

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 Lead: Prof Theodoros Kyriakides						
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 four 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 four weeks working primarily with patients with gastrointestinal disorders, including liver and pancreas. 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 gastrointestinal disorders.</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 disorders of the respiratory system and breast. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating the gastrointestinal tract. They will also spend time in theatre observing gastrointestinal surgery.</p>						
Learning Outcomes	<p>After completion of the course students are expected to 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 						

	<p>complaint and to interpret the results from such tests</p> <p>5. Prepare a treatment management plan for the patient to present to the responsible clinician to include medical, pharmacological, surgical options as appropriate 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</p> <p>7. Define palliative care and summarise what is included in an integrated care pathway for terminally ill patients and their families</p> <p>6. Visit a hospice for the terminally ill</p>														
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	<p>Required Textbooks / Reading:</p> <table border="1" data-bbox="407 1686 1507 1745"> <thead> <tr> <th data-bbox="407 1686 651 1745">Title</th> <th data-bbox="651 1686 894 1745">Author(s)</th> <th data-bbox="894 1686 1138 1745">Publisher</th> <th data-bbox="1138 1686 1252 1745">Year</th> <th data-bbox="1252 1686 1507 1745">ISBN</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Title	Author(s)	Publisher	Year	ISBN					
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Umesh Vivekananda, Mahinda Yogarajah, Shreelata T Datta, Philip Xiu	Crash Course Neurology, 5th ed	Elsevier	2018	9780702073854
Jenny Ross	Crash Course Nervous System, 4 th ed.	Mosby Ltd	2015	9780723438571
Paul Johns	Clinical Neuroscience, 1 st ed.	Churchill Livingstone	2014	9780443103216
James M. Ritter, Rod J. Flower, Graeme Henderson, Yoon Kong Loke, David MacEwan, Emma Robinson, James Fullerton	Rang & Dale's Pