

NTN Grid - Programme Information

Paediatric Neurodisability 2019

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Please note: Programme submissions can be withdrawn or amended at any point until an offer of employment has been made to an applicant.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

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Programme Description Grid 2019

Maximum Number of National Training Grid Appointments that may be made in 2019 for Paediatric Neurodisability	7.6
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Deanery	Programme of Training	Places available	Duration (Years)	Page
London	Chelsea and Westminster/ Evelina /Great Ormond Street Hospital (GOSH)	1	3	2
North West	Halliwel Children's Centre, Bolton Royal Manchester Children's Hospital East Lancs CAMHS David Lewis Centre	1	2	10
Northern	Sunderland Royal Hospital Great North Children's Hospital	1	3	15
Severn	North Bristol Trust Bristol Children's Hospital	0.6	2-3	21
Wales	Neath Port Talbot Hospital Serennu Childrens Centre, Newport Morrsiton Hospital, Swansea Children's Hospital for Wales, Cardiff	1	3	25
Wessex	Solent NHS Trust University Hospital Southampton	1	3	39
West Midlands	Robert Jones and Agnes Hunt Shropshire community NHS trust Community/ Birmingham Children's hospital Birmingham Community NHS Trust	1	3	44
Yorkshire and Humber	Leeds Community Healthcare Trust Bradford Community Hospitals NHS Trust Foundations Leeds Teaching Hospital NHS Trust York Teaching Hospital NHS Foundation Trust	1	3	55

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/ Evelina /Great Ormond Street Hospital (GOSH)	Neurodisability	36	Dr Peggy O'Driscoll peggy.o'driscoll@chelwest.nhs.uk Belinda.Crowe@gosh.nhs.uk	C	Y

Programme Description Grid 2019

Subspecialty:	Paediatric Neurodisability
Base Unit:	Newcomen Centre, Evelina Children's Hospital, Guy's and Saint Thomas' NHS foundation trust, London
Deaneries involved:	London

Outline of Programme

Two years based at the Evelina London Children's Hospital, to cover training in Paediatric Neurology (0.5 year equivalent) and Neurodisability (1.5 years equivalent) with an attachment for 3 months pro-rata with Child and Adolescent Mental Health Services at ELCH and Maudsley Hospitals

Departmental Information

- Demographics
Regional services cover a population of approximately 8 million
Each year the service sees and assesses
Around 350 new children with complex behavioural problems
Around 450 new children with movement disorders
Around
- Team
The Paediatric Neurosciences team include 10 Consultants in Paediatric Neurodisability, 11 in Paediatric Neurology, as well as Palliative care, Paediatric neurophysiology, neuroradiology and neonatal neurology services
We have a number of regional MDT teams within the service
The trainee will work closely with these and the wider multidisciplinary teams within the paediatric neurology and neurodisability services including behavioural paediatrics, feeding disorders, saliva control, neuropathic bowel and bladder, epilepsy, spinal, neurorehabilitation and movement disorder pathways, including interventions with Botulinum Toxin A, Intra-thecal Baclofen and Deep Brain Stimulation.
Within the Evelina there are a wide variety of other specialties that the trainee will work with including combined orthopaedic clinics, genetics, complex communication, audiology and ophthalmic and palliative care clinics.
- Supervisor(s)
Lead Clinical Supervisor: Dr Charlie Fairhurst, Consultant in Paediatric Neurodisability, Head of Paediatric Neurosciences ELCH - movement disorders, cerebral palsy

Consultants in Paediatric Neurodisability - Newcomen Centre

Dr Jill Cadwgan - movement disorders, cerebral palsy

Dr Michael Absoud - Behavioural Paediatrics

Prof Paul Gringras - Behavioural Paediatrics and sleep disorders

Prof Gillian Baird - Behavioural Paediatrics

Dr Michael Farquhar - Neurodisability, Respiratory and Sleep disorders

Dr Veronica Kelly - Behavioural and feeding disorders

Dr Gabriel Whittingham - Behavioural and feeding disorders

Dr Margaret Kaminska - Movement and spinal disorders

Dr Hillary Cass - Behavioural, Rett's and acquired brain injury

Dr Birgitta Bernhard - Autism and Genetics

Dr Anne Wright - Neuro-urology

Dr Peter Hindley - Consultant in Child and Adolescent Psychiatry, ELCH

Dr Sarah Bernard - Consultant in Child and Adolescent Psychiatry, Maudsley

Consultant supervisors in Paediatric Neurology, include

Dr Elizabeth Wraige - Paediatric Neurology and Neuromuscular

Dr Ming Lim - Paediatric Neurology and white matter disorders

Dr Elaine Hughes - Paediatric Neurology and Epilepsy

Dr Jean-Pierre Lin - Paediatric Neurology and Complex Motor Disorders

Dr Tammy Hedderley - Paediatric Neurology, Tics and Tourette's

Clinical Training Responsibilities

3 consultant-supervised neurodisability clinics per week,
 Movement assessments and interventions
 Involvement in a variety of services over 2 year period

Workload / Rota Arrangements / Example Timetable - Neurodisability

	Morning	Afternoon
Monday	Multidisciplinary Behavioural Neurodisability Clinic	Multidisciplinary team meetings Botulinum Toxin A injections (fortnightly)
Tuesday	Specialist Neurodisability Clinic / Sleep service / Neuropathic bowel and bladder clinic	Neuro-radiology meeting Paediatric Neurosciences training afternoon Saliva control clinics (fortnightly)
Wednesday	Movement Disorders Combined orthopaedic Clinics Spinal Disorders (monthly)	Audit / Research / Administration
Thursday	Specialist Neurodisability Clinic E.g. Tics and Tourette's Behavioural Paediatrics Movement Disorders Sleep Disorders Stroke and ABI service	Botulinum Toxin A injections (fortnightly) Multidisciplinary team meetings Postgraduate Education Administration
Friday	General Neurology or Psychiatry Clinics (fortnightly) Neurology Ward Round	Admin / Audit / Research / Complex Motor Disorders Service weekly review meeting

Out-of-hours work will be based in general paediatrics at Evelina London Children's Hospital.

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

The trainee will be expected to complete an audit project each year.
 They would be expected to join in on research within the department and perform a poster, video or spoken presentation at international conferences annually.
 They would take an active role in teaching of undergraduates and postgraduates.
 There are opportunities to contribute to service developments and work on pathways of care within the Thames regions.

Further training opportunities

A large number of other specialist clinics including genetics, palliative care, neuro-surgery, national Rett's Clinic, National Neurofibromatosis clinic, Tuberous Sclerosis, audiology, ophthalmology are offered.

Work on behavioural and physical disability concerns with other specialties is also encouraged e.g. Cardiology, PICU, Neonatology, Paediatric Surgery, Orthopaedics and Renal Paediatrics

Any further information

The trainee will work together with the Paediatric Neurology trainees and fellows within the Paediatric Neurosciences department

Contact details for unit

Dr C Fairhurst, Consultant in Paediatric Neurodisability, Dept. of Paediatric Neurosciences, Evelina London Children's Hospital, St Thomas' Hospital, London SE1 7EH. Tel 020 7188 4003 e-mail charlie.fairhurst@gstt.nhs.uk

Programme Description Grid 2019

Subspecialty:	Paediatric Neurodisability
Base Unit:	Neurodisability and Neurology services, Great Ormond Street Hospital for Children, London
Deaneries involved:	London

Outline of Programme

One or Two years based at the Great Ormond Street Hospital for Children to cover training in Paediatric Neurology (0.5 - 1 year equivalent) and Neurodisability (0.5 - 1 year equivalent) this will be combined with a 1 year rotation from Chelsea and Westminster Hospital or Northwick Park Hospital Neurodisability / Child Development Centre services. A 1-2 year rotation to the Evelina Children's hospital to cover further training in Neurology and Neurodisability is also available (see individual JDs for these posts). This JD covers the Neurodisability part of the programme. See the Neurology JD for details of Neurology training provided.

Departmental Information

- Demographics
Regional and national services with referrals the majority from North Thames and Greater London.
The Neurodisability service sees and assesses approx. 2000 children a year
The Neurology service approx. 7000 children a year

- Team
The Paediatric Neurosciences team include 9 Consultants in Paediatric Neurodisability, 13 in Paediatric Neurology, as well as Paediatric Neurosurgery, Paediatric neurophysiology and neuroradiology services. Multidisciplinary team includes 6 speech and language therapists, 7 psychologists, 7 physiotherapists, 7 occupational therapists, one health care scientist, administrators and supporting staff.

The trainee will work closely with these and the wider multidisciplinary teams within the paediatric neurodisability services including, autism and other neurodevelopmental disorders, dysphagia / feeding disorders, developmental epilepsy, movement disorder pathways, including interventions with Botulinum Toxin A and selective dorsal rhizotomy, osteogenesis imperfecta, developmental vision, augmentative communication and neurometabolic. Within the Neurodisability and Neurology service at GOSH there are a wide variety of other specialties that the trainee may access depending on their training needs including including combined orthopaedic clinics, tics and tourettes, genetics, audiology and ophthalmic and palliative care clinics.

- Supervisor(s)
Lead Clinical Supervisor: Dr Jenefer Sargent: Special interest in developmental visual disorders and augmentative & alternative communication

Consultants in Paediatric Neurodisability - Wolfson Neurodisability Service

Dr Neil Wimalasundera - Lead Clinician for Neurodisability: Special interest in management of motor disorders including dysphagia

Dr Ngozi Oluonye: Special interest in developmental visual disorders and autistic spectrum disorders

Dr Lucinda Carr: Special interest in management of motor disorders

Dr Catherine DeVile: Special interest in osteogenesis imperfecta, neuromuscular disease

Dr Sarah Aylett: Special interest in Developmental Epilepsy, Sturge Weber Syndrome and autistic spectrum disorders

Dr Maria Clark: Special interest in Developmental Epilepsy

Consultant supervisors in Paediatric Neurology, include

Dr P Prabhakar Special interest in headache

Dr Sophie Varadkhar Specialist in epilepsy

Dr Christin Eltze Specialist in epilepsy

Dr Robert Robinson General Neurology and epilepsy

Programme Description Grid 2019

Dr Cheryl Hemingway	General Neurology and epilepsy
Dr Sanjay Bate	General Neurology and special interest in stroke, & cerebrovascular disease
Dr Adnan Manzur	Special interest in neuromuscular disorders
Dr Pinki Munot	Special interest in neuromuscular disorders

Clinical Training Responsibilities

At least 5 consultant-supervised neurodisability multidisciplinary clinics per week,
Involvement in a variety of services over a 6 - 12m period
Opportunities include the following:

Workload / Rota Arrangements / Example Timetable

	Morning	Afternoon
Monday	Multidisciplinary Neurodisability Clinic Autism and Neurodevelopmental disorders	Dysphagia clinic
Tuesday	Botulinum Toxin A injections and follow- up appointments (fortnightly) Developmental epilepsy clinic Neurometabolic clinic	Developmental epilepsy clinic (week 1,3,4,5) Postgraduate Education (CPD) monthly Multidisciplinary team meetings
Wednesday	Movement Disorders Combined orthopaedic Clinics Spinal Disorders Developmental Vision Clinic	Postgraduate Education Developmental Vision Clinic
Thursday	Communication Learning and technology clinic Sturge Weber clinic	Audit / Research / Administration Multidisciplinary team meetings Postgraduate Education
Friday	Osteogenesis imperfect Movement Disorders Autism and Neurodevelopmental disorders	Neuro-radiology meeting (monthly) Admin / Audit / Research

Out-of-hours work will be based in paediatric neurology at Great Ormond Street Hospital.

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

The trainee will be expected to complete an audit project each year.

They would be expected to join in on research within the department and perform a poster, video or spoken presentation at national / international conferences.

There are opportunities to take an active role in teaching of undergraduates and postgraduates.

There are opportunities to contribute to service developments and work on pathways of care within the North Thames region.

Further training opportunities

A large number of other specialist clinics including genetics, palliative care, neuro-surgery, audiology, ophthalmology could be accessed if necessary. The Neurology training programme is provided in the GOSH neurology training programme Job Description.

Any further information

The trainee will work together with the Paediatric Neurology trainees and fellows within the Paediatric Neurosciences department

Contact details for unit

Dr J Sargent, Consultant in Paediatric Neurodisability, Paediatric Neurodisability Service, Great Ormond Street Hospital for Children, Great Ormond Street, London WC1N 3JH. Tel 020 7405 9200 ext 1142 e-mail jenefersargent@gosh.nhs.uk

Programme Description Grid 2019

Subspecialty:	Neurodisability
Base Unit:	Chelsea and Westminster NHS Foundation Trust
Deaneries involved:	London

Outline of Programme

This post is for trainees at subspecialty level and is a two year training scheme in Paediatric Neurodisability with rotation between Chelsea and Westminster Hospital Foundation Trust and Great Ormond Street Hospital. The post is based within the department of community paediatrics at Chelsea & Westminster Hospital. The trainee will work both at the base and at off-site locations. The post is designed to run ideally for a two year period. The post has both relevant fixed and flexible sessions; the final content of the post will reflect both individual training needs and the RCPCH Neurodisability training curriculum.

Departmental Information

- Demographics
- Chelsea and Westminster hospital provide community paediatric services on behalf of INWL (Inner North West London) including the whole borough of Hammersmith & Fulham, the southern half of Kensington & Chelsea and the southern part of the borough of Westminster. The neurodisability service is provided within that by the Cheyne Child Development Service, based centrally and delivered at three locations, one in each borough
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- Total number of children under age of 16
- Hammersmith and Fulham Kensington and Chelsea Westminster
- 29,900 26,300 29,700
- Source: GLA 2008 Round of Demographic Projections (Low)
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- It is difficult to precisely say how many disabled children or young people with complex health needs within the area as definitions vary across the measures used to estimate demand. With that caveat, the following figures are broadly quoted:
- Hammersmith & Fulham 630
- Kensington & Chelsea 440
- Westminster 720
-
-
- Team
- Dr M Adebusuyi- Consultant paediatrician, Designated Dr for Adoption & Fostering
- Dr S Carthigesan- Consultant paediatrician, Service Director community Paediatrics
- Dr B Kubba Associate Specialist Community Paediatrician, Audiology lead
- Dr M O'Driscoll Consultant paediatrician- Clinical Lead for Cheyne Child Development Service
- Dr C Wijay, Staff Grade Community Paediatrician
- Multidisciplinary team comprising Speech and language therapy; Clinical Psychology; physiotherapy; Occupational Therapy; Music Therapy
- Clinical nurse Specialist Child Development
- Social worker Child development team
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- Supervisor(s)
- Dr O'Driscoll chiefly with Department paediatric staff

Clinical Training Responsibilities

With ongoing consultant supervision, and given clarification/updating of appropriate training, to gain proficiency, after required sitting in period, in the following.

