

SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST

JOB DESCRIPTION

1. JOB IDENTIFICATION

Job Title: **CHILD AND ADOLESCENT KNEE FELLOWSHIP**

Department: Trauma and Orthopaedics

Responsible to: T&O Team Leader

2. JOB PURPOSE

Applications are invited for the following non-resident fellowship based at Sheffield Children's Hospital and Chesterfield Royal Hospital, commencing Wednesday October 4th 2023 for 12 months.

This combined fellowship will allow the successful candidate to gain complete experience and the technical skills needed to practice successfully in the field of Paediatric Soft Tissue Knee pathology.

This will be the first ever Fellowship of its kind in the UK, and will be unrivalled in the ability to deliver high level training within this expanding field of Orthopaedic Sports Medicine.

Experience will be gained in the full spectrum of paediatric and adolescent soft tissue knee pathology with the exception of malignant bone tumours. Specifically, training will be offered in the management and treatment of conditions affecting the growing knee which spans patients in the paediatric and adolescent age groups. An emphasis will be placed on arthroscopic surgery with the full range of advanced arthroscopic procedures. In addition, experience will be gained in complex pathology such as congenital ligament deficiency and severe patellofemoral disease. The Fellowship will be under the direction of Mr Nick Nicolaou, Mr Fazal Ali and Mr Paul Haslam.

In addition, there will be training in the management of paediatric orthopaedic conditions in general with specific emphasis on knee trauma. Training in deformity planning and correction associated with knee pathology will be an essential component of learning, and the use of gait analysis to aid in decision making.

At Chesterfield Royal Hospital further experience will be gained in knee surgery on the adult patient with regards to all the soft tissue knee procedures and also some exposure to arthroplasty and osteotomies around the knee.

Research involvement will be an integral part of the duties of the appointed fellow with expectation to produce at least 1 peer reviewed article and an audit within the remit of the post.

There is no on call commitment with this post. It is suitable for Specialist Registrars nearing, or having completed their training, post CCT candidates and other appropriate applicants with comparative experience.

It is anticipated that applicants will demonstrate a desire to continue their practice in the orthopaedic sub-speciality relevant to the Fellowship.

Where appropriate, candidates need to have passed the IELTS English proficiency examination. Registration with the General Medical Council is essential. The post is equally open to EC and non-EC candidates; trainees from the armed forces are welcome to apply.

CONTRACTED HOURS

The post is whole time with 40 standard hours per week. Salary is on the MS pay scale.

3. MAIN DUTIES/RESPONSIBILITIES

Fellowship Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	CRH ACUTE KNEE INJURY CLINIC	SCH THEATRE	CRH THEATRE	SCH CLINIC ALTERNATE 1,3 CRH knee trauma list- ALTERNATE 2,4	SCH WK 1, 2- TEACHING SCH DUAL THEATRE WK 3 CRH WK 4
PM	RESEARCH ADMIN AUDIT	SCH THEATRE	CRH THEATRE	SCH CLINIC ALTERNATE 1,3 CRH CLINIC ALTERNATE 2,4	SCH WK 1 COMPLEX KNEE CLINIC SCH WK 2 SPORTS INJURY CLINIC SCH DUAL THEATRE WK 3 CRH WK 4

4 Week rolling rota

Learning Objectives

Objective	Measured Output
Training in clinical examination, diagnosis and treatment planning	<ol style="list-style-type: none"> 1. Attendance at multi-disciplinary clinics 2. Pre-operative clinic both CRH & SCHFT 3. Regular deformity planning training using TraumaCad 4. Specialist clinic attendance 5. Specific Paediatric and Mixed Knee Injury clinics 6. Attendance if required to Ryegate centre to

	<p>encourage understanding of 3D gait analysis and the role it plays in assessment of paediatric knee pathology</p> <p>7. Interaction with the dedicated Paediatric knee therapy team to enable understanding of the importance of this process in overall surgical care</p>
Operative Exposure to allow full confidence in dealing with Child and Adolescent knee pathology	<p>2.25 full lists per week to allow independent competence in the following:</p> <ol style="list-style-type: none"> 1. ACL reconstruction- physeal-sparing and transphyseal techniques and adjunct procedures 2. Meniscal repair including root/ ramp lesions 3. MPFL reconstruction 4. Patellofemoral instability in both the skeletally immature and mature- correction of patella alta/ abnormal TT-TG 5. Treatment of the discoid meniscus 6. Osteochondral pathology- fixation and salvage treatment 7. Guided growth and treatment of deformity <p>Exposure to:</p> <ol style="list-style-type: none"> 1. Congenital ACL and PCL deficiency 2. Congenital knee dislocation 3. Complex deformity correction in coronal, sagittal and rotational planes 4. PCL surgery 5. Cartilage regeneration procedures 6. Complex patellofemoral instability- habitual, congenital patella dislocation 7. MCL, LCL and PLC reconstruction 8. Revision ACL reconstruction in patients with open growth plates 9. Use of Allograft for large osteochondral defects

