children in the West of Scotland (total population ~3 million )
- Team  
Consultants: Dr AR Barclay, Dr RK Russell, Dr D Flynn, Dr R Hansen and Dr R Tayler (expanding to 6 consultants when Dr Victoria Merrick starts in 10.2018)  
  
11 specialist nurses, 4.5WTE dietitians, 0.8 psychol
- Supervisor(s)  
  
Training- Dr Andy Barclay, Endoscopy lead - Dr Richard Hansen

## Clinical Training Responsibilities

	AM	1-2 pm	PM
Monday	General/Liver clinic W/R	Rapid Access clinic	IBD Clinic

## Programme Description

Tuesday rounds	W/R Complex EN (monthly)	IBD/Surgical meeting	Endoscopy, nutrition Middle grade 1 studytime
	Endoscopy		
Wednesday	IBD team Meeting Nutrition consults round W/R	CPD Clinical/path/radiol MDT (monthly)	Grand Round
Thursday	Nutrition MDT W/R	Pathology (fortnightly)	Nutrition Clinic Middle grade 2 studytime
Friday	Endoscopy W/R Dr Flynn General Clinic		Endoscopy

## Workload / Rota Arrangements / Example Timetable

Grid registrar will usually share duties with another middle grade, either ST in SPIN or general ST6-8 or other Grid trainee. Trainee would contribute to out of hour paediatrics on a third tier (senior registrar rota).

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

In Glasgow there are close links with the University of Glasgow, Department of Human Nutrition with an opportunity to carry out both clinical and laboratory based research. Current research themes include IBD genetics and therapeutics, the role of the microflora in GI disease, and enteral nutrition in IBD. Joint research with the endocrinology group includes bone metabolism in IBD plus mechanisms of growth and pubertal delay in IBD patients.

The trainee will have an opportunity to undertake a MSc in clinical nutrition and also to attend the intercollegiate course in Human Nutrition. He/she will be encouraged to develop a research project and to undertake a higher degree dependent on the individual needs of the trainee.

Glasgow will be hosting ESPGHAN in 2019.

## Further training opportunities

Trainee can maximise the learning opportunities by attending outreach clinics/endoscopy sessions. Access to Adult team IBD MDT and teaching sessions.

## Any further information

Glasgow is the largest conurbation North of Hadrians wall. It is served by an international airport and major rail-links North and South. As the 'second city of the Empire' it is the premier centre for year-round culture in Scotland. It plays host to annual international musical (Celtic Connections, Summer Nights) and cultural (Glasgow Comedey Festival, West-end Festival, Aye Write, Bard in the Botanics, Mela) events, and the newly completed SECC Hydro complex is the second busiest public venue in the UK. Glasgow's architecture flourished under the tobacco lords of the 18-19<sup>th</sup> century with the 'Greek Thomson' and Charle Rennie Mackintosh buildings attracting enthusiasts from worldwide. Indeed many modern artist continue to find home with the Glasgow School of Art (GSA) boasting three Turner prize winners in recent year. There are many exhibitions in the GSA, Gallery of Modern Art and the Centre for Contemporary Arts. Boasting three professional football teams Celtic, Partick Thistle and Rangers, International, Champions League and Eurorpa League Football is a regular. The consistently best club in Scotland, Glasgow Warriors rugby team play at Scotstoun and also compete in European fixtures. Situated ten miles to South of Loch Lommond Glasgow is close to the South West Highlands, the Campsie fells, the Trossachs, Argyle and the network of Scottish Western Isles, much of Scotlands' famed scenic beauty is within day trip distance. However the 'Dear Green Place' is serviced by the greatest number of hectares of public parks per head of population in Western Europe, Queens Park, Rouken Glen and Pollock park being fantastic examples of Urban Wilderness'. Glasgow has an array of Educational Authority Schooling several fee paying schools

## Programme Description

located in many areas of the City. Finally Glasgow is 'made by people'. The local mix of Picts, Celts, North Brits and the long history of migrant populations from Ireland, the Commonwealth and more recently EU has made Glasgow a tolerant and welcoming place to people making it their new home. Glasgow is Scotland's most ethnically diverse city with many well established international communities, with culinary, religious and cultural facilities that reflect this.

**Contact details for unit** Dr Andy Barclay (0141 452 6575) [andrew.barclay@ggc.scot.nhs.uk](mailto:andrew.barclay@ggc.scot.nhs.uk)

## Programme Description

Sub-specialty:	Gastroenterology, Hepatology and Nutrition
Base Unit:	Royal Hospital for Children and Young People, Edinburgh
Deaneries involved:	Scotland: South-East Scotland/West of Scotland, West Midlands

### Outline of Programme

18 months Gastroenterology-Nutrition placement in Royal Hospital for Children and Young People, Edinburgh; 12 months Gastroenterology-Nutrition placement in Royal Hospital for Children, Glasgow; and 6 months supraregional Hepatology in Birmingham Childrens Hospital.

RHSC Edinburgh (RHSC) will move to a new site in 03.2019 and become known as Royal Hospital for Children and Young People (RHCYP); RHSC provides specialised care in PGHAN for the South-East of Scotland (SES). The PGHAN Department has clinical interaction with the major paediatric specialities all on one site at RHSC. There are specific close links with the Departments of Paediatric Surgery, Haematology-Oncology, Endocrinology, Dietetics, Biochemistry, Pharmacy, Radiology and Pathology. Colleagues in Child & Adolescent Mental Health Services, Speech and Language therapy and clinical nurse specialists provide multi-disciplinary support. Our comprehensive multidisciplinary regional service - the SES PGHAN network (SESPGHAN nw) - provides in patient and out patient care for secondary and tertiary PGHAN disorders of children and young people in SE Scotland (Lothian, Borders and Fife), plus any patients with PGHAN issues from the Scottish national spinal surgery, national ITU/HDU retrieval services, and other inpatients from out of region. The clinical lead of the regional PGHAN service is Prof DC Wilson.

There is a daily average of 6 tertiary PGHAN inpatients, in addition to shared care and consultations on many other specialist wards. We have multiple weekly PGHAN clinics, which includes dedicated MDT IBD, MDT Complex Nutrition (HPN and enteral), MDT liver and MDT Coeliac clinic. The PGHAN Department has responsibility for parenteral nutrition support within RHSCed and the home parenteral nutrition and home enteral nutrition network for SE Scotland. Non-transplant intestinal failure surgery is performed as part of our complex nutrition MDT. We have MDT PGHAN outreach to the non-located regional neonatal unit at Edinburgh Royal Infirmary. Outreach clinics are held in Borders, Fife and West Lothian regions with over 12 all day regional clinics a year. We have 3 TIVA/GA endoscopy lists every 2 weeks, where all diagnostic and interventional therapy can be learnt, with a monthly joint GI-upper GI surgery joint list for feeding tube placement. There are strong links with adult gastroenterology units within Edinburgh (WGH and ERI) plus the adult hepatology service at ERI (wherein is also situated the Scottish Liver Transplant Unit), with transition IBD/liver clinics plus the opportunity to attend adult endoscopy lists, clinics and educational meetings in Edinburgh and West Lothian. Supraregional paediatric hepatology Outreach is provided from Birmingham Children's Hospital (4/yr) with referral for intestinal transplantation opinion to both BCH and KCH. RHSC jointly cares for patients with motility disorders with Great Ormond Street Childrens Hospital via outreach clinic in RHSC Glasgow (2/yr from 2016). We have weekly IBD and complex nutrition MDT meetings, and monthly MDT hepatology.

### Departmental Information

- Demographics  
Children in the South-East of Scotland (total population ~1.4 million )
- Team  
Consultants : 1.0 wte of Dr PM Gillett, Dr D Mitchell, and Dr P Henderson; 0.5 wte of Prof DC Wilson, Dr CJ Burgess  
  
3.0 WTE specialist nurses, 2.3 WTE dietitians, 0.5 clinical psychology.
- Supervisor(s)  
GRID training- Prof David Wilson, Training - Dr Paul Henderson, Endoscopy lead - Dr Peter Gillett.

### Clinical Training Responsibilities

AM

1-2 pm

PM

## Programme Description

Monday	MDT WR	IF clinic (1230-1430)	IBD Clinic
Tuesday	MDT WR MDT PGHAN clinic	RHCYP Rounds	MDT IBD meeting Psychology (monthly) Pathology (x2/month)
Wednesday clinics	MDT WR GI Radiology MDT MDT Nutrition/liver meeting	CPD for trainees (PGHAN)	General PGHAN new patient Outreach clinics
Thursday	MDT WR	General Radiology	Endoscopy
Friday	MDT WR Coeliac/RHSC transition clinics	Grand Round	CPD for trainees (Paeds); audit/research Endoscopy

### Workload / Rota Arrangements / Example Timetable

Grid registrar will usually share duties with another middle grade, either ST in SPIN or general ST6-8 trainee. Trainee would contribute to out of hour paediatrics on 2nd tier (senior registrar rota).

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

The lead consultant is a Professor in the Department of Child Life and Health, University of Edinburgh, and Dr Henderson has National Research Scotland sessions. Current research themes include IBD (translation, clinical and epidemiology) Coeliac Disease, Nutrition Support, and hepatological disorders. There is a research associate in PGHAN within the Department, with expertise in clinical epidemiology and biostatistics, who can provide assistance with research and audit projects. There are close research links with the Department of Gastroenterology of the University of Edinburgh, situated in the Western General Hospital, Edinburgh. The trainee will be encouraged to develop a research project and to consider undertaking a higher degree (dependent on the individual needs of the trainee); the majority of our PGHAN trainees in SES have obtained MD or PhD.

Glasgow will be hosting ESPGHAN in 2019, and Edinburgh will host the 6<sup>th</sup> International Paediatric IBD symposium in 2021.

### Further training opportunities

Our trainee can maximise learning opportunities by attending outreach clinics/endoscopy sessions. Access to adult endoscopies including interventional, adult team MDT, and adult GI teaching sessions are available.

### Any further information

Edinburgh is the inspiring political and cultural capital of Scotland, where centuries of history meet a vibrant, cosmopolitan city in an unforgettable setting. With such a broad mixture of great things to see and do, Edinburgh and the Lothians are the place to be - stunning scenery, striking architecture, fine food, first-class attractions, fantastic shopping, great outdoor pursuits and beautiful coasts and countryside in the nearby Lothians, all reasons why Edinburgh is the world's festival capital. Edinburgh's New Town and Old Town are a UNESCO World Heritage Site. With a resident population of 450,000 is easy to live in and commute around. It is served by an international airport and major rail-links North and South. It plays host to the annual Edinburgh International Festival and the annual Fringe, Film, Music, Jazz, Book etc Festivals. We have the National Museum of Scotland, and for those interested in art, the National Galleries of Scotland (made up of the Scottish National Gallery, the Scottish National Portrait Gallery and the Scottish National Gallery of Modern Art) are an inspiring option. Edinburgh has a strong creative heritage, and was the inaugural UNESCO City of Literature; you can discover Scotland's literary geniuses at the Scottish Writers' Museum, which focuses on Robert Burns, Sir Walter Scott and Robert Louis Stevenson. There are 2 professional football teams (Hibs and Hearts) and the Murrayfield stadium hosts the Scottish rugby team; the Edinburgh rugby team play in Edinburgh and also compete in European fixtures. Edinburgh has an array of Educational Authority Schools plus several fee paying schools. Edinburgh is an ethnically

**Programme Description**

diverse city with many well established international communities, with culinary, religious and cultural facilities which reflect this.

**Contact details for unit**

Prof David Wilson (0131 536 0710) [d.c.wilson@ed.ac.uk](mailto:d.c.wilson@ed.ac.uk)



## Programme Description

Subspecialty:	Hepatology
Base Unit:	Birmingham Women's and Children's NHS Trust (BWCH)
Deaneries involved:	West Midlands

### Outline of Programme

This is a 6 months training post in hepatology at Birmingham Children's Hospital (BCH) as a part of the PGHAN grid rotation.

### Departmental Information

#### Demographics

The Liver Unit at BCH is 1of only 3 national centres for specialised paediatric liver services and transplantation. It comprises a multi-disciplinary team (MDT), which provides a supra-regional service for children with all forms of liver disease, acute liver failure and liver and small bowel transplantation. The Unit has 15 beds including a 3 bedded high dependency unit. The unit works closely with both the transplant service at the University Hospital of Birmingham (UHB), and the Department of gastroenterology and nutrition at BCH. Liver transplantation has been carried out since 1989 with a combined total of 40 liver, combined liver-kidney or liver-small-bowel transplant procedures are being carried out per year. All aspects of paediatric hepatobiliary surgery are provided and the Unit is one of only three nationally designated centres for Kasai portoenterostomy.

#### Team

6.6 Consultant Paediatric Hepatologists, 2 Consultants in Paediatric Hepatobiliary Surgery and Transplantation and 3 Consultant Transplant surgeons based at UHB; 3 level 3 trainees , 1 Level 2 trainee, Clinical research Fellow, International Clinical fellow and physician associate. MDT consisting of dieticians, physiotherapist, social and Family support workers, research & specialist nurses

The Clinical Lead is Mr Khalid Sharif and the Educational Lead is Dr Mona Abdel-Hady .

### Clinical Training Responsibilities

The trainee will gain experience in management of children with all forms of liver disease, the peri-operative care of children receiving liver, and liver and small bowel transplantation, and co-ordination of investigations including liver biopsies and endoscopies. Trainee will participate in specialised liver clinics (CF, Metabolic, Fatty liver, Viral hepatitis, adolescent transition, joint intestinal failure clinics) and will gain experience in performing diagnostic and therapeutic endoscopic procedures and liver biopsies. The trainee will have the exciting opportunity to gain experience in assessing children for intestinal transplantation, the inpatient management peri transplant and the long term management (including endoscopy and ileoscopy of the graft) and the detection of complications unique to this exceptional cohort of patients.

He/she will provide support for the nurse led telephone follow up clinic and receive training in making management plans and giving feedback to the referring hospital.

### Workload / Rota Arrangements / Example Timetable

	Am	Pm
<b>Monday</b>	Weekend Handover Procedures list/ Ward work Histology meeting 13.00-14.00	Ward cover OR Outpatients session
<b>Tuesday</b>	MDT radiology meeting 08:00 - 09:00 MDT Ward round 09:00 - 11:00 Liver Unit research & development meeting 13:00-14:00hrs	Ward cover Outpatient's session Admin or research time
<b>Wednesday</b>	Outpatient clinic review /teaching session 08:30-10:00 Ward round 10:30-12:30 Or Procedures list 08:30 - 12:30hrs	Admin or research time OR Outpatient session Ward cover

## Programme Description

	Hospital Grand Round 13:00-14.00 hrs	
<b>Thursday</b>	Outpatient clinic review/teaching session 09:00 - 10:30 hrs Ward round 10:30-12:00 Liver unit teaching Seminars 12:00-13:00 Liver Unit Business meeting 13.00-14.00	Admin or research time Outpatient session Ward cover
<b>Friday</b>	MDT Transplant meeting 08:00 - 09:00 Multidisciplinary ward round 9.30-12.30 OR Procedures list	Admin or research time Ward cover

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

**Teaching:** Trainees will be offered excellent teaching opportunities having time to attend the Hospital postgraduate teaching programme and structured teaching is provided within the Department. Trainees are expected to participate in the teaching of undergraduate medical students, student nurses.

**Research:** There are ample opportunities for research within the Department. Current research projects include therapy of viral hepatitis, new treatments for portal hypertension, non-invasive markers of rejection following small bowel transplantation, the molecular basis of inherited metabolic liver and/or bowel disease, evaluation of alternative immunosuppression protocols and monitoring tools, etc.

### Contact details for unit

For informal enquiries please contact Dr Mona Abdel-Hady (mona.abdelhady@nhs.net) 0121 3338252/3339079

# Thames Valley

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Oxford Children's Hospital	Paediatric Gastro	12	Dr Astor Rodrigues	C	Y
Chelsea and Westminster Hospital	Paediatric Gastro	12	Dr John Fell - C&WH	C	Y
King's College Hospital	Paediatric Hepatology	6	Dr Sanjay Bansal - KCH	C	Y
King's College Hospital	Paediatric Gastro	6	Dr B Vadamalayan - KCH	C	Y

## Programme Description

Sub-specialty:	Paediatric Gastroenterology
Base Unit:	Oxford Children's Hospital
Deaneries involved:	Oxford and London

## Outline of Programme

- o Tertiary referral centre for Paediatric Gastroenterology
- o Regional Paediatric Endoscopy Centre (diagnostic and therapeutic)
- o Transitional Clinic for Adolescents with IBD (with Dr Satish Keshav / Dr Rebecca Palmer)
- o Liver clinic (bi-annual) with Dr Girish Gupte from Birmingham
- o Nurse-led constipation service
- o IBD Clinics / Pancreatic Clinics / TOF Clinics / VEOIBD Clinics
- o Intestinal Failure Clinic and Home parenteral nutrition service

## Departmental Information

- Team
  - 1.0 WTE NHS Consultant (Dr Lucy Howarth)
  - 0.3 WTE Honorary Consultant (Dr Holm Uhlig)
  - 1.0 WTE NHS Consultant (Dr Astor Rodrigues)
  - 1.0 WTE Specialist registrar
  - 0.5 WTE SHO
  - 2.8 WTE clinical nurse specialist
  - 1 WTE secretary (NHS) shared between consultants
  - 1 WTE Dietitian
  
- Supervisor(s)  
Dr A Rodrigues

## Clinical Training Responsibilities

### Clinical Work

#### *Core Skills:*

- o Clinical assessment of children with gastrointestinal, liver and/or nutritional problems
- o Skills in co-operation with other specialists/MDT (surgery, radiology, pathology, oncology, dermatology, endocrinology and other tertiary paediatric subspecialties)
- o Skills in relevant aspects of organization and management
- o Experience in clinical audit

#### *Extended Skills:*

- o Some experience with diagnostic techniques for gastroenterology - upper GI endoscopy, colonoscopy, pancreatic function tests, motility studies, oesophageal pH and impedance studies, endoscopy management, Breath Tests.
- o Nutritional assessment
- o Knowledge of theory and techniques of enteral and parental nutrition support; role of nutrition support teams
- o Skills in teaching undergraduates and awareness of aids to teaching

#### *Inpatient Responsibilities:*

- o Daily ward Round and care of GI patients
- o Assessment and preliminary investigation of new patients
- o Preparation for and case presentation at weekly Grand Round
- o Booking cases/ Diary management for special investigations

#### *Outpatient Responsibilities:*

- o Attendance and provide assistance at regular clinics run on Monday/Wednesday/Friday

**Programme Description**

- o Run Thursday IBD/rapid access follow up clinic supervised by consultant

**Educational Program**

- o Excellent supervised training in an accredited centre of Paediatric Gastroenterology.
- o Specialized CME sessions dedicated to Paediatric Gastroenterology.
- o Opportunity to work in specialised clinics including intestinal failure clinics, pancreatic clinics, IBD/VEOIBD clinics, and constipation clinics.
- o Teaching on the membership teaching programme with other STR's and sub-specialty paediatrics
- o Participation in Regional Paed Gastro Training Days

**Workload / Rota Arrangements / Example Timetable**

Monday	Tuesday	Wednesday	Thursday	Friday
Ward Round OPD (AR) OPD (LH)	Grand Round	Ward Round Histology meetings Radiology meetings Nutrition rounds	Ward Round  OPD Registrar GI clinic	Ward Round  OPD (AR)
Admin / preparation for GR next day	Endoscopy List	OPD (HU, LH, AR)	Endoscopy list	Teaching/Training/Research

AR - Astor Rodrigues; LH - Lucy Howarth; HU - Holm Uhlig

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

**Research**

Current Research Projects include:

- o BIFS study
- o IBD cohort study
- o COLORS study
- o HoSt-IT study

The trainee will be expected to take on / join an on-going research project, and will be encouraged to present at national and international paediatric GI meetings.

**Further training opportunities**

**Additional Training Opportunities**

- o Excellent interface with Oxford University Academic Paediatrics
- o Opportunity to perform research project/s in paediatric gastrointestinal disease.

Programme Description

Contact details for unit

01865231114

# Wessex

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
University Hospital Southampton NHS Trust`	Paediatric gastroenterology and Nutrition	18	Akshay Batra  <a href="mailto:Akshay.batra@uhs.nhs.uk">Akshay.batra@uhs.nhs.uk</a>	C	Y
The Royal Free London NHS Foundation Trust	Paediatric gastroenterology and Nutrition	12	TBC	C	Y
Kings College London	Hepataology	6	TBC	C	Y

## Programme Description

Sub-specialty:	Paediatric Gastroenterology, Hepatology and Nutrition
Base Unit:	University Hospital Southampton NHS Trust
Deaneries involved:	Wessex and London Deaneries

### Outline of Programme

This post is designed for higher specialist trainees who want to be accredited in paediatrics and PGHAN (paediatric gastroenterology, hepatology and nutrition). It comprises a three year rotation between Wessex and London deaneries, with first 18 month training in gastroenterology and nutrition in Wessex followed by 18 months in London deanery to include 6 months of hepatology in King's college Hospital. The post offers a varied experience and training in all aspects of the specialty.

### Departmental Information

- Demographics  
There is large and varied caseload providing good exposure to GI conditions including IBD, functional gastrointestinal disorders, Intestinal failure and liver disease. There is large and varied caseload providing good exposure to GI conditions including IBD, functional gastrointestinal disorders, Intestinal failure and liver disease. There are 11 weekly outpatient clinics and more than 20 outreach clinics per year in 9 shared care centres where over 5000 patients are seen annually. The service has approximately 60 new patients with Inflammatory Bowel disease diagnosed every year and 18 Home Parenteral Nutrition patients with at least 77 referrals for Type I & II IF to our Nutrition support team per year.
- Team  
The PGHAN service is comprised of 4 consultants, an associate specialist, 4 specialist nurses, 4 dieticians and is supported by psychology, speech and language, radiology and pathology services. There is 1 ST4-8, 1 ST1-3, 1 FY trainee and 1 research fellow in the department. The team works closely with other specialties within children's hospital as well as adult gastroenterology and hepatology services. There are good links with regional pediatricians with interest in gastroenterology and we run outreach clinics in 9 hospitals.
- Supervisor(s)  
There are 4 consultants who contribute to training and there is specific time allocated in job plans to deliver training and supervision. Trainees have access to general gastroenterology and specialist outpatient clinics, inpatient work and endoscopy lists where they are appropriately supervised and supported.

### Clinical Training Responsibilities

There are specialist clinics including intestinal failure, coeliac, hepatology and transition clinics. There are joint clinics with allergy, surgery, paediatric hepatology from King's college hospital and adolescent hepatology. There are specialist clinics including intestinal failure, coeliac, hepatology and transition clinics. There were around 1200 diagnostic and therapeutic endoscopies performed last year providing adequate exposure to training needed to get JAG accreditation. We currently have There are 3 dedicated registrar clinics per week where they can see both new and follow up patients supervised by consultants. Inpatient work involves managing patients on parenteral nutrition, infants with feeding difficulties and children admitted with acute worsening of IBD. Being the only training registrar they have access to 2.5 endoscopy lists per week. Around 1200 diagnostic and therapeutic endoscopies were performed last year providing adequate exposure to training needed to get JAG accreditation. There is access to training in other investigation modalities e.g. impedance monitoring and manometry. Trainees attend weekly nutrition support meeting and alternate month intestinal failure clinic.

There are various multidisciplinary meetings discussing inpatients which are attended by the trainees including weekly grand rounds, nutrition support team meetings, monthly psychosocial meeting, alternate month mortality and morbidity meeting. There is also a monthly joint paediatric and adult IBD meetings attended by pathology and radiology and a weekly histopathology meeting.

### Workload / Rota Arrangements / Example Timetable



## Programme Description

The Wessex deanery St4-8 programme is compliant for paediatric level 2 and 3 training. There is balance between training in gastroenterology during hours and out of hrs on call, providing adequate exposure to complete CCT training in paediatrics and PGHAN.

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

There is a structured training program within the hospital with dedicated bleep free teaching sessions. There is adequate exposure to endoscopy training and our recent trainees have all been able to get JAG accredited for OGD and colonoscopies. There are 3 dedicated registrar clinics where trainee can see both new and follow up patients supervised by consultants. There is access to various specialized clinics (hepatology, intestinal failure, feeding clinic etc.) which they can attend. The nutrition support team along with the nutrition biomedical research centre provide excellent clinical and research opportunities for training in nutrition. Trainees attend ward rounds daily and are supported to lead ward rounds regularly. They also provide consults and contribute to joint management of patients admitted under other specialties especially surgery and cardiology. There is access to training in other investigation modalities provided within the department e.g. impedance monitoring, breath testing and manometry. The trainees are supported to attend BSPGHAN, ESPGHAN, TIPGHAN, and other meetings of interest. They also have access to journal clubs, weekly teaching.

Audit; Trainees are supported to complete audits, clinical governance and quality improvement projects.

Teaching and appraisal; Trainees are expected to regularly present at journal clubs, weekly teaching grand rounds and weekly SHO teaching. Trainees also contribute to the ward based teaching of medical students allocated to PGHAN.

Research: The department of paediatric gastroenterology has a huge research agenda and Grid trainees will have ample opportunities to explore their research interests, including doctoral research. The department of paediatric gastroenterology has close collaborative links with the department of Genomics and Bioinformatics (University of Southampton), translational immunology laboratory (WISH Lab- Wessex Immunology Sciences Hub) and the Biomedical Research centre. There is an ongoing portfolio study on the genetics of paediatric inflammatory bowel disease. To date, approximately 400 paediatric IBD patients, 600 parents/relatives and 500 adult IBD patients have been recruited to the study. Research work focuses on Nutrition, Genomics, Transcriptomics and Translational immunology. Over the last 5 years, 2 PGHAN Grid trainees and 2 bio-informatic research fellows have completed their PhD. A new clinical research fellow has joined as a PhD student, undertaking research in transcriptomics and the faecal microbiome.

Management; Trainees are supported to complete audits, clinical governance and quality improvement projects.

### Contact details for unit

Dr Akshay Batra  
akshay.batra@uhs.nhs.uk  
02381208711

## Programme Description

Sub-specialty:	PGHAN
Base Unit:	The Royal Free London NHS Foundation Trust Gastro/RFHI Training in Paediatric Gastroenterology
Deaneries involved:	Oxford and London Deanery

### Outline of Programme

The Centre for Paediatric Gastroenterology at the Royal Free London NHS Foundation Trust forms ONE YEAR of a three year SpR rotation, which may include the Royal London Hospital, Great Ormond Street Hospital, Chelsea and Westminster Hospital, King's College Hospital, Oxford and Southampton.

### Departmental Information

#### - Demographics

The Centre for Paediatric Gastroenterology at Royal Free Hospital is a Tertiary Paediatric Gastroenterology Unit which provides a range of secondary and tertiary facilities for the diagnosis and management of children and adolescents with gastrointestinal diseases.

There is a large Paediatric Inflammatory Bowel Disease (IBD) Service, including an regular Transitional Care service for adolescent patients. This is an excellent opportunity to learn about the management of complex IBD patients. There are specialist clinics in IBD, motility and food allergy. There is also a multi-disciplinary feeding team for children with feeding problems. There is also a weekly Teaching Programme as well as training in endoscopy (OGD and Colonoscopy).

We work closely with our local paediatricians, and have close relationships with our regional outreach centres and referring hospitals as well as our local GP surgeries. We aim to provide rapid access with excellence in quality of care and communication.