- Working as a skilled paediatrician within a multidisciplinary team
- Diagnostic multidisciplinary developmental assessments, feedback and review
- Paediatric specific neurodevelopmental assessments

Programme Description Grid 2019

- Social communication assessments and follow up
- ADHD diagnosis and follow up clinic
- Motor disorder assessment, diagnostic work up and follow up
- Arranging investigations including blood tests, neurophysiology , radiology, genetic etc followup on results
- patient liaison within the multidisciplinary team
- patient liaison within the wider paediatric medical and surgical services team
- liaison with interagency services team

Workload / Rota Arrangements / Example Timetable

Monday	Tuesday	Wednesday	Thursday	Friday
*gait clinic monthly 12.00 New referrals /Intake meeting (neurodisability/child development team)	Multidisciplinary Developmental clinic – new. Alternate week social communication assessment clinic	Paediatric Developmental review clinic – new plus follow up review post MDT *School clinic (approx 3/term)	CAMHS	Admin Child protection
Paediatric Clinical meeting		Xray meeting		
	Multidisciplinary Developmental clinic – new and follow up MDT team meeting	Postgraduate meeting with journal club and grand round for CCDS 2 nd and 4 th Wednesday of each month neuro/neurodisability Epilepsy clinic 5 th Wednesday *neurology clinic *genetics clinic	CAMHS	Paediatric neurodisability/neurodevelopmental clinic includes new referral esp <2, Inc ADHD follow up clinic *Quarterly specialist PWS clinic run by endocrinology

* There are a number of clinics providing training opportunities and not all included in the above example. The training and educational needs of the individual trainee inform the final timetable/workplan

On call 1in 9 for general paediatrics full shift system

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

All trainees are expected to complete at least one audit project. All trainees are encouraged to support the undergraduate teaching programme. All trainees expected to participate in the department journal club, to carry out literature reviews and prepare presentations, to attend paediatric clinical meetings/grand rounds and SpR teaching sessions. Research encouraged.

Further training opportunities

Specialist Services on site, including paediatric neurology, providing training opportunities in Neurodisability including the following:

- Gait Assessment clinic – team of 3 orthopaedic practitioners working with 2 orthopaedic consultants and with the paediatric neurodisability service
- Orthopaedic clinic with above team
- Orthotics clinic – with physiotherapy and orthotist
- Seating assessments with therapy team and Wheelchair Service (on and off site)

Programme Description Grid 2019

- Paediatric surgery – general, urological and gastroenterological, joint work with team & feeding clinic on a range of conditions including gastrostomy
 - Feeding clinic – multidisciplinary; gastroenterology, paediatric dietician, specialist speech & language therapist, videofluoroscopy, clinical psychology.
 - Augmentative communication – specialist speech & language therapist, link with Charing Cross
- Neurology clinics, access Clinical nurse specialist in Epilepsy, epilepsy clinic
- Neurophysiology service on site with opportunity for specific teaching
 - Neuroradiology with weekly clinical meeting
 - Audiology – secondary level service with tertiary service at Charing Cross, link to peripatetic team
 - Ophthalmology – twice weekly clinics with full multidisciplinary ophthalmology team, link to peripatetic team
 - Other specialist clinics: Clinical Genetics, Endocrine, Craniofacial & Plastics multidisciplinary team
 - Off site services to which there is access for training include Child Psychiatry, as above, generally organised as a fixed sessional release for the year.
 - School health service – strong links with several local specialist units including MLD, SLD, ASD schools.
 - Social paediatric training - child protection/looked after children, weekly clinic, on-call system
 - Child psychiatry/psychology –psychologists within multidisciplinary teams with additional specific weekly attachment to a local Child & Adolescent Psychiatry within Hammersmith/Fulham and Kensington/Chelsea
 - Opportunities for management training including via organisation of the departmental operational meetings; specified Trust & Local Authority business/management meetings; work as part of multidisciplinary team
 - Involvement in, and completion, of an audit and/or research project.
 - Undergraduate & postgraduate teaching responsibilities.
 - SNCT - Co-ordination of the multi-agency Special Needs meeting, knowledge/use of disability register (SNR)
 - Training in report writing, including for court, regarding educational, developmental and child protection issues.
 - Application to pursue or complete an MSc in Community Paediatrics considered

Contact details for unit

Cheyne Child Development Service
Chelsea and Westminster Hospital Foundation Trust
369 Fulham Road SW10 9NH

Phone 020 88461280

email; peggy.o'driscoll@chelwest.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)
Halliwell Children's Centre, Bolton BL1 3SQ	Neurodisability	36	Dr Daniel Hindley	C	Y
Royal Manchester Children's Hospital	Paediatric Neurology	36	Dr Jeen Tan	C	Y
East Lancs CAMHS	CAMHS	36	Dr Mischa Mockett	C	Y
David Lewis Centre	Complex neurodisability	36	Dr Dan Hindley	O	Y

Additional Information

Above placements are for variable number of sessions a week over the 24-month training programme (please see attached job description)

Programme Description Grid 2019

Sub-specialty:	Paediatric Neurodisability
Base Unit:	Bolton
Deaneries involved:	Health Education North West - Greater Manchester and Lancashire

Outline of Programme

This post is a full-time 2 year post based at Halliwell Children's Centre in Bolton and in reaching into the Royal Bolton Hospital to provide on-call cover as part of a full shift rota. We have a friendly and experienced community paediatric team. The post has run successfully over the last ten years with our grid trainees (Dr Mel McMahon, Dr Nitin Panwar, Dr Sree Ukkadam, Dr Nisha Manohar, Dr Alia Satti) and offers the following opportunities:

- Comprehensive neuro-disability management in community settings (Bolton)
- Tertiary paediatric neurology (Royal Manchester Children's Hospital)
- CAMHS including dedicated neurodisability psychiatry (East Lancs CAMHS)
- Management of intractable epilepsy / challenging behaviour (David Lewis Centre)

To include participation in / experience of:

Dedicated children's epilepsy service

Joint paediatric / OT dyspraxia pathway

Autistic spectrum disorders diagnostic pathway with ADOS assessments

Multiagency cerebral palsy care pathway

Multidisciplinary Feeding Clinic with specialist paediatric radiology

Physiotherapy, OT, Speech Therapy and Learning Disability nursing

An effective multi-agency Team Around the Child review system

Audio-vestibular service on site

Excellent links with adult neurology and adult learning disability services locally

Experience in paediatric palliative care

Outreach clinics from the tertiary Genetics Service held at Royal Bolton Hospital

A broad range of specialist and inclusive educational provision

Dedicated services for adolescents

Innovative models of care e.g. nurse led clinics, locality clinics, home visits, community advanced nursing practitioners

Departmental Information

- Demographics

Bolton is a semi-urban district on the fringes of Manchester. It has a total population of 260,000 of whom 57,000 are aged 0 - 15 years. Although there are significant levels of deprivation the population is stable with low rates of removal in and out. There is a significant ethnic minority population with the recent census figures indicating that 6% of the population are Indian and 2.5% Pakistani with 7% professing the Muslim faith.

- Team

Community children's services in Bolton sit within the Family Division of the Foundation Trust alongside acute paediatrics, neonatal intensive care, CAMHS, sexual health and obstetrics and gynaecology. There is in reach and outreach between community and acute paediatrics with two of the Community Consultants contributing to the acute rota, and two hospital consultants doing clinics in the community. There are integrated teaching, training and CME opportunities, and joint planning of service development.

The Royal Bolton Hospital lies to the south west of Bolton town centre close to the M61 motorway. The acute paediatric department is an active one with large numbers of children seen acutely (4,500 - 5,000 PA). There are approximately 3,500 admissions per year through the 35 acute medical beds. There is also a dedicated HDU bed where level 2 care can be started. Acute services are supported by the community paediatric nursing team enabling early discharge from hospital and allowing management at home as an alternative to hospital admission where possible. There is a dedicated children's out-patient department and sub-specialist clinics are provided in Cardiology (Gordon Gladman), Neurology (Majid Aziz), Nephrology (Mohan Shenoy) and Genetics (Kate Chandler).

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Neonatal services are provided within the Princess Anne Maternity Unit where there are 6,000 deliveries per year.

The department comprises:

Dr G Lipshen, Consultant Paediatrician & Designated Doctor for Safeguarding, General Paediatrics and Neurodisability (full time).

Dr Val Coupes, Consultant Paediatrician & Looked After Children, Adoption & Fostering (8 sessions)

Dr Pat Walker, Consultant Paediatrician. Clinical Lead. Neurodisability (feeding, communication and autistic spectrum disorders), general paediatrics, immunisation and infectious diseases with integrated on-call responsibilities at Royal Bolton Hospital (8 sessions)

Dr Daniel Hindley, Neurodisability with an interest in childhood epilepsy and palliative care (full time)

Dr Veronica Kennedy, Consultant Audio-vestibular Physician (full time)

Dr Becky Cowling, Associate Specialist, Neurodisability, autism and audiology (6 sessions)

Dr Giovanni Arsciwals, Specialty doctor, General Paediatrics and ADHD (8 sessions)

Dr Charlotte Mackinnon, Specialty doctor, adolescent care and transition

Specialist Registrar in Neurodisability (Grid trainee)

Jill Davies, ANP

Janice O'Brien, ANP

Maria Gault, ANP

Helen Jameson, Epilepsy Specialist nurse

- Supervisor(s)

Dr Dan Hindley

Clinical Training Responsibilities

Training will be provided by members of our team. The appointee will also have an opportunity to undertake training / education sessions with medical students and junior medical staff.

Workload / Rota Arrangements / Example Timetable

	Monday	Tuesday	Wednesday	Thursday	Friday
am	Special school clinics MSc (Sheffield) neurodisability distance learning	Epilepsy clinic	RMCH NEUROLOGY	CAMHS (full day alternate weeks)	Community clinic alt weeks Dyspraxia alt weeks
lunch			CDT new referrals		
pm	Neurodisability clinic	Admin	Specialist Services SpR teaching, RMCH CDT's	David Lewis Centre	Research/audit

Neurology 1 session / week (Dr Jeen Tan, RMCH)

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CAMHS 1 session / week (Dr Mischa Mockett) Neurodisability clinic 1 session / week (DH, Halliwell Centre) Epilepsy clinic 1 session / week (DH, Halliwell Centre)
Community paediatric clinic 1 session / alternate week (DH, Halliwell Centre)
Multi-disciplinary services 1 session / week e.g. CDT, SALT, physio, OT, orthotics, biomechanics, LDT (preschool and school age), Complex needs team, The Parallel/Transition, Hospice, Education (ed psych, special schools/provision), Social care, specialist nurses etc etc
Specialist services 1 session / week e.g. Genetics, Audiology/ophthalmology/ENT, Feeding clinic/gastro, ADOS, Special School clinics
David Lewis Centre optional session as needed (DH)
Research & audit 1 session / week
Departmental meeting / CPD 1 session / week
Participation at RBH in acute middle grade paediatric rota

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

The district has an excellent medical education centre and the appointee would be expected to take part in local audit projects. He/she will be supported and encouraged to develop research projects, case presentations and posters for regional / national meetings on topics related to paediatric neurodisability.

Further training opportunities

The appointee will be encouraged to undertake further relevant distance learning e.g. MSc Sheffield Hallam on Paediatric Neurodisability - DH is a tutor for this course

Any further information

Training / CPD in ADOS assessments, Griffiths developmental assessment, PET 1&2, management course etc

Contact details for unit

Dr Dan Hindley, Brightmet Health Centre, Bolton BL2 6NT
Contact 01204 463511 Email: dan.hindley@boltonft.nhs.uk

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)
Sunderland Royal Hospital	Sunderland	12-24	Dr Karen Horridge	C	Y
Great North Children's Hospital	Newcastle upon Tyne	12-24	Drs Jeremy Parr, Anita Devlin, Yasmin De-Alwis	C	Y

Programme Description Grid 2019

Sub-specialty:	Paediatric Neurodisability
Base Unit:	Sunderland Royal Hospital Sunderland and Great North Childrens Hospital Newcastle upon Tyne
Deaneries involved:	Northern

Outline of Programme

There is one LTFT (0.6) National Grid Level 3 training programme in Paediatric Neurodisability available in the Northern Deanery to commence September 2019.

One year full-time equivalent will be based in Sunderland (large district Neurodisability service) and one year full-time equivalent in Newcastle upon Tyne (regional Neurodisability and Neurosciences Centre). The programme for the final year full-time equivalent will be negotiated with the trainee and tailored according to their learning requirements and evolving special interests, with the trainee continuing an out of hours on call commitment in Sunderland or Newcastle upon Tyne. Trainees will be supported and expected to undertake the Sheffield and British Academy of Childhood Disability Paediatric Disability Distance Learning Diploma Course.

Clinical material and support is available to acquire the competences as per the Framework of competences for level 3 training in Paediatric Neurodisability, with holistic services that provides assessment and management for children and young people 0-19 years old presenting with potential or established disabilities, in a range of settings including hospital based clinics, inpatient care for those acutely unwell, special school clinics and home visits, including for palliative care.

There are established regional networks for neurodisability, paediatric epilepsy and paediatric palliative care.

In Sunderland, there are clear inter-agency care pathways for children and young people aged 0-19 years with potential or established disabilities, with regular multi-disciplinary and interagency forums for cerebral palsy, complex disability, autism spectrum disorders, severe learning disability plus severely challenging behaviours (QUEST), nutrition and paediatric palliative care. The trainee would be expected to participate in all of these, as well as inter-agency meetings about individual children and young people in a range of settings. There is a clear pathway for transition to adult services, including regular transition clinics with the consultant in neurorehabilitation and transition pathways to adult palliative care for young people with the most complex healthcare needs.

There is a strategic partnership for disabled children with representation from health, education, social care, the voluntary sector and parents and Sunderland has an active Parent Council. Opportunities are available for the trainee to observe and contribute to all aspects of the interagency service. There is an ethos of always working towards improvement in services for disabled children and young people in Sunderland and there is inter-agency sign up to 'Every Disabled Child Matters'.

