Neurology Curriculum 2010 (with 2013 amendments) item	*Review Article*	*Case Report*	*Title*
1. General and Professional Content			
1.1 History Taking			
Understand the differences between open and closed questioning. Communicate this verbally or in writing and in summary form. Be aware of the possible influence of, and sensitively include questions about, socio-economic status, household poverty, employment status and social capital in taking a medical history. Appropriate use of an interpreter for patients & families when English is not their first language. Be aware of one's own behaviour and how it might impact on patients' health issues.	Allen 2013		How I start a new patient consultation
1.2 Neurological Examination			
A thorough working knowledge of neuroanatomy. Able to undertake an appropriate, focussed and comprehensive examination of mental and physical state and communicate this verbally or in writing and in summary form.	Stone 2001		Hoover's Sign
	Rossor 2001		Snouting, Pouting and Rooting
	Van Gijn 2002		The Babinski Sign
	Sandercock 2002		The Carotid Bruit
	Pinto 2003		A Short History of the Reflex Hammer
	Harvey 2004		Harvey's 1 and 2
	Hilton-Jones 2004		Beevor's Sign
	Josephs 2004		The Alien Limb
	Lueck 2005		Nystagmus
	Turner 2006		Visually-evoked rooting, a fascinating primitive reflex
	Kennard 2007		Examine eye movements
	Anderson 2010		The forearm and finger rolling tests
	Apok 2011		Dermatomes and dogma
	Gates 2011		Work out where the problem is in the brainstem using 'the rule of 4'
	Warburton 2011		Dermatological clues to neurological diagnoses

	Stark 2013		Clinical testing of visual fields using a laser pointer and a wall
	van Ballegoij 2015		The menace reflex
		Evans 2016	Putting pontine anatomy into clinical practice: the 16 syndrome
	Kiernan 2016		The Babinski sign
	Schott 2016		The palmomental reflex: stop scratching around!
	Turner 2016		Romberg's test no longer stands up
	Ellul 2017		Aterixis
	Fuller 2017		End the cult of cotton wool
Use of chaperone where appropriate, respect for patient's personal dignity. Adopt assessments and interventions that are inclusive, respectful of diversity and patient-centred.			
1.3 Communication Skills			
Use of a Dictaphone, discharge summaries, legibility of case notes. Ability to negotiate with patients, relatives and fellow healthcare professionals. Consideration and time shown to those with visual and auditory impairments. Communicate effectively with patients from diverse backgrounds and those with special communication needs, such as the need for interpreters, etc.			
Able to communicate effectively with the patient, their family and carers and other staff in relation to the individual needs of the patient and with appropriate regard for confidentiality. Individual cultural, religious & educational parameters must be taken into consideration.	Fuller 2003		Metaphors and Analogies In Neurology: From Kerplunk to Dripping Taps
Able to give a prognosis, to explain the patient's condition, to break bad news, to obtain full and informed consent for investigations and treatment. Able to inform concerning patient support groups and relevant charities.	Coebergh 2014		'Undiagnosing' neurological disease: how to do it, and when not to
Able to summarise clinical case in a coherent manner to clinical colleagues.	Davenport 2011		Write a clinical letter
1.4 Differential Diagnosis, Investigation and Initial Management			

Understanding of the roles and usefulness of investigations including neuroimaging and neurophysiology.		
Able to formulate an appropriately ordered differential diagnosis based on an appreciation of the patient, their past history and current problems and their likely causes.	Ward 2008	Better questions, less uneasy answers
Consideration given for different racial, social & ethnic groups.		
Adopt assessments and interventions that are inclusive, respectful of diversity and patient-centred.	Johnston 2004	Neurological Disease at 30 000 Feet –What is an Acceptable Risk for your Pilot?
	Seal 2014	Using an Option Grid in shared decision making
Able to plan and order appropriate observations, liaise with members of the MDT, determine and prescribe immediate treatment, seek appropriate opinions and interventions and with others, develop an overall plan for the individual patient.	Dani 2013	Rare neurological diseases: a practical approach to management
Demonstrate leadership skills including mentorship of junior medical colleagues.		
1.5 Personal qualities		
Identify own strengths, limitations and the impact of their behaviour and is able to change their behaviour in light of feedback and reflection		
Demonstrates different methods of obtaining feedback.		
Awareness of the trainee's own values and principles and how these may differ from those of other individuals and groups.		
The importance of best practice transparency and consistency.		
Maintain and routinely practice critical self awareness, including being able to discuss strengths and weaknesses with supervisor and recognising external influences and changing behaviour accordingly.		
Use assessment, appraisal, complaints and other feedback to discuss and develop an understanding of own development needs.		
Identify own strengths and weaknesses.		
Organise and manage workload effectively and flexibly.		
Recognising and showing respect for diversity and differences in others.		

Shows commitment to continuing professional development which involves seeking training and self development opportunities, learning from colleagues and accepting criticism.

1.6 Working with others

Adopt a team approach, acknowledging and appreciating efforts, contributions and compromises. Continue to recognise the common purpose of the team and respect their decisions

Knowledge of the roles and importance of different members of the MDT.

Enable individuals, groups and agencies to implement plans and make decisions.

Assessment and appraisal of more junior clinical colleagues or students.

Build and maintain relationships by listening, supporting others, gaining trust and showing understanding.

Shown willingness to act as a leader, mentor, educator and role model.

Showing recognition of a team approach, respecting colleagues, including non-medical professionals.

Respect diversity of status and values in patients and colleagues.

Morrish 2009		It's all in the history (a continuing story)
Allen 2012		Teaching clinical neurology
Wiles 2013		Introducing neurological examination for medical undergraduates—how I do it
	Russell 2013	The 'Attack of the Demyelinator'
Mumford 2013		When worlds collide: the uncomfortable romance between law and neurology
Perry 2013		When worlds collide: comments from a barrister
Norris 2015		Should medicolegal medicine be part of the medical school curriculum?

1.7 Managing Services

Support team members to develop their roles and responsibilities and continue to review performance of the team members to ensure that planned service outcomes are met

Demonstrate knowledge of relevant legislation and HR policies.

Show knowledge of the duties, rights and responsibilities of an employer and co-worker.

Mumford 2010		The dark side: a year as clinical director (or 'medical management without coronary spasm…')

Demonstrates knowledge of individual performance review. Understand the roles, competences and capabilities of other professionals and support workers. Understand the role of audit (improving patient care and services, risk management etc). Understand the steps involved in completing the audit cycle. Continue to contribute towards staff development and training, including mentoring, supervision and appraisal. Able to write a job description, including person specification and short listing criteria. Contribute to the development of an organisational response to emerging health policy. Commitment to good communication whilst also inspiring confidence and trust.		
Manage resources: know what resources are available and use influence to ensure that resources are used efficiently and safely. Manage people: providing direction, reviewing performance and motivating others. Manage performance: hold oneself and others accountable for service outcomes.	Greene 2009	Reflections on management
1.8 Improving Services		
Ensure patient safety at all times, continue to encourage innovation and facilitate transformation	Larner 2011	Teleneurology: an overview of current status
Demonstrate knowledge of risk management issues and risk management tools. Demonstrates understanding of how healthcare governance influences patient care.	Stone 2008	Morbidity and mortality meetings for neurologists
Demonstrates knowledge of a variety of methodologies for developing creative solutions to improving services.	Flower 2015	How to write a neurology newsletter
	Brizzi 2015	The value of a weekly newsletter in neurology
	Wardle 2016	How to set up a clinical database
Recall principles of risk assessment and management. Identify risk management guidance e.g. safe prescribing, sharps disposal, needlestick injury. Reports clinical incidents.		

Be able to assess and manage risk to patients.
Monitors the quality of equipment and safety of the environment relevant to the specialty.
Ensure the correct and safe use of medical equipment, ensuring faulty equipment is reported appropriately.
Questions existing practice in order to improve the services.
Seeks advice and or assistance whenever concerned about patient safety.
Supports colleagues to voice new ideas and is open minded to new thoughts.

1.9 Setting Direction

Is able to identify the contexts for change and is able to make decisions

The ability to discuss the local, national and UK health priorities and how they impact on the delivery of health care relevant to the specialty.

Is able to run committee meetings and work collegiately and collaboratively with a wide range of people outside the immediate clinical setting.
Willingness to articulate strategic ideas and use effective influencing skills.
Willingness to participate in decision making processes beyond the immediate clinical care setting.
Apply knowledge and evidence: gathering information to produce an evidence-based challenge to systems and processes in order to identify opportunities for service improvements.
Make decisions: integrating values with evidence to inform decisions.

1.10 Clinical Pharmacology of Neurological Disorders

Principles of neuro-pharmacokinetics and pharmacodynamics.
Understand principles of treatment especially vascular disease, migraine, epilepsy, pain, psychiatric disorders, movement disorders, multiple sclerosis, autoimmune disorders, infections, dementia, motor neuron disease.
Understand limitations: compliance, adverse effects, interactions, cost implications.

Vahdani 2016 Topiramate-induced acute glaucoma

Able to plan and administer pharmacological treatments safely and effectively.	Pritchard 2001	Intravenous Immunoglobulin – How to use it
Able to refer to local and national guidelines (NICE) and sources of evidence and information about treatments.	Chadwick 2009	NICE and neurology
Understand information needs of patients and others. Utilise reporting mechanisms for adverse events, both within an organisation and to national bodies.	Manford 2014	Using Option Grids: a referee's commentary
1.11 Presentation Skills, Audit and Quality Improvement		
An understanding of the importance and processes of audit. Understands the differences between audit and quality improvement Understands steps involved in completing a quality improvement project (which may include audit)	Carroll 2015	Auditing adult first seizure assessments
Ability to give a range of oral presentations with the use of appropriate audio-visual aids including *Powerpoint* presentations. Presentations may involve clinical cases, audits or research papers.	Fathers 2014	How to give a talk
Ability to instigate and collate an audit project.	Husain 2015	How to write a successful grant or fellowship application
Describes measurement for improvement	Weir 2004	Measuring and Improving the Quality of Care
Recognises and commits to the culture of continuous improvement in clinical practice to promote safe and high quality care		
Recognise how health systems can discriminate against patients from diverse backgrounds, and how to work to minimise this discrimination. For example, in respect of age, gender, race, culture, disability, spirituality, religion and sexuality		
1.12 Special Interest Groups: Women & Pregnancy		
Understand the effects of menarche, menstrual cycle and menopause on common neurological disorders. Knowledge of methods of contraception, failure rate and interaction with drugs (especially antiepileptic drugs); teratogenic risks of commonly prescribed drugs and genetic risks of neurological diseases; presymptomatic/prenatal diagnosis of neurological conditions; psychosexual dysfunction	Zanette 2014	Periodic thigh pain from radicular endometriosis

