

THE WALTON CENTRE NHS FOUNDATION TRUST

CONSULTANT NEUROLOGIST

Job Description

The Walton Centre NHS Foundation Trust (WCFT) wishes to appoint a Consultant Neurologist. The successful applicant will join the existing team at the Walton Centre; the only dedicated neurosciences centre in the UK and one of only a handful of NHS Trusts rated as 'Outstanding' by the CQC.

We are clinical leaders in a number of fields and have been a 'vanguard site' for the national program of delivering neurology services across a region. Our trauma network is held up as an exemplar for the rest of the country, we have won awards for our rehabilitation network and have been named as one of the best places in the NHS to work by the Health Service Journal. We have expanded our already excellent modern facilities to provide two additional new operating theatres and an intraoperative MRI scanner.

We run satellite clinics across Cheshire and Merseyside, North Wales and the Isle of Man. Like most Consultant Neurologists at WCFT, the postholder would work sessions in the main Centre in Liverpool and the other days at a linked community or hospital site in the region.

Applicants are required to hold Membership of the Royal College of Physicians or equivalent qualifications, to be fully registered with the General Medical Council and listed on the Specialist Register (or due to be registered within six months of the date of application).

The full details of the post follow and include:

1. General information about the area
2. General Information about the Walton Centre NHS Foundation Trust
3. Description of neurological services at WCFT
4. The job plan and the appointee's role
5. Person specification
6. General provision and summary of main conditions of service
7. Arrangements to visit the Trust

Section 1

Cheshire and Merseyside

The WCFT routine catchment area covers all of Cheshire, Merseyside, North Wales, Isle of Man and parts of Greater Manchester and Lancashire. We also attract referrals from all across the UK and some internationally.

We are unique as being the only dedicated neuroscience trust in the UK. The Trust is based in North Liverpool. The main hospital is on University Hospitals Aintree's campus and situated next to Aintree University Hospital. We share a 'link bridge' with Aintree which was put in to strengthen our collaborative working with them as part of the region's trauma centre. Merseyside is unusual in having 4 specialist trusts (including WCFT), a children's Trust, and 1 large acute trust.

Liverpool itself is a dynamic city. It has experienced a major revival over the past few years, having been made European City of Culture in 2008. The city enjoys two football stadiums, a wealth of restaurants, theatres, museums, art galleries, including the Tate and The Walker, and several places of interest, including architectural highlights such as the magnificent St George's Hall, It also boasts the M&S Bank Arena which attracts international bands and artists and the Convention Centre which hosts several major exhibitions and meetings. There is also The Philharmonic Hall where the nationally acclaimed Liverpool Philharmonic Orchestra plays. It is also served by excellent transport links. There is a station outside The Walton Centre with trains that take as little as 12 minutes to get to the city centre.

Each year around 75 million tourists visit Liverpool, attracted by the area's natural and man-made assets. The city has been the chosen location for several Hollywood films including Chariots of Fire, Captain America, and Harry Potter and the Deathly Hallows. There is also a mix of landscapes to enjoy including Crosby Beach, where Antony Gormley's iron men are based, Formby Beach and the picturesque Hilbre Island in Wirral.

Liverpool has a rich maritime history. The city's waterfront is home to the famous 'three graces' – names given to the Royal Liver Building, the Cunard Building and the former offices of the Mersey Docks and Harbour Board which overlook the refurbished Albert Dock - where visitors find a mix of boutique shops. In the city centre there is a wide range of well-known stores. There are both Anglican and Roman Catholic Cathedrals and facilities for worship for every other faith in the city. There are excellent schools for both sexes, including a variety of denominational schools for both in the private and state sectors.

There is also a very good mix of housing in pleasant areas near the city and in rural areas.

Two airports are within easy reach. Liverpool and Manchester International Airport are within half to three quarters of an hour's drive time. There are excellent train services and motorway links to all parts of the country, with easy access to the national parks, North Wales, the Peak District and the Lake District, as well as to both Lancashire and the North Wales coasts.

The Walton Centre NHS Foundation Trust

The Walton Centre (WCFT) is the only dedicated neuroscience trust in the UK, providing a high quality, integrated, multidisciplinary neurosciences service to Merseyside, North Wales, the Isle of Man and parts of Lancashire and Cheshire, covering a population of 3.5 million.

In July 1998 the Trust moved from an old site at the now demolished Walton Hospital to a new purpose built facility on the University Hospitals Aintree campus at Fazakerley on the northern edge of Liverpool. This building provided new facilities for all wards and departments.