Dr Mark Furman is the current Clinical Lead for Paediatric Gastroenterology, with an interest in IBD and EoE. The second consultant is Dr Dan Crespi who has a interest in IBD and motility and is the lead for motility and related investigations. Dr Rachel Levi has recently started as a Locum Consultant in the team, as Dr Furman has also taken on the role of CMIO for the trust.

There are two general anaesthetic endoscopy lists every week which facilitates excellent training opportunities. There is close collaboration with the adult gastroenterology unit with access to endoscopy training simulators and wireless capsule endoscopy.

There is an active clinical research program running, with collaborative research on a national and international level. Trainees are encouraged to take part and where possible aim to present work at meetings.

The service is supported by a team of 15 Consultant Paediatricians, with fully a consultant-provided acute general paediatric service which has been running at the Royal Free since March 2007. Paediatric Gastroenterology is also supported by the paediatric SHO level trainees. From 1 July 2014 Barnet and Chase Farm Hospitals have become part of the Royal Free London NHS Foundation Trust.

#### - Team

We work as a very close team, with good atmosphere and a positive working environment. We have an open door policy and welcome discussions.

Susan Beecham, Paediatric IBD Nurse Specialist

Abi Freedman & Gabrielle Colman, Paediatric Dietician

Celia Harding / Helen Unsworth, Paediatric Speech and Language Specialist

Dr Deborah Woodman, Child Psychologist, CAMHS

Mr Gunju Ogunbiyi, Mr Jonathan Knowles & Mr Colin Hart, Colorectal surgeons

Mr Simon Blackburn, Paediatric Surgeon (sessional)

Isobel Beal & Jody Maclachlan, Paediatric Radiologists

#### - Supervisor(s)

## Programme Description

Dr Mark Furman, Clinical Lead and Consultant Paediatric Gastroenterologist  
 Dr Daniel Crespi, Consultant Paediatric Gastroenterologist  
 Dr Rachel Levi, Locum Consultant Paediatric Gastroenterologist

## Clinical Training Responsibilities

Training in common and more complex paediatric gastroenterology conditions.

Training also in diagnostic techniques will include

- Endoscopy Simulator training
- Upper GI endoscopy
- Colonoscopy
- Motility studies including Intraluminal impedance / pH studies
- Wireless capsule endoscopy
- Nutrition training including assessment of nutritional status, dietary requirements of children, use of enteral and short-term parenteral nutrition, particularly in children with IBD.
- To develop excellent communication skills in co-operation with other specialists (surgeons, pathologists, lab scientists and adult gastroenterologists).
- To achieve a level of understanding of current NHS management and strategies relevant to the stage of training.
- Expected to take part in clinical governance, guideline development and clinical audit
- To achieve skills in teaching undergraduates and improve presentation skills.

## Workload / Rota Arrangements / Example Timetable

		Weekly SpR Rota
Monday	AM	09:00-13:00 Ward round and ambulatory (Infliximabs)
	PM	1330 - 17:00 Outpatient Clinic (GENL/Motility) 14:00 - 17:00 Admissions for endoscopy
Tuesday	AM	08:00 - 12:30 Endoscopy
	PM	13:00 - 14:00 Consultant Ward Round 14:00 - 15:00 Admission Meeting
Wednesday	AM	09:00 - 10:00 IBD MDT 10:00 - 11:00 Ward Round 11:00 - 12:00 Teaching
	PM	12:00 - 13:00 X-Ray Meeting 13:30 - 17:00 Admin Afternoon (IBD Clinic in rotation)
Thursday	AM	09:00 - 12:00 Outpatient Clinic (Allergy)
	PM	12:30 - 13:30 Ward Round

Programme Description

		14:00 - 15:00 CPD / Teaching 15:30 - 17:00 Endoscopy admissions
Friday	AM  PM	08:00 - 12:30 Endoscopy 13:00 - 14:00 Ward Round 14:30 - 15:30 Histology 15:30 - 17:00 Remaining Ward work / discharge summary coordination for the week with physicians assistant.

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

- Take part in teaching programme as detailed in the timetable
- Encouraged to take part in research program as appropriate to career needs
- Take part in departmental audit activity and guideline reviews
- Teaching and supervision of "SHO"s and medical students

**Further training opportunities**

- Excellent supervised training in established and recognised centre for sub-specialty and excellent endoscopy training
- Endoscopy training on simulators (unique opportunity) - this helps to accelerate live endoscopy training
- Active paediatric clinical trials program
- Participation in half day Paediatric Gastroenterology Teaching Programme for Regional Teaching hosted at • RFH
- Discounted APLS/NLS
- Quality Improvement training
- Opportunities to teach trainees for MRCPCH clinical exams.

**Any further information**

Senior ST 7/8 trainees near completion will be offered focussed coaching for preparation for job interviews, Finance planning, writing business case, managing governance issues by service leads.

**Contact details for unit**

For more information contact Dr M Furman, Dr Dan Crespi or Dr Rachel Levi on 020 7830 2782 or [mark.furman@nhs.net](mailto:mark.furman@nhs.net), [daniel.crespi@nhs.net](mailto:daniel.crespi@nhs.net) or [rlevi@nhs.net](mailto:rlevi@nhs.net)

**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>

Sub-specialty:	Paediatrics Gastroenterology
Base Unit:	King's College Hospital
Deaneries involved:	London

### Outline of Programme

Paediatric liver, GI and Nutrition centre

The post will provide experience in managing a variety of GI conditions (at a tertiary level) such as inflammatory bowel disease, enteral and parenteral nutrition in addition to managing more common pediatric GI complaints such as gastro esophageal reflux, constipation, diarrhea and feeding problems. There are specialist clinics for Inflammatory Bowel Disease, Celiac Disease, short gut syndrome, Pancreas clinic, Joint liver/Gastro clinic, feeding problems and allergy. King's College Hospital serves as a national referral hospital for many specialties including Paediatric Hepatology and Bowel transplantation. Duties of this post holder will include management of inpatients with gastrointestinal, hepatology (during on call) and nutritional problems, consultations on referred patients, out patients (currently see 2,500 patients a year) work and coordination of gastrointestinal investigations including oesophageal pH monitoring, upper and lower GI endoscopy (3 lists a week) and hydrogen breath tests. Trainees will be expected to pursue a research project and have involvement in audit of gastrointestinal and nutrition services. There is a weekly GI meeting with hepatologists, monthly meeting with surgical colleagues, a weekly X ray and histology meeting. The trainees are encouraged to do presentations at these meetings and at other national and international gastroenterology conferences. Gastroenterology middle grade trainee will share non-resident on call with hepatology trainees and day today work with fellow gastroenterology colleagues.