Education	<ol style="list-style-type: none"> 1. Department funded attendance at the Child and Adolescent Knee Congress (biannual) 2. Attendance at BOSTAA (annual) 3. Cadaveric Knee Laboratory attendance 1 per annum 4. Encourage BASK Annual Conference attendance- funded by department if presenting original work* 5. Weeks 1 & 2 allocated time for attendance in SCHFT Fellow teaching programme 6. Fellow to prepare x4 teaching sessions for the Departments at SCHFT/CRH over the course of the fellowship 7. Attendance at ESSKA- funded by department if presenting original work*
Audit	<ol style="list-style-type: none"> 1. Participate in data collection/ functional outcomes 2. Perform x1 audit within on a topic within the paediatric knee during fellowship 3. Entering data on both the National Ligament Registry and International Cartilage Repair Society Databases to encourage future participation
Research	<ol style="list-style-type: none"> 1. Requirement to complete at least 1 peer reviewed article and 1 national/ international presentation during the fellowship. 2. Begin a new prospective study from initial conception to local and national ethical approval. 3. Utilise department affiliation with Sheffield University (SCHARR) for basic science and cadaveric research projects 4. Utilise departmental affiliation with Advanced Wellbeing Research Centre (AWRC)- part of Sheffield Hallam University and in particular links with Sports Engineering Faculty for paediatric knee rehabilitation/ pathology related research projects at Sheffield Hallam University 5. Access to pre- and post-operative scores for

	<p>surgically treated patients in order to facilitate high quality research publications</p> <p>6. Requirement to participate in recruitment in to current prospective clinical trials in progress at Sheffield Children's.</p>
<p>*Pre-existing departmental policy at SCHFT</p>	

4. SCOPE AND RANGE

GENERAL INFORMATION

The Sheffield Children's NHS Trust provides secondary and tertiary health care services in Sheffield for a resident population of over ½ million, and around 2 million in the North Trent region. The amalgamation of this Trust with Community Paediatric Services was completed in 2001 and with the Child and Adolescent Mental Health Services in 2002 to then become known as the Sheffield Children's NHS Trust.

Paediatric services for the city are concentrated at the Sheffield Children's Hospital and the Ryegate Children's Centre, which provide care for children in the Sheffield Health Authority. The Sheffield Children's Hospital receives national and international secondary and tertiary referrals providing General Paediatric, Orthopaedic, Plastic, ENT, Neurosurgical, Dental, Oral and Neonatal surgery care. It provides medical paediatric speciality care in neurology, oncology, haematology, cystic fibrosis, hepatology and metabolic, endocrine and respiratory (including non-invasive ventilation) medicine.

There is a busy Accident and Emergency Department which is led by paediatric A&E specialists. SCH is a Major Trauma Centre.

The Hospital has substantial teaching and research facilities in the Stephenson wing of the building. The increasingly well-stocked library has several PC stations allowing Intranet and Internet access.

OTHER PAEDIATRIC SERVICES IN SHEFFIELD

There are additional outpatient facilities for children at the Northern General Hospital. All inpatient paediatric services are located at the Sheffield Children's Hospital, the lead Trust for children's services.

Paediatric care in the community is provided through Community Health Sheffield, which is part of the Sheffield Children's NHS Trust.

SHEFFIELD CHILDRENS HOSPITAL

Sheffield Children's Hospital (SCH) comprises 131 in-patient beds and 15 surgical and 6 medical day care beds. There is a General Practice Referral Unit available for all specialities. The Accident and Emergency Department receives 48,000 patients per annum, 70% of these being

trauma-related cases.

The hospital is situated on the south west aspect of Sheffield approximately 1 mile from the city centre. The hospital is close to the Royal Hallamshire Hospital, the Jessop Wing, the Charles Clifford Dental Hospital, Weston Park Radiotherapy Hospital, the Medical School and the Main University Campus.