Understand the effect of pregnancy on existing neurological disorders and neurological disorders as complications of pregnancy.	Lim 2014	Postpartum headache: diagnostic considerations
	O'Neal 2016	Stroke in pregnancy: a case-oriented review
Knowledge of the neonatal complications in offspring of affected women with neurological conditions; effects of drugs on pregnancy (foetus and mother) and pregnancy on drugs.	Pearce 2014	Can I treat this pregnant patient with botulinum toxin?
Ability to evaluate, diagnose and manage women with neurological disease. Adherence to national guidelines (e.g. NICE guidelines for epilepsy, British National Formulary etc.	Jackson 2006	Epilepsy in women: a practical guide to management
1.13 Special Interest Groups: Teenagers		
Knowledge of neurological disorders presenting in adolescence.	Giles 2004	Adolescent Neurology
Knowledge of childhood neurological disorders presenting in early adulthood. Understand the special needs of teenagers, particular issues of confidentiality, and transition disorders.		
1.14 Special Interest Groups: Elderly		
Understand the normal clinical and radiological findings in the elderly; special presentations of neurological disease, diagnosis, investigation and management of dementia; effects of drugs in the elderly; hospital based & community services; communication with relatives and care agencies; role of COTE. Understand the specific issues of the Mental Capacity Act in relation to this patient group.	Voermans 2007	Why old people fall (and how to stop them)
1.15 Special Interest Groups: Learning Disabilities		
Understanding of the common causes of learning disabilities and the different presentation of symptoms in this group. Recognise the stigmatising effects of some illnesses and work to help in overcoming stigma.		
Understand the needs of patients with special educational needs with neurological disorders. Understand the specific issues of the Mental Capacity Act in relation to this patient group.	Bradley 2012	How to get the most from a consultation with a person who has a learning disability
1.16 Special Interest Groups: Terminally Ill		

Understand end of life issues in neurological disorders and the role of palliative care services and specialist nurses; ethical and legal aspects of terminal care.	Langley 2003		How Changing the Law can Improve Human Rights at the End of Life
	Kerrigan 2010		Advance planning in end-of-life care: legal and ethical considerations for neurologists
Neurology Curriculum 2010 (with 2013 amendments) item	***Review Article***	***Case Report***	***Title***
2. Major Topics within Neurology Curriculum			
2.1 Head Injury			
Knowledge of symptoms and signs of head injury and its complications; indications for investigations; indications for medical interventions, ITU referral, urgent and delayed neurosurgery.	Anderson 2006		Concussion and mild head injury
	van Dijk 2011		The bare essentials: Head injury
	Sharp 2015		Concussion is confusing us all
Ability to evaluate and manage people with acute head injury: perform immediate resuscitative measures; formulate a strategy for immediate and short term management; primary and secondary effects of head injury.	Kolias 2013		Traumatic brain injury in adults
Ability to evaluate and manage post traumatic change in consciousness, behaviour and cognition, and other post-traumatic symptoms (including epilepsy).		Smith 2012	Seizures after head injury
2.2 Headache			
Knowledge of the clinical features, differential diagnosis and specific pharmacological and general treatment of the causes of headache and facial pain.	Matharu 2001		Cluster Headache
	Goadsby 2002		Low CSF Volume (Pressure) Headache
	Gladstone 2004		Acute Migraine: Which Triptan?
	Davenport 2005		Sudden onset headache
	Evers 2005		Hypnic Headache
	Frese 2005		Primary headache syndromes associated with sexual activity
	Dodick 2007		Migraine prevention
	Weatherall 2007		Chronic daily headache
	Davenport 2008		THE BARE ESSENTIALS: Headache
		Mistry 2009	Thunderclap headache
	Larner 2009		Not all morning headaches are due to brain tumours

	Angus-Leppan 2013		Migraine: mimics, borderlands and chameleons
	Nicholl 2014		Subarachnoid haemorrhage: the canary in the mine, or the elephant in the room?
	Sinclair 2015		Headache management: pharmacological approaches
		Alim-Marvasti 2016	Trigeminal autonomic cephalgia caused by recurrent posterior scleritis
	Miller 2016		Neurostimulation in the treatment of primary headaches
		Nesbitt 2016	Migraine with brainstem aura presenting as recurrent hypersomnia (Kleine-Levin syndrome)
		Simpson 2016	Weightlifter's headache
An understanding of the role of relevant investigations: brain scanning, urgent blood tests, lumbar puncture.			
2.3 Disorders of Consciousness			
Knowledge of anatomy and physiology of consciousness, and the pathophysiology of disorders of consciousness; definitions, causes, pathophysiology, clinical features and prognosis of permanent vegetative state, locked in state and brainstem death.	Zeman 2002		The Persistent Vegetative State: Conscious of Nothing?
	Wijdicks 2010		The Bare Essentials: Coma
	Howard 2011		Hypoxic-ischaemic brain injury
	Wijdicks 2012		Four eponyms in coma
An understanding of the legal issues relating to disorders of consciousness.	Howe 2006		The persistent vegetative state, treatment withdrawal, and the Hillsborough disaster: Airedale NHS Trust v Bland
	Wade 2014		Patients with prolonged disorders of consciousness: more than a clinical challenge
Use of tests for brainstem death. Development of interpersonal skills for relating to management of the family of people with disorders of consciousness.	Cameron 2016		Confirmation of brainstem death
2.4 Disorders of Sleep			

Knowledge of narcolepsy, daytime hypersomnolence, parasomnias, obstructive sleep apnoea, effects of neurological conditions on sleep; indications, scope and limitations of the sleep laboratory; principles of physical and pharmacological treatment.	Douglas 2003		The Obstructive Sleep Apnoea/Hypopnoea Syndrome
	Berkovic 2002		Sleep Neurology - A Wakeup Call for Neurologists
	Reading 2007		Parasomnias: the spectrum of things that go bump in the night
	Lisk 2009		Kleine–Levin syndrome
	Reading 2010		The bare essentials: Sleep disorders in neurology
	Walker 2010		The dark night
	Leschziner 2014		Narcolepsy: a clinical review
	Derry 2014		Sleeping in fits and starts: a practical guide to distinguishing nocturnal epilepsy from sleep disorders
	Cheng 2017		Sleep apnoea and the neurologist
An understanding of the effects of sleep on the EEG. Knowledge of driving regulations and the consequences and complications of sleep disorders.			
2.5 Disorders of Higher Function & Behaviour			
An understanding of memory, language, visuospatial function & behaviour; definition and epidemiology of dementia; pathology and clinical features of individual dementias; investigations, treatments, genetic aspects, risks and costs of investigations; role of neuropsychological evaluation	Neary 2002		Sorting out the Dementias
Ability to evaluate and manage people with disordered higher function & behaviour.	Waldemar 2002		Reversible Dementias – do they Exist?
	Neary 2003		Sorting Out Subacute Encephalopathy
	de Leeuw 2003		Vascular Dementia
	Pujol 2003		Psychogenic Amnesia
		Merrison 2003	Cognitive Decline, Behavioural Disturbance and Motor Dysfunction in a Young Adult
	Lamont 2004		Cognitive Decline in a Young Adult with Pre-Existent Developmental Delay – What the Adult Neurologist Needs to Know

	Yapici 2004	Not Just a Child With Simple Learning Disability: Beware the Opercular Syndrome
Knibb 2005		Semantic Dementia: Losing the Meaning of Everything
	Gawler 2006	A “glioma” that was cured
Schott 2006		Limbic encephalitis: a clinician’s guide
Corey-Bloom 2006		Managing patients with Alzheimer’s disease
McKeith 2007		Dementia with Lewy bodies and Parkinson’s disease with dementia: where two worlds collide
Kester 2009		Dementia: THE BARE ESSENTIALS
	Rodrigues 2010	The groom who could not say “I do”
Carson 2010		Managing acute behavioural disturbance in a neurology ward
Mitchell 2010		Do CSF biomarkers help clinicians predict the progression of mild cognitive impairment to dementia?
Murray 2011		Creutzfeldt–Jacob disease mimics, or how to sort out the subacute encephalopathy patient
Ahmad 2011		Seronegative limbic encephalitis: case report, literature review and proposed treatment algorithm
	Dean 2012	End of the bed (end of the video) diagnosis
Lee 2012		Autoantibody testing in encephalopathies
Budson 2012		New diagnostic criteria for Alzheimer's disease and mild cognitive impairment for the practical neurologist
Schott 2012		Alzheimer's disease: mimics and chameleons
Irani 2013		Organic neuropsychiatry: a treatable cause of suicidal behaviour
Mortimer 2013		Neuroimaging in dementia: a practical guide
Wilkinson 2013		Neuroimaging in transient global amnesia

	Larner 2014		Neurological signs of possible diagnostic value in the cognitive disorders clinic
	Pennington 2015		Functional cognitive disorder: what is it and what to do about it?
	Beh 2015		Hiding in plain sight: a closer look at posterior cortical atrophy
	Slattery 2015		Phenotypical variation in Alzheimer's disease: insights from posterior cortical atrophy
	Cope 2015		The functional anatomy of central auditory processing
	Cassidy 2016		The clinical assessment of apraxia
	Li 2015		Spatial neglect
		Scott 2016	Clinicopathological case: rapid cognitive decline in an older man
	Devenney 2017		The Mini-Mental State Examination: pitfalls and limitations
Evaluation of competency (e.g. Mental Capacity Act, enduring power of attorney).			
2.6 Epilepsy and Loss of Consciousness			
Knowledge of the differential diagnosis of paroxysmal and transient events	Smith 2008		THE BARE ESSENTIALS: Epilepsy
	Smith 2012		Epilepsy: mimics, borderland and chameleons
	Powell 2012		Acute symptomatic seizures
		Chowdhury 2015	Focal inhibitory seizures: a cause of recurrent transient weakness
Scope and limitations of investigations	Rees 2005		What to do With the Patient Who Has Had a Fit and the Scan Shows a 'Glioma'?
	Benbadis 2007		Misdiagnosis of epilepsy due to errors in EEG interpretation
	Leach 2008		Overuse of the EEG
	Marsh 2008		The humble electrocardiogram
	Jones 2015		Autonomic function testing: an important diagnostic test for patients with syncope
Use of anti-epileptic drugs	Leach 2001		New Antiepileptic Drugs Revolution or Marketing Spin?