The building was awarded the NHS estates prize for the Best Managed Capital Project in 1998. WCFT achieved foundation trust status in 2009. Since then a number of estates projects have modernised the building. In 2015, the Trust won two awards at the North West Construction Awards for Project Arizona which developed the new Chavasse Ward for neurology patients, provided a new staff room in theatre and expanded a refurbished Jefferson (day case) ward. In December of the same year The Princess Royal officially opened WCFT's £29m Sid Watkins Building, situated at the rear of the main hospital, which houses a large modernised Complex Rehabilitation Unit, another outpatient department, the Trust's Pain Management Programme and corporate offices.

Education, Teaching & Research at WCFT

The University of Liverpool Department of Neurological Science, headed by Professor Solomon, is now located within the Clinical Sciences Centre adjacent to the Walton Centre on the University Hospital Aintree campus. This represents a partnership between WCFT, Aintree Hospitals, the University of Liverpool, Edge Hill University College and the Pain Relief Foundation. The University Department has an active programme of research and teaching and is internationally known for its work on neurological infection and epilepsy. The WCFT and the University Department have also created a Neuroscience Research Centre (NRC) where members of the centre can undertake various clinical trials. The unit has a manager and team of nurses/secretaries to help in the participation of high quality trials, and is located in the Walton Centre. In addition the Pain Research Institute is able to provide research facilities for those with appropriate interests. Other University Departments and colleagues have shown themselves extremely willing to collaborate in joint programmes of research. Most members of the medical staff of the WCFT are actively involved in research and the successful candidate will be encouraged to make use of the many opportunities to develop their own research interest.

Undergraduate medical students from the University of Liverpool spend time in the Centre. Consultant and junior staff are involved in a series of seminars as well as bedside, clinical skills and out-patient clinical teaching.

The University Medical School and the Liverpool Medical Institution are within 20 minutes drive.

The WCFT has a very active programme of postgraduate education with a regular weekly series of clinical meetings, lectures, journal club and subspecialty meetings including neuromuscular disorders, epilepsy, movement disorders, functional neurology and neuropathology. Each month there is an audit meeting and a guest lecture. The Centre's library is situated in the Clinical Sciences Centre. The new Clinical Sciences building has created an IT resource centre which gives access to appropriate software and medical research material, etc.

In the Training and Development Department, there are on-line facilities in Medline, search etc. The education facilities include a Lecture Theatre with a capacity of 225, equipped with the latest audio visual aids, video conferencing facilities, an exhibition facility and seminar rooms. The professorial units based at WCFT and Aintree Hospitals have transferred into the Clinical Sciences Building,

Medical and nursing staff have free access to the online "*UptoDate*" website and mobile app.

Section 3

Neurological services in the Walton Centre NHS Foundation Trust

Neurologists at the Centre recognise the need to deliver a high standard of service to patients, general practitioners and hospital doctors throughout the area. We provide out-patient clinics, and ward consultations in each general hospital, and where possible take part in Grand Rounds and audit. Most patients are dealt with entirely in the district general hospitals but referral to specialist clinics in the Centre is encouraged where this will add to the quality of care. All in-patient care is provided in the Centre. Numbers of patients booked into clinics is variable, but may follow Association of British Neurology guidelines if desired. Current consultants and their special interests are:

Dr A Nicolson	Medical Director Epilepsy
Dr M Wilson	Divisional Clinical Director Multiple Sclerosis
Dr Anita Krishnan	Clinical Director Headache
Dr C Burness	Clinical Lead for Epilepsy Functional disorders
Professor T Marson	Epilepsy
Dr U Wiesmann	Epilepsy
Dr D Smith	Epilepsy
Dr B Aji	Epilepsy
Dr A Agrawal	Epilepsy
Dr P Auce	Epilepsy
Dr B Ziso	Epilepsy
Dr N Mirza	Epilepsy
Dr M Bracewell	Epilepsy
Dr A Sekhar	Cerebrovascular Disease/epilepsy
Dr P Enevoldson	Cerebrovascular Disease
Dr Abhijit Das (Locum)	Cerebrovascular Disease
Dr J Holt	Clinical Lead for Neuromuscular disease
Dr C Dougan	Neuromuscular Disease / transitional care
Dr P Ray (on leave)	Neuromuscular Disease/Neurophysiology
Dr S Sathasivam	Neuromuscular disease/Lead for MND
Prof T Solomon	Neuro-infection