With the exception of malignant bone tumours, the Department of Paediatric Orthopaedic and Trauma Surgery at SCH accommodates the full spectrum of paediatric orthopaedic conditions. There is an interest in the management of hip dysplasia, Legg-Calve-Perthes disease, talipes, amyoplasia, the skeletal dysplasias, osteogenesis imperfecta, spinal deformity, myelomeningocele, cerebral palsy, paediatric soft tissue knee pathology and haemophilic arthropathy. There is a hip ultrasound scanning facility at SCH and a gait laboratory at the Ryegate Centre with consultant input at both sites. The unit is experienced in the Ponseti Method of clubfoot management. There is an acknowledged interest and experience in the application of flexible intramedullary nailing in both trauma and elective conditions. The hospital enjoys a national and international reputation for the treatment of congenital and acquired reduction and malalignment deformities of the upper and lower limbs. There is an active and busy paediatric spinal deformity unit.

There is close interaction between the Department of Paediatric Orthopaedic and Trauma Surgery and those of Bone and Joint Medicine and Rheumatology. There is significant national and international expertise in Osteogenesis Imperfecta in particular through the work of Professor N Bishop with a substantial concentration of resources and experience in paediatric bone disease.

The hospital has benefited from a succession of paediatric spinal surgeons. At present four surgeons share the paediatric caseload. The case mix is broad including cervical, neuromuscular, syndromic, idiopathic and congenital spinal pathologies. The interest in Osteogenesis Imperfecta has presented a new cohort of patients for supra-regional specialist spinal surgery.

THEATRES

The operating suite comprises 9 theatres with laminar flow in the three designated orthopaedic theatres.

INTENSIVE CARE UNIT

There is a fully equipped 19 bed Critical care unit comprising intensive care and high dependency beds.

ORTHOPAEDIC WARD

Ward 2 is a 21-bed dedicated orthopaedic ward and has occupational therapy, physiotherapy and teaching facilities on site.

OUT PATIENT FACILITIES

Out patients are seen in the blue and orange wings of the out-patient department, completed in 2016. Occupational therapy, physiotherapy and plaster room facilities are present in the department. Special interest clinics include scoliosis and spinal deformity, talipes, hip dysplasia with supervised ultrasound scanning, Perthes disease, sports, complex knee, paediatric limb reconstruction and combined clinics with respect to neuromuscular conditions and cerebral palsy - including gait analysis, haemophilia and the skeletal dysplasias.

DIAGNOSTIC IMAGING

A comprehensive Radiology service provides imaging modalities including MRI, spiral CT, EOS, DEXA, isotope and Quantec scanning for spinal deformities.

STEPHENSON BUILDING

The Academic Department of Paediatrics is based in the Stephenson building. The Stephenson Library with an adjacent refurbished Lecture Theatre and the Physiotherapy Department, are also in this building.

The Paediatric Limb Reconstruction Service is on E floor of the Stephenson wing. There are substantial computing facilities available in the unit to facilitate research and presentation.

RYEGATE CHILDREN'S CENTRE

The Sheffield Children's Hospital has a reputation for the management of neuromuscular disorders, particularly myelomeningocele and cerebral palsy. This unit is part of the Trust and is approximately 1 mile from the Children's Hospital. It provides full outpatient assessment and therapy facilities for paediatric neurology and child development as well as respite care for children with learning difficulties. There is a purpose-built gait analysis laboratory on site, and regular reviews of the results of individuals' gait analysis are undertaken. The gait lab is nationally accredited, and hosts an annual gait analysis course with in-house faculty.

Internal Relationships

MEDICAL STAFFING

Consultants:

Mr M Athanassacopoulos
Mr L Breakwell
Mr J Cashman
Mr A Cole
Miss C Blakey
Mr O Evans
Mr JA Fernandes
Mr MJ Flowers
Mr S Giles
Mr N Nicolaou
Mr S Madan
Miss S Srinivas
Mr Nick Green

Junior Staff

8 Paediatric fellows
1 spine fellow
3 Specialist Registrars

CHESTERFIELD ROYAL HOSPITAL

GENERAL INFORMATION

Chesterfield Royal Hospital was opened progressively between 1984 and 1989 on a green field site two miles east of the centre of Chesterfield and comprises approximately 560 beds. It replaced a number of older hospitals in the town centre and now provides almost all of the acute in-patient care for Chesterfield and the surrounding rural area of North Derbyshire, serving a population of approximately 350,000 people. There is some cross-flow of referrals in both directions between the neighbouring areas of Sheffield, Worksop, Derby and Mansfield. The population of the High Peak is outside the Chesterfield Hospital's usual catchment area and looks mainly to Stockport and neighbouring authorities for specialist health services.

The area to the west of Chesterfield, which attracts many visitors, is predominantly rural and includes the market towns of Matlock and Bakewell, lying in west Derbyshire and the spa town of Buxton in the High Peak.

Chesterfield itself lies in the east of the area and is a thriving market town with a long history of trading and engineering. The Peak District National Park, which includes the Chatsworth Estate, lies within a few miles of the town boundary and attracts many visitors to the area.

There are good road and rail links from Chesterfield with London and other major cities in the country. Sheffield, Nottingham and Derby are approximately 14 miles, 24 miles and 26 miles respectively. The M1 motorway passes within the eastern boundary of the District, providing an easy link with the East Midland Airport.

The Trust currently offers the full range of District General Hospital services, including an Emergency Department, Intensive Therapy Unit, High Dependency Unit, Coronary Care Unit and Special Care Baby Unit on site.

There is a suite of 12 operating theatres, 5 of which have clean air systems and one ophthalmology theatre. In addition to a full range of out-patient services, there is also an endoscopy unit, a colposcopy/urodynamics unit, cardiac catheter suite, a renal suite providing satellite dialysis, a chemotherapy suite and a DEXA scanning suite. There is also an integrated rehabilitation department, an x-ray department with open GP access and an Occupational Health Department. There is on-site CT scanning and a full MRI scanning service. The ED resuscitation room has a mobile ultrasound and x-ray machine.

The hospital has approximately 560 inpatient beds, and 31 day care beds, covering maternity and gynaecology, trauma and orthopaedics, general medicine and medical specialties, acute elderly medicine, ophthalmology, ENT, oral and maxillofacial surgery, child health, urology and general surgery. Mental health in-patients are also based on the hospital site, but are managed by the Derbyshire Mental Health Trust.

The Trust is currently at level 2 against NHSLA Standards. The Trust is also accredited for Health Quality Service, Improving Working Lives Practice Level, Investors in People and became an NHS foundation Trust from January 2005.

Chesterfield Royal Hospital NHS Foundation Trust is a designated Cancer Unit with Sheffield being the Cancer Centre. Chesterfield Royal Hospital NHS Foundation Trust has achieved full Calman-Hine accreditation as a cancer unit. The oncology service is provided by Consultants from Weston Park Hospital in Sheffield visiting Chesterfield on an outreach basis. These Consultants function as members of all established cancer multidisciplinary teams.

MANAGEMENT STRUCTURES

The Trust has established a management structure with a Trust Board with 5 Executive Directors, one of whom is the Medical Director. Beneath this is a hospital management team responsible for the operational management of the hospital. All Clinical Directors are members of this team and report to the Executive Medical Director.

The Orthopaedic Specialties Directorate is headed by a Clinical Director, Mr Matthew Morris, Consultant Orthopaedic Surgeon and an Associate Clinical Director – Mr Jeevan Chandrasenan – Consultant Orthopaedic Surgeon.

THE DEPARTMENT

Inpatient and Day Case

Seventy-Six Orthopaedic surgery beds are located in three wards with further provision for children's Orthopaedic beds on one Paediatric ward.

This is made up of one sixteen bed elective ward and two 30 bedded trauma wards.

A twenty-four-bed dedicated separate day case ward is shared by all the surgical specialties including Orthopaedics.

Outpatients

Outpatient clinic is held in Suite 1. This has access to a mini C-arm, treatment rooms and x2 plaster rooms.

Routine new out-patient appointments are available at a maximum wait of 2 weeks.

