

ALDER HEY CHILDREN'S NHS FOUNDATION TRUST

FELLOW IN PAEDIATRIC INTENSIVE CARE

JOB DESCRIPTION

INTRODUCTION

Alder Hey Children's NHS Foundation Trust is a major teaching hospital of the University of Liverpool. It serves not only the local population of children, but is the tertiary referral centre for children from Merseyside, Cheshire, parts of Lancashire, Shropshire and North Wales for many sub-specialties of paediatrics. The hospital has approximately, 270 beds, including day beds for surgery. The paediatric services and expertise within the hospital are considerable and include paediatric ophthalmology, cardiology, cardio-thoracic surgery, neonatology, neurology, neurosurgery, audiology, nephrology, respiratory, oncology, trauma, general surgery and general medicine. The radiology department provides both a CT and MRI scanning service.

The Intensive Care Unit is currently staffed for 21 patients, but has a physical capacity for 23, and there is an additional separate 12-bedded High Dependency Unit. The Unit provides a full range of general and specialist Intensive Care including Paediatric & Neonatal General Surgery, Burns and Neurosurgery, Paediatric Cardiac Surgery and post-cardiac surgery ECMO. The PICU at Alder Hey admits around 1,000 patients per year. There are eight Consultant intensivists from both Paediatric and Anaesthetic backgrounds and 10 non consultant medical staff. Alder Hey is recognised by the Intercollegiate Committee for Training in Paediatric Intensive Care Medicine (ICTPICM) as providing full training in this sub-specialty.

NORTH WEST AND NORTH WALES PAEDIATRIC TRANSPORT SERVICE

The North West and North Wales Paediatric Transport Service (NWTS) started in November 2010 and aims to provide a unified regional Paediatric Intensive Care (PIC) transport service delivering the highest possible level of care for critically ill children arising from DGHs within the North West and North Wales. The service is funded by the North West Specialist Commissioners and is based just outside Warrington. Patients requiring paediatric, cardiac or surgical neonatal intensive care are retrieved by the service. Approximately 700 ventilated transports including 20 air transfers are expected to be undertaken each year to either of the 2 regional PICUs. Retrievals are performed by land (ambulances) and air (fixed wing and helicopter).

There are 5 WTE Consultant Paediatric Intensivists from both Paediatric and Anaesthetic backgrounds and 6 non consultant medical staff. The team has a Lead Nurse, 2 Clinical Nurse Specialists in Retrieval, 5 rotating Band 6 retrieval nurses (from Alder Hey and RMCH PICUs) and 5.6 WTE receptionists providing telephone and additional admin support. Transport for the team is provided by a private ambulance service with the ambulance and driver based with the NWTS team.

DUTIES OF THE POST

Duties will be based at Alder Hey as a member of the intensive care team and (if applicant has suitable knowledge and skills and wants to gain experience in transport medicine) may rotate to the North West and North Wales Paediatric Transport Service (NWTS).

ALDER HEY, PICU

Provision of continuity of ICU patients' care.

The ICU fellow will work a full shift system of 48 hours per week on average, with three trainee medical staff on duty at all times. The rolling rota includes allotted time for anaesthetic experience or audit and experience (as appropriate) as 'chief' which entails taking an overall management role for the Unit during the day.

Teaching

The post offers comprehensive additional training in paediatric intensive care, including resuscitation and advanced paediatric life support and the transport of the critically ill child. You will be expected to

participate in a programme of lectures and tutorials on all aspects of paediatric intensive care, as well as supporting and supervising less experienced colleagues. Practical skills related to the management of critically ill children are taught.

In addition there is scenario training using high-fidelity mannequins at our local simulation centre which all trainees are encouraged to participate in.

All PICU Consultants play an active role in the teaching program. There are excellent postgraduate facilities at Alder Hey.

PICU Weekly Timetable

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT./ SUN.
0830: Wd.Rnd	0830: Wd.Rnd	0830: Wd.Rnd	0830: Wd.Rnd	0830: Wd.Rnd	0900: Wd.Rnd
			0830:Cardiac conf.	0900:Grand Round	
1300: MDT Radiology	1030-1330: PICU Teaching	12 ⁰⁰ -14 ⁰⁰ : Weekly Meeting includes monthly Mortality & Critical Incident meetings	1100: MDT Radiology		
1730: WR	1400: MDT Nutrition WR 1530: Microbiology 1730: WR	1730: WR	1730: WR	1530: Microbiology 1730: WR	
2030: H'over	2030: H'over	2030: H'over	2030: H'over	2030: H'over	2100: H'over

There are daily business ward rounds on the ICU, and a specimen timetable is outlined above. One Thursday a month is mandatory protected ICU teaching. In addition there is a PICU Journal club 1st Tuesday each month (08⁰⁰-08³⁰) and the Joint Cardiac (including surgery), Anaesthetic, PICU teaching 2nd Tuesday each month (09⁰⁰-10⁰⁰). There is joint videoconference teaching every 2-3 months with Great Ormond Street and Birmingham Children’s PIC teams.

Attendance at and presentations of research projects to local and national meetings on paediatric intensive care and transport medicine will be actively encouraged.

Audit and Research

The appointee will be expected to participate in medical audit. During the appointment, the post holder will be encouraged to participate in clinical studies and research projects with the Consultants in Intensive Care.