	Jackson 2005		Choice of Antiepileptic Drug, Which One to Try First and What to Do if it Fails ...
	Schoeler 2016		Ketogenic dietary therapies in adults with epilepsy: a practical guide
	Sisodiya 2017		Temporary replacements for oral epilepsy treatments
	Bank 2017		What to do when patients with epilepsy cannot take their usual oral medications
Treatment of refractory seizures; serial seizures and status epilepticus	Kelso 2005		Status epilepticus
		Cosgrove 2013	Hemiatrophy and seizures: a case of adult-onset Rasmussen encephalitis
		Murray 2006	A young man with bilateral epilepsia intractable and partialis continua
	Jones 2014		A protocol for the inhospital emergency drug management of convulsive status epilepticus in adults
		Flower 2015	Status epilepticus caused by an unusual encephalopathy
Role of epilepsy surgery	Butler 2004		Epilepsy Surgery
Awareness of issues related to women and pregnancy, driving, vocation and sudden death; psychological and social consequences of epilepsy especially teenagers.	Craig 2009		Treating women with juvenile myoclonic epilepsy
	Thomas 2009		“Can I drive, doctor?” LEAN thinking may help us answer the question
	Zeman 2009		When a patient with epilepsy complains about poor memory
	Leach 2012		SUDEP discussions with patients and families
	Leach 2015		Death in pregnancy: a call for neurological action
	Mc lean 2017		Sudden unexpected death in epilepsy: measures to reduce risk
Knowledge and management of other causes of loss of consciousness including syncope, drop attacks and vaso-vagal episodes.		Chadwick 2010	Life and death diagnosis

	Smith 2011		Transient loss of consciousness (‘blackouts’) in adults and young people (NICE)
		Fox 2015	An unusual cause of seizures
	Davis 2015		Curious turns in the night-time
		Jones 2016	Clinical challenges in the diagnosis and management of postural tachycardia syndrome
Knowledge, recognition and management of non-epileptic seizures.	Plug 2009		Making the diagnosis in patients with blackouts: it’s all in the history
	Warren-Gash 2003		Déjà vu
Ability to evaluate and manage people with epilepsy.	McGonigal 2004		Frontal Lobe Epilepsy: Seizure Semiology and Presurgical Evaluation
	Fuller 2005		Silent Witnesses in the Diagnosis of Epilepsy
	Butler 2006		Transient epileptic amnesia
	Rogers 2008		“This house believes that only general practitioners with a specialist interest in epilepsy should be treating the condition”
	Leach 2009		When the antiepileptic drugs are not working
	Miller 2010		Reading epilepsy
	Nicolson 2010		When the first antiepileptic drug fails in a patient with juvenile myoclonic epilepsy
	Catarino 2010		A fitful night's sleep
	Brennan 2013		Bilateral neck of femur fractures secondary to seizure
		Herskovitz 2013	Periventricular heterotopias with incomplete agenesis of corpus callosum and prolonged focal seizures
	Likeman 2013		Imaging in epilepsy
	Malek 2015		The progressive myoclonic epilepsies
	Dixit 2016		When the face says it all: dysmorphology in identifying syndromic causes of epilepsy
	Galtrey 2016		Stress and epilepsy: fact or fiction, and what can we do about it?
	Smith 2016		Telephone review for people with epilepsy

		Braksick 2017	Steak and Stupor: seizures and E. coli O157 infection
Recognise that people can be denied employment opportunities unnecessarily through myths, stigma, dogma and insufficient advocacy and support; be aware of the role of doctors and other services in combating this inequality.	Prevett 2013		Epilepsy in sub-Saharan Africa
2.7 Cerebrovascular Disease			
Knowledge of the cerebral circulation and its determinants; pathophysiology of cerebral infarction, cerebral haemorrhage, subarachnoid haemorrhage, cerebral venous thrombosis and vascular dementia.	Fernandes 2013		Strokes: mimics and chameleons
	Fearnley 2002		Superficial Siderosis of the Central Nervous System
	Arnold 2005		Carotid and Vertebral Artery Dissection
	O'Sullivan 2008		Leukoaraiosis
	Cordonnier 2010		Brain microbleeds
	O'Sullivan 2011		South Wales Joint Neuroscience Meeting, Bridgend, 29 April 2010: a 66-year-old man who suddenly couldn't drive
	Datta 2015		Severe MRI-visible perivascular spaces due to cerebral amyloid angiopathy
Knowledge of the epidemiology, risk factors and their management;	Greaves 2002		Thrombophilia
		Bamford 2003	Bubbles, Bubbles Everywhere!
	Mas 2003		Patent Foramen Ovale and Stroke
	Razvi 2004		Cerebral Autosomal Dominant Arteriopathy With Subcortical Infarcts and Leukoencephalopathy (CADASIL)
		Hinze 2015	Longitudinally extensive spinal cord infarction in CADASIL
		Salman 2007	Stroke due to a cardiac myxoma
		Nieuwkamp 2010	Multiple intracerebral haematomas during normal intensity anticoagulation
		Jung 2010	Cerebral air embolism caused by a bronchogenic cyst
		Stokes 2011	Gesundheit! Sneezing, paraesthesiae and ataxia in a 35-year-old man

		Samarasekera 2012	Shot in the foot
		Norby 2016	Laying on the cause of stroke?
		Witherick 2016	Extracorporeal membrane oxygenation-related brain haemorrhages
features of stroke /TIA, ICH and venous thrombosis;		Hankey 2001	Rubeosis Iridis
	Ferro 2003		Cerebral Venous and Dural Sinus Thrombosis
	Cordonnier 2008		Stroke: THE BARE ESSENTIALS
	Hankey 2008		When the patient fails to respond to treatment: TIAs that go on, and on
		Abdulkarim 2011	Multiple retinal emboli in a case of acute stroke
	Emsley 2012		When stopping the antiplatelet drugs stopped the 'TIAs'
	Coates 2015		Cerebral amyloid angiopathy: amyloid spells and cortical superficial siderosis
		Booij 2012	Stroke mimicking conversion disorder: two young women who put our feet back on the ground
		Liolios 2013	Lessons from everyday practice: septic cavernous sinus thrombosis due to sphenoid sinusitis in a young patient following a road traffic accident
		Labiano-Fontcuberta 2013	Paraplegia after epidural anaesthesia
	Nadarajan 2014		Transient ischaemic attacks: mimics and chameleons
		Cruz 2014	Unilateral lingual paralysis after isolated unilateral infarction in the primary motor cortex
		Vale 2014	A tonsillomedullary stroke causing supranuclear lingual paresis
	Powell 2014		A chamber of secrets The neurology of the thalamus: lessons from acute stroke

	Wilson 2014		Spontaneous limb movements and posturing secondary to acute basilar artery occlusion: a potentially devastating seizure mimic
		Littleton 2015	Recurrent amaurosis fugax and hemichorea: limb-shaking TIA
		López-Blanco 2015	Sudden asymmetric bilateral ptosis as stroke onset
		McKenna 2016	Intracranial bleeding from collaterals following carotid artery occlusion
		Yap 2016	Auditory hallucination in basilar occlusion: I heard it was the basilar
		Kane 2016	Ischaemic stroke in a 21-year-old with hereditary haemorrhagic telangiectasia
		Lim 2016	Stroke-like migraine attack after cranial radiation therapy: the SMART syndrome
		Punter 2016	Transient focal leukoencephalopathy with cerebral oedema as a presentation of cerebral amyloid angiopathy
		Rutter-Locher 2016	Sneddon's syndrome: it is all in the ectoderm
		Jiad 2017	When the heart rules the head: ischaemic stroke and intracerebral haemorrhage complicating infective endocarditis
		Neo 2017	Collet-Sicard syndrome: a rare but important presentation of internal jugular vein thrombosis
investigation and management of acute stroke (including thrombolysis) and TIA as medical emergencies	Kay 2001		Anticoagulation for Acute Ischaemic Stroke?
	Hand 2001		CT for Acute Ischaemic Stroke
	Gubitz 2002		The NINDS trial of Thrombolysis in Acute Ischaemic Stroke
	Sprigg 2005		Management of Blood Pressure in Acute Stroke
	Norrving 2008		Lacunar infarcts: no black holes in the brain are benign
		Cohen 2011	Stroke thrombolysis in Mombasa—an outreach service

	Anderson 2015		Venous thromboembolic event prevention in acute stroke: update on evidence and recommendations
	Hofmeijer 2015		Antithrombotic treatment and intracerebral haemorrhage: between Scylla and Charybdis
The role of secondary prevention and surgical interventions	Sudlow 2002		Antiplatelet Drugs in the Secondary Prevention of Stroke
	armitage 2003		Cholesterol Lowering for the Prevention of Stroke
	Rothwell 2005		With What to Treat Which Patient with Recently Symptomatic Carotid Stenosis
	Warlow 2005		Carotid endarterectomy for asymptomatic carotid stenosis - firming up on the uncertaintly
	Brown 2008		Should carotid stenting replace carotid endarterectomy in routine clinical practice?
	Sudlow 2008		Preventing further vascular events after a stroke or transient ischaemic attack: an update on medical management
		Rafiq 2014	Cerebral hyperperfusion syndrome
	Werring 2015		Emergency stenting for acute symptomatic carotid stenosis: dissecting the evidence
	Korya 2015		Carotid artery dissection treated with stenting after anticoagulation failure
An understanding of the role and limitation of imaging (e.g. CTA, DWI); role of evaluation scales.	Renowden 2013		Normal vascular imaging
	Renowden 2014		Imaging in stroke and vascular disease—part 1: ischaemic stroke
	Renowden 2014		Review: Imaging of the cerebello-pontine angle
	Kenmuir 2014		Hyperdense middle cerebral artery sign
Cerebral aneurysm and AVM; interventional, surgical and radiotherapy treatment.	White 2004		Cerebral Malaria
	Sellar 2005		The Management of Ruptured Cerebral Aneurysms: Life After ISAT

	Al-Shahi 2005		The Prognosis and Treatment of Arteriovenous Malformations of the Brain
	Wilson 2008		Intracranial dural arterio-venous fistula
	Rinkel 2009		Prevention and treatment of medical and neurological complications in patients with aneurysmal subarachnoid haemorrhage
		Lim 2014	When a bruise is not just a bruise
		Maekawa 2014	Takotsubo cardiomyopathy following subarachnoid haemorrhage
		Khan 2015	Large basilar tip aneurysm causing anterior internuclear ophthalmoplegia
Multidisciplinary stroke care, organisation of stroke units, nutrition after stroke, rehabilitation techniques, community stroke care.	Benlidayi 2014		Hemiplegic shoulder pain: a common clinical consequence of stroke
Ability to evaluate and manage people with stroke disease	Hughes 2013		Chameleons, confusion, and the Clinical Historian
	Bousser 2003		In a Worsening Situation, Treatment can do More Good than Harm
Ability to assess suitability and safely administer intravenous thrombolysis for patients with acute ischaemic stroke			
2.8 Tumours of the NS, Neurological Complications of Systemic Cancer, Complications of Treatment of Cancer			
	Bradley 2013		Brain tumour mimics and chameleons
Neuropathological classification of brain tumours		Donaghy 2002	Shrinking Cerebral Lymphomas with Steroids can Cause Diagnostic Confusion
		Abbasi 2014	A mystery solved
		Hardy 2015	A longitudinally extensive myelopathy in a patient with AIDS
		Bittar 2015	Corticosteroid sensitivity in gliomatosis cerebri delays diagnosis
Clinical features of the common tumours of the nervous system including malignant meningitis.		Davenport 2001	Missed Convexity Meningioma
		Heckmann 2006	An “isodense” (on CT) meningioma
		Witherick 2016	Shrinking meningioma
		Connor 2007	Vanishing diplopia: a problem case
		Ahmed 2013	Rapidly progressive dementia and ataxia in an elderly man