Internal Relationships

STAFFING

The Consultant staff of the department comprises:

Mr MWJ Morris	Special interest in Foot and Ankle Surgery rheumatology, Clinical Lead
Miss GR Aspinall	Special interest in revision hip and knee surgery
Mr J Garcia	Special interest in trauma surgery / upper limb surgery
Mr F M Ali	Special interest in knee surgery and ligament reconstruction
Mr P Williams	Special interest in lower limb surgery arthroplasty
Mr J May	Special interest in foot and ankle
Mr S Shahane	Special interest in upper limb surgery shoulder and elbow
Mr JD Wright	Special interest in upper limb surgery
Mr A Sinha	Special interest in upper limb surgery
Mr J Chandrasenan	Special interest in knee surgery and ligament reconstruction
Mr E S Holloway	Special interest in trauma surgery / Revision hip & knee
Mr D I Wood	Special interest in trauma surgery / Revision hip & knee
(Mr J Cashman	Sheffield Children's Hospital - special interest in Paediatric surgery)
(shared sessions with SCH/CRH)	





The remaining medical staffing component within the Department is made up of:

Two Ortho-Geriatricians, Dr V Addy and Dr R Ullegaddi
One Speciality Doctor – Miss Lois Mc Grath
Five Specialist Registrars, one Trust Doctor, 2 overseas ISTP Fellows
1 Upper Limb Fellow
Twelve F1, F2 and GPVTS doctors

There is 1.00wte Trauma co-ordinator in post.

All Medical and Dental staff will be expected to comply with Trust Health and Safety Policies

Arrangements will be made for the successful candidate to receive copies of Health and Safety policies of the employing Trust.

<p>6. JOB DESCRIPTION AGREEMENT</p> <p>Job Holder's Signature:</p> <p>Manager's Signature:</p>	<p>Date:</p> <p>Date:</p>
<p>TRUST VALUES</p> <p>Our Values express what it is like to work in our organisation and our employees should make these a part of everything we do.</p> <p><i>Keeping children, young people and families at the heart of what we do</i></p> <p>Compassion </p> <ul style="list-style-type: none">• We are led by kindness for all – for our patients, their families and our colleagues• We will show empathy and understanding, treating everyone with dignity and courtesy• We will respect each other and those we care for <p>Accountability </p> <ul style="list-style-type: none">• We always strive to do the right thing• We own responsibility for our successes, failures and understand where we need to improve• We will create a supportive working environment where everyone takes responsibility for their own actions <p>Respect </p> <ul style="list-style-type: none">• We value differences and treat everyone fairly and consistently• We will actively tackle inequality and will foster a culture of inclusion <p>Excellence </p> <ul style="list-style-type: none">• We will seek to improve the way we work and deliver a high quality standard of care• We will be open to new ideas, through innovation, partnership, research and education locally, nationally and internationally <p>Together we care</p>	

SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST

PERSON SPECIFICATION – CHILD AND ADOLESCENT KNEE FELLOWSHIP

Assessment Criteria	Essential	Desirable	How assessed
Qualifications and Training	<ul style="list-style-type: none"> -Qualified medical practitioner -Registered with GMC -FRCS (Tr. & Orth.) or equivalent training experience 	<ul style="list-style-type: none"> Distinction, prizes, awards, scholarships, other degrees, higher degrees -Presentations and publications 	AF
Experience	<ul style="list-style-type: none"> -Validated logbook/appraisal document indicating appropriate operative experience -Completed Basic Surgical Training in posts approved by the surgical Royal College or approved overseas equivalent -Have obtained, or nearly obtained, their CCT -Competence in pre-operative and post-operative management -Demonstrated commitment to Paediatric Orthopaedics 	<ul style="list-style-type: none"> -Computer skills -Evidence of participation or enthusiasm for audit -Understands the principles of audit -Previous arthroscopic knee experience -Fellowship training in either Paediatric Orthopaedics or adult soft tissue knee 	AF In
Knowledge and Skills	<ul style="list-style-type: none"> -Organisational ability -Potential to cope with stressful situations and undertake responsibility -Understand and communicate intelligibly with patients -Trustworthy and reliable -Behave in a manner which establishes professional relationships with patients 	<ul style="list-style-type: none"> -Initiative -A critical enquiring approach to the acquisition of knowledge 	In AF

HR Use only
AFC code:

Personal Attributes	<ul style="list-style-type: none">-Caring attitudes-Honesty-Reliability-Be physically and mentally fit and capable of conducting operative procedures which may be demanding of a number of hours of close attention-Manual dexterity as confirmed by referees	-Ability to work as a team	In/ REF
Demonstrates Trust Values	Compassion, Accountability, Respect and Excellence.		In/REF

Key for How Assessed: AF = Application form, In = Interview, P = Presentation, T = Test, REF= Reference