The ICU is an active participant in the National Paediatric Intensive Care Survey (PICANET).

NORTH WEST & NORTH WALES TRANSPORT SERVICE (NWTS)

The fellow is an integral part of the multidisciplinary retrieval team. The fellows are supervised by the consultants and will be appointed a mentor for their time with the service.

The main role of the fellow is to manage all aspects of a retrieval, including giving advice at the initial referral call, co-ordinating the transport, stabilising the patient and ensuring a safe, efficient and cohesive transfer from referring centre to the accepting intensive care unit.

The position of fellow in retrieval medicine is a full time post, with duties in paediatric retrieval. A minimum of six months of paediatric intensive care experience (or equivalent) is required for retrieval fellows, and experience in congenital cardiac disease is desirable. The rotations are for a minimum of six months, with extended periods possible.

Full on the job training will be given, and all retrievals will be supervised, either by an accompanying consultant in retrieval medicine, or by close telephone contact. A logbook of retrievals will be kept and reviewed by the mentor; issues arising from these retrievals will be discussed on a regular basis.

During this time, it is anticipated that the fellow will be trained and become proficient in managing retrievals from the initial referral, organising the team and transport, and in the stabilisation and management of the acutely sick child en route. An orientation programme outlining the principles and process of transport medicine and use of equipment will be held at the beginning of each rotation. All fellows will be accompanied by a supervisor for a minimum of their first two land retrievals.

Air transport is a specialised subset of retrieval medicine and fellows will be supervised for their first air retrieval. Subsequent land and air retrievals will be supervised at the request of the fellow, or discretion of the consultant, with the emphasis being on support and education of the fellow at all times.

It is also expected that the fellows will take an interest in the organisational aspects of retrieval medicine, including audit, quality assurance projects, presentation at retrieval forums and research in subjects pertaining to retrieval medicine and paediatric intensive care.

At the completion of the service term, the fellow will receive a formal appraisal from a supervisor.

Hours of Duty for both posts

The hours of duty for this post comply with EWTD ie below 48 hours working full shift. The post carries Band 1A supplement.

Period of Tenure

This post is for a period of six months in the first instance on PICU at Alder Hey, with the possibility of extension to one year at Alder Hey and/or rotation to NWTS (for a further 6-12 months).

Further Information

Further information concerning the post is available from:

Dr. S. Kerr or Dr. K. Parkins, Consultant Paediatric Intensivists or Dr D Sidaras, Associate Specialist in PIC at Alder Hey.

Secretary: Tel. 0151-252 5555.

Dr K Parkins, Lead Consultants for NWTS or Dr R Barber Co-Lead Consultant for NWTS

NWTS Office: 01925 853550

ALDER HEY CHILDREN'S NHS FOUNDATION TRUST
PERSON SPECIFICATION

POST: Fellow in Paediatric Intensive Care

	ESSENTIAL FOR THE POST	DESIRABLE FOR THE POST
1. Professional Qualifications	Registration with the General Medical Council.	A Higher qualification, e.g. MRCP, FRCA, FRCS
2. Training	Previous appointments which provided professional training in General Paediatrics, Anaesthetics or Paediatric Surgery.	
3. Experience	Experience of General Paeds / Neonatal Intensive Care or Anaesthetics (including Intensive Care) or Paediatric Surgery (including Neonates)	
Clinical		
Management/Audit	Not essential	Experience of clinical audit i.e. participation.
4. Teaching		Experience of teaching medical and other staff.
5. Research		Evidence of recent and current research with relevant publications.
6. Professional Interests		Membership of appropriate professional society(ies). Knowledge of the up-to-date literature.
7. Personal Skills		
Communication	Ability to communicate and liaise effectively with patients, their parents and other relatives and with colleagues of all disciplines.	
Relationships		
Leadership	Demonstrates ability to work flexibly when necessary	
Supervision		
Teamwork	Ability to work as a team with professional colleagues both medical and other disciplines.	
8. Physical Requirements	Satisfactory medical clearance from the Trust's Occupational Health Physician.	
General Health		
Any disabilities that could not accommodate	Free from disabilities or illness that would prevent clinical management of patients.	
9. Career development	Candidate is likely to benefit from the post	

PERSON SPECIFICATION for NWTs

Requirements	Essential / Desirable	Method of assessment
Qualifications & Training		
Medical Degree	Essential	Application Form
Minimum of 2 years' full time (or equivalent part time) hospital service in the SHO grade or higher	Essential	Application Form
MRCPCH/MRCP/FRCA or equivalent	Essential	Application Form
GMC registration to be obtained by start date	Essential	Application Form
6 months paediatric intensive care at Registrar level	Desirable	Application Form
6 months experience in anaesthetics/ICU	Desirable	Application Form
Experience in transportation of critically ill patients	Desirable	Application Form/Interview
Skills and Abilities		
Basic training in intubation	Essential	Application Form/Interview
Basic training in venous access (including central)	Essential	Application Form/Interview
Basic training in arterial line insertion	Essential	Application Form/Interview
Audit		
Experience of Audit	Desirable	Application Form & Interview
Academic Achievements		
Distinctions or Prizes during undergraduate training	Desirable	Application Form & Interview
Research & Publications	Desirable	Application Form & Interview
Interpersonal Skills		
Organisation Skills	Essential	Interview & References
Communication Skills	Essential	Interview & References
Team working Skills	Essential	Interview & References