

Course Title	Neurology, Neurosurgery and Palliative Care						
Course Code	MED-506						
Course Type	Required						
Level	Undergraduate						
Year / Semester	Year 5/ Semester 10 (Spring)						
Teacher's Name	Course Leads: Prof Savvas Papacostas						
ECTS	6	Lectures / week	4	Laboratories / week	0	Clinical Practice	36
Course Purpose and Objectives	<p>The main objectives of the last two years of the six year medical programme are to provide students with extensive experience in the clinical environment, mainly in hospitals but also in the community, so that they can utilise their learning over the previous 4 years to practise their clinical, communication, diagnostic and reasoning skills on real patients, and to learn about the management of patients, from a medical, therapeutic, surgical, psychosocial and caring perspective.</p> <p>In this course, students will spend five weeks working primarily with patients with neurological disorders and with those receiving end-of-life palliative care. They will develop an understanding of the presentation, signs and symptoms, physical examination findings, investigations, diagnosis, treatment (medical and/or surgical as appropriate) and management plan for common neurological disorders. They will learn how terminally ill patients are cared for when they are no longer able to benefit from curative treatment, but receive palliative care instead.</p> <p>The students will learn how to take detailed histories from, carry out systematic clinical examination of, and interpret laboratory and imaging data on patients with neurological disorders. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating neurological disorders. They will also spend time in theatre observing neurosurgical operations.</p>						
Learning Outcomes	<p>After the completion of the course the students should be able to:</p> <ol style="list-style-type: none"> 1. Take a history from a patient, or relative of a patient, presenting with a neurological disorder, in a sensitive and caring manner 2. Carry out a sensitive physical examination as part of investigation of the presenting complaint 3. Come up with a differential diagnosis for the presenting complaint 4. Identify appropriate investigations, including blood, urine and CSF tests, tests using electrodes, and imaging, to assist in the diagnosis of the presenting complaint and to interpret the results from such tests 5. Prepare a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate 6. Observe, and where appropriate carry out or assist with, the following procedures: X-rays, fluoroscopy, angiography, biopsy, MRI, CT and PET scans, discography, electronystagmography, myelography, polysomnogram, thermography, 						

	ultrasound electroencephalography, electromyography, nerve conduction, evoked potentials, microsurgery, minimally invasive endoscopic surgery, cranioplasty, angioplasty, stenting, clot retrieval, embolization, diagnostic angiography and other surgical procedures, planned and opportunistic				
	7. Define palliative care and summarise what is included in an integrated care pathway for terminally ill patients and their families				
	8. Visit a hospice for the terminally ill				
Prerequisites	None	Required	None		
Course Content	<ul style="list-style-type: none"> • Headache, including migraine and tension type • Cerebrovascular disease (TIA, cerebral infarction, intracranial haemorrhage) • Blackouts, seizures and epilepsy • Head Injury and Coma • Multiple Sclerosis • Cerebellar Disorders • Parkinson's disease and other movement disorders • Motor Neurone disease (MND) • Meningitis and other intracranial infections • Intracranial tumours and other space occupying lesions • Spinal cord disease, intervertebral disc prolapse and nerve root lesions • Peripheral polyneuropathy (including Guillain-Barre syndrome) • Carpal Tunnel Syndrome and other peripheral mononeuropathies • Muscle disease and myasthenia gravis • Cranial nerve palsies • Neurorehabilitation • Definition of palliative care • Symptom control • Terminal Care • Communicating with terminally ill patients • Ethical/legal aspects concerning terminally ill patients, including euthanasia 				
Teaching Methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.				
Bibliography	Required Textbooks/Reading:				
	Authors	Title	Publisher	Year	ISBN
	Lindsay, K. & Bone, I.	Neurology & neurosurgery Illustrated	Churchill Livingstone	2010	9780443069574

	Fuller, G. & Manford, M.,	Neurology: an illustrated colour text, 3 rd ed.	Churchill Livingstone	2010	9780702032240
	Hanks, Geoffrey W. C.	Oxford textbook of palliative medicine	Oxford	2010	9780199693146
	Fallon, Marie	ABC of Palliative Care	Wiley-Blackwell	2006	9781405130790
	Recommended Textbooks/Reading:				
	Authors	Title	Publisher	Year	ISBN
	Merritt, H. Houston	Merritt's neurology 12th ed.	Lippincott, Williams & Wilkins.	2010	9780781791861
	Jackson, Timothy L.	Moorfields manual of ophthalmology	Mosby Elsevier	2008	9781416025726
Quill, Timothy E.	Palliative care ethics	Oxford	2014	9780199316670	
Assessment	Final year exam and final year OSCE.				
Language	English				