		Schulz 2009	A difficult case solved at autopsy: memory loss, behavioural change and seizures
	Rees 2010		The bare essentials: Neuro-oncology
		Miller 2011	Recurrent subarachnoid haemorrhage
		Iqbal 2012	Multiple cranial neuropathies: one diagnostic difficulty
	Kerrigan 2012		Low-grade brain tumours and seizures
		Osborne 2014	Rapid-onset flaccid paraplegia caused by multiple myeloma dumbbell tumour
		Kaski 2014	Epley and beyond: an update on treating positional vertigo
		Louapre 2015	Primary diffuse leptomeningeal gliomatosis diagnosed on CSF cytology: perseverance pays off
Clinical features and immunology of paraneoplastic syndromes	Grant 2002		What the General Neurologist needs to know about the Paraneoplastic Syndromes
		Schulz 2007	Anti-Hu syndrome: a rare presentation and a very difficult decision
		Hirst 2007	Clear cell carcinoma of the kidney in a young man with neurological complications
	Gozzard 2010		Which antibody and which cancer in which paraneoplastic syndromes?
	Sahu 2011		The opsoclonus–myoclonus syndrome
	Nitkunan 2013		Midbrain encephalitis associated with neoplasia
		Archer 2014	Mesothelioma and anti-Ma paraneoplastic syndrome; heterogeneity in immunogenic tumours increases
		Garcia-Reitboeck 2014	Upbeat nystagmus in anti-Ma2 encephalitis
		Waddell 2014	Progressive cognitive decline and neuropathy in a sailor
		Cope 2016	Anti-collapsin response mediator protein 5 encephalitis masquerading as a low-grade brain tumour
		Cruz 2016	Alternating faciobrachial dystonic seizures in LGI1-antibody limbic encephalitis

Benefits and risks of therapies including surgery and radiotherapy		Wickremaratchi 2004	Three Strokes and a Heart Attack in a Fit and Relatively Young Woman
Neurological complications of chemotherapy and radiotherapy. Understanding the role of the neuro-oncology MDT. Ability to evaluate and manage people with primary tumours of the NS or effects of systemic tumours or their treatment.	Milburn-McNulty 2012		How to do it: How to get the most out of cerebrospinal fluid cytology
	Parker 2014		A misleading case of CSF cytology: a cautionary tale
2.9 Infections of Nervous System			
Principles of neurological infectious disease; clinical features of these diseases and their causes (including meningitis, encephalitis, TB, HIV, neurosyphilis).	Warrell 2001		Rabies Encephalitis and its Prophylaxis
		Shah 2004	… At Least in Scotland
	Thwaites 2002		The Diagnosis and Management of Tuberculous Meningitis
		Hayat 2015	Multifocal tuberculous osteomyelitis
	Thwaites 2002		Tetanus
		Doshi 2014	Just a graze? Cephalic tetanus presenting as a stroke mimic
	Bill 2003		Schistosomiasis and the Nervous System
	Howard 2003		Late Post-Polio Functional Deterioration
		Connor 2007	Immune or not immune: two cases of acute flaccid motor paralysis
	Carr 2003		Neurosyphilis
		Proudfoot 2013	Old adversaries, modern mistakes: neurosyphilis
		Mignarri 2014	Temporal lobe abnormalities in neurosyphilis
	Day 2004		Cryptococcal Meningitis
		Wijdicks 2004	Excruciating Headache but Nothing Obvious, Look at the Skin!
		Czyz 2013	Isolated, complete paralytic mydriasis secondary to herpes zoster ophthalmicus
	Gunatilake 2004		Leprosy
		Huda 2013	An unusual cause of mononeuritis multiplex

White 2004		How to Manage the Patient With a Family History of Aneurysmal Subarachnoid Haemorrhage
Wokke 2004		Neuroborreliosis
	Williams 2008	An exotic cause for confusion in the garden
	Murphy 2012	A case of acute neurogenic weakness mimicking the axonal variant of the Guillain-Barré syndrome
	Li 2015	Lyme disease presenting as multiple ischaemic strokes
	Sieradzan 2005	Wound Botulism
	Joseph 2005	The Bath Advanced Neurology Course 2003: Progressive Neurological Decline in Pregnancy
Kennedy 2005		Sleeping sickness – human African trypanosomiasis
	Kennedy 2010	Neurological influences from Africa
Torok 2005		Human immunodeficiency virus associated central nervous system infections
	Webb 2012	Hypereosinophilia and acute bilateral facial palsy: an unusual presentation of a common disease
	Nightingale 2013	Test them all; an easily diagnosed and readily treatable cause of dementia with life-threatening consequences if missed
Cooper 2009		Assess and interpret the visual fields at the bedside
	Singhal 2006	Non-compressive myelopathy with one error of omission and two of commission
Vilensky 2006		Encephalitis lethargica: could this disease be recognised if the epidemic recurred?
Garcia 2006		Neurocysticercosis: some of the essentials
	Knight 2009	Traveller's headache
Dhesi 2015		Imaging in neurocysticercosis
Solomon 2007		Viral encephalitis: a clinician's guide
	Moragas-Garrido 2013	Seizure, dysphasia, blindness and amnesia; what's the connection?

Davies 2012		Encephalitis: help from guidelines
	Schmutzhard 2007	Eosinophilic myelitis, a souvenir from South East Asia
Ginsberg 2008		Chronic and recurrent meningitis
	Williams 2016	IgG4-related disease: a rare but treatable cause of refractory intracranial hypertension
	Rice 2016	Intracranial spread of IgG4-related disease via skull base foramina
Panegyres 2008		Diagnosis and management of Whipple's disease of the brain
	Prasad 2008	Fatal subacute necrotising brainstem encephalitis in a young man due to a rare parasitic (Balamuthia) infection
Schut 2008		Community-acquired bacterial meningitis in adults
	Narayan 2009	Isolated cerebral aspergilloma in a young immunocompetent patient
	Hayton 2012	Successful outcome of Epstein–Barr virus encephalitis managed with bilateral craniectomy, corticosteroids and aciclovir
	McCarthy 2012	Acute cerebellar ataxia due to Epstein–Barr virus
	Abbs 2012	Listeria rhomboencephalitis
	Karunaratne 2016	The right diagnosis but the wrong pathway? Listeria meningitis mimicking stroke
Weeratunga 2014		Spontaneously resolving cerebellar syndrome as a sequelae of dengue viral infection: a case series from Sri Lanka
	Merwick 2015	Intradural extramedullary spinal candida infection
Osborne 2016		Toscana virus encephalitis following a holiday in Sicily
	Llewelyn 2016	Meningitis: from Kernig and Brudzinski to the 21st century
	Milburn 2016	Progressive weakness and intermittent low-grade fever in a Libyan man

		Nihat 2016	Rheumatoid meningitis
		Zarkali 2017	CD8+ encephalitis: a severe but treatable HIV-related acute encephalopathy
Diagnostic techniques and their appropriate use; anti-microbial therapies and their use; the importance of liaison with infectious disease physicians, microbiologists, public health and occupational health medicine in relation to neurological infections.			
Knowledge of prion disorders and its wider implications, such as infection control risk.	Lowman 2001		Variant Creutzfeldt-Jakob Disease
	Will 2010		Variant CJD: where has it gone, or has it?
	Collie 2002		Creutzfeldt-Jakob Disease
	Pal 2011		31st Advanced Clinical Neurology Course, Edinburgh 2009: progressive cognitive impairment, behavioural change and upper motor neuron signs in a 57-year-old woman
	Hornabrook 2006		Early descriptions of kuru: instinct, insects and intellect
	Beernink 2016		Capnocytophaga canimorsus meningitis diagnosed by 16S rRNA PCR
Based on an understanding of risk, be able to apply epidemiological principles and public health approaches so as to reduce and prevent disease and improve the health of populations.			
2.10 CSF Disorders			
CSF composition and dynamics; anatomy and radiology of the ventricular system;			
genesis of hydrocephalus;	Malm 2006		Idiopathic normal pressure hydrocephalus
	Conn 2007		Normal pressure hydrocephalus: new complications and concepts
		Thawani 2014	Colloid cyst of the third ventricle
		Fink 2015	Colloid cyst
biochemistry and immunology of CSF; blood brain barrier;	Benz 2009		When a clear crystal makes a case crystal clear
indications, techniques, and contraindications of CSF examination.	van Gijn 2005		Investigate the CSF in a patient with sudden headache and a normal CT brain scan

Methods of intracranial pressure monitoring; treatments of raised intracranial pressure, management of shunts. Able to evaluate and manage people with disorders of CSF including diagnostic and therapeutic lumbar punctures.	Jellinek 2002		Myodil arachnoiditis: Iatrongenic and forensic illness
	Lueck 2002		Idiopathic Intracranial Hypertension
		Suetterlin 2014	When is 'idiopathic intracranial hypertension' no longer idiopathic?
	Mollan 2014		A practical approach to, diagnosis, assessment and management of idiopathic intracranial hypertension
		Newman 2011	Thinking outside of the box
		Mattsson 2013	Coagulation of cerebrospinal fluid—the Nonne–Froin sign
	Rice 2013		Spontaneous intracranial hypotension and venous sinus thrombosis
		Webb 2015	Superficial siderosis following spontaneous intracranial hypotension
		Lagrand 2015	Sagging brain causing postural loss of consciousness: a case of severe spontaneous intracranial hypotension
		Stephen 2016	Complicated spontaneous intracranial hypotension treated with intrathecal saline infusion
	Davis 2016		Atraumatic needles for lumbar puncture: why haven't neurologists changed?
	Tyagi 2016		Management of spontaneous intracranial hypotension
	Williams 2017		How to do it: bedside ultrasound to assist lumbar puncture
2.11 Demyelination & Vasculitis			
Biology of demyelination & vasculitis; clinical features of multiple sclerosis,	Rucker 2004		Visual and Eye Movement Problems in Multiple Sclerosis
	Hutchinson 2009		Predicting and preventing the future: actively managing multiple sclerosis
	Coles 2009		Multiple sclerosis: THE BARE ESSENTIALS
	Lin 2012		The genetics of multiple sclerosis

		Jenkins 2014	Multiple sclerosis presenting as a relapsing amnestic syndrome
related demyelinating disorders		Al-Shahi 2002	A Young Man with a Fatal Encephalopathy
		Williams 2003	Confusion and Ataxia in a Middle Age Woman: A Case with Four Diagnoses Discussed at the Edinburgh Advanced Clinical Neurology Course in 2001
		Fialho 2002	A Blinding Headache Falling on Deaf Ears (Susac's Syndrome)
		Ramadan 2012	Susac's syndrome
		Dayal 2015	Looking out for the blind spot
	Akman-Demir 2002		Neuro-Behçet's Disease: a Practical Approach to Diagnosis and Treatment
	Baker 2011		Pathergy test
		Jenkins 2005	A Dysphasic Diabetic with Confusion and Fever
		Joseph 2007	Sarcoidosis of the nervous system
		Sabah 2011	Cavernous sinus syndrome with pachymeningitis
		Shenoy 2015	Corticosteroid-resistant bulbar neurosarcoidosis responsive to intravenous immunoglobulin
	Jacob 2006		Neuromyelitis optica
		Chhetri 2012	The unfolding tale of an unusual brain stem syndrome
	Hewett 2008		A devilishly interesting case
		Brownlee 2014	An elderly woman with leg weakness
	Matthews 2009		The borderland of neuromyelitis optica
		Zhao 2015	An unusual case of 'itchy paralysis': neuromyelitis optica presenting with severe neuropathic itch
	Palace 2012		A practical guide to the treatment of neuromyelitis optica
		Hamid 2015	Tonic spasms and short myelitis in an elderly woman—unique onset of neuromyelitis optica

	Biotti 2011		CLIPPERS: Chronic Lymphocytic Inflammation with Pontine Perivascular Enhancement Responsive to Steroids
		Wong 2013	'Blindness cured!': long-standing visual loss responding to corticosteroids
		Bargiela 2014	An under-recognised cause of spastic paraparesis in middle-aged women
		Broadfoot 2015	Paraneoplastic tumefactive demyelination with underlying combined germ cell cancer
		Milic 2017	Acute demyelination following radiotherapy for glioma: a cautionary tale
		Joshi 2017	Neuromyelitis optica presenting as acute bilateral ptosis
vasculitic and arteritic disorders.	Joseph 2002		Cerebral Vasculitis: A Practical Approach
	Bhattacharyya 2016		Primary angiitis of the central nervous system: avoiding misdiagnosis and missed diagnosis of a rare disease
	Coles 2004		Looks Like Multiple Sclerosis, but the Ana is Positive: Does My Patient Have Lupus?
	Joseph 2010		Neurolupus
		Irani 2006	Relapsing "encephalo" polychondritis
		Bock 2005	Vertebral artery halo sign in giant cell arteritis
		Thomas 2006	Visual loss when treating giant cell arteritis
		Brownlee 2013	A pain in the neck
		Mitchell 2014	Giant cell arteritis presenting with bilateral orbital inflammatory disease and enhancing superficial temporal arteries
		Saadi 2016	Tongue infarction due to giant cell arteritis
		Hilton-Jones 2007	A young man with rapidly progressive multifocal disease affecting the white matter
		Shah 2011	An evolving case of headaches and strokes
	Ducros 2009		Reversible cerebral vasoconstriction syndrome
		Miteff 2006	Idiopathic reversible segmental cerebral vasoconstriction

		Wiles 2015	Reversible cerebral vasoconstriction syndrome: a rare cause of postpartum headache
		Maxwell 2012	Neuro-Sweet's disease
		Iqbal 2013	Wegener's granulomatosis presenting with multiple cranial nerve palsies and pachymeningitis
	Berkowitz 2014		The neurology of Sjögren's syndrome and the rheumatology of peripheral neuropathy and myelitis
		Paling 2010	A treatable cause for a painful movement disorder
Management of specific impairments and disabilities arising in MS; role of disease modifying drugs, symptomatic treatments and therapies.	Connick 2011		Stem cells as a resource for regenerative neurology
	Fox 2002		Cannabis for Multiple Sclerosis
	Warlow 2003		Not Such a Bright Idea: The Uk Risk-Sharing Scheme for Beta Interferon and Glatiramer Acetate in Multiple Sclerosis
	Duddy 2016		The UK Risk-Sharing Scheme for interferon-beta and glatiramer acetate in multiple sclerosis. Outcome of the year-6 analysis
	Coles 2005		Can the course of multiple sclerosis be modified?
	Gold 2006		Multiple sclerosis therapy: new agents carry new risks
	Rice 2014		Disease modification in multiple sclerosis: an update
	Scolding 2015		Association of British Neurologists: revised (2015) guidelines for prescribing disease-modifying treatments in multiple sclerosis
		Sloan 2009	Greater trochanteric pain syndrome, another cause of hip or thigh pain in multiple sclerosis
	Dobson 2013		Bone health in chronic neurological diseases: a focus on multiple sclerosis and parkinsonian syndromes

	Fragoso 2014		Recommendations on diagnosis and treatment of depression in patients with multiple sclerosis
	Giovannoni 2016		Switching patients at high risk of PML from natalizumab to another disease-modifying therapy
Use of disability rating scales. Ability to evaluate & manage people with demyelinating & vasculitic disorders.	Fuller 2001		WHAT SHOULD I TELL A PATIENT AFTER AN ISOLATED EPISODE OF DEMYELINATION?
	Chataway 2010		When confronted by a patient with the radiologically isolated syndrome
	Ciccarelli 2002		Magnetic Resonance Imaging in Multiple Sclerosis
	Mumford 2002		Can Trauma Provoke Multiple Sclerosis?
	Renowden 2014		Review: Imaging in multiple sclerosis and related disorders
	Tallantyre 2016		How to run a multiple sclerosis relapse clinic
	Matthews 2016		A practical review of the neuropathology and neuroimaging of multiple sclerosis
2.12 The Neurological Complications of Immunosuppression			
Principles of immune responses in relation to the NS; immunological basis underlying auto-immune neurological disease; clinical features of these diseases; diagnostic techniques and their appropriate use.	Kelly 2014		PCP prophylaxis with use of corticosteroids by neurologists
Immunosuppressive and immunomodulatory therapies; their actions, side effects and indications. Ability to evaluate and manage people with immunological disorders caused by disease or treatment.	Compston 2004		Management of Glucocorticoid-Induced Osteoporosis – for Neurologists
	Martino 2007		Are antibasal ganglia antibodies important, and clinically useful?
	Hadavi 2011		Stiff person syndrome
		Lockman 2007	Stiff-person syndrome
	Selvarajah 2012		Histiocytosis for the neurologist: a case of Erdheim–Chester disease
		Stern 2014	Glycine receptor antibody mediated Progressive Encephalomyelitis with Rigidity and Myoclonus (PERM): a rare but treatable neurological syndrome

		Jabbari 2015	Longitudinally extensive transverse myelitis: a rare association with common variable immunodeficiency
2.13 Parkinsonism & Movement Disorders			
Clinical features and differential diagnosis of parkinsonism, chorea/athetosis, dystonia, tics and tremor;	Ali 2015		Parkinson's disease: chameleons and mimics
	Hyman 2004		Botulinum Toxin for Focal Dystonia
	Lin 2006		Focal hand dystonia
	Zeman 2004		Neuroacanthocytosis
	Sokolov 2012		Chorea-acanthocytosis
	Lindahl 2005		Startles, jumps, falls and fits
	Taylor 2006		Is it Parkinson's disease, and if not, what is it?
	Hawkes 2006		Predicting Parkinson's disease: worthwhile but are we there yet?
	Nahab 2007		Essential tremor, deceptively simple …
	Warren 2007		Progressive supranuclear palsy
	Wild 2007		The differential diagnosis of chorea
	Jellinek 2008		Not Parkinson's disease: neurologists' mistakes with a diversion into adult hydrocephalus
	van Rootselaar 2009		The paroxysmal dyskinesias
	Malek 2015		Diagnosing dopamine-responsive dystonias
		Gallagher 2010	Two in the hand, an essential lesson in tremor management
	Fuller 2010		The Bare Essentials: Hyperkinetic movement disorders: shakes, jumps and jolts
	Lees 2010		The bare essentials: Parkinson's disease
	Rickards 2010		Tourette's syndrome and other tic disorders
	Saifee 2011		Tardive movement disorders: a practical approach
	Jones 2011		Orthostatic tremor
		Keogh 2011	An unusual gait following the discovery of a new disease
	Aerts 2012		Improving the diagnostic accuracy in parkinsonism: a three-pronged approach

	Lozsadi 2012	Myoclonus: a pragmatic approach
	Roper 2013	How to use the entrainment test in the diagnosis of functional tremor
	Patel 2015	Hemichorea–hemiballism: a case report
role of investigations in diagnosis (including DAT scans).	Healy 2008	Test for LRRK2 mutations in patients with Parkinson’s disease
	Levi 2015	Bilateral Parkinsonism: when to image?
Role of neurosurgical interventions.	Thevathasan 2010	Deep brain stimulation for movement disorders
Ability to evaluate and manage people with Parkinsonism and Movement Disorders; Treatment (and complications of treatment) of movement disorders	Hanagasi 2002	Management of the Neuropsychiatric and Cognitive Symptoms in Parkinson’s Disease
	Todorova 2014	Non-motor Parkinson's: integral to motor Parkinson's, yet often neglected
	Lees 2002	Apomorphine for Parkinson’s Disease
	Lennox 2002	Fluctuations in Parkinson’s Disease
	Chaudhuri 2003	The restless legs syndrome: Time to recognize a very common movement disorder
	Davie 2005	First-line Treatment in Parkinson’s Disease
	Kesler 2006	Visual disturbances in Parkinson’s disease
	Playfer 2007	Ageing and Parkinson’s disease
	O'Sullivan 2007	Punding in Parkinson’s disease
	Brady 2015	Impulse control disorder manifesting as hidden sexual self-injury
	Poewe 2008	When a Parkinson’s disease patient starts to hallucinate
	Vlaar 2011	The treatment of early Parkinson's disease: levodopa rehabilitated
	Morrish 2012	Prescribing in Parkinson's disease: a story of hope and adverse events
	Worth 2015	Results of the early stage PD MED study: revelation or recapitulation?
	Burn 2013	Mild cognitive impairment in Parkinson's disease: millstone or milestone?

	Worth 2013	When the going gets tough: how to select patients with Parkinson's disease for advanced therapies
	Dobson 2013	Bone health in chronic neurological diseases: a focus on multiple sclerosis and parkinsonian syndromes
	Okuma 2014	Practical approach to freezing of gait in Parkinson's disease
	Gregory 2015	Parkinson's disease and the skin
	Wu 2015	Management of orthostatic hypotension in patients with Parkinson's disease
	Alty 2016	What to do when people with Parkinson's disease cannot take their usual oral medications
	Marion 2016	British Neurotoxin Network recommendations for managing cervical dystonia in patients with a poor response to botulinum toxin
Ability to liaise with other members of MDT (e.g. PD specialist nurse).	Post 2011	Multidisciplinary care for Parkinson's disease: not if, but how!
2.14 Motor Neuron Disease		
Clinical features and differential diagnosis of motor neuron syndromes; disease modifying and symptomatic treatments (e.g. NIV).	Talbot 2009	Motor neuron disease: THE BARE ESSENTIALS
	Turner 2013	Mimics and chameleons in motor neurone disease
	Turner 2003	Riluzole and Motor Neurone Disease
	Talbot 2004	Monmelic Amyotrophy Hirayama's Dissease
	Baek 2007	ALS: pitfalls in the diagnosis
	Rafiq 2012	Respiratory management of motor neurone disease: a review of current practice and new developments
	Turner 2012	Motor neurone disease is a clinical diagnosis
	Fernandes 2015	Progressive hemiparesis in a 75-year-old man
	Stavroulakis 2016	Enteral feeding in neurological disorders

Special issues of breaking bad news and prognosis; palliative care aspects; knowledge of advanced directives and living wills.	Oliver 2002		Palliative Care for Motor Neurone Disease
2.15 Toxic & Metabolic States			
Biochemistry and neuropathology of exposure to alcohol and other recreational drugs , heavy metals, pesticides and therapeutic agents; clinical features of alcohol, cocaine, opiate, amphetamine neurotoxicity; of heavy metal, CO, NO and organophosphate poisoning; of chemotherapeutic agents; Psychiatric morbidity associated with substance abuse.		Norrving 2003	An Enigmatic Encephalopathy
		Achaibar 2007	Ciguatera poisoning
		Bhatia 2008	Putaminal necrosis due to methanol toxicity
		Singh 2013	Methanol toxicity presenting as haemorrhagic putaminal necrosis and optic atrophy
	Roth 2011		The posterior reversible encephalopathy syndrome: what's certain, what's new?
		Rinaldi 2011	A dizzy and disorientated DJ
	Welch 2011		Neurological complications of alcohol and misuse of drugs
		Derry 2012	Encephalopathy in a 45-year-old woman: presented at the Advanced Clinical Neurology Course, Edinburgh 2010
		Blackburn 2013	Trigeminal neuralgia: no laughing matter
		Chancellor 2013	A bitter-sweet tale from the land of milk and honey
		Cosgrove 2013	Migration of intraocular silicone oil into the brain
		Iniesta 2013	Methyl iodide rhombencephalopathy: clinico-radiological features of a preventable, potentially fatal industrial accident
		Bhat 2014	Corpus callosum fibre disruption in Marchiafava–Bignami disease
		Gooneratne 2014	Toxic encephalopathy due to colchicine—Gloriosa superba poisoning

		Kinzel 2015	Toxic cerebellar syndrome due to methotrexate
		Ward 2015	Acute cerebellar syndrome associated with metronidazole
		Thompson 2015	Whippits, nitrous oxide and the dangers of legal highs
		Benzimra 2015	Sight-threatening pseudotumour cerebri associated with excess vitamin A supplementation
	Nehlig 2016		Effects of coffee/caffeine on brain health and disease: What should I tell my patients?
		Bourke 2016	A taxing case
Neurological presentations of renal & hepatic failure, nutritional deficiencies and porphyria.	Samuels 2003		The Neurology of Anaemia
	Peters 2006		Porphyria for the neurologist: the bare essentials
		Swash 2007	And Lord Brain said …
		Turner 2009	Functional vitamin B12 deficiency
		Pal 2009	Progressive unsteadiness in a 68-year-old man with longstanding abdominal pain and altered bowel habit
		Murphy 2009	Dry beriberi mimicking the Guillain–Barré syndrome
	Miller 2010		Essential thrombocythaemia and its neurological complications
		Mullin 2012	Cerebral vasospasm and anterior circulation stroke secondary to an exacerbation of hereditary corproporphyria
		Balestrini 2016	Safe use of perampanel in a carrier of variegate porphyria
		Dobson 2016	The difficulties with vitamin B12
	Lachmann 2016		Homocysteine and methylmalonate: when should I measure them and what do they mean?

		Bashford 2017	Remarkable motor recovery after riboflavin therapy in adult-onset Brown—Vialetto—Van Laere syndrome
Role and value of blood and urine toxicology, imaging and neurophysiology; assessment of other organ damage	Mistry 2009		When to consider thyroid dysfunction in the neurology clinic
		Carvalho 2009	An error of self-diagnosis—but what was the real diagnosis?
Clinical features and management of hyper/hypo-thermia, sodium, potassium, calcium and acid base disorders.	Clarke 2006		Neurology at high altitude
		Biotti 2009	A trident in the brain, central pontine myelinolysis
		Donnelly 2016	Central pontine myelinolysis secondary to hyperglycaemia
Ability to evaluate and manage people with metabolic/toxic states.	Evans 2011		Neurogastroentrology: an A to Z
		Parkinson 2014	When the penny drops
		Litwin 2015	Sunflower cataract: do not forget Wilson's disease
	Blair 2015		Urea cycle disorders: a life-threatening yet treatable cause of metabolic encephalopathy in adults
		Tohge 2016	A case of cystinuria presenting with cerebellar ataxia and dementia
2.16 Disorders of the Visual System			
Applied anatomy and physiology of the visual and oculomotor systems; clinical evaluation of the eye and adnexae, vision (acuity, fields and higher function); clinical features and conditions which may affect these systems.		Molyneux 2010	Migraine, an open and shut case?
		Williams 2005	The Tilted Disc Syndrome
		Parry-Jones 2008	Leber’s hereditary optic neuropathy associated with multiple sclerosis: Harding’s syndrome
	Cooper 2009		The neurology of HTLV-1 infection
	Arbabi 2010		Drusen and the misleading optic disc
	Lueck 2010		Loss of vision
		Dobson 2011	Melanoma associated retinopathy and how to understand the electroretinogram

	Hickman 2011		The bare essentials: Neuro-ophthalmology
		McGowan 2011	The Pulfrich phenomenon; clumsiness and collisions which can be ameliorated
	Mehta 2012		The pharmacological treatment of acquired nystagmus
	Cooper 2012		Higher visual function: hats, wives and disconnections
	Cooper 2016		Here, there and everywhere: higher visual function and the dorsal visual stream
		Milazzo 2013	Diffuse multiple sclerosis and chronic central serous chorioretinopathy: pitfall not to ignore
		Ali 2015	Parkinson's disease: chameleons and mimics
		Attawan 2015	The natural history of idiopathic neuroretinitis
		Prasad 2015	Ectopia lentis in Marfan's syndrome causing positional visual symptoms
		Osman 2016	'The worm that got away': parainfectious atypical optic neuritis associated with schistosomiasis infection
	Weerasinghe 2016		Mimics and chameleons of optic neuritis
Driving regulations. Ability to evaluate and manage people with disorders of the visual system including visual failure, oculomotor disorders & pituitary disease.		McIlwaine 2003	Transient or Intermittent Visual Loss
		Benninger 2014	Surprising cause of transient monocular vision loss
		McDonald 2005	Visual Loss in a Young Man
	Xue 2013		Retinal imaging: what the neurologist needs to know
	Bennetto 2014		Eye drop neurology
		Braksick 2014	Moisture and mydriasis
	Wong 2015		How to interpret visual fields
	Mackay 2016		Non-mydriatic fundus photography: a practical review for the neurologist

2.17 Disorders of Cranial Nerves

Anatomy of the skull base, particularly the orbit, cavernous sinus, pituitary fossa, foramen magnum and jugular foramen; pathological processes involving cranial nerves and their central connections; clinical features & clinical assessment of cranial nerve function.		Stone 2002	Pseudo-Ptosis
	Hawkes 2005		Why Bother Testing the Sense of Smell?
		Lance 2005	Harlequin Syndrome
		Stone 2006	Parry-Romberg syndrome
		Pearce 2007	Some syndromes of James Ramsay Hunt
		Neagu 2016	Ramsay Hunt syndrome
		Steele 2007	Not a microvascular sixth nerve palsy
		Sheerin 2008	Atrophy of the superior oblique muscle
		Stevens 2010	The imploding antrum syndrome: an unusual cause of double vision
		Wills 2010	Accessory nerve palsies
	Ahmad 2011		Ptosis
		Collyer 2012	Trigeminal trophic syndrome
		Gold 2012	Aberrant regeneration of the third nerve (oculomotor synkinesis)
		Blackburn 2013	Delayed toxic–hypoxic encephalopathy
		Huda 2013	Asystole and facial pain
	Hughes 2014		Rules of tongue: look, listen, feel
		Kheder 2014	Neurological red flag: the numb chin
	Broad 2015		Recognising facial onset sensory motor neuronopathy syndrome: insight from six new cases
	Fuller 2016		Bell's palsy syndrome: mimics and chameleons
	Murdoch 2016		The Guillain–Mollaret triangle in action
Management of cranial nerve disorders including multidisciplinary approaches to visual, hearing & balance, speech & swallowing disorders.			
2.18 Disorders of Spine, Spinal Cord, Roots and Spinal Injury			
Anatomy of the spine, spinal cord, roots; clinical features of spinal cord, root and cauda equina syndromes; indications for urgent investigation; potential and limitations of spinal CT, MRI, myelography and spinal angiography.	Lamin 2003		Vascular Anatomy of the Spinal Cord and Cord Ischaemia

	Renowden 2012		Normal anatomy of the spinal cord
Emergency management of spinal cord or root compression, of spinal injury; management of neck and low back pain and sciatica.	Ropper 2015		Acute management of traumatic cervical spinal cord injury
Ability to evaluate and manage people with disorders of the spine, spinal cord and roots, and the acute & chronic consequences of acute spinal cord injury including effects of paralysis, autonomic dysfunction and sensory loss.	Knight 2001		Notalgia Paraesthetica
		Myles 2003	Don't Worry – it's only a Birthmark
		van Gijn 2006	An elderly man with slowly ascending numbness of the legs, followed by incontinence and paraplegia
	Bennett 2016		Neoplastic cauda equina syndrome: a neuroimaging-based review
		Stacpoole 2007	Spinal claudication due to myxopapillary ependymoma
	Ginsberg 2011		The bare essentials: Disorders of the spinal cord and roots
		Bush 2014	Papilloedema secondary to a spinal paraganglioma
		Buch 2015	Spinal cord tumour misdiagnosed as seropositive neuromyelitis optica spectrum disorder
		Colchester 2015	Cauda equina syndrome due to intravascular lymphoma: diagnosis by nasal biopsy
	Wong 2008		Myelopathy but normal MRI: where next?
		Lo 2014	Horse's tail in bamboo spine: the 'cauda equina syndrome in ankylosing spondylitis'
		Carroll 2015	Transdural spinal cord herniation with extradural cerebrospinal fluid collection
		Cosgrove 2015	Holocord syrinx associated with haemangioblastoma
	Ginsberg 2017		Myelopathy: chameleons and mimics
		Williamson 2017	Spinal cord infarction after cocaine use