Dr B Michael	Neuro infection
Dr S Alusi	Clinical Lead/Movement disorders
Dr M Steiger	Movement disorders
Dr P Moore	Movement disorders/Botulinum toxin
Dr J Panicker	Movement disorders
Dr D Damodaran	Movement disorders
Dr A Macerollo	Movement disorder
Dr M Bonello	Movt disorder/ Genetics
Dr I Pomeroy	Clinical Lead for Multiple sclerosis
Prof C Young	Multiple sclerosis & MND
Dr W Pietkiewicz	Multiple sclerosis
Dr L Elson	Multiple sclerosis
Dr R Mills	Multiple sclerosis
Dr S Huda	NMO/Neuroimmunology/MS
Dr A Jacob (on sabbatical)	NMO/ Neuroimmunology/MS
Dr R Davies	
Dr A Larner	Cognitive Function/Dementia Cognitive Function/Dementia
Dr M Ghadiri-Sani	Clinical Lead for Headache
Dr N Silver	Headache
Dr L Fratalla	Headache
Dr M Ghadiri-Sani	Headache
Dr G Bavikatte	Clinical Lead for Neurorehabilitation
Dr S Mahendran	Neurorehabilitation
Dr H Banks	Neurorehabilitation
Dr H Osman	Neurorehabilitation
Dr C Pinder	Neurorehabilitation
Dr K Latt	Neurorehabilitation and Prosthetics

The majority of these consultants provide a general neurological out-patient and consultation service at one or two district hospitals, in addition to their clinics in the Centre. There are 40 rehabilitation beds and 20 beds for Neurology (most of which are on Chavasse ward which opened in 2013) with access to day beds within the Centre for some investigative procedures, and a dedicated Neuro-Intensive Care Unit. There are 19 neurosurgeons, 11 Neuroradiologists, 5 Neurophysiologists, 2 Neuropathologists, 4 pain relief consultants, a team of 17 Neuroanaesthetists, 2 Neuropsychiatrists and 6 Neuropsychologists. Juniors in the Centre comprise 13 F2/CMT doctors, shared with neurosurgery. F2/CMT staff provides the "first on call" role, and their neurology work is supervised by 9 neurology StRs. The new consultants will be supported by at least one registrar and one other junior. A "Surgical & Medical Acute Response Team (SMART) has been implemented to provide acute care for

inpatients that require this. Nurse specialists support most of our subspecialty services, and Integrated Neurology Nurse specialists (INNS) provide general neurology support to patients including community based clinics and home visits.

Section 4

Job Plan

There is some flexibility in the job plan, which may be negotiated between the successful candidate and the Trust. The sessional commitment will be 7.5 – 8.5 clinical PAs and 1.5 - 2.5 supporting PAs. Two days a week may be at satellite location (linked hospital or community clinic) and three days in Liverpool at WCFT

There will be an expected commitment to 4 clinics each week. There will be opportunities to develop specialist clinics at WCFT or a satellite hospital, depending on the successful applicant's preference and negotiation, in accordance with the service needs of the Trust.

The trust has recently expanded its neurology outpatient service at WCFT with additional clinic rooms, nursing and radiology support to develop an additional and more streamlined service.

An illustrative job plan (which can be adapted if agreed) would be:

	AM		PM	
		PAs		PAs
Mon	Clinic WCFT	1	Administration WCFT Wards	0.5 0.5
Tue				
Wed				
Thu				
Fri	Speciality Clinic WCFT	1	Administration	0.5

The majority of Walton Centre Consultants have additional SPA and/or DCC sessions in their job plans (by agreement), so the sessional commitment will therefore be 7.5 – 8.5 clinical PAs and 1.5 – 2.5 supporting PAs.

Numbers of patients booked into clinics is variable, but may follow Association of British Neurology guidelines if desired (as a minimum). A minimum of 5 new patients is expected in a general clinic containing follow up cases.

The appointed consultant may have the opportunity to participate in the consultant on-call rota at WCFT (approximately 1 in 20 weeks) where he/she will be supported by the on-call F2/CMT and SpR. When on-call for the week, the duty neurologist is relieved of satellite DGH clinical work and

conducts a short round on the neurology ward every morning – as well as seeing any new emergency admissions. The on-call Neurologist also provides telephone and telemedicine support to GPs and linked hospitals.

The appointed consultant will be expected to:

- participate in medical audit, appraisal and mandatory training in the Centre.
- participate in Continuing Medical Education, including the “in house” CME on Wednesday mornings. The Trust supports the requirements for CME, as laid down by the Royal College of Physicians and is committed to providing time and financial support for these activities.
- undergo annual appraisal at WCFT.