In Newcastle, the trainee will be based in the Child Development Centre and will contribute to both the Regional Neurodisability clinics and the Newcastle Neurodisability service. The trainee will work in and learn from a multi-disciplinary team of highly experienced, allied health professionals in the assessment and management of children and young people presenting with posture, movement, vision, dysphagia and a variety of neurodevelopmental disorders. These include cerebral palsy, learning disability, autistic spectrum and behavioural disorders. Specialist experience is provided in the comprehensive posture and movement service in close collaboration with orthopaedics and intrathecal baclofen service, developmental vision clinic, held jointly with ophthalmology and the feeding clinic, including assessment of dysphagia with videofluoroscopy, held jointly with gastroenterology. The Regional Neurodisability service is integrated with the Department of Paediatric neurology and has links with Neurosurgery, neuroradiology, neurophysiology, neuropathology and neuropsychology. Newcastle is also the regional centre for rehabilitation programme for children recovering from acquired brain injury. The NCG funded muscle service provides a comprehensive programme for children with muscle disease. Six months whole time equivalent experience in paediatric Neurology is offered over the three-year training period.

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School clinics will include provision for Newcastle primary and secondary school children with severe learning disability and physical impairments. Also included is the Percy Hedley Foundation, a charitable organisation consisting of two independent regional schools which have specialist facilities for children with cerebral palsy, communication, speech, language and sensory impairments.

An attachment in audiology will be available, including attendance at a weekly clinics and involvement in the multidisciplinary cochlear implant programme. A placement at the in-patient unit and outpatient services for learning disability psychiatry at Prudhoe Hospital is also incorporated into the programme, complementing the experience in Sunderland and overall giving ample opportunities to acquire the appropriate competences.

Departmental Information

- Demographics

The paediatric neurodisability service in Sunderland covers a local total population of ~350 000, with significant areas of deprivation, plus tertiary referrals from outside the local district.

The Child Development Centre (CDC) at the Great North Children's Hospital in Newcastle upon Tyne provides a Regional Tertiary Neurodisability service for the Northern Region (catchment population >2 million) and a Paediatric Neurodisability service for a Newcastle population of 270,000.

- Team

Paediatric Neurodisability Consultants

Paediatric Neurology Consultants

Community Children's Nursing teams (with clinical skills and prescribing competences)

Specialist paediatric gastroenterology nurses

Specialist paediatric epilepsy nurses

Specialist paediatric learning disability nurses

Specialist health visitors for children and young people with special needs

Paediatric Orthopaedic Surgeons

Paediatric Ophthalmologists and Orthoptists

Paediatric ENT Surgeons and Audiological Scientists

Multi-disciplinary team including specialist paediatric speech and language therapists (including with dysphagia, videofluoroscopy and autism spectrum expertise), physiotherapists, occupational therapists, dieticians, orthotics etc.

Disabled children's social work teams

- Supervisor(s)

The trainee will have one Educational Supervisor for the whole duration of their level 3 training and Clinical Supervisors in each local department.

Clinical Supervisors:

Dr Karen Horridge, Consultant Paediatrician (Disability), Sunderland

Dr Carl Harvey, Consultant Paediatrician (Disability), Sunderland

Dr Madhu Dasarathi, Consultant Paediatrician (Disability, Sunderland)

Dr Anita Devlin, Consultant Paediatric Neurologist, Newcastle

Dr Yasmin De-Alwis, Consultant Paediatrician (Neurodisability), Newcastle

Dr Alison Guadagno, Consultant Paediatrician (Neurodisability) Newcastle

Dr Jeremy Parr, Senior Lecturer Paediatric Neurodisability, Newcastle

Dr Ki Pang, Consultant Paediatric Neurologist, Newcastle

Dr Rob Forsyth, Senior Lecturer, Paediatric Neurology, Newcastle (outreach Paediatric Neurology service for Sunderland)

Dr Anna Basu, NIHR Career Development Fellow and Honorary Consultant Paediatric Neurologist, Newcastle.

Clinical Training Responsibilities

The clinical supervisors listed above will be responsible for ensuring that the trainee experiences a broad range of learning opportunities, with a balance of apprenticeship working and independent working, as appropriate to the trainee's competences.

The trainee will be responsible for supervising and contributing to the training of specialty paediatric, general practice and foundation trainees as well as medical students, nursing staff and a range of other professionals and parents.

Workload / Rota Arrangements / Example Timetable

In both Sunderland and Newcastle there are a range of clinical learning opportunities in paediatric neurodisability as well as rota commitments in general paediatrics (both sites), sub-specialty paediatrics (Newcastle), paediatric emergency medicine (Sunderland) and level 3 neonatal intensive care (Sunderland). At both bases the trainee will be expected to do at least three clinics a week, as well as have protected time to do course work for the Diploma in Paediatric Disability, for audit, research and teaching. The weekly timetable will be variable, depending on the acute rota, but every effort will be made to maximise learning opportunities in paediatric neurodisability and there will be regular discussions between the trainee and educational and clinical supervisors to ensure that the programme continues to support the goal of acquiring the breadth and depth of subspecialty competences.

Sunderland:

The workload of the neurodisability service is shared between the three consultants and Grid trainee. The Grid trainee has their own new patient clinic and special school clinic each week and is expected to see patients in the weekly follow up clinic alongside and with the supervision of the consultants (neurodisability or cerebral palsy clinics). The trainee is expected to join the consultant new patient clinic also, as well as a range of specialist clinics:

- Fortnightly outreach clinics in paediatric neurology,
- monthly joint neurodisability and clinical genetics clinics,
- monthly feeding clinics (paediatric gastroenterology, speech & language therapy, dietetics and community children's nursing),
- Every 2-3 weeks postural management clinics (neurodisability, orthopaedics and physiotherapy),
- weekly complex disability clinics
- quarterly neuroendocrine clinics
- 6 monthly neurofibromatosis clinics

There are excellent links with the ophthalmologists with a paediatric interest at Sunderland Eye Infirmary and with the ENT surgeons with a paediatric interest and audiological scientists at Sunderland Royal Hospital and learning opportunities in both services. There is an outreach service in learning disability psychiatry from Prudhoe Hospital and a separate learning disability child psychiatry service for the Durham part of the patch.

Opportunities exist to directly observe, learn from and work jointly with paediatric speech and language therapists (including dysphagia, videofluoroscopy and autism assessments), paediatric physiotherapy, paediatric occupational therapy, community children's nurses, children's learning disability nurses, learning disability clinical psychologists, educational psychologists, specialist teachers (sensory impairment, autism outreach), disabled children's social work and the QUEST team (joint health and social care team for the management of children and young people with severe learning disability plus severe challenging behaviours).

There is access to appropriate investigation facilities locally with established links nationally and internationally for further investigations as required.

The acute Paediatric component of this part of the programme involves an equal share of night duties, weekends and 5pm-9pm shifts, to ensure that there are directly supported and supervised opportunities to care for the acutely unwell disabled child, including in the resuscitation room. The remainder of the daytime 9-5 is protected for Neurodisability training. There are 8 doctors on the middle grade rota, which is EWTD compliant.

Newcastle:

Programme Description Grid 2019

The Grid trainee will be fully integrated into the Department of Paediatric Neurology and will work predominantly in the Tertiary Multi-disciplinary Neurodisability clinics:

Postural Assessment Clinic (weekly)- MDT assessment of all new referrals to postural service and follow up of non-ambulant children.

Ambulant clinic- (weekly) MDT assessment of posture and movement by video gait analysis and give advice on treatment and management options including Botulinum Toxin injections.

Procedure clinic - (3 per month) Targeted Botulinum toxin injections to previously selected patients under safe sedation.

Upper limb clinic- (once a month) MDT, functional assessment of upper limb using a toolbox of assessments including Assisting hand assessment (AHA) and advice on further management/treatment.

Joint Orthopaedic clinics (once a month)- Multi professional assessment of children who have fixed deformities, hip migration, leg length discrepancies and complex disability needing multilevel surgery.

Vision clinic (once a month) -run jointly with consultant Ophthalmologist, orthoptist and optometrists. The children seen have variety of disability including communication difficulties whose vision is hard to test, Cerebral visual impairment in proportion to their overall developmental status and children with CVI as a major feature. Functional vision is tested.

Feeding clinic- a multidisciplinary clinic run once a month for children referred with aspiration/swallow assessment.

Neurodevelopment clinic (biweekly) a general clinic with patients with a wide spectrum of neurodevelopmental problems.(usually every Wednesday morning)

School clinics - The trainee will have opportunity to work with the community paediatric team and attend the local specialist school clinics.

Transition clinic Walkergate-Trainee will have the opportunity to attend these clinics which are currently being established.

Regional Complex Neurodevelopmental Service (Autism Spectrum Disorders) (weekly), in which the trainee will gain experience in a regional service offered by an integrated Paediatric/CAMHS team.

They will also do a weekly special school clinic and a fortnightly secondary care CDC clinic.

There is opportunity to participate in the CDC multi-disciplinary therapy groups, working with a wide range of allied health professionals and colleagues from education and social care.

They will have responsibility to provide consultation and continuity of care in children with complex neurodevelopmental disorders who are admitted to GNCH under other sub-specialty teams.

During the day hours 9-5pm the trainee will work exclusively in Paediatric Neurodisability or Neurology but will take part in the acute paediatric on-call rota for general and sub-specialty patients out of hours. Rotas are EWTD compliant and based on a 1:8 full shift system, with 2 middle grade and 2 junior trainees on call at all times.

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

Trainees will be strongly encouraged to undertake both audit and research.

The University of Newcastle upon Tyne is home to the internationally renowned Developmental Neuroscience Group, The Disability Research Group and the NCG funded Mitochondrial Research Group. Clinical research through the Neurodisability clinics is on-going in collaboration with Professor Janet Eyre (Paediatric Neurology), Professor Allan Colver (Community Child Health), Dr Jeremy Parr (Paediatric Neurodisability), Dr Lindsay Pennington (NIHR Fellow, Speech and Language

Programme Description Grid 2019

Therapy) and Dr Anna Basu (Paediatric Neurology) all of whom would be pleased to discuss further research opportunities with interested trainees.

Teaching and training of junior doctors, nursing staff, other health professionals, professionals from other agencies and parents are all integral to the programme.

The trainee is expected to undertake the Paediatric Disability Diploma course which runs over two years, including two three-day residential courses in Sheffield each year. The course is integrated with the Framework of competencies for level 3 training in Paediatric Neurodisability and complements the clinical experience available in the training programme.

Current Grid trainees in Neurodisability working in this programme have presented at regional, national and international meetings.

Further training opportunities

Training in paediatric palliative care in the context of neurodisability is available throughout the programme.

In Newcastle, further formal training opportunities include

Weekly paediatric neurology grand round meeting where the trainee is expected to present any in-patients under the neurodisability team's care.

Alternate weekly neurophysiology and neuroradiology clinical meetings- the trainee is expected to present relevant cases at these meetings.

Quarterly MDT meeting for regional posture and movement service.

Contact details for unit

Sunderland: Dr Karen Horridge, Consultant Paediatrician (Neurodisability) karen.horridge@nhs.net

Newcastle : Dr Yasmin de Alwis, Consultant Neurodisability paediatrician.

Yasmin.dealwis@nuth.nhs.u

Severn

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)
North Bristol Trust	Neurodisability	24-30	Dr Mary Gainsborough Mary.Gainsborough@nbt.nhs.uk	C	Y
Bristol Children's Hospital	Neurology	6-12	Dr Mary Gainsborough Mary.Gainsborough@nbt.nhs.uk	C	Y

Programme Description Grid 2019

Subspecialty:	Neurodisability
Base Unit:	Bristol
Deaneries involved:	Severn

Outline of Programme

The neurodisability trainee will spend the first two (pro rata) years of this three-year training post based in Bristol Child Development/Disability Teams, with supervised responsibility for their own caseload, and with broad opportunities to observe and participate in multi-specialty, multidisciplinary and multi-agency working, with opportunities in both mainstream and special schools. The third year can be tailored to the trainee's needs, providing opportunities to develop a field of specialist skill, for example in Spasticity, Visual Impairment or Neurorehabilitation.

Departmental Information

- Organisation
Sirona Care and Health provides Paediatric Neurodisability and Community services across Bristol and South Gloucestershire co-terminously with the local authority Children and Young People's Services, within Bristol in both City-wide and in four Area teams, with multidisciplinary team discussions, reviews, assessments and training/CPD involving close working between paediatric and multidisciplinary colleagues. Bristol Royal Hospital for Children (University Hospitals Bristol NHS Trust) provides comprehensive secondary and tertiary/regional paediatric services including the regional neurosciences unit (paediatric neurology, neurosurgery, neuromuscular team, supra-regional epilepsy surgery programme and neuro-rehabilitation). There are close links with CAMHS, Paediatric Ophthalmology, Audiology, Orthopaedics, and Clinical Genetics. Access to Neuroradiology and Neurophysiology is excellent. There are strong academic links to the University of Bristol (see below).
- Team
The Area teams (3 in Bristol and one covering South Gloucestershire) are based in mostly purpose-designed clinic and office accommodation. Paediatricians, Physio-, Occupational and Speech/Language therapists, Specialist Nursery Nurses/Designated Keyworkers and Somali family link workers are co-located with Secretarial/Admin/Management teams, with visiting clinics by Paediatric Neurology, Orthopaedics, Ophthalmology, CAMHS, Specialist Learning Disability services and others. This post has access to the available Specialist training opportunities across the Bristol and South Gloucestershire region from whichever Area team they are based in.
- Supervisor(s)
Overall supervision of the programme is with Dr Tom Allport, Consultant Paediatrician in Community Child Health/Neurodisability Educational supervisors will be neurodisability specialists and will change depending on area team placement.

Clinical Training Responsibilities

Specialist training opportunities include:

Spasticity assessment and management:

Joint paediatric/orthopaedic clinics

Specialist upper and lower limb orthopaedic clinics

Programme Description Grid 2019

Gait analysis

Botox assessment and administration

Intrathecal baclofen, Selective Dorsal Rhizotomy & Deep Brain Stimulation assessments, Spinal surgery teams

Dysphagia/feeding difficulties:

Multidisciplinary assessment clinics on Area, City and Special school basis

Videofluoroscopy

Sensory impairment:

Specialist vision assessment

Functional/Neurodevelopmental vision clinic

Avon-wide sensory support team

Communication disorders:

Community and nursery-based neurodevelopmental and autism assessments including 'Seesaw' groups

Autism Diagnostic Observation Schedule (ADOS)

Specialist Autism clinical psychology

Joint assessments with CAMHS

Regional epilepsy surgery programme

Regional neuromuscular service

Regional clinical genetics service

Mental health and disability

Specialist Service for Child Learning Disability psychiatry, psychology & nursing service

Multi-agency 'complex needs' discussion/Joint Agency Panel

Positive Behaviour Support service

Hospital Liaison CAMHS

Neuropsychology/Neuropsychiatry

Adolescent inpatient unit

The training programme will include 6 months in the combined Bristol Paediatric Neurology service, gaining experience of inpatient and outpatient Neurology and Neurorehabilitation.

In the second half of the programme the trainee will take a management role within the Child Development/Disability Team, negotiate 'elective' periods of working with a small number of other specialties and disciplines, and write up and disseminate the research/audit undertaken in the first half.

CAMHS experience is best undertaken through regular membership of a team over time: throughout the 3 years trainees will have opportunities to join both locality CAMHS and Specialist Learning Psychiatry/Psychology colleagues.

Disabled children are more often abused than the general population, and we see supervised training in child protection as an small but essential part of this experience (attendance at peer review meetings and one 9-5 day on call per month).

Workload / Rota Arrangements / Example Timetable

On call, trainees will join the middle grade rota in Paediatric Neurosciences at the Children's Hospital. These duties will provide continuing experience in General Paediatrics, including well-supervised Paediatric Acute Care Unit (High Dependency including Burns, Plastic and Orthopaedic Surgery post-op, and Neurology/Neurosurgery), while developing skills in inpatient Neurology, Neurodisability and Neurorehabilitation. This on call rota will have educational approval for the supervised/unsupervised training content.

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

There are excellent educational meetings for Continuing Professional Development (CPD), Evidence-based practice (EBP) & Teaching on a Departmental basis and jointly between Neurodisability & Neurology teams, as well as Trust-wide Disability team educational meetings, Neuroradiology meetings, and Clinical Governance/audit sessions, and across each Regional Subspecialty. The department has a thriving Audit programme to which the trainee will be expected to contribute. There are strong academic links to the University of Bristol, via the 5-star rated School of Social and Community Health (Professors in child health Esther Crawley, Julie Mytton and John Henderson) with opportunities in Epidemiology (including the longitudinal ALSPAC dataset), Health Services and Qualitative research, and via Clinical Academics in Neurosciences.

Further training opportunities

Departmental members are affiliated to the British Academy of Childhood Disability, British Association for Community Child Health, and British Paediatric Neurology Association, who each have thriving academic programmes and work to advocate on behalf of patients, families and professionals in these fields. There are opportunities for trainees to participate in these organisations on a regional and national basis.

Contact details for unit

Dr Tom Allport, Tom.Allport@cchp.nhs.uk ; Dr Mary Gainsborough, Mary.Gainsborough@cchp.nhs.uk;
Clinical tutor: Dr Emma Bradley, Emma.Bradley@cchp.nhs.uk

Wales

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)
Neath Port Talbot Hospital	Neurodisability	12	Dr Tamsin Josty tamsin.josty@wales.nhs.u	C	Y
Serennu Childrens Centre, Newport	Neurodisability	12	Dr Michelle Barber michelle.barber@wales.nhs.uk	C	Y
Morrsiton Hospital, Swansea	Neurology	6 -12	Dr Cathy White cathy.white@wales.nhs.uk	O	Y
Children's Hospital for Wales, Cardiff	Neurology	6-12	Dr Johann te Water Naude johann.tewaternaude@wales.nhs.uk	O	Y

Additional Information

Grid training in Paediatric Neurodisability in South Wales is provided between 2 main centres, Neath Port Talbot Children's Centre (Abertawe Bro Morgannwg University Health Board) and Serennu Children's Centre (Aneurin Bevan University Health Board) (see www.sparkleappeal.org). Situated geographically a commutable distance apart, training within these centres offers excellent opportunity to experience different models of Child Development Team and Disability services. A year of training can be offered in either centre, with opportunity also to gain experience of provision of Children's Disability services in more rural localities in Wales. Paediatric Neurology training can be throughout the training period or in a separate component. There are numerous opportunities for research in the region, there is an active research network in Epilepsy (WERN), and a Welsh Paediatric Surveillance Unit operates in the region. There are established clinical networks in Paediatric Neurodisability and Paediatric Epilepsy, and trainees are encouraged to participate in clinical presentations, and joint audits.

In the three-year training programme

- a) 12 months based in each Paediatric Neurodisability Service (Swansea/Neath Port Talbot, Serennu Children's Centre Newport)
- b) 12 months based in Paediatric Neurology in either Swansea or Children's Hospital for Wales, Cardiff (or 6 months in each)

There are established tutors to support trainees in pursuing the MSc in Paediatric Neurodisability (Sheffield Hallam), the curriculum being closely linked to the Framework of Competencies for level 3 training in Paediatric Neurodisability with the RCPCH. Several

consultants have completed the MSc or are currently pursuing research towards their final dissertation, and can lend support, and a wealth of experience. Funding of this course may be supported through Wales Deanery.

Subspecialty:	Paediatric Neurodisability and Neurology Component - Swansea
Base Unit:	Children's Centre, Neath Port Talbot Hospital
Deaneries involved:	Wales

Outline of Programme

See above

Departmental Information

- Demographics

The population of Abertawe Bro Morgannwg is approximately 500,000 and is served by three Child Development Teams. There are close links with the local hospitals.

- Team

Consultant Team Swansea, Neath & Port Talbot

Dr T Josty - Consultant Community Paediatrician (Neurodisability & Neurodevelopmental disorders)

Dr V Bisht - Consultant Community Paediatrician (Neurodisability)

Dr R Sanikop - Consultant Community Paediatrician (Paediatric Audiology)

Dr C Samuel - Consultant Community Paediatrician (Neurodevelopmental disorders)

Dr J Griffiths - Consultant Community Paediatrician (Neurodisability & Palliative Care)

Dr S Tuohy - Consultant Community Paediatrician (Neurodisability & Epilepsy)

Dr S Jonathan - Consultant Community Paediatrician (Neurodisability & Neurodevelopmental disorders)

Dr C White - Consultant Paediatric Neurologist

Dr G Thomas - Consultant Paediatric Neurologist

- Supervisor(s)

Dr T Josty - Consultant Community Paediatrician

Clinical Training Responsibilities

The Grid trainee works within, and learns from the highly skilled and experienced multiagency Child Development Team. The trainee is based in the Children's Centre, along with other Paediatricians, Physiotherapists, Speech and Language Therapists, Occupational Therapists, Specialist Disability Nurse/Health Visitors, Behavioural Specialist Worker, Specialist Playgroup Staff, and the CAMHS team (including Primary Mental Health Worker).

The purpose-built Children's Centre acts as a hub for the wider team around the child, and hosts a wealth of learning opportunities for the trainee including participation in;

- Weekly multiagency referrals meetings
- Regular new and follow-up neurodisability/ neurodevelopment clinics
- Monthly joint Social Communication assessments (with therapists, educational psychologist, specialist teacher)
- Monthly Multidisciplinary Feeding/Dysphagia Clinics
- Quarterly Joint Neurology clinics
- Termly Joint Orthopaedic clinics
- Complex Disability clinics
- Orthotics and Wheelchair Assessment clinics
- General Developmental Assessment clinics
- MDT assessments for children with Hearing Impairments
- Fortnightly Outreach Special School Clinic (incl joint clinic with CAMHS Learning Disability consultant)

Other local opportunities in Swansea/Neath&PortTalbot include;

- Outreach/clinics with Community Paediatric Palliative Care team
- Joint Neurofibromatosis clinic
- Clinical Genetics Clinic
- Epilepsy clinics
- Learning Disability Challenging Behaviour Team
- Opportunity to integrate CAMHS experience into this post
- Artificial limb and Appliance Centre
- Active participation in safeguarding rota with good senior support and regular peer review
- Monthly Neuroradiology meetings
- Monthly Nutrition team meetings

The trainee participates in a broad range of learning opportunities, with a balance of supported experience and independent working, tailored to the needs and experience of the trainee.

Particular strengths of the local service include;

- Robust multiagency assessment pathways for suspected Autism / ADHD / Developmental Coordination Disorder
- Plentiful opportunities to develop skills in comprehensive developmental assessment, all aspects of Social Communication assessments, and to develop practical leadership skills in the MDT context.
- Excellent relationships with statutory and third sector partner agencies
- Opportunities for trainee to be involved in ongoing multiagency service development
- Shared pathways for Early Years assessments with the Flying Start initiative

Workload / Rota Arrangements

The trainee is based in the Children's Centre in Neath Port Talbot with an on-call commitment to Morrison Hospital. The weekly timetable is tailored to the training needs of the individual. The appointee will participate in the general paediatric middle grade on call rota (EWTD compliant) but there is no daytime commitment to general paediatrics

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

The Neurology and Molecular Neuroscience Research Team based in Swansea University provides good opportunities to participate in research. The trainee will be expected to contribute to the joint ABM network epilepsy meetings, the Wales Paediatric Neurodisability Clinical Network meetings and the South Wales Epilepsy Network Meetings. Teaching of undergraduates from the Graduate Entry Medical School, trainees and of other professionals is encouraged. The trainee will be expected to participate in meaningful audit /quality improvement projects and multidisciplinary journal club/case presentation meetings. Wales has an active generic skills education programme for senior trainees.

Further training opportunities

There are close links with other departments within the Health Board, and arrangements can be made to attend sessions with eg ophthalmology, gastroenterology, respiratory, neonatal intensive care. Time can be spent in neuroradiology and neurophysiology and this is encouraged.

Any further information

Time can also be spent in other Child Development Centres in the region.

Contact details for unit

Dr T Josty 01639 862732

tamsin.josty@wales.nhs.uk

Subspecialty:	Paediatric Neurodisability
Base Unit:	Serennu Children's Centre, Highcross, Newport
Deaneries involved:	Wales

Outline of Programme

See above

Departmental Information

- Demographics
- The population of Aneurin Bevan University Health Board is served by three Child Development Centres, in the North at Abergavenny,, in the West in Caerphilly and a brand new facility in the South of Gwent, Serennu Children's Centre where manager, therapists, Community Children's Nursing team, dieticians and Disabled Children's Team are based. The centre is managed and supported by Sparkle Appeal who provide support services for children and their families, including leisure and sports activities, and there is a medicinema for both families' use and educational activity. There are close links with the local hospitals. The trainee will be based at Serennu, with general paediatric on-call duties at the Royal Gwent Hospital Newport, but may also participate at clinics in the other Children's Centre to meet their training needs, and also for Specialist Child and Adolescent mental Health Team sessions St Cadoc's Hospital, Caerleon.
- Team
- Dr Michelle Barber Consultant Paediatrician (Neurodisability and Epilepsy)
- Dr Hilary Lewis Consultant Paediatrician (Neurodisability and Epilepsy)
- Dr Nicola Morgan Consultant Paediatrician (Neurodisability and Neurodevelopmental Disorders)
- Dr Alicia Rawlinson Consultant Paediatrician (Community Child Health)
- Dr Joanna Saunders Consultant Paediatrician (Neurodisability and Neurodevelopmental Disorders)
- Dr Christopher Woolley Consultant Paediatrician (Community Child Health)
- Dr Kath McCann Associate Specialist (Community Child Health, Fostering and Adoption)
- Dr Veronica Hickson Associate Specialist (Community Child Health, Audiology)
- Supervisor(s)
Dr Michelle Barber

Clinical Training Responsibilities

The Grid trainee will have individualised training opportunity depending on their needs and as informed following review of their training to date and with reference to the RCPCH curriculum for paediatric neurodisability. The trainee will participate in the following:

- a) Regular clinics in special schools and/or units and the opportunity to review children integrated in the mainstream.
- b) New and follow-up neurodevelopmental and neurodisability clinics
- c) Multi-agency referrals meetings mainly at Serennu, also the other children centres to learn about different models of CDT working, and to plan assessments and management of children and learn about local referral pathways
- d) Training in medical assessments for the local education authority, and in providing written, formal advice for children requiring statements of educational need.
- e) Monthly Multi-Agency Team clinics and continuing care meetings for children with complex health needs.

- f) Regular Epilepsy Clinics and quarterly transition epilepsy clinics.
- g) Monthly joint neurology clinics at the Serennu (Dr Frances Gibbon, Consultant Paediatric Neurologist)
- h) Regular Neuromuscular clinics at Serennu (Dr Louise Hartley, Consultant Paediatric Neurologist)

Other opportunities include:

- a) Specialist secondary and tertiary tier clinics for children with communication difficulties including suspected autism and specific language impairment (SLI), including reviews in the language unit for children with SLI.
- b) Specialist clinics for children with suspected Attention Deficit Hyperactivity Disorder.
- c) Specialist clinics for children with suspected developmental co-ordination disorder.
- d) Multi-disciplinary feeding clinic, video fluoroscopy and assessments with the speech and language therapy leads for dysphagia.
- e) Specialist joint orthopaedic, scoliosis, seating, orthotic and spasticity management.
- f) Ophthalmology, orthoptic and audiology clinics.
- g) Monthly genetic clinics.
- h) Training in the assessment of children with special sensory impairments, including placement at the advisory centre for children with visual impairment at Brecon House.
- i) Opportunity to follow through children for assessments at Bobath Cymru.
- j) Opportunity to attend sessions in neurophysiology.

There will be regular sessions in specialist Child and Adolescent mental Health including with the Learning Disability Team. There will be opportunity to attend ward rounds at Ty Hafan Hospice if required and some clinical training in paediatric palliative care locally in monthly specialist clinics. There will be opportunity to gain further training and experience in aspects of tertiary neurodisability including specialist communication clinics (for children requiring communication aids), environmental control, and artificial limb and appliance clinics. The trainee will be encouraged to follow newly referred children through their various assessments during the period of training and to chair multi-disciplinary meetings for children they know.

Workload / Rota Arrangements

In Newport, the trainee will be based in the Serennu Children's Centre at Highcross, with an on-call commitment to the Royal Gwent Hospital, participating in the general paediatric middle grade on call rota, as per grid requirements and EWTD compliant. There will be training in safe-guarding in relation to children with neurodisability and there are monthly peer review meetings which the trainee can attend.

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

The trainee will be expected to contribute to the teaching of undergraduates from Cardiff University, other trainees and professionals. They will be expected to participate in audit and quality improvement initiatives.

The trainee will also be encouraged to present and participate in the Wales Paediatric Neurodisability Clinical Network meetings and the South Wales Epilepsy Network meetings.

The trainee will be encouraged to pursue the Sheffield Distance learning MSc course in Paediatric Neurodisability, with support from their tutor and other consultants locally who have completed the MSc.

They will be encouraged and supported in appropriate collaborative research with partners in training.

Wales has an active generic skills education programme for trainees.

Further training opportunities

Training in Acquired Brain Injury will depend on opportunity, however sessions with outreach workers from various specialist centres in the UK has been offered in the past, and opportunity to participate in discharge planning of children with acquired brain injury and neurodisability, with acute service providers locally.

Any further information

CAMHS training is usually done via Ty Bryn Unit at St Cadoc's Hospital Caerleon.

Contact details for unit

Dr Michelle Barber 01633 656328 Michelle.Barber@wales.nhs.uk

Subspecialty:	Paediatric Neurology/Neurodisability
Base Unit:	Morrison Hospital, Swansea
Deaneries involved:	Wales

Outline of Programme

See above

Departmental Information

- Demographics
The population of South West Wales is approximately 1.1million of which almost half live in rural West Wales. There are well established links to serve this population between Morrison Hospital, where the service is based, and the surrounding district hospitals.
- Team
Consultants
Dr C White - Consultant Paediatric Neurologist
Dr G Thomas - Consultant Paediatric Neurologist
Dr S Tuohy - Consultant Community Paediatrician (Neurodisability & Epilepsy)
Dr T Josty - Consultant Community Paediatrician (Neurodisability & Neurodevelopmental disorders)
Dr V Bisht - Consultant Community Paediatrician (Neurodisability)
Dr R Sanikop - Consultant Community Paediatrician (Paediatric Audiology)
Dr C Samuel - Consultant Community Paediatrician (Neurodevelopmental disorders)
Dr J Griffiths - Consultant Community Paediatrician (Neurodisability & Palliative Care)
Dr S Jonathan - Consultant Community Paediatrician (Neurodisability & Neurodevelopmental disorders)

Other Team members
1.8WTE Specialist Epilepsy nurses - Sharon Brown, Lisa Phillips
Neuromuscular Adviser - Sarah Gates
neurosurgical Nurse Specialist - Ian Williams
- Supervisor(s)
Dr C P White

Clinical Training Responsibilities

The trainee will have ongoing involvement with the routine paediatric neurology and neurodisability outpatient clinics held in Morrison Hospital and the Children's Therapy Centre and with the neurology inpatients. The Department is often asked to perform complex investigations for children seen in outreach clinics and for children under the care of other colleagues. We also see children admitted under other consultants and in NICU. MDT working in neuromuscular disorders and epilepsy is a strength of the department.

The range of outpatients that the trainee will have access to includes

Complex Neurodisability Clinics
Multidisciplinary Muscle Clinics including neuro-respiratory and Transition
Peripheral Neuropathy Clinics
Botox clinics (upper and lower limb)
First Seizure Clinic
Complex epilepsy clinics
Joint clinics with orthopaedic surgeons, neurosurgeons, oncologists and the craniofacial team

ASD assessment clinics
Learning Disability Psychiatry
Joint clinics with other community consultants including palliative care
Outreach Clinics in West Wales

There are clinics available every day and the expectation would be that a trainee would attend 4 clinics per week.

Attachments can be arranged in neurophysiology, adult neurology and CAMHS. Regular meetings are held with the adult neurologists, adult and LD epileptologists, and neuroradiologists, as well as within the Department of Child Health.

Workload / Rota Arrangements / Example Timetable

The appointee will participate in the general paediatric middle grade on call rota (EWTD compliant) but there is no daytime commitment to general paediatrics. The timetable is flexible with room to develop special interests.

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

The Neurology and Molecular Neuroscience Research Team based in Swansea University provides good opportunities to participate in research. Epilepsy genetics and epidemiology are the current foci of interest. The Department also contributes to the research of the North Star network for children with neuromuscular diseases. Regular meetings are held with the neuroradiologists and adult physicians in neurology and rehabilitation medicine, as well as within the Department of Child Health. The trainee will be expected to contribute to these meetings as well as the ABM network epilepsy meetings, the Wales Paediatric Neurodisability Clinical Network meetings and the South Wales Epilepsy Network Meetings. Teaching of undergraduates from the Graduate Entry Medical School, trainees and of other professionals is expected. The trainee will be expected to participate in meaningful audit /quality improvement projects and multidisciplinary journal club/case presentation meetings. Wales has an active generic skills education programme for senior trainees.

Further training opportunities

There are close links with other departments within the Trust and arrangements can be made to attend sessions with them eg ophthalmology, genetics, gastroenterology, neonatal intensive care. Time can be spent in neuroradiology and neurophysiology, and is encouraged. Attendance at outreach clinics is expected.

Any further information

Time can also be spent in other Child Development Centres in the region. CAMHS training is usually done via Neath Port Talbot Children Centre

Contact details for unit

Dr C P White 01792 704023

Cathy.White@wales.nhs.uk

Subspecialty:	Paediatric Neurology
Base Unit:	Children's Hospital for Wales, Cardiff
Deaneries involved:	Wales

Outline of Programme

The training programme for Paediatric Neurology in Wales is spread over two units: paediatric neurology and adult neurology over a period of two and a half years in Cardiff (at the Children's Hospital for Wales (CHfW) and the University Hospital of Wales, both on the same site in Cardiff), and then a further year of neurology and neurodisability in Swansea.

Departmental Information

- Demographics
The Children's Hospital for Wales serves a paediatric population of 600,000, primarily from South Wales, within a population of 2.4 million. CHfW is the lead centre for Paediatric Neurosciences in Wales, with outreach services to other hospitals in South Wales. The other regional services provided at CHfW are intensive care, neonatology, respiratory medicine (including non-invasive ventilation), neurosurgery, surgery, oncology, palliative care, cardiology, endocrinology, gastroenterology, nephrology and psychology. Furthermore, both general and community paediatrics at CHfW are well-developed and mature services, allowing the delivery of effective and integrated care.
- Team
There are currently 2.5 wte paediatric neurologists at CHfW: Dr Frances Gibbon, Dr Johann te Water Naudé and Dr Sam Amin, with a further paediatric neurologist doing neurorehabilitation, Dr Anurag Saxena. We have one full time equivalent epilepsy nurse specialist, along with a neurosurgical nurse specialist. We work closely with our specialist therapists (physiotherapy, occupational therapy and SALT), with weekly formal multidisciplinary meetings and ward-based joint assessments. There is also a fully-staffed neurorehabilitation team with a manager, physiotherapists, occupational therapists and speech therapists, as well as a child psychologist. There are a minimum of five neurology clinics per week where a mix of epilepsy and general neurology patients are seen. We also run subspecialty paediatric neurology clinics in epilepsy, teenage epilepsy, neuromuscular disorders, demyelination disorders, paediatric ophthalmology, neurometabolic disorders, neuro-oncology, neuro-urology and in fetal medicine. A multidisciplinary Rett syndrome clinic runs three times per year attracting national and international referrals. Our expectation is that our trainee would do at least two clinics per week, with their rotating through the other clinics on an elective basis, aiming to have a reasonable knowledge of these subspecialist areas at the conclusion of the training period.
- Supervisor(s)
Johann te Water Naudé (tewaternaudeja@cardiff.ac.uk)

Clinical Training Responsibilities

Our trainee works within the paediatric neurology service with two rotating paediatric trainees (one senior, the other junior) to provide a ward- and clinic-based neurology service. This is covered on a 1:3 basis by the consultants, with two formal ward rounds per week, and one multi-disciplinary meeting with our therapists. Our in-patient population usually comprises a mix of children, some with traditional neurological presentations, together with a variable number of children with degenerative disorders. We also cover paediatric neurosurgery, with a varied neurosurgical case load (both shunt-related, and

with pre- and post-operative brain tumour cases) and children with acquired brain injuries. We also provide neurological consultations for children admitted to the general and other subspecialist services, as well as children and neonates on PICU and NICU. There are at least five neurology clinics each week which are attended by our trainees, with attendance at the subspecialty clinics being on a more ad hoc basis. Our trainees attend the meetings we have on a weekly basis, in neuroradiology, neuropathology, and neurophysiology. There are two weekly teaching meetings with the adult services, a neuropathology MDT with the neurosurgeons and oncologists and a general neurosciences meeting with the adult neurology team.

Workload / Rota Arrangements / Example Timetable

The Grid trainee will be attached to the paediatric neurology service during the normal working day, and cover the paediatric subspecialty services at night and after hours: this comprises the oncology, neurology, respiratory, nephrology and cardiology units. The rota intensity is 1:11 and it is EWTD-compliant. This means the trainee will have exposure to 24 hr neurology cover when on call. There is no requirement to cover general paediatrics or the emergency department. There is usually at least one of our trainees present on any day, but there is an established cover system which augments this if necessary. The core aspects of the training programme are:

Epilepsy: our trainee will be expected to achieve the competencies set out in the subspecialty guidelines for trainees in paediatric neurology by the end of the second year of Grid training. This will be facilitated by the clinical placements, as well as by EEG teaching during the first year of the placement. There will also be opportunities to complement this syllabus through more dedicated placements, either in- or out-of-programme. The exposure to the management of adult epilepsy will also be useful in this context. The adult epilepsy service has a close relationship with CUBRIC, the imaging centre at Cardiff University, which has advanced imaging modalities available (3T MRI, as well as MEG and a research 7T MRI): we envisage that there might be opportunities for our trainee to become familiar with the usefulness of these imaging techniques in epilepsy.

Neuromuscular: our trainee will start with exposure to the paediatric neuromuscular service in the first year, and then will later attend adult neuromuscular clinics, both in muscle, and in nerve, in the second year of their programme. This will then be followed by further training in neuromuscular neurology locally and with the option to attend clinics and muscle pathology meetings in Bristol.

Adult neurology: the exposure to adult neurology in this programme will be clinic-based, with the option of converting to a block of in-patient neurology if this is thought to be useful. Clinics will start with a general clinic, with an emphasis on an anatomic approach to neurology and will then move to clinics in teenage and adult epilepsy. The last aspect of adult neurology that will be covered in depth will be neuro-inflammatory disorders, with an attachment to the adult multiple sclerosis service. The disability-based approach used here will complement the paediatric neurodisability component of the training programme. Further, the academic component of the adult neurology teaching programme (on Thursday afternoons) will allow our trainee to learn with a motivated cohort of adult neurology trainees, as well as educating them about the modes of presentation of paediatric neurology.

Neurorehabilitation: The primary objective for this post is education and training in paediatric neurology. However, the neurorehabilitation service for children from South Wales with head injuries is based at CHfW. A proportion of our clinical load is directed towards the care of the children who are being rehabilitated. Neurology trainees in our unit get an excellent exposure to the problems associated with acute childhood head injury: this starts with our assessment and joint management in the PICU, and then later in the rehabilitation unit, where the impetus is in the multi-disciplinary management (in the widest sense) of children who have had a head injury. This complements the multi-

disciplinary approach we employ for the majority of children we see on the wards or in clinic with neurological problems. We would expect that our trainee would become very fluent with the needs of children with neurological problems, and very adept at managing this provision.

Neurodisability

The neurodisability requirement will be met in the Swansea attachment (see the linked programme submission) which provides a wide range of neurodisability clinics and subspecialities. There is also an opportunity to attend one neurodisability clinic per week in Newport in year 2 of training.

Neonatal neurology

The post provides training in fetal neurology and regular consults to the new supra - regional neonatal unit (due completion December 2017) with 25 intensive care cots.

We encourage all trainees who wish to pursue a subspecialty interest and would support them if this meant a placement out of Wales.

The timetable for this training post is flexible, but we would envisage the following as being what we would regard as the basis for further discussion:

First year	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Consultant handover round	Paeds neurology MDT	SpR ward round, with a monthly attachment to the paediatric neuro-muscular service	Fetal medicine MDT	Neuroradiology
	Neuropath meeting	Consultant ward round		SpR ward round	Neurosurgical ward round
	SpR ward round	Neurorehabilitation meeting			Consultant ward round
				Neurorehabilitation ward round	
Afternoon	Paeds clinical meeting	Adult neurology clinic (Hughes)	Hospital grand round	Paeds grand round	Paeds clinical teaching
	Non-clinical/study time		Paeds neurology clinic	Adult neuroscience meeting	Paeds neurology clinic
	EEG teaching		Consultant handover round	Consultant handover round	

Year two	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Consultant handover round	Medical student teaching (paeds neurology)	Adult epilepsy clinic (Hamandi)	Teenage epilepsy clinic (Smith), alternating with elective CESS in Bristol and SpR ward rounds	Neuroradiology
	Subspecialty clinic	Paeds neurology MDT			Neurosurgical ward round
		Consultant ward round	Adult epilepsy surgery MDT (Grey)		Consultant ward round
		Neurorehabilitation meeting		Neurorehabilitation ward round	

				(latter once monthly)	
Afternoon	Paeds clinical meeting	Non-clinical/study time	Hospital grand round	Paeds grand round	Paeds clinical teaching
	Adult neurology, including adult neuro-muscular clinic		Paeds neurology clinic	Adult neuroscience meeting	Paeds neurology clinic, alternating with genetic and spasticity management clinics
			Consultant handover round	Consultant handover round	

Year three	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Consultant handover round	Medical student teaching (paeds neurology)	Adult neuro-inflammatory MDT (Robertson)	Teenage epilepsy clinic, alternating with elective CESS in Bristol and SpR ward rounds (latter once monthly)	Neuroradiology
	Neuropath meeting	Paeds neurology MDT			Neurosurgical ward round
	SpR ward round	Consultant ward round			Consultant ward round
		Neurorehabilitation meeting			Neurorehabilitation ward round
Afternoon	Paeds clinical meeting	Neuromuscular service (either in Bristol or within CHFW)	Child psychiatry attachment	Paeds grand round	Paeds clinical teaching
	Non-clinical/study afternoon			Adult neuroscience meeting	Paeds neurology clinic, alternating with genetic and spasticity management clinics
				Consultant handover round	

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

Trainees in Cardiff are expected to supervise the non-Grid trainees and manage the neurology and neurosurgical patients with consultant supervision, and later more autonomously. The Wales deanery expects all paediatric trainees to be involved in audit, and also the development of appropriate clinical guidelines. Our previous trainees have presented work at local, national and international meetings, and had aspects of their work published. We are currently facilitating collaborative studies through the Paediatric Clinical Research facility, with involvement in a number of studies such as novel anticoagulant agents in children with intracranial venous sinus thromboses and orphan drug treatment for children with spinal muscular atrophy. We envisage that studies using this facility will expand significantly. We have a sizeable commitment to student teaching, in which all our trainees participate. The University Hospital of Wales has hospital-wide grand round presentation competitions, where our trainees have presented some of our more interesting clinical cases, which are always instructive to the mainly adult-orientated audience.

Further training opportunities

Our trainees have opportunities to arrange elective placements, and to undertake an out of programme placement. We encourage their attendance at local and regional meetings

(both paediatric- and adult-orientated); a highlight is the four-monthly M4 meeting, where we meet with colleagues from Oxford, Southampton, Swansea and Bristol, to share and discuss instructive and difficult clinical cases. There is an active South Wales Epilepsy Forum. We encourage our trainees to enrol on the BPNA distance learning course and are able to provide funding for 50% of the course.