### Departmental Information

- Demographics

- Team

Consultant Staff

Consultants Prof Anil Dhawan

Prof Dino Hadzic Hepatology & Gastroenterology

Hepatology

Dr Alastair Baker Hepatology & Gastroenterology

Dr Richard Thompson Hepatology

Dr Maryanne Samyn Hepatology

Dr Sanjay Bansal Hepatology

Dr Jonathan Hind Hepatology & Gastroenterology

Dr Babu Vadamalayan Gastroenterology

Dr Emer Fitzpatrick Hepatology & Gastroenterology

Dr Tassos Grammatikopoulos Hepatology

Dr Ben Hope Gastroenterology

Dr Anthi Thangarajah Gastroenterology

Prof Mark Davenport General & Hepatobiliary surgery

Mr Shailesh Patel General & GI surgery

Mr Niyi AdeAbaji General & GI surgery

Mr Ashsish Desai

Emeritus Prof Giorgina Vergani

General & Bariatric surgery

Hepatology

Other Staff: Nutrition & GI nurse specialist, Dietician, Speech and Language Therapist, psychologist

- Supervisor(s)  
Dr B Vadamalayan babu.vadamalayan@nhs.net

**Clinical Training Responsibilities**

**Workload / Rota Arrangements / Example Timetable**

Illustrative Timetable

	Morning	Lunchtime	Afternoon
Monday	TPN Ward Round/GI Clinic review		Ward meeting / Consultant
Tuesday	Endoscopy /GI Clinic	Ileoscopy /Research meeting	GI Outpatients /
Wednesday	SpR Ward Round /Short Gut clinic		X ray Meeting (weekly)
Thursday	Consultant - MDT Ward Round/TPN round, Histology meeting	Gastroenterology MDT meeting /Journal club	
Friday	Outpatient clinic	Ward Round	Audit /Admin

Other Clinics

Coeliac Clinic ( 6 monthly)

Feeding Clinic (monthly)

Joint Allergy / Gastro clinic: St Thomas Hospital

Pancreas clinic

Short gut clinic

Out-reach clinics - Sidcup & Medway

**Contact details for unit**

Dr B Vadamalayan babu.vadamalayan@nhs.net

# West Midlands

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail)  These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Birmingham Children's Hospital NHS Trust	Paediatric Hepatology	30	mona.abdelhady@bch.nhs.uk	C	Y
Birmingham Children's Hospital NHS Trust	Paediatric gastroenterology	6	Sue.protheroe@bch.nhs.uk	C	Y



Subspecialty:	Hepatology
Base Unit:	Birmingham Women's and Children's NHS Trust (BWCH)
Deaneries involved:	Health Education West Midlands

### Outline of Programme

This is a 3 years training programme (30 months hepatology & 6 months gastroenterology and nutrition) at Birmingham Children's Hospital (BCH).

### Departmental Information

#### Demographics

The Liver Unit at BCH is 1 of only 3 national centres for specialised paediatric liver services and transplantation. It comprises a multi-disciplinary team (MDT), which provides a supra-regional service for children with all forms of liver disease, acute liver failure and liver and small bowel transplantation. The Unit has 15 beds including a 3 bedded high dependency unit. The unit works closely with both the transplant service at the University Hospital of Birmingham (UHB), and the Department of gastroenterology and nutrition at BCH. Liver transplantation has been carried out since 1989 with a combined total of 40 liver, combined liver-kidney or liver-small-bowel transplant procedures are being carried out per year. All aspects of paediatric hepatobiliary surgery are provided and the Unit is one of only three nationally designated centres for Kasai portoenterostomy.

#### Team

6.6 Consultant Paediatric Hepatologists, 2 Consultants in Paediatric Hepatobiliary Surgery and Transplantation and 3 Consultant Transplant surgeons based at UHB; 3 level 3 trainees, 1 Level 2 trainee, Clinical research Fellow, International Clinical fellow and physician associate. MDT consisting of dieticians, physiotherapist, social and Family support workers, research & specialist nurses

The Clinical Lead is Mr Khalid Sharif and the Educational Lead is Dr Mona Abdel-Hady

### Clinical Training Responsibilities

The trainee will gain experience in management of children with all forms of liver disease, the peri-operative care of children receiving liver, and liver and small bowel transplantation, and co-ordination of investigations including liver biopsies and endoscopies. Trainee will participate in specialised liver clinics (CF, Metabolic, Fatty liver, Viral hepatitis, adolescent transition, joint intestinal failure clinics) and will gain experience in performing diagnostic and therapeutic endoscopic procedures and liver biopsies. The trainee will have the exciting opportunity to gain experience in assessing children for intestinal transplantation, the inpatient management peri transplant and the long term management (including endoscopy and ileoscopy of the graft) and the detection of complications unique to this exceptional cohort of patients.