The consultant appointed will be entitled to an equitable share in the junior staff and to use all the clinical facilities of the Centre, including beds and clinics. The use of beds is flexible but is continuously under review. Secretarial support and office space will be provided at WCFT, along with IT facilities, internet access and IT training, if required.

Arrangements can be made for a named colleague to act as a mentor for each new consultant.

Section 5

Person Specification

	Essential	Desirable
MRCP or equivalent	*	
Current GMC registration	*	
On specialist register or due to be registered within 6 months of date of application (neurology)	*	
Appropriate previous neurological experience	*	
Special neurological clinical interest and expertise		*
MD or PhD research qualification, or equivalent		*
Good communication skills	*	
Appropriate number and quality of research publications		*
Full current driving licence/ability to travel when on call	*	

Section 6

General provisions and summary of main conditions of service

The appointment is subject to the Terms and Conditions of Service for Consultants (New Contract)

1. General Provisions

- (a) The appointee will be expected to work with local managers and professional colleagues in the efficient running of services, and will share with consultant colleagues in the medical contribution to management. Subject to the provision of the Terms and Conditions of Service, he/she is expected to observe the Trust's agreed policies and procedures drawn up in consultation with the profession on clinical matters, and to follow the standing orders and financial instructions of the Trust. The appointee will be expected to follow the local and national employment and personnel policies and procedures. He/she will be expected to make sure that there are adequate arrangements for hospital staff involved in the care of their patients, to be able to contact a Consultant Neurologist when necessary.
- (b) All medical staff are expected to comply with appropriate Health and Safety policies.
- (c) The appointee will have responsibility for the training and supervision of Junior Medical Staff who work with him/her and will devote time to this activity on a regular basis. If appropriate, he/she will be named in the contracts of doctors in training grade as the person responsible for overseeing their training, and as a main source of advice to such doctors on their careers.

2 Removal Expenses

- (a) Successful candidates will only be eligible for removal expenses where their existing permanent address is more than 30 miles and more than 1 hour's travelling time from their headquarters, and the new property should be no more than 15 miles radius and 30 minutes travelling time from the headquarters.
- (b) Successful candidates are advised not to enter the contractual arrangements for the removal of their home until such time as the formal approval of the Trust is received in writing.

Section 7

Arrangements to visit the Walton Centre NHS Foundation Trust

Applicants or prospective applicants are strongly encouraged to visit the Trust and to meet prospective colleagues. Informal discussions to discuss the job or arrangements for visiting may be made with:

Dr Anita Krishnan
Consultant Neurologist & Clinical Director
anita.krishnan@thewaltoncentre.nhs.uk
0151 556 3525 (secretary)

Dr Martin Wilson
Consultant Neurologist & Divisional Director of Neurology
martin.wilson@thewaltoncentre.nhs.uk
0151 556 3520 (secretary)

Dr Andrew Nicolson
Consultant Neurologist and Medical Director
andrew.nicolson@thewaltoncentre.nhs.uk
0151 556 3479

Travel and subsistence expenses can be reimbursed for such visits only to those candidates selected for interview. Reimbursement is restricted to two visits whether they are made before or after a decision is reached on a short-list. In the case of candidates travelling from abroad, travelling expenses are only payable in certain circumstances and then only from the point of entry into the United Kingdom.

SECTION 5 PERSON SPECIFICATION

Consultant Post in Clinical Neurophysiology

DESCRIPTION	MANDATORY	DESIRABLE
QUALIFICATIONS		
MB BS (or equivalent)	✓	
M.R.C.P. (or College recognised equivalent)	✓	
REGISTRATION		
Full General Medical Council Registration	✓	
EXPERIENCE		
CCST in Clinical Neurophysiology (or equivalent) or entry on the Specialist Register for Clinical Neurophysiology	✓	
Clear Experience of Clinical Neurophysiology particularly Adult EEG including management of complex cases.	✓	
Stereo EEG	✓	✓
Intraoperative Monitoring		
ABILITY		
Understanding of Clinical Neurophysiology principles and role of Clinical Neurophysiology in diagnosis and management of Neurological disorders	✓	
Practical and technical ability to undertake Neurophysiological studies and effective use of Neurophysiological testing equipment.	✓	
Ability to clearly document testing results, adhere to departmental / trust protocols for reporting and keep appropriate clinical records.	✓	
Ability to work as part of a team but show individual initiative when required.	✓	
Ability to travel to satellite clinic	✓	

Clear verbal and written communication skills.	✓	
MOTIVATION		
Motivation to develop Neurophysiology service and individual skills	✓	
Commitment to Unit and to Department	✓	
Punctuality and effective use of time.	✓	
Motivation and enthusiasm to undertake teaching and research activity.	✓	
PERSONALITY		
Ability to work with all sections of staff; fellow consultants, technical and administrative staff to engender positive and harmonious working conditions.	✓	
Ability to cope with stressful situations and undertake responsibility for resolving challenging situations	✓	
Ability to organise own timetable	✓	
AUDIT		
Understand principles of Clinical Audit	✓	
Commitment to undertake Audit of personal and departmental activity	✓	
Publication of Audit Results		✓
RESEARCH		
Understand principles of research, requirements of research governance and ethical responsibilities	✓	
Record of Research Publications		✓
TEACHING		
Enthusiasm to participate in Teaching to Physiologists, Junior Medical Staff (including SpRs) and undergraduates	✓	
Evidence of Teaching ability	✓	

The Walton Centre NHS Foundation Trust
Consultant in Neurophysiology/Consultant Neurologist

We would like to invite applications for this full time, substantive post of Consultant Neurophysiologist based in Liverpool, Merseyside, to join our existing team of 5 Consultant Neurophysiologists. Applicants must have significant expertise in relation to EEG and specifically invasive telemetry monitoring. Consideration will also be given to candidates who would prefer a dual post e.g. Neurologist with special interest in Neurophysiology and we would be happy to discuss this (and the associated job plan) further depending on the individual experience and qualifications. Candidates wanting to work flexibly would also be welcomed.

The Neurophysiology department is part of the Neurology directorate and offers a wide range of services and as part of the epilepsy surgery programme , long term EEG monitoring invasive/stereo EEG, 4 video telemetry beds and ambulatory video EEG including home monitoring. We routinely undertake nerve conduction studies/EMG including complex cases, Single-fibre EMG, Sleep studies (MSLT/Polysomnography) and evoked potentials. We also have an active intraoperative neurophysiological monitoring service offering monitoring for cortical, brainstem and spinal surgeries. The team currently comprises 5 Consultant Neurophysiologists, 1 Specialist Registrar, a Service Manager, 1 Band 8 (theatre monitoring lead) 4 Band 7s, 9 other Clinical Physiologists and 2 trainees, plus an admin team. We have an active programme of continued professional development for all staff. We work closely with other departments in the hospital and within the region and have regular epilepsy and neuromuscular MDTs.

In order to be considered for the position of Consultant Neurophysiologist is it essential for candidates to have clinical training & experience equivalent to that required for gaining UK CCT in Neurophysiology, be eligible for entry on the GMC Specialist Register or within 6 months of receipt of Certificate of Completion of Training (CCT) at time of interview, hold MBBS/MBCH and possess MRCP. For the Consultant Neurologist post, applicants will be required to have accreditation in Neurology and be eligible for entry onto the Specialist Register.

As the UK's only dedicated neuroscience centre, the Walton Centre provides one of the most comprehensive ranges of neuroscience services in the UK. We serve a population in excess of 3.5 million with a team of over 44 neurologists. We operate a neurology network model from the main hospital in North Liverpool, providing a range of satellite services in district general hospitals (DGHs) across Merseyside, Cheshire and North Wales. Our trauma and rehabilitation networks are held up as exemplars for the rest of the country, we have won awards for our network approach to rehabilitation and we have been named as one of the best places to work in the NHS by the Health Service Journal.

There is excellent professional support at Walton for new consultants and a new mentoring scheme is being developed to assist neurologists starting as consultants. Interests in research and education will be encouraged and supported.

Applicants or prospective applicants are strongly encouraged to visit the Trust and to meet prospective colleagues. Informal discussions to discuss the job or arrangements for visiting may be made with:

Dr Brython Hywel
Consultant Neurophysiologist
0151 556 3902 email brython.hywel@thewaltoncentre.nhs.uk

Caroline Finnegan,
Neurophysiology Service Manager
0151 556 3578 email caroline.finnegan@thewaltoncente.nhs.uk

Dr Anita Krishnan
Consultant Neurologist and Clinical Director of Neurology
0151 556 3525 email anita.krishnan@thewaltoncentre.nhs.uk

Dr Andrew Nicolson
Consultant Neurologist and Medical Director

0151 556 3479 (secretary) email andrew.nicolson@thewaltoncentre.nhs.uk

Closing date

THE WALTON CENTRE NHS FOUNDATION TRUST

Consultant Neurophysiologist

Job Description

1. The Walton Centre NHS Foundation Trust overview

The Walton Centre NHS Foundation Trust is an internationally renowned NHS hospital and the only specialist hospital trust in the UK dedicated to providing comprehensive neurology, neurosurgery, spinal and pain management services across a catchment area of 3.5 million. The Trust is situated on the University Hospitals Aintree campus at Fazakerley and attracts specialist clinicians from around the world for its award-winning services. It is one of only a handful of NHS Trusts rated as 'Outstanding' by the CQC.