Any further information

Neurodisability training is currently via the service in Swansea, although this is under review. The adult component of this post is supervised by Khalid Hamandi in the Department of Neurology at the University Hospital of Wales in Cardiff. This is a traditional neurology service, which functions as the local referral unit for adults in South-East Wales. The particular strengths of this unit are in general neurology and adult stroke: this portion of training will have significant input from Tom Hughes. His input into this aspect of the adult attachment is especially valuable as he very effectively teaches the importance of neuroanatomy in the clinical assessment of patients. The other major strength of the adult unit are in their neuroinflammatory service, which functions as the reference centre for South Wales, and has close ties with the Bristol unit.

Why Cardiff?

The CHfW is an autonomous unit, and the second stage of this hospital was completed in 2015: the outcome is a coherent mix of all the paediatric services, including theatres, in the same space.

The setup of the on call rota means there is no OOH cover for emergency or general paediatrics.

Cardiff is an attractive city, and has an attractive combination of entertainments and culture, including the Welsh National Opera. It comes alive on Saturdays when there is rugby being played! The other attraction lies in the accessibility of the mountains and the sea.

Contact details for unit

Johann te Water Naudé (02920743540)

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)
Solent NHS Trust	Community Child Health	24	Dannielle Rowley dannielle.rowley@solent.nhs.uk	C	Y
University Hospital Southampton	Paediatric Neurology	12	Dannielle Rowley dannielle.rowley@solent.nhs.uk	C	Y

Additional Information

The order of above rotations is not necessarily the order the trainee will complete the placements

Sub-specialty:	Neurodisability
Base Unit:	Solent NHS Trust
Deaneries involved:	Wessex

Outline of Programme

This is a 3 year programme consisting of 24months neurodisability training with the Community Paediatric Service at Solent NHS Trust and 12months training with the Paediatric Neurology team at University Hospital Southampton NHS Foundation Trust.

Solent NHS Trust is a Community Trust; the Community Paediatric department in solent is in 2 main teams Solent East which covers the geographical area of Portsmouth City and South-East Hampshire (including Havant, Petersfield, Fareham and Gosport) and Solent West which covers the geographical area of Southampton City and South West Hampshire (including the New Forest, Romsey, and Southern Parishes). The trainee may work across both Solent East and Solent West during the course of the programme.

Training will be part locality based and part modular. The programme will be adaptable depending on the needs and previous experience of the trainee however in principal will consist of the following:

Locality Training:

The trainee will work in a locality to undertake assessment and management of children with developmental conditions and disability. The experience within the locality will include:

- referral meetings
- outpatient clinics where the trainee will see and assess children with developmental conditions, physical disabilities, social communication difficulties and arrange appropriate investigations and ongoing management
- liaison with other professionals eg health, education, social care where required
- attendance at team around the family meetings, child protection conferences where relevant
- close working with the multidisciplinary team for children with more complex needs including multidisciplinary team assessments
- input to relevant multiprofessional/agency meetings for example regular locality therapy meetings, joint health/education early years meetings for the locality.
- complete health advice for children requiring assessment for an education, health and care plan within the locality.

Ongoing experience within a locality alongside the modular training will allow the trainee opportunities for continuity (particularly with children and families and seeing the progress and outcomes of previous input), longer term management of conditions/childhood disability and wider experience of all the support available to these children and families including health, education, social services and voluntary agencies. It will also allow opportunities to develop further team working skills, communication skills and to become an integral member of the locality team.

Modular Training will focus on gaining more experience in specific areas to include:

- Physical disability - including special school input, therapy options, orthotics, wheelchair services experience, and opportunities for specialist services such as use of botulinum toxin, intrathecal baclofen, orthopaedic intervention and other anti-spasticity treatments
- Severe Learning Difficulties - Including special school input

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- Autistic Spectrum Disorder - assessment and management of children with autistic spectrum conditions including use of standardised assessments such as ADI/ADOS
- Behavioural/Neurodevelopmental Paediatrics - including the diagnosis and management of children with ADD/ADHD, challenging behaviour in neurodevelopmental disorders and ASD
- Mental Health - experience in common child and adolescent mental health conditions and management of psychological needs in children with disabilities/chronic health condition
- Chronic Health Needs - including multidisciplinary feeding assessments, children with complex cardiac, neurological or other chronic health conditions, transition to adult services
- Sensory Impairment - experience in hearing and vision disorders including children with auditory and visual processing difficulties
- Sleep disorders - assessment and management of common sleep disorders including OSA, parasomnia's

Other training needs:

- Management skills - relevant training, departmental management meetings, opportunities for involvement in local service development
- Clinical Governance - attendance and participation in local clinical governance meetings, trust SIRC panels, participation in audit
- Regional training days, department CPD, regional community training days - include joint genetics meetings, safeguarding training and peer review and neurodevelopmental topics

Departmental Information

- Demographics
The population of 0-16years in the geographical area covered by Solent NHS Trust is estimated to be approximately 120,000
- Team
The Community Paediatric team in Solent East (including Portsmouth, Havant, Fareham and Gosport) consists of 7 consultants, 4 speciality doctors and a team of specialist nurses. The Community Paediatric team in Solent West (including Southampton, New Forest, Southern Parishes) consists of 5 consultants, 2 associate specialists and a team of speciality doctors and specialist nurses. The team includes named and designated doctors for safeguarding and looked after children. The are comprehensive teams of general paediatricians at neonatologists at both Portsmouth and Southampton hospitals and tertiary specialists based at University Hospital Southampton.
- Supervisor(s)
The trainee will have 1 educational supervisor for the 3 year programme with additional named clinical supervisors for the locality and modular work. It is expected the trainee would meet with educational supervisor every 2-3 months for formal educational supervision with more frequent meetings if required and informal supervision/discussion inbetween. Trainee's will receive regular clinical supervision for clinics and further informal supervision is encouraged.

Clinical Training Responsibilities

The trainee will be part of the general paediatric out of ours rota for the acute trusts of either Portsmouth Hospitals NHS Trust or University Hospital Southampton (depending on whether they are based in Solent East or Solent West at the time).

Workload / Rota Arrangements / Example Timetable

The out of hours shifts (evenings/weekends/nights) will be as per the local rota which are all compliant with the new junior doctor contract (and EWT). There is formal handover at the beginning and end of each shift with consultants always present for the morning handover after a night shift.

An example week for the programme

		Monday	Tuesday	Wednesday	Thursday	Friday
Week 1	Morning	Modular training	Modular training	Administration / Educational supervision	Locality clinic	Locality work
	Afternoon	Modular training	Therapy Link Meeting	Departmental CPD	Referral meeting and locality work	Research/audit

Example of what a trainee's week timetable could look like. Locality work would include tasks related to clinics (eg dictation, checking reports, chasing investigations, liaison with professionals, attendance at TAF meetings, visits to pre-schools/schools other settings as required). Modular work would include experience in the areas detailed above for example specialist feeding or movement disorder clinic.

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

The trainee will be expected to participate in audit/quality improvement projects and opportunities in research will be encouraged.

The department has an active programme of CPD and peer review which the trainee will be expected to participate in.

The trainee will have the opportunity and be encouraged to participate in teaching opportunities for medical students and colleagues.

Further training opportunities

Regional training is available in genetics.

Trainee's are supported to complete MSc in relevant subjects.

Any further information

Contact details for unit

Danielle Rowley, Consultant Paediatrician Community Child Health

danielle.rowley@solent.nhs.uk

Tel: 02382 310661

Community Paediatric Medical Services, Old Gymnasium, Fort Southwick, James Callaghan Drive, Fareham PO17 6AR

Sub-specialty:	Neurodisability
Base Unit:	University Hospital Southampton NHS Foundation Trust
Deaneries involved:	Wessex

Outline of Programme

This is a 3 year programme consisting of 24months neurodisability training with the Community Paediatric Service at Solent NHS Trust and 12months training with the Paediatric Neurology team at Univeristy Hospital Southampton NHS Foundation Trust.

The paediatric Neurology service at University Hospital Southampton provides specialists neurology servies to Southampton and the surrounding Wessex region.

Training with the Neurology service will include inpatient and outpatient experience to include:

- Neurorehabilitation of children and young people with aquired brain injury with the Southampton Children's Integrated Neurorehabilitation team which has 4 dedicated neurorehabilitation beds. This will include coordinating services for discharge planning for children transferring to their local hospital/community.
- Multidisciplinary meetings
- Neuroradiology meetings
- Ward experience
- Specialist clinics for children with neuromuscular conditions, complex motor disorders and epilepsy
- Experience in assessment and management of spasticity with the muscular tone management service including multidisciplinary assessment with goal setting for interventions such as botox, intrathecal baclofen and referral for SDR.

Departmental Information

- Demographics
The Paediatric Neurology service provides specialist tertiary services to children and young people within the region of Wessex.
- Team
The Paediatric Neurology team consists of 7 consultants, 2 specialist physiotherapists, paediatric neurology specialist nurse, 2 paediatric epilepsy nurses, occupational therapist, speech and language therapist, dietician and within the wider team include, neuroradiologists, neurophysiologists, neuropsychology and genetics.
- Supervisor(s)
The trainee will have 1 educational supervisor for the 3 year programme; they will have an additional named clinical supervisor during their neurology placement with one of the paediatric neurologists. It is expected the trainee would meet with educational supervisor every 2-3 months for formal educational supervision with more frequent meetings if required and informal supervision/discussion inbetween. Trainee's will receive regular clinical supervision for clinics. Further informal supervision is encouraged.

Clinical Training Responsibilities

The trainee will be part of the general paediatric out of ours rota at University Hospital Southampton for out of hours shifts including nights and weekends. They will have responsibilities for supervising junior colleagues on the ward and opportunities for teaching medical students.

Workload / Rota Arrangements / Example Timetable

The out of hours shifts (evenings/weekends/nights) will be as per the local rota which are all compliant with the new junior doctor contract (and EWT). There is formal handover at the beginning and end of each shift with consultants always present for the morning handover after a night shift.

An example week

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	Clinic	Neuroradiology meeting	Ward Round	Multidisciplinary meeting	Ward round
Afternoon	Clinical admin	Ward work	CPD/Audit	Specialist clinic	Neurorehabilitation work

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

The trainee will be expected to participate in audit/quality improvement projects and opportunities in research will be encouraged.

The department has an active programme of CPD and peer review which the trainee will be expected to participate in.

UHS is a teaching hospital and trainees will have the opportunity and be encouraged to participate in teaching opportunities for medical students and colleagues.

Further training opportunities

Regional training is available in genetics.

Trainee's are supported to complete MSc in relevant subjects.

Contact details for unit

Paediatric Neurology Team
Mailpoint 44
Southampton Children's Hospital
Southampton General Hospital
Tremona Road
Southampton
SO16 6YD
Telephone: 023 8120 4765

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)
Robert Jones and Agnes Hunt	Neuromuscular/ Neurorehabilitation	12	Dr Tracey Willis/Dr Richa Kulshrestha (tracey.willis@rjah.nhs.uk / richa.kulshrestha@rjah.nhs.uk)	C	Y
Shropshire community NHS trust Community/	Community/ Psychiatry	6	Dr Diane Short/Dr M Ganesh (diane.short@shropcom.nhs.uk / m.ganesh@shropcom.nhs.uk)	C	Y
Birmingham Children's hospital	Neurorehabilitation/Neurology/ CAMHS	12	Prof Raj Gupta (Rajat.Gupta@bch.nhs.uk)	C	Y
Birmingham Community NHS Trust	Community/Neurodisability	6	Dr Neal McCathie (Neal.McCathie@bhamcommunity.nhs.uk)	C	Y

Additional Information

All centres are commutable from a central Birmingham/Shropshire location. Easy access via rail and personal transport. This posting is a single deanery programme. See job descriptions for further details.

Subspecialty:	Neuromuscular/Neurorehabilitation/Neurodisability training
Base Unit:	Robert Jones and Agnes Hunt NHS Foundation Trust Hospital
Deaneries involved:	Health Education West Midlands

Outline of Programme

Neuromuscular/Neurorehabilitation/Neurodisability at Robert Jones and Agnes Hunt NHS Foundation Trust Hospital

Departmental Information

Demographics

The Robert Jones & Agnes Hunt Orthopaedic Hospital provides services for a population well in excess of 750,000 people not just from Shropshire and Mid Wales but also North Wales, Merseyside, Cheshire, and Staffordshire. The hospital receives secondary and tertiary referrals from an even wider area with a vision to be the leading centre for high quality, sustainable orthopaedic and related care, achieving excellence in both experience and outcomes for our patients. The hospital is known for its orthopaedic, musculoskeletal medicine and rehabilitation services, which include the Midlands Centre for Spinal Injuries (MCSI), Rheumatology, Leopold Muller Arthritis Research Centre, Metabolic bone service, Neuromuscular disorders, ORLAU (orthotic research and locomotor assessment unit) Gait laboratory, Spinal disorders centre, Paediatric orthopaedic rehabilitation and care of the elderly.

Team

Medical staff

There are 2 Consultant Paediatricians; Prof Tracey Willis (Paediatric Neurology) and Dr Richa Kulshrestha (Neurodisability).

Speciality Registrars

There is one speciality registrar (ST-6+) post

Multidisciplinary team: physiotherapy, orthotist, two specialist nurses, psychology, geneticist and orthopaedic consultant. etc

Supervisor : Prof Tracey Willis

Clinical Training Responsibilities

This job description is for the training in Neurorehabilitation/Neurodisability at Robert Jones and Agnes Hunt NHS Foundation Trust Hospital under the supervision of Dr T Willis.

Post

This post will provide training in the outpatient management of patients requiring neurorehabilitation and will give the trainee excellent experience in the care of children with complex care needs. The trainee would also be responsible for reviewing the neuromuscular patients in the out-patients (2-3 clinics per week) and neurology clinic (1 per week) and assessing their needs. These are complex children and often have multisystem involvement. The trainee is responsible for in-patients and is expected to liaise with other departments, both medical and non-medical, speech therapy, physiotherapy, occupational therapy and clinical psychology. The trainee will have the opportunity to attend spinal clinics (scoliosis patients), botox sessions with the paediatric Orthopaedic consultant, Gait analysis in ORLAU and attend the movement centre. The trainee is supervised and supported by the consultant.

Regular Clinical/Multi Disciplinary Meetings:

Muscle MDT meetings- weekly. Neurorehabilitation ward rounds - three weekly

On Call. The trainee will provide on call cover for children’s services at the Princess Royal Hospital, Telford. Shrewsbury & Telford Hospitals NHS Trust. The rota is EWTR compliant and attracts Band 1A supplement.

The Timetable in Paediatric Neurorehabilitation/Neurodisability is as below:

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>a</u> <u>m</u>	Ward round/Neurology clinic	Neurology grand round (BCH)	Muscle Outpatient clinic	Ward round	Muscle outpatient clinic
<u>p</u> <u>m</u>	Joint paediatric spinal injuries clinic (3 rd Monday)	Admin/ward round	MDT	Movement centre/ORLAU	Admin/teaching/journal club.