2.19 Disorders of Peripheral Nerve

clinical features & investigation of genetic and acquired axonal and demyelinating neuropathies, traumatic & entrapment neuropathies, plexopathies and mononeuritis multiplex;
Anatomy and pathology of peripheral nerves;

Overell 2011		Peripheral neuropathy: pattern recognition for the pragmatist
Marsh 2013		How to recognise and treat peripheral nervous system vasculitis
Hughes 2008		Peripheral nerve diseases: THE BARE ESSENTIALS
	Connor 2002	Not the Guillain–Barré Syndrome
	Lewis 2016	A wolf in sheep's clothing
	Warlow 2002	Where is the Lateral Cutaneous Nerve of the Forearm Anyway?
Hughes 2002		Chronic Inflammatory Demyelinating Polyradiculoneuropathy
	Shah 2012	Cranial nerve, spinal root and plexus hypertrophy in chronic inflammatory demyelinating polyneuropathy
Overell 2006		Chronic inflammatory demyelinating polyradiculoneuropathy: classification and treatment options
Neligan 2014		CIDP: mimics and chameleons
	Mohee 2013	An unusual cause of raised CSF protein
Willison 2002		Multifocal Motor Neuropathy
Donaghy 2003		Enlarged Peripheral Nerves
Khadilkar 2015		A practical approach to enlargement of nerves, plexuses and roots
	Andrews 2003	King’s College London Neuromuscular Disease Symposium, November 2002 - An Unusual Cause of Speech and Swallowing Difficulty
	Kowalewska-Zietek 2011	An unusual cause of carpal tunnel syndrome
	Gibani 2014	Hard to swallow: atypical transthyretin amyloid neuropathy mistaken for CIDP
Ginsberg 2005		Fabry Disease
Hui 2005		Carpal Tunnel Syndrome
Dineen 2014		What role for ultrasound in diagnosing carpal tunnel syndrome?

		Lindley 2006	Happy with HNPP?
		Geranmayeh 2012	Recurrent sensory and motor neuropathy
		Caswell 2006	POEMS syndrome
	Stewart 2006		Ulnar neuropathies: where, why, and what to do?
	van Alfen 2006		The trouble with neuralgic amyotrophy
	Little 2007		Diabetic neuropathies
		Hwang 2016	'Insulin neuritis' to 'treatment-induced neuropathy of diabetes': new name, same mystery
	Reilly 2007		Sorting out the inherited neuropathies
	Rossor 2012		Knee bobbing in Charcot–Marie–Tooth disease
	Rossor 2015		A practical approach to the genetic neuropathies
	Ingram 2016		Distal hereditary motor neuropathy with vocal cord paresis: from difficulty in choral singing to a molecular genetic diagnosis
	Stewart 2008		Foot drop: where, why and what to do?
	Mathew 2010		Arsenical peripheral neuropathy
	Sheikh 2010		The dorsal root ganglion under attack: the acquired sensory ganglionopathies
		Aurangzeb 2014	Mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes (MELAS) in the older adult
	Themistocleous 2014		The clinical approach to small fibre neuropathy and painful channelopathy
	Chhetri 2014		Clinical assessment of the sensory ataxias; diagnostic algorithm with illustrative cases
		Lo 2016	Rueing the Roux-en-Y
		Bäumer 2016	CIDP presenting as recurrent severe back pain without weakness or sensory loss
		Moudrous 2016	First digit macrodactyly and carpal tunnel syndrome caused by giant median nerve with macrodystrophia lipomatosa
2016			
management of GBS and other severe paralysing neuropathies;	Pritchard 2006		Author's response
		Chai 2012	Acute flaccid paralysis with chronic cough

	Winer 2009		When the Guillain-Barré patient fails to respond to treatment
		Carswell 2015	Progressive bilateral facial weakness
	Wakerley 2015		Stumbling towards a diagnosis
	Uncini 2015		99 years of Guillain–Barré syndrome: pathophysiological insights from neurophysiology
	Wakerley 2015		Mimics and chameleons in Guillain–Barré and Miller Fisher syndromes
		Bulder 2011	The man in black with headache, photophobia and fixed pupils
		Gilpin 2014	Headache, diplopia and labile blood pressure during haemodialysis
general management of acute neuromuscular paralysis.	Hutchinson 2008		Neuromuscular disease and respiratory failure
Ability to evaluate and manage people with disorders of peripheral nerves (including plexus lesions).	Ginsberg 2003		Nerve Biopsy
	Lauria 2005		Skin Biopsy in the Diagnosis of Peripheral Neuropathies
2.20 Disorders of Autonomic Nervous System			
Anatomy and physiology of ANS; clinical features of ANS disorders alone and as part of other condition e.g. multi-system atrophy; investigations including autonomic function tests. Pharmacological and physical managements of urinary retention, erectile disorder, constipation, postural hypotension, autonomic dysreflexia. Ability to evaluate and manage people with disorders of the autonomic nervous system.			
2.21 Disorders of Muscle			
Clinical features and investigation of genetic and acquired disorders of the neuromuscular junction and voluntary muscle including periodic disorders and disorders of energy metabolism (e.g. mitochondrial disorders).	Merrison 2009		Muscle disease: THE BARE ESSENTIALS
	Jacob 2009		THE BARE ESSENTIALS: Myasthenia gravis and other neuromuscular junction disorders
	Walters 2014		Muscle diseases: mimics and chameleons
	Hilton-Jones 2001		McArdle's Disease

Chevrel 2002		Myositis Diagnosis and Management
	Shah 2015	Giant cell myositis responsive to combined corticosteroids and immunoglobulin
Hilton-Jones 2002		Diagnose Myasthenia Gravis
	Farrugia 2005	Myasthenia gravis with MuSK antibodies
Hilton-Jones 2005		The Management of Myasthenia Gravis
	Burke 2009	A treatable muscle disease
Hilton-Jones 2007		When the patient fails to respond to treatment: myasthenia gravis
Reddy 2007		“Ice-on-eyes”, a simple test for myasthenia gravis presenting with ocular symptoms
Finlayson 2013		Congenital myasthenic syndromes: an update
Sussman 2015		Myasthenia gravis: Association of British Neurologists’ management guidelines
Hilton-Jones 2002		Inclusion Body Myositis
Maddison 2002		Neuromyotonia
Orrell 2004		Facioscapulohumeral Dystrophy
Mul 2016		What's in a name? The clinical features of facioscapulohumeral muscular dystrophy
Mastaglia 2006		Drug induced myopathies
	Lagarde 2012	Sudden proximal paraparesis secondary to statin myositis
Petty 2007		Lambert–Eaton myasthenic syndrome
Mastaglia 2008		When the treatment does not work: polymyositis
Bushby 2009		Diagnosis and management of the limb girdle muscular dystrophies
	Shaboodien 2015	Limb-girdle weakness in a marfanoid man: distinguishing calpainopathy from Becker's muscular dystrophy
	Rajakulendran 2010	Muscle weakness, palpitations and a small chin: the Andersen–Tawil syndrome
	Wilmin 2012	Torsade de pointes in Kearns–Sayre syndrome
	Siow 2016	A rare cause of weakness

Management including cardio-respiratory and anaesthetic considerations.			
Ability to evaluate and manage people with disorders of muscle.	Hall 2001		Muscle Biopsy
	Leung 2006		The dropped head
	Renard 2015		Cortical abnormalities on MRI: what a neurologist should know
	Sussman 2016		Thymectomy: the more you know, the more you know you don't know
	Cauchi 2016		A practical approach to the patient presenting with dropped head
	Walters 2016		Contractures and muscle disease
2.22 Pain			
Theories of pain generation; pain patterns in neurological and systemic diseases; effective use of pharmacological agents and other measures for pain relief including nerve blocks, TNS, acupuncture and neurosurgical interventions.	Murray 2008		The farmer, his neuropathic pain and the cow fence
Role of Pain Clinic; psychological and social effects of chronic pain, understanding of MDT approach.	Magrinelli 2013		Neuropathic pain: diagnosis and treatment
Ability to evaluate and manage people with neurological disorders causing pain and common non neurological causes of pain including musculoskeletal disease.	Schott 2007		Complex? Regional? Pain? Syndrome?
Neurology Curriculum 2010 (with 2013 amendments) item	***Review Article***	***Case Report***	***Title***
3. Allied Topics within Neurology Curriculum			
3.1 Clinical Neurophysiology			
EEG - normal range of EEG findings; common epileptiform abnormalities; capabilities and limitations in neurological disorders; role of monitoring techniques (telemetry, ambulatory); evaluation of sleep disorders; neurological emergencies.	Chancellor 2009		Electroencephalography: maturing gracefully
	Whittaker 2015		Video telemetry: current concepts and recent advances
	May 2013		SIRPIDS: An unusual EEG pattern in a critically ill patient
		Abbas 2016	Extreme delta brushes and BIRDs in the EEG of anti-NMDA-receptor encephalitis
	Proudfoot 2014		Magnetoencephalography

EMG/NCS/repetitive stimulation – principles of techniques; abnormalities in common nerve entrapments, peripheral neuropathies; motor neuron disease; disorders of neuromuscular junction; muscle disease.	Ertas 2003		Single Fibre Electromyography
	Whittaker 2011		Testing the neuromuscular junction: what neurophysiology can offer the neurologist
	Whittaker 2012		The fundamentals of electromyography
	Whittaker 2012		SNAPs, CMAPs and F-waves: nerve conduction studies for the uninitiated
Evoked potentials - common abnormalities in neurological diseases, particularly demyelination; role of intraoperative EP.	Barnett 2007		The action potential
	Kane 2015		Somatosensory evoked potentials aid prediction after hypoxic–ischaemic brain injury
Understand role and practice of neurophysiological investigations in disorders of the nervous system; ability to interpret a neurophysiology report.			
3.2 Neuroendocrinology			
Clinical features and investigations in endocrine disorders; emergency management of disorders; relationships with neurological disorders.			
Steroid therapy and its complications. Understand the principles of the NS in endocrine function and neurological features of endocrine disorder particularly pituitary disease.		Simpson 2008	An evolving headache
3.3 Neurogenetics			
Basic genetic principles including inheritance patterns and common diagnostic methods; roles of a detailed family history and of DNA based diagnostic tests.	Morrison 2002		Polymerase Chain Reaction
	Reilly 2016		Untreatable genetic disorders: to test or not to test
	Chinnery 2003		The Mitochondrion and its Disorders
		Aurangzeb 2014	An elusive cause for a progressive neuropathy
	Chinnery 2006		Could it be mitochondrial? When and how to investigate