The Walton Centre is well equipped and is fortunate in having all its wards, clinics, theatres and investigative facilities in a purpose built building. There is a full range of supporting therapy services. The Centre has five acute wards and a day ward. The fifth 20-bed ward (Lipton) was added in 2010 to manage increasing demand for neurology and neurosurgery patients

The neurosurgery department is one of the busiest in the UK, performing thousands of surgical procedures each year, and our neurology department operates a network of almost 50 satellite clinics at hospital and GP practice sites around the region. In addition, it is the region's specialist centre for spinal services, and houses the most comprehensive neuroradiology service in the country. The Trust also has a dedicated neuroscience research centre, conducting vital research and clinical trials, and a therapy service providing specialist support for patients with newly diagnosed and long term conditions.

In September 2015, The Walton Centre became an NHS Vanguard site which gives national support to further develop neurology and spinal services. The Walton Centre has also achieved Investors in People Gold accreditation, recognising commitment to the workforce. The Walton Centre Charity funds a variety of projects at the hospital which help improve patient care and services.

There are 41 Neurologists, 19 neurosurgeons, 11 Neuroradiologists, 4 Neurophysiologists, 2 Neuropathologists, 4 pain relief consultants, 6 Neurorehabilitation, a team of 17 Neuroanaesthetists, 2 Neuropsychiatrists and 6 Neuropsychologists. Juniors in the Centre comprise 13 F2/CMT doctors, shared with neurosurgery. F2/CMT staff provides the "first on call" role, and their neurology work is supervised by 9 neurology StRs. The majority of these consultants provide a general neurological out-patient and consultation service at one or two district hospitals, in addition to their clinics in the Centre. There are 40 rehabilitation beds and 20 beds for Neurology (most of which are on Chavasse ward which opened in 2013) with access to day beds within the Centre for some investigative procedures, and a dedicated Neuro-Intensive Care Unit.

2. Education, teaching and research at the Trust

The University of Liverpool Department of Neurological Science, headed by Professor Solomon, is now located within the Clinical Sciences Centre adjacent to the Walton Centre on the University Hospital Aintree campus. This represents a partnership between WCFT, Aintree Hospitals, the University of Liverpool, Edge Hill University College and the Pain Relief Foundation. The University Department has an active programme of research and teaching and is internationally known for its work on neurological infection and epilepsy. The WCFT and the University Department have also created a Neuroscience Research Centre (NRC) where members of the centre can undertake various clinical trials. The unit has a manager and team of nurses/secretaries to help in the participation of high quality trials, and is located in the Walton Centre. In addition the Pain Research Institute is able to provide research facilities for those with appropriate interests. Other University Departments and colleagues have shown themselves extremely willing to collaborate in joint programmes of research. Most members of the medical staff of the WCFT are actively involved in research and the successful candidate will be encouraged to make use of the many opportunities to develop their own research interest.

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Medical and nursing staff have free access to the online "Up-to-date" website.

3 Neurophysiology overview

The Trust is the focus for Neurophysiology services in Merseyside and the surrounding areas, referrals are received from around the region and a diverse range of neurophysiology investigations are performed within the main department at Walton. In addition, there is a satellite department at Royal Liverpool University Hospital, where routine EEG and EMG investigations can be performed (though currently only urgent inpatients are undertaken on that site due to major redevelopment of the hospital)

4 Staff

There are 5 Consultant Neurophysiologists providing 3.9 WTE, with a vacancy for a further full-time Consultant post. There is one specialist registrar trainee posts in Clinical Neurophysiology. There are close links with colleagues in the region and monthly regional CPD meetings.

The technical team at the Walton Centre consists of 15 WTE Clinical Physiologists skilled in undertaking a diverse range of investigations, including a Specialist Healthcare Scientist working autonomously in intraoperative theatre monitoring, two Health Care Assistant posts and a Service Manager. The department has strong links with both Manchester Metropolitan University and Manchester University, delivering the undergraduate and post graduate Physiologist training programmes and associated placements.

Administrative support and appointment booking is provided by a team located within the department. The department has a bespoke electronic system to generate clinical reports and an electronic referral system.