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

The service participates in national audit and research initiatives. There are close links with Prof Glenn Morris and his group on site who have an international reputation in monoclonal antibody studies, with a particular interest in Spinal Muscular Atrophy. On site facilities include a proteomics facility. The Centre for Inherited Neuromuscular Disorders (CIND) represents a combination of research, pathology, clinical and surgical personnel focussed on these conditions at RJAH.

Further training opportunities

The service is supported by muscle pathology provision, radiology, and ORLAU (orthotics research and locomotor assessment unit) for gait assessment and orthotics.

Any further information

Contact details for unit

For further information and to arrange to visit us please contact:
Tracey Willis 01691404047 tracey.willis@rjah.nhs.uk, Richa Kulshrestha 01691404047
Richa.Kulshrestha@rjah.nhs.uk

Subspecialty:	Paediatric Neurology
Base Unit:	Birmingham Children's Hospital
Deaneries involved:	Health Education West Midlands

Outline of Programme

The acute neurology component of the neurodisability grid post is provided via a 12 month rotation in the Department of Neurology in Birmingham Children's Hospital.

Departmental Information

Demographics

The Department of Paediatric Neurology at Birmingham Children's Hospital (BCH) is a tertiary referral centre for paediatric neurology for the West Midlands and caters for a population of over six million. The department sees a wide range of patients with neurological problems and provides sub speciality care for children with paediatric epilepsy, neuromuscular disease, acquired brain injury and rehabilitation, spasticity, neuro metabolic and neuro motor disease, neuro ophthalmology, demyelinating diseases. The department sees over 700 new patients per year with follow up attendance of over 2,500 patients per year and 200 in-patients per year. There are 90 out reach clinics each year. The paediatric epilepsy service also has an active supra regional paediatric epilepsy surgery programme and also provides ketogenic diet and vagal nerve stimulator implantation service for patients with intractable epilepsy

Team

- Medical staff: There are 5 WTE Consultant Paediatric Neurologists - Dr Sunny George Philip, Dr Evangeline Wassmer (Clinical Lead), Prof Rajat Gupta, Dr Shakti Agrawal, Dr Ratna Kumar.
- Neuromuscular specialist - 0.3 WTE - Dr Helen Roper and Dr Tracey Willis
- Neuro rehabilitation - Prof R Gupta
- Epilepsy Specialist Nurse - James Lewis, Bethany Chevill
- Neurology Specialist Nurse- Amanda Weedon
- The department works very closely with the metabolic disease service, neurophysiology, neurosurgery, ophthalmology, radiology for the provision of the paediatric neurology services.
- Specialist Registrars - There are two specialist registrar posts in paediatric neurology including a national grid post.
- Junior Doctors - 2 more junior trainees - a foundation year 2 trainee and ST2-3 trainee.

Supervisor: Dr Shakti Agrawal is currently the West Midlands Deanery Advisor for Paediatric Neurology.

Clinical Training Responsibilities

This job description is for the training in Neurorehabilitation/Neurodisability at Robert Jones and Agnes Hunt NHS Foundation Trust Hospital under the supervision of Dr T Willis.

Post

This post will provide training in the outpatient and in-patient management of a wide range of paediatric neurological disorders and will also give the trainee excellent experience in the care of neurologically sick children with complex care needs. Specialist out-patient clinics for epilepsy, neuromuscular disease, neuro ophthalmology, neuro motor, demyelination, epilepsy surgery, vagal nerve stimulator implant, epilepsy transition clinics are available for the registrar to attend depending on their interest. There will also be opportunity during this post to attend some clinical psychology and child and adolescent psychiatry sessions/clinics for either 3 months out of the 12 as a block, or one day per week for 12 months.

Regular Clinical/Multi Disciplinary Meetings:

Neuro radiology - weekly, Neuro metabolic - weekly, Rehabilitation ward rounds - weekly, Neurology grand round - weekly (Teaching and multi disciplinary ward round), Epilepsy surgery - weekly, Metabolic radiology - monthly, Neuro mycology - three monthly.

Paediatric neurology teaching for speciality trainees - minimum one hour every week supervised or led by the Consultant on-call. This programme intends to cover all essential paediatric neurology and epilepsy topics in a period of a year as a rolling programme.

Workload / Rota Arrangements / Example Timetable

The Trainee will be part of the hospital at night rota, covering acute paediatrics and other specialties out of hours. About 30 % is general paediatric out of hours work, and 70 % is specialty working (in normal hours

In hours the trainee will be working in paediatric neurology/disability/CAMHS as above. The Timetable in Paediatric Neurology is as below:

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>9am-1pm</u>	<u>OPD</u>	<u>Teaching Round</u>	<u>MDT and WR</u>	<u>OPD or WR</u>	<u>Teaching OPD or WR</u>
<u>1pm-5pm</u>	<u>Ward Round</u>	<u>OPD</u>	<u>OPD or Wards</u>	<u>OPD</u>	<u>Ward work</u>

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

The department has a keen interest in teaching both under graduates and postgraduates. The trainees would be expected to participate in teaching medical students in the outpatient clinics and with in-patients.

The department is also involved in doing research and audit projects, to which the specialist registrar would be able to contribute. The Paediatric Neurology Department has an active audit programme.

Further training opportunities

There maybe an opportunity to apply for an epilepsy fellowship (1year) post grid training.

Contact details for unit

For further information and to arrange to visit us please contact:
Prof Rajat Gulta; Rajat.Gupta@bch.nhs.uk

Subspecialty:	Neurorehabilitation/Neurodisability training
Base Unit:	Shropshire Community Health NHS Trust
Deaneries involved:	Health Education West Midlands

Outline of Programme

Neurorehabilitation/ Neurodisability at Shropshire Community Health NHS Trust

Departmental Information

Demographics

The Shropshire Community Health NHS Trust provides Specialist Community Paediatric Services for a child population of approximately 111,000. Shropshire is the largest inland county and is predominantly rural with two main urban areas of Shrewsbury and Telford. The distribution of the population gives a wide mixture of social environments ranging from deprived urban to isolated rural communities.

The Shrewsbury & Telford Hospital NHS Trust (SaTH) manages two District General Hospitals, the Royal Shrewsbury Hospital (RSH) and the Princess Royal Hospital in Telford (PRH). This is now a teaching hospital linked to Keele University. A large purpose-built Women and Children's Unit at PRH (Telford) was completed in autumn of 2014 and comprises a single inpatient children's service along with neonatal unit and the consultant obstetric unit. Paediatric Assessment Unit and outpatient service continue at RSH.

Community Children's Services

The Children and Families Division brings together all the Community Children's Services, Therapy, Medical, Nursing (Special School and Paediatric Community), two specialist Child Development centres, Health Improvement Services and Dental. There are close working arrangements with Social Care, Education, and voluntary bodies.

Team

Medical staff : Consultants - Dr Diane Short (Neurodisability), Dr M Ganesh (Neurodisability, audiology and safeguarding), Dr Shachi Buch (Paediatric Palliative Care), Dr Angela Hulme (SEN and medical education), Dr Indu Mahabeer (LAC, Fostering and Adoption), Dr Helen Unsworth (ASD lead), Dr Saran Shashwat (Safeguarding)

Child and Adolescent Mental Health Services-Learning Difficulty Team (CAMHS-LD Team)

CAMHS-LD and CAMHS have been under South Staffordshire and Shropshire Foundation Trust (SSSFT) since 1st May 2017. Previously they were part of Shropshire Community NHS Trust. We have close working relationships with them due to co-location.

The CAMHS-LD team is multi-disciplinary team comprising Chartered Child Psychologists, Specialist Nurses, and Behaviour Specialist support and currently a, locum consultant psychiatrist.

Multidisciplinary team: physiotherapy, Occupational therapy, Speech and Language therapist, psychologist, Educational Psychologist, CAMHS LD, Learning Disability Social services, Play therapists.

Specialty Registrars : There are three specialty registrar posts. Supervisor: Dr Diane Short.

Clinical Training Responsibilities

This post will provide training in the outpatient management of patients with neurodisability and will provide excellent experience in the care of children with complex care needs. The trainee would also be responsible for reviewing the children with neuro-developmental concerns in the out-patients (2 clinics per week) and assessing their needs. These are complex children and often have multisystem involvement. The trainee will work closely with the multi disciplinary team in the child development centre and also gain experience in children with behaviour problems associated with neurodevelopment, linking with CAMHS LD team.

Regular Clinical/Multi Disciplinary Meetings:

Neurodevelopment Clinics- weekly. Multi disciplinary meetings in Child development centre - three weekly

On Call. The trainee will provide on call cover for children's services at the single inpatient children's service based at Princess Royal Hospital, Telford.

The Timetable in Paediatric Neurodisability is as below:

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>Am</u>	Neurodevelopment Clinic	Neurodevelopmental clinics (Dr Short)	Severndale Special School Clinic	CDC Assessments	CDC Friday Morning
<u>Pm</u>	<u>Admin</u>	CDC assessments	Admin	MDT	Admin

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

The service participates in national audit and research initiatives which are strongly encouraged.

Further training opportunities

The service is supported by CAMHS and CAMHS LD team and will have opportunity to learn childhood mental Health problems.

Contact details for unit

For further information and to arrange to visit us please contact:

1. Dr Diane Short 01743 450800 diane.short@shropcom.nhs.uk
2. Dr Mahadeva Ganesh 01952 567308 m.ganesh@shropcom.nhs.uk.

Subspecialty:	Paediatric Neurodisability
Base Unit:	Birmingham Community Healthcare NHS Foundation Trust
Deaneries involved:	Health Education West Midlands

Outline of Programme

Neurodisability training within Birmingham Community Healthcare NHS Trust

Departmental Information

Birmingham has a population of 1 million of whom 25% are children. 75,000 are under 5 and 170,000 are aged 5 to 16 years. The City varies greatly with many areas having high 'deprivation' indices and others being more affluent, but 36% of children under 16 years live in poverty. Overall childhood mortality and morbidity indices are high. There are approximately 1,000 children with Child Protection Plans and approximately 2000 Looked After Children. Birmingham has a diverse demography with a third of the population and 60% of the school age population being from black and minority ethnic groups. Birmingham is therefore an interesting and challenging place to work.

Organisational Description

Birmingham Community Healthcare (BCHC) NHS Foundation Trust provides a wide range of high quality, accessible and responsive community and specialist healthcare services across the city of Birmingham and the wider West Midlands region.

Operating from around 400 sites across the city, BCHC offers more than 100 different healthcare services for adults and children, providing clinical diagnosis, treatment, advice and support on more than two million separate occasions in a typical 12-month period.

BCHC, which became an independent NHS Trust on 1st November 2010, brings together community health services across Birmingham alongside specialist services in neighbouring localities and the wider West Midlands Region in a collective mission to deliver high quality accessible and responsive healthcare that meets the particular needs of the communities we serve with the flexibility to offer personalised care for each individual.

BCHC is the biggest community healthcare services provider in England, with a turnover of approximately £260 million and more than 5,000 employees.

Our strategic aim is a commitment:

'To provide high quality, fair, accessible and clinically effective services, meeting the needs of the communities served'.

Children and Families Division

The Children and Families Division brings together all Universal and Specialist community services for children in Birmingham and offers a co-ordinated approach for child health care. We work closely with all the paediatric services in Birmingham including Birmingham Children's Hospital, City Hospital (Sandwell and West Birmingham NHS Trust), Heartlands Hospital and Good Hope Hospital (both run by the Heart of England Foundation NHS Trust). We have good links with the Clinical Commissioning Groups, the Local Authority and voluntary agencies providing care for children and are represented on the Health and Wellbeing Board.

Our aim is to provide excellent services for all children in Birmingham, focussed on the most vulnerable.

The range of services includes:

- Universal Services for Children, including HV and Mainstream School Nursing.
- Five Child Development Centres.
- Community Paediatric Physiotherapy, Speech and Language Therapy, Occupational Therapy, Audiology, Paediatric Eye Service and Dietetics.
- Community Children's Nursing (including specialist posts working with Education and Social Care), the School Health Service for Special Schools, Safeguarding Children Team and The Barbara Hart Children's Respite facility.
- Community Paediatrics including services for children with disabilities.
- A Palliative Care Service

All Community Paediatric staff have strong links with the General Paediatric service, thus providing an integrated service.

Team

18 Consultants:

Dr N McCathie (Clinical Director)	
Dr D Simkiss (Clinical Director/Associate Clinical Professor)	
Dr G Debelle (Designated Doctor Safeguarding/SUDI)	
Dr C Rodrick (Designated Doctor Safeguarding/SUDI)	
Dr J Armstrong (Designated Doctor Safeguarding/SUDI)	
Dr A Qureshi (Named Doctor)	Dr S Carter (College Tutor)
Dr O Byrne	Dr L Rabb (Bank)
Dr H Robertson	Dr M Raina (Lead Doctor)
Dr U Chidrawar (Bank)	Dr S Baidwan
Dr I Anand	Dr H Chaplin
Dr R Harrison	Dr I Al-Ansari
Dr L Kotillil	
Dr G Thurgood	Dr M Sirakova

Each Consultant is responsible for a locality as well as having some City-wide responsibilities and links with Primary Care Groups.

6 SAS Grade Doctors

These doctors are organised into five teams each serving a geographical sector of Birmingham and linking with one of the five child development centres.

Specialist Registrars

There are 10 community paediatric training posts within the trust - 1 x 6month post will be allocated for the neurodisability grid trainee.

Supervisor: Dr Neal McCathie

Clinical Training Responsibilities

This job description is for the training in Community Paediatrics / Neurodisability in Birmingham Community Healthcare NHS Trust under the supervision of Dr Neal McCathie forming part of the West Midlands Neurodisability Grid Training Programme.

Post

This 6 month post will provide the trainee with comprehensive training in neurodisability within the community setting leading to the acquisition of both generic and special interest competencies in neurodisability.

Neurodisability Training in the community:

Neurodisability clinics
 Special School clinics - including MLD / SLD / ASD schools
 Multidisciplinary team assessments - local Child Development Centres / Special Schools
 i.e. feeding clinic
 Audiology clinics / Specialty clinics for arranging aetiological investigations for children with hearing impairment
 Speciality clinics - Downs syndrome / neuromuscular / LAC / ADHD / clinical genetics / ASD (in development)
 Transition clinics for young people at special school
 Spasticity clinics - Botox injection training (tertiary level)
 Palliative Care Service
 Child physical and sexual abuse training

Training will be provided in general community paediatric issues including public health and child protection. There will be expectation and encouragement to take an active role in management i.e. service development / redesign as well as in educational meetings.