He/She will provide support for the nurse led telephone follow up clinic and receive training in making management plans and giving feedback to the referring hospital.

### Workload / Rota Arrangements / Example Timetable

	Am	Pm
<b>Monday</b>	Weekend Handover Procedures list/ Ward work Histology meeting 13.00-14.00	Ward cover OR Outpatients session
<b>Tuesday</b>	MDT radiology meeting 08:00 - 09:00 MDT Ward round 09:00 - 11:00 Liver Unit research & development meeting	Ward cover Outpatient's session Admin or research time

	13;00-14:00hrs	
<b>Wednesday</b>	Outpatient clinic review /teaching session 08:30-10:00 Ward round 10:30-12:30 Or Procedures list 08:30 - 12:30hrs Hospital Grand Round 13;00-14.00 hrs	Admin or research time OR Outpatient session Ward cover
<b>Thursday</b>	Outpatient clinic review/teaching session 09:00 - 10:30 hrs Ward round 10:30-12:00 Liver unit teaching Seminars 12:00-13:00 Liver Unit Business meeting 13.00-14.00	Admin or research time Outpatient session Ward cover
<b>Friday</b>	MDT Transplant meeting 08:00 - 09:00 Multidisciplinary ward round 9.30-12.30 OR Procedures list	Admin or research time Ward cover

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

**Teaching:** Trainees will be offered excellent teaching opportunities having time to attend the Hospital postgraduate teaching programme and structured teaching is provided within the Department. Trainees are expected to participate in the teaching of undergraduate medical students, student nurses.

**Research:** There are ample opportunities for research within the Department. Current research projects include therapy of viral hepatitis, new treatments for portal hypertension, non-invasive markers of rejection following small bowel transplantation, the molecular basis of inherited metabolic liver and/or bowel disease, evaluation of alternative immunosuppression protocols and monitoring tools, etc.

**Contact details for unit**

For informal enquiries please contact Dr Mona Abdel-Hady (mona.abdelhady@nhs.net)  
0121 3338252/3339079

Subspecialty:	Paediatric Gastroenterology, Hepatology & Nutrition
Base Unit:	Birmingham Women's and Children's Hospital NHS Trust
Deaneries involved:	Health Education West Midlands

### **Outline of Programme**

A 6 months placement in the training programme in Departments of Gastroenterology & Nutrition at Birmingham Children's Hospital NHS Trust.

### **Departmental Information**

Birmingham Children's Hospital NHS Foundation Trust is one of only four NHS Trusts in the country specialising exclusively in the care of children and young people. It provides local general hospital and mental health services to residents of Birmingham and highly specialist care to a wider population of 5.5 million in the West Midlands and from all over the UK and Europe and is one of the leading paediatric teaching and research centres in the country.

The Hospital provides 50 Specialties and supporting departments with 360 beds (including CAMHS), 48 day beds and 31 PICU beds. A regional gastroenterology service is provided for children with acute and chronic intestinal disorders.

### **Team**

1. The Gastroenterology team consists of 6 Consultants, two ST 5-8 trainees, a Senior Clinical Fellow for Nutrition and Gastroenterology, two further trainees (FY2 and ST3), one Advanced Nurse Practitioner in Gastroenterology, one Gastroenterology Specialist Nurse, and three Senior Specialist Dieticians.
2. The Nutritional Care Team has three additional Nutritional Care nurses (one Clinical Nurse Specialist) and a family support worker who provide care for patients on Home Parenteral Nutrition.
3. The Nutrition and Intestinal Failure Team team provide dedicated support and education for teams managing patients in the Trust on Parenteral Nutrition. The trainee will spend time in this team with daily input from a dedicated Consultant on service for Nutrition plus other dedicated members, namely two PN Pharmacists, two additional senior Specialised dieticians, and a further Intestinal failure Nurse Specialist.

Supervisor(s) Dr S Protheroe, Dr R Bremner

### **Clinical Training Responsibilities**

The trainee participates in weekly specialist, multidisciplinary activity such as clinics, daily ward rounds (either Gastroenterology or Nutrition). There are specialised joint clinics for Transition, IBD and Liver Disease, IBD surgery, Polyposis Syndromes, Intestinal Failure/ Home PN and so on. The trainee participates in the investigation and management of patients with severe or unusual disorders who may be managed by the team or different clinical teams in the Trust. Experience is offered in day and ambulatory care of children and wide experience in clinical nutrition.

### **Workload / Rota Arrangements / Example Timetable**

The grid trainee will share the workload with a further regional or grid trainee and a Senior Clinical Fellow. By sharing the workload into 3 rotating duties which are a) ward service b) nutrition service and c) ambulatory care, ample opportunities for specialised training are available. Trainees are provided with frequent access to dedicated training clinics and training endoscopy lists. The trainee participates in the Hospital at Night on call schedule to ensure a compliant rota, and this allows adequate time to spent training in the speciality. This on call system provides excellent experience in leading a clinical team to manage emergency paediatric care, including in the speciality of gastroenterology and hepatology with appropriate access to day time training opportunities. The

Gastroenterology team undertakes >10 clinics and 4 dedicated endoscopy GA theatre lists / week, and cares for up to 20 in-patients at a time.

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

Participation in audit, quality improvement, research, undergraduate and postgraduate teaching and learning other skills such as management is well supported and expected. Opportunities for protected study/ research leave are provided with cross cover from colleagues and the trainee can be involved with on going research projects.

**Further training opportunities**

The trainee has the opportunity to gain skills in specialist procedures such as diagnostic and therapeutic endoscopy, video capsule endoscopy, impedance/pH studies, breath tests and manometry

**Contact details for unit**

Dr S. Protheroe, Consultant Paediatric Gastroenterologist, sue.protheroe@nhs.net