	Martikainen 2015		Mitochondrial disease: mimics and chameleons
	Razvi 2005		Draw a Pedigree During the Neurological Consultation
	Keogh 2013		Exome sequencing: how to understand it
Genetic contribution to multifactorial neurological disease (e.g. stroke, multiple sclerosis, subarachnoid haemorrhage, epilepsy).			
		Jung 2009	Acute hemiparesis in Sturge-Weber syndrome
Clinical features of common genetic conditions (hereditary ataxias, Huntington's disease, hereditary neuropathies, muscle diseases, and neurocutaneous syndromes).	Simpson 2004		The Management of Huntington's Disease
	Craufurd 2015		Diagnostic genetic testing for Huntington's disease
	Worth 2004		Sorting out Ataxia in Adults
		Walker 2006	Spinocerebellar ataxia type 7 (SCA7)
	van Gaalen 2012		A practical approach to late-onset cerebellar ataxia: putting the disorder with lack of order into order
		Stevens 2011	Ataxia in a young patient
		Sidhu 2013	A progressive multifocal conundrum
		Davenport 2006	Shaky older men (and now women)
	Ferner 2010		The neurofibromatoses
		Rafiq 2011	A neurological rarity not to be missed: cerebrotendinous xanthomatosis
		Nicholls 2015	Diagnosis of spinal xanthomatosis by next-generation sequencing: identifying a rare, treatable mimic of hereditary spastic paraparesis
	Athappily 2013		TS or not TS?
		Kheder 2013	Niemann–Pick type C: a potentially treatable disorder?
		Lote 2013	48, XXYY syndrome associated tremor
		Nowak 2014	Kjellin syndrome: hereditary spastic paraplegia with pathognomonic macular appearance

		Wynford-Thomas 2014	Rarities in neurology: blue rubber bleb naevus syndrome
		Ahmad 2015	Adult-onset Alexander's disease mimicking degenerative disease
		Thouin 2016	Glut1 deficiency syndrome: Absence epilepsy and La Soupe du Jour
		Ibitoye 2016	Ovarioleukodystrophy due to EIF2B5 mutations
		Kirresh 2016	Trapped without a diagnosis: Tumour necrosis factor receptor-associated periodic syndrome (TRAPS)
		Rodrigues 2016	Psychogenic non-epileptic seizures in early Huntington's disease
		Breen 2017	A hill walker with long chains
An understanding of the role of bioinformatic databases of human disease. Understand the principles of genetics as applied to neurological disorder; ability to interpret a genetics report. Ability to counsel and consent patients and families prior to undergoing genetic testing.			
3.4 Neurointensive Care			
Clinical features, causes, investigation and management of coma (including epilepsy and raised ICP), failure to regain consciousness and paralysis; diagnosis of and ability to define the vegetative state; management of status epilepticus; the principles of CVR support; indications for artificial nutrition.	Wijdicks 2002		Short of Breath, Short of Air, Short of Mechanics
	Howard 2008		Weakness on the intensive care unit
	Ropper 2014		Management of raised intracranial pressure and hyperosmolar therapy
ICU neurological complications of major surgery, sepsis, drugs & medical disorders. Clinical, legal and ethical issues in brain death, coma and vegetative state.			
3.5 Neuro-otology			

Applied anatomy and physiology of hearing and balance; history and examination techniques including vestibular manoeuvres; conditions affecting the vestibulocochlear system.		Whiteley 2004	An Elderly Man with Cranial Nerve Palsies, Otalgia and Otorrhoea
		Mattle 2005	Benign Paroxysmal Positional Vertigo is Sometimes Not so Benign
	Seemungal 2008		A practical approach to acute vertigo
	Hamid 2009		Ménière's disease
	Bronstein 2010		Chronic dizziness: a practical approach
Ability to evaluate the deaf and / or dizzy person and interpret reports including audiograms.			
Ability to perform diagnostic and therapeutic vestibular manoeuvres.	Brandt 2001		Exercise Away Vertigo
	Kaski 2014		Progressive bilateral ptosis in a patient with midbrain metastasis and chronic inflammatory demyelinating polyradiculoneuropathy
3.6 Neuropaediatrics			
Understanding of neurological disorders in intrauterine life and childhood; key stages of development and range of normality; knowledge of developmental disorders (including effects of intrauterine and perinatal factors), metabolic conditions, cerebral palsy, learning disability and autism.	Mikati 2003		Febrile Seizures in Children
	Kassem-Moussa 2005		Management of acute stroke in the paediatric age group
	Wimalasundera 2016		Cerebral palsy
Knowledge of paediatric conditions that can present in adulthood.			
Ability to evaluate and manage neurological disorders in teenagers in liaison with paediatric neurologists.			
Ability to examine teenage children.			
3.7 Neuropathology			

Understand the pathological basis of neurological disorders; anatomy of brain sections, brain preparation, histological, histochemical, immunocytochemical biochemical, immunological & microbiologicaland E.M. techniques; understand and interpret reports; role of and consent process for coroner. Ability to appropriately request pathological investigations and interpret pathology reports. Understand the importance of clinico-pathological conferences.	Jeans 2008		Brain histology
3.8 Neuropsychiatry			
Understanding of common psychiatric disorders (including learning disability),	Sharpe 2003		What do Neurologists Need to Know About Psychiatry?
	Zeman 2014		Neurology is psychiatry—and vice versa
	David 2003		Asperger's and Related Disorders
neurological features which may have psychiatric causes (including medically unexplained symptoms, conversion disorder, somatisation);	Howard 2004		Do Investigations Reassure Patients with No Organic Pathology?
	Stone 2006		Dissociation: what is it and why is it important?
	Stone 2009		Functional symptoms in neurology: THE BARE ESSENTIALS
	Stone 2016		Functional neurological disorders: the neurological assessment as treatment
	Edwards 2016		Functional neurological symptoms: welcome to the new normal
			Explaining functional disorders in the neurology clinic: a photo story
	Carson 2016		Explaining functional disorders in the neurology clinic: a photo story
		Lee 2016	Functional foreign accent syndrome
the mental health act and when it can be used.	Wade 2015		Restricting freedom of people with limited awareness of maintaining their well-being: a legal quagmire
	Ashby 2015		Brain injury and deprivation of liberty on neurosciences wards: 'a gilded cage is still a cage'

Ability to evaluate and interpret psychiatric symptoms in and as presentations of neurological disorders, psychiatric consequences of neurological disease and neurological features in people with psychiatric disorders.	House 2003	Defining, Recognizing and Managing Depression in Neurological Practice
	Sharpe 2006	The symptom of generalised fatigue
	Stone 2011	We must tell our patients what is wrong with them even if we don't know why they have symptoms
	Stanton 2016	Apathy: a practical guide for neurologists
3.9 Neuropsychology		
Understanding of neuroanatomical and neurophysiological basis of memory, attention, language and perception	Budson 2007	Memory dysfunction in neurological practice
Understand the value and limitations of neuropsychological interventions (CBT)	Detert 2015	Mindfulness for neurologists
Understand MMSE and basic neuropsychological tests employed by Clinical Psychologists, e.g. NART, WAIS.		
Ability to utilise basic clinical tests of cognitive function, to understand the need to refer to and the role of the Clinical Neuropsychologist, and to interpret reports.	Griffiths 2003	Use a Diagnostic Neuropsychology Service Properly
3.10 Neuroradiology		
Request, interpret and utilise neuro-radiological investigations appropriately;	Thammaroj 2005	The Hippocampus: Modern Imaging of its Anatomy and Pathology
	Schott 2007	A neurological MRI menagerie
	Shenoy 2009	Fahr's disease
	Lines 2013	Looking beyond the obvious: cerebral calcification
	Renowden 2012	Normal anatomy of the brain on CT and MRI with a few normal variants
	Renowden 2012	Normal anatomy of the base of the skull, orbit, pituitary and cranial nerves
	Renowden 2014	Imaging in stroke and vascular disease—part 2: intracranial haemorrhage and related pathologies
	Renowden 2015	The parasellar region and central skull base
	Bahl 2013	Focal cortical dysplasia mimicking neoplasia
	Renard 2015	Serum CK as a guide to the diagnosis of muscle disease

	Velasquez 2015		Kernohan's notch
	Kaplan 2016		Reversible splenial lesion syndrome
		Boca 2016	Basal ganglia necrosis: a 'best-fit' approach
explain the nature, risks and benefits of neuro- radiological investigations to patients.	Salman 2010		Brain MRI roulette
understand the role, risks and limitations of common techniques.	Farrall 2006		Magnetic resonance imaging

3.11 Neurorehabilitation

Understand the difference between pathology, impairment, activity & participation; understand the potential and limitations of neurorehabilitation; understand the social perspective, relevant social work legislation and availability of care in the community.	Walton 2003	Management of Patients With Spasticity - A Practical Approach
	Kheder 2012	Spasticity: pathophysiology, evaluation and management
Ability to evaluate the requirement for rehabilitation in people with neurological disorders (including stroke, head injury, spinal injury and MS) in the context of a multidisciplinary team and make appropriate referrals. Ability to perform and utilise a functional assessment. Contribute to and, if appropriate, lead an MDT meeting being aware of the different roles, skills, approach and agenda of rehabilitation teams.		

3.12 Neurosurgery

Understand the role of neurosurgery in the management of head injury, raised intracranial pressure, intracranial haemorrhage and ischaemic stroke, aneurysm, vascular malformation and tumours, spinal cord and root disorder and peripheral nerve lesions.		
Understand the purpose, limitations, process and complications of biopsy procedures (brain, muscle, nerve).		
Understanding of the principles of general and specific risks and complications of neurosurgical interventions.	de Gusmão 2015	Cerebrospinal fluid shunt-induced chorea: case report and review of the literature on shunt-related movement disorders
	Annan 2014	Deterioration following craniectomy
	Nagendran 2016	The zebra sign: an unknown known

Ability to evaluate the requirement for neurosurgical interventions in people with neurological disorders and to liaise effectively with the neurosurgeon.	Haines 2003		Which Operation for Trigeminal Neuralgia
	Spinner 2006		CA Breaking down the silos: the team approach to evaluating the patient referred for neurological surgery
		Wakerley 2013	Progressive dysphagia without dysarthria
		McArdle 2016	Ruptured intracranial dermoid cyst
3.13 Neurourology			
Understand normal control of micturition and sexual function; differential diagnosis of causes of disordered micturition and erectile dysfunction; understand hypo- and hyper-sexuality; understand	Smith 2013		Urinary retention for the neurologist
	Panicker 2010		The bare essentials: Uro-Neurology
treatment strategies for disorders of micturition and sexual function.			
Ability to evaluate, manage and or refer people with disordered micturition and sexual function due to neurological disorder.	Dasgupta 2001		Urodynamics