Trainees will be actively encouraged to participate in audit and research, including MSc.

On call

The trainee will be on the physical abuse rota (consultant supervised) which runs weekdays 9 - 5pm. They will also participate on the ChildSex Abuse rota (as 2nd on call - consultant led) and have opportunity to gain experience in SUDIC (Birmingham operates a 24/7 365 days a year consultant led SUDIC rota as part of the rapid response team).

Out of hours on call will be on a middle grade rota at Birmingham Heartlands Hospital in generalpaediatrics

Sample Timetable

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<u>am</u>	Neurodevelopmental Clinic	Spasticity Clinic / Specialty Clinic	Neurodevelopmental Clinic	Special School Clinic	Specialty Clinic
<u>pm</u>	CPD / Palliative Care Experience	Admin / MDT assessments	CP on call	Research / Audit	Admin

Contact details:

For further information and to arrange to visit us please contact:
 Dr Neal McCathie - 0121 465 5431 - neal.mccathie@bhamcommunity.nhs.uk

Yorkshire and Humber

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)
Leeds Community Healthcare Trust	Community Paediatrics with CAMHS	6	Arnab Seal Arnab.seal@nhs.net	C	Y
Bradford Community Hospitals NHS Trust Foundations	Community Paediatrics with CAMHS	12	Stella Yeung Stella.yeung@bthft.nhs.uk	C	Y
Leeds Teaching Hospital NHS Trust	Paediatrics Neurology	12	Raj Lodh Raj.lodh@nhs.net	C	Y
York Teaching Hospital NHS Foundation Trust	Community Paediatrics	6	Lorna.highet@york.nhs.uk	O	Y

Additional Information:

The rotation will include a minimum of 6 months in Leeds Community Healthcare with an optional 6 months in York or a further 6 months in Leeds Community Healthcare. See attached 'job description' sheet. Further information may be obtained from Arnab Seal who is the programme co-ordinator. Contact e-mail Arnab.seal@nhs.net

Subspecialty:	Community Paediatrics
Base Unit:	Leeds Community Healthcare Trust
Deaneries involved:	Yorkshire and Humber

BACKGROUND

Paediatric Neurodisability is recognised as a sub-speciality of Paediatrics.

Training within Yorkshire at Child Development Centres, Special Schools and with the Tertiary Paediatric Neuroscience Service based at the Leeds General Infirmary and with Child Psychiatry provides sufficient experience and training for Specialist Registrars to acquire key competencies in diagnosis, assessment and management of children and families with Neurodisability. The programme provides appropriate experience and training and will lead to acquisition of both generic and special interest competencies in Neurodisability including multidisciplinary team working, communication, transition planning and service development.

Each trainee will rotate through two or three Child Development and Neurodisability Services and the regional Tertiary Neuroscience Service.

The Child Development Services in Leeds and Bradford alone or with partner child development services are able to provide appropriate experience and training.

OUTLINE OF THE TRAINING SCHEME

The purpose of the scheme is to enable the trainee to practise as a Consultant Paediatrician providing clinical leadership in Neurodisability for local and secondary Paediatric Services.

The total duration of training is 3 years. Training placements include four placements totalling 24 months in a Child Development and Disability Service and twelve months within Paediatric Neurology.

The two periods i.e. 1 year should be in the same Child Development Service and the other year can be either in one service or two different services depending on the trainee's needs.

During the three year training period there will be sessional commitment to Child and Adolescent Psychiatry equivalent to three months full time to follow up children and families by the Neurodisability trainee provided by Child Psychiatrists. This is an essential component of the training program and would be available as sessions during the trainee's placement in Leeds. There may also be an opportunity to spend 6 months at Martin House Children's Hospice.

The trainee will fully participate in the on-call rota which will be usually specialty rotas (in Leeds) or neonatology rotas (in Bradford)

OPPORTUNITIES FOR OBSERVATION

There are opportunities to observe at a range of clinics e.g. :-

- i. Clinical Genetics
- ii. Feeding Disorders Clinic
- iii. Paediatric Ophthalmology
- iv. Paediatric Audiology/ENT

- v. Paediatrics Orthopaedics
- vi. High Risk newborn follow up clinics
- vii. Neurorehabilitation clinics
- vii. Spasticity Management Clinics (Botulinum clinics, ITB, SDR assessment)
- viii. Hand surgery assessment clinics
- ix. Wheelchair assessment clinics
- x. Augmentative and Assistive Communication assessment clinics
- xi. Palliative Care services

a) **Clinical Content**

During the two year rotation the trainee will gain competency in the assessment and management of the following clinical conditions:

- i. Normal and disordered development
- ii. Learning Disability (severe and moderate)
- iii. Autism
- iv. Communication disorders
- v. Specific Learning Disabilities
- vi. Neuro-psychiatric and Neuro-behavioural disorders e.g. ADD
- vii. Motor disorders e.g. Cerebral Palsy
- viii. Vision/Hearing Impairment and Sensory disorders
- ix. Epilepsy
- x. Acquired Brain and Spinal Injury
- xi. Progressive neurological disorder

b) **Core Competencies**

For the generic competencies to be acquired and developed during training and in addition to clinical assessment and management of the conditions noted above included:-

- Managing functional consequences and complications
- Focussing on improving functioning and participation based on ICF framework
- Investigations
- Sharing news/reviews
- Goal setting
- Education and SEN
- Social support (State provision and Voluntary sector)
- Supporting families
- Cross agency working
- Attending and participating in team meetings
- Team working
- Service development/evaluation
- Involving parents and children in Service Development and Quality Assurance
- Managing transitions
- Population strategies for disabled children
- Principles of audit and research
- National guidelines and Quality standards
- Teaching to medical and non-medical learners
- Report and letter writing
- Child Protection and Disability

c) **Participating Child Development/Neurodisability Services**

- Bradford Teaching Hospitals NHS Foundation Trust

- NHS Leeds Community Healthcare Trust
- Leeds Teaching Hospitals Trust for the Paediatric Neurology posts

EDUCATIONAL SUPERVISION

Trainees will have an educational supervisor in each post. Dr Arnab Seal will have overall educational supervision for this post

PROVISIONAL TIMETABLE (Leeds Community and Bradford Community). See LTHT job description for more information on 1 year placement in Paediatric Neurology (will vary with placement. Usually 3 clinics per week including special school clinic)

	<u>AM</u>	<u>PM</u>
MONDAY	Neurodisability follow-up	Liaison
TUESDAY	Neurodisability new patient	Team meeting
WEDNESDAY	Specialist clinic/ assessment (for education panel)	Team CAMHS
THURSDAY	School*	Flexible/CPD
FRIDAY		

* It is planned that the trainee will have attachments to 2 different special schools during the course of training.

Departmental Information

Leeds Neurodisability

The neurodisability teams are based in the city run by 7 experienced clinicians who work alongside therapy teams that all include specialist health visitors, physiotherapists, occupational therapists, speech and language therapists and both educational and clinical psychologists. The area leads are Dr Arnab Seal, Dr Pam Ghosh and Dr Dipti. Multidisciplinary assessments for a wide range of neurodevelopmental disorders and preschool aged children with autism are conducted at all centres with subsequent management of therapy programmes and liaison with education colleagues.

Within each wedge of the city there are regular clinics where children with neurodevelopmental problems are seen and in addition there are specific multidisciplinary clinics for Down Syndrome. Clinics are held in Special Schools. Each team has a weekly referral meetings, case discussion and child protection supervision. In addition there are regular meetings with colleagues from education.

There are joint clinics on a regular basis with neurology colleagues. There are close links with Education Leeds Early Years' Service and the voluntary sector.

There is easy access to investigations with all blood investigations with the exception of those needing to go on ice are completed within community clinics. It is easy to arrange those requiring rapid evaluation by asking children to attend Leeds General Infirmary. There is direct access for radiology including neuroimaging.

Safeguarding / child protection including colposcopy examinations for sexual abuse
There is a daily acute child protection clinic ran from St Georges Centre. Approximately 500 medical examinations are performed a year by a team of 10 Consultants and 1

associate specialist. There is weekly peer review session and monthly colposcopy meetings to ensure the work is of a high standard. There is excellent support available to the staff of the Leeds General Infirmary for children who need admission in order to complete more extensive investigations including skeletal survey, CT imaging and ophthalmology.

Community Paediatric Clinics

These are general paediatric clinics for children with more complex problems which are run alongside dietetic and nursing colleagues. Children seen have issues around growth, dietary intolerance along with more complex feeding issues including nasogastric and gastrostomy feeding. There is also support for children with issues around constipation, soiling and continence.

Looked after children and Adoption services

Leeds has around 1500 looked after children of which around 400 children proceed for adoption. The needs of the group of children are met by 2 consultants, Dr Alison Share and Dr Anna Gregory and 1 associate specialist Dr Melanie Epstein along with a dedicated nursing and administrative team. The psychology and emotional needs of the children who are being looked after are met by the therapeutic social care team. In addition the trainee would gain experience of performing pre adoption medicals and the preparation involved in attending adoption panel.

Springfield clinic

There is a dedicated clinic for children born to substance abusing mothers as these are recognised as being a high risk group for children entering the care system. This includes the management of withdrawal, blood borne virus screening as well as assessing development and general care of the child. This clinic is run by a member of consultant staff and is supported by a specialist health visitor.

Educational Paediatrics

Children with neurodisabling conditions who are already under the care of a consultant team have their educational liaison directly by that team, including statutory work. Children who are undergoing a statement of Special Educational Needs who are not known are seen in a separate clinic. Sheila Puri offers experience as an experienced Medical lead for Educational Paediatrics.

SUDIC

There is a dedicated SUDIC post which is supported by a team of 2 nursing staff.

Growth and Nutrition Team

We have a city wide growth and nutrition service for children for children who have feeding and growth difficulties without a physical cause. This includes children who have developed oral aversion and child with limited diets including children on the autistic spectrum.

CAMHS

Trainees would also be able to have dedicated session in CAMHs. Each of the three CAMHs teams have teams that assess and meet the needs of children with autism, ADHD and LD which includes support from learning disability nurses. The wedges of the city covered by CAMHs are largely co terminus with community paediatrics, education and social care.

Trainees would be able to attend sessions in attend sessions in Clinical Genetics, Ophthalmology, and Audiology. Additional subspecialist training in audiology could be offered by Dr Florence McDonagh and Dr Mary O'Sullivan.

There are ongoing teaching commitments within LCH which include a week of community experience in every 5 week block for undergraduates, with additional attendance at

community based clinics. Participation in the STEPP teaching programme for paediatric ST2 and running the Leeds Paediatric Masters Course.

Leeds has always offered training to paediatric ST2, with 2 trainees within the city, along with 2 cores and 2-3 trainees in ST 6-8. Leeds is approved post for training in paediatric neurodisability.

There is a programme of Continuous Professional Development in house. There are weekly peer review meetings for child protection. There are monthly Clinical Governance meetings in Paediatric Neurodisability, Child Protection and General Community Paediatrics. In addition, there is a joint CAMHS paediatric meeting. These meetings include the presentation of new guidelines, regular audits etc.

Current Staffing:

11 Consultants, including the Roles of Designated Doctor for Safeguarding, Named Doctor for Safeguarding and Designated Doctor for SUDIC

3 Associate Specialists

3 speciality doctors

Trainees

2 ST 2/3, 2 Core Trainees and 2-3 higher speciality trainees.

Bradford Neurodisability

The neurodisability team is based in St Luke's and is run by 5 experienced clinicians who work alongside therapy teams that all include specialist health visitors, physiotherapists, occupational therapists, speech and language therapists and both educational and clinical psychologists. The area leads are Dr Kate Wildig, Dr Stella Yeung and Dr Mark Wood. Multidisciplinary assessments for a wide range of neurodevelopmental disorders and preschool aged children with autism are conducted at all centres with subsequent management of therapy programmes and liaison with education colleagues.

Within each wedge of the city there are regular clinics where children with neurodevelopmental problems. Clinics are held in Special Schools.

There are joint clinics on a regular basis with genetic and neurology colleagues. There are close links with metabolic service which is run for West Yorkshire from Bradford.

Safeguarding / child protection including colposcopy examinations for sexual abuse

There is a dedicated child protection service ran from St Luke's Hospital. There is excellent support available to the staff of Bradford Royal Infirmary for children who need admission in order to complete more extensive investigations including skeletal survey, CT imaging and ophthalmology.

Looked after children and Adoption services

The needs of the group of children are met by the consultant team with dedicated consultants involved in the adoption process lead by Dr Kate Wildig. The trainee would gain experience of performing pre-adoption medicals and the preparation involved in attending adoption panel.

Educational Paediatrics

Children with neurodisabling conditions who are already under the care of a consultant team have their educational liaison directly by that team, including statutory work. Children who are undergoing a statement of Special Educational Needs who are not known are seen in a separate clinic. Sheila Puri offers experience as an experienced Medical lead for Educational Paediatrics.

SUDIC

There is a dedicated SUDIC post which is supported by a team of nursing staff.

There is ongoing commitment to professional development within Bradford Teaching Hospitals Trust which includes a weekly afternoon of teaching jointly for acute and community staff. Bradford is approved post for training in paediatric neurodisability.

Current Staffing:

7 Consultants, including the Roles of Designated Doctor for Safeguarding, Named Doctor for Safeguarding and Designated Doctor for SUDIC

West Yorkshire Services

Palliative care services are provided Leeds Children's Community Nursing team and continuing care team. They work in conjunction with Dr Michelle Hill and staff from Martin House Children's Hospice who have extensive outreach services to provide support for families at home, and also Dr Catriona McKeating from Forget me not Hospice.

The University Department of Paediatrics is housed within Leeds General Infirmary and the adjacent Worsley Building, which houses Leeds Medical School. Facilities include laboratories and teaching facilities including lecture theatre, library and seminar rooms. A simulation suite is based at St James Hospital. Leeds organises and runs a Masters in Child Health.

The trainee will be able to maintain their general paediatric and neonatal competences through on-going involvement with middle-grade acute paediatric rota at Leeds General Infirmary, Bradford Royal Infirmary.

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

The trainee will have opportunity to enable them to gain general competences: Teaching and Research, Leadership and Management, Ethics, Communication Skills. They will have the opportunity to undertake audit projects, write guidelines on specific conditions. They will get the opportunity to teach undergraduate medical students, other junior doctors and non-medical staff such as health visitors, teachers, and social workers.

Further training opportunities

Opportunities to develop special interest in Palliative care, Audiology and Safeguarding.

Contact details for unit

Dr Arnab Seal
Consultant Paediatrician
Arnab.seal@nhs.net