4. Facilities

The Walton Centre and the Royal Liverpool are equipped with networked Xltek Digital Video EEG systems, Dantec and Deymed EMG systems. These facilities provide a comprehensive EEG, NCS/EMG service, including specialist SFEMG and other quantitative EMG investigations. The Walton Centre department has an integrated Xltek digital video EEG system with four dedicated continuous Video Telemetry recording suites, to support the epilepsy surgery programme and stereo EEG; it's equipped with 64 and 128 channel video recording systems. There are six ambulatory recording systems plus 4 home video EEG systems to provide 1-4 day recordings (including Deymed system) All routine departmental studies are accompanied by video imaging and held on a central file server which allows review from any of the review stations within the department, including one in each consultant's room and this allows remote access off site too.

Visual, Auditory and Somatosensory Evoked potentials are provided at the Walton Centre department using the Deymed EP system. An XLTEK Protektor and Imomed system is used for Intra-operative monitoring

The Walton Centre department is a self-contained unit with its own reception area, and comprises 6 multipurpose clinic rooms, a long term monitoring review suite, consultant offices and separate accommodation for the admin team, physiologists and specialist registrars. The RLUH Hospital is currently undergoing major redevelopment and the Neurophysiology satellite department will move into the first phase of the new build and will be located within the main outpatients department.

The Walton Centre department has a particular interest in Video Telemetry EEG monitoring which is used both for diagnosis of epilepsy and to support the Epilepsy surgery programme. Quantitative SFEMG studies, Intra-operative monitoring for functional localisation in epilepsy surgery and movement disorder surgery are also areas of special interest.

The team has established an extensive Intraoperative Neurophysiological Monitoring Service that is led by a Trainee Consultant Clinical Scientist. The common intraoperative monitoring modalities that are undertaken include spinal, cortical and brainstem functional mapping and monitoring with a combination of motor evoked potentials and somatosensory evoked potentials.

5. Duties of the role and job plan

The full time position is a 10PA post and will include direct clinical activity associated with EEG (including invasive telemetry). In the event that the successful candidate wishes to undertake EMG as well up to four sessions can be accommodated depending on the fulfilment of the EEG commitment. There is some flexibility in the job plan, which may be negotiated between the successful candidate and the Trust Requests for flexible working will also be considered. The principal responsibility of this post is to provide support for the Neurophysiology services at the Walton Centre, there is a at the satellite department at Royal Liverpool University Hospital but currently the service is only providing on site cover for critically ill patients who cannot be transferred across to our main site. . The satellite service is supported by clinical physiologists and a health care assistant, it is managed and organised as part of the Walton Centre Department. The work allocation at the satellite clinic will be reviewed regularly in line with changes in demand for tests and may change over time. The review will be with the Service Manager and the Clinical Director.

If EMG sessions are to be undertaken, the EMG/NCS sessions (4 hours) would usually accommodate 5 x 45 minute appointments, including one inpatient. However, they are sometimes arranged to supervise a parallel physiologist NCS/Carpal Tunnel Clinic or Specialist registrar clinic, and would then typically have 4 x 45 minute appointments). The case mixes are varied ranging from focal and generalised peripheral neuropathies to complex lower motor neurone syndromes. Single fibre EMG examination and more complex EMG studies will be given 2 slots to accommodate the long and complex study. All clinics are supported by an HCA responsible for patient reception/preparation and general clinic support. This should allow a workload of 850-950 EMG/NCS and 300 - 350 CTS studies in a year.

1.5 SPAs will be awarded by right and be taken up with administration, teaching, research, audit and Continuing Medical Education and supervision / appraisal. Further SPAs will be granted as part of job plan reviews dependent upon other non-clinical duties, as per local policy. A sample timetable is set out below.

Teaching and supervision of the specialist registrars is an important part of the consultant role and specialist registrars are often attached to the consultant clinics. In these circumstances some patient studies may be allocated to the specialist registrars with appropriate adjustments to number of patients in the consultant clinic, for example the number will be reduced from 5 to 4.

Reporting sessions for EEGs will include standard outpatient EEGs, Ambulatory and Video Telemetry studies. Sufficient session time will be allowed for checking and approving reports, though in practical terms checking and approving will take place whenever opportunities arise. Responsibility for supervising the in-patient Video Telemetry is arranged on a rota basis. Some reporting sessions may also include evoked responses, mainly VER studies but also occasionally SSEPs and BSAERs. All EEG reporting is centralised at the WCFT but when required some urgent EEG reports may be required to be undertaken at surrounding District General Hospitals These are all adult EEG's and there are no paediatric EEGs. Inpatient EEGs are expected to be reported on the same day by whichever consultants are available within the department at that time.

Complex intraoperative monitoring such as functional (motor, sensory and visual) cortex mapping, electro-corticography, microelectrode recordings for deep brain stimulation and spinal monitoring is mostly undertaken by a Trainee Consultant Clinical Scientist, but some experience of intraoperative monitoring would be desirable

There is an informal rota, via home remote access, to review weekend telemetry cases and liaise with Clinical Physiologist on site. (Rate of pay is an enhanced rate of 1.33 per hour or time in lieu)..

6. Current activity (2018/19) pre- pandemic

1. EEG	1200
2. EP	42
3. Ambulatory studies	95
4. Video-EEG telemetry Studies	102 (inc SEEG)
5. EMG/NCS:	3257
6. Intra-operative monitoring	172

7. Education, research and training

The University of Liverpool department of Neurological Science is located within the Clinical Sciences Centre adjacent to the Walton Centre on the University Hospital Aintree campus. The University Department has three professors of Neurology and an active programme of research and teaching and is internationally known for its work on Epilepsy, and recently this has extended to neurological infections. The University department recently acquired transcranial magnetic stimulation for pain research. Other University Departments and colleagues have shown themselves extremely willing to collaborate in joint programmes of research.

The Walton Centre encourages consultants to participate in research and facilities in both the centre and the University Of Liverpool Department Of Neurosciences are available to support research.

8. Audit and Clinical Governance

Audit and Continuing Medical Education are important parts of the Clinical Neurophysiologist post. The trust supports the requirements for Continuing Medical Education as laid down by the Royal College of Physicians and is committed to providing time and support for these activities. The department has developed an active audit programme and it is expected that the post holder will participate in the intra-departmental assessments of practice (EEG Reporting, EMG studies etc.) and also undertake specific audits into their own practice. It is a requirement of all consultants that they undergo an annual appraisal and attend mandatory training.

9. Teaching

In addition to the commitment to teach and supervise the specialist registrars, it is expected that the post holder will also participate in teaching the student physiologists and qualified physiologists

within the department and nurses from other units. There is also a teaching programme for junior medical staff within the Walton Centre and for medical students who attend the Walton Centre as part of their core curriculum. It is expected that the post holder will contribute to the teaching of these groups and any other medical and clinical/nursing staff within the unit or at the satellite hospitals as required, especially foundation year doctors in training.

10. Continued professional development

Consultants are expected to maintain their personal portfolios in accordance with the requirements of the Royal College of Physicians, including the acquisition of the appropriate CPD points.

11. Arrangements for leave

Study and annual leave are arranged in consultation with the Clinical Lead, Service Manager, Divisional Clinical Director and conforms to the WCFT policies for Consultant Leave in operation at the time of leave requests. It is expected that only in exceptional circumstances would simultaneous leave be granted to three or more Consultant Neurophysiologists and a minimum of 6 weeks' notice for leave is usually required.

12. General provisions and summary of main conditions of service

The appointment is subject to the Terms and Conditions of Service for Consultants (New Contract 2002)

General Provisions

- (a) The appointee will be expected to work with local managers and professional colleagues in the efficient running of services, and will share with consultant colleagues in the medical contribution to management. Subject to the provision of the Terms and Conditions of Service, he/she is expected to observe the Trust's agreed policies and procedures drawn up in consultation with the profession on clinical matters, and to follow the standing orders and financial instructions of the Trust. The appointee will be expected to follow the local and national employment and personnel policies and procedures. He/she will be expected to make sure that there are adequate arrangements for hospital staff involved in the care of their patients, to be able to contact a Consultant Neurophysiologist when necessary.
- (b) All medical staff are expected to comply with appropriate Health and Safety policies.
- (c) The appointee will have responsibility for the training and supervision of Junior Medical Staff who work with him/her and will devote time to this activity on a regular basis. If appropriate, he/she will be named in the contracts of doctors in training grade as the person responsible for overseeing their training, and as a main source of advice to such doctors on their careers.

Removal Expenses

- (a) Successful candidates will only be eligible for removal expenses where their existing permanent address is more than 30 miles and more than 1 hour's travelling time from their headquarters, and the new property should be no more than 15 miles radius and 30 minutes travelling time from the headquarters.

(b) Successful candidates are advised not to enter the contractual arrangements for the removal of their home until such time as the formal approval of the Trust is received in writing.

Informal discussions are welcome. Please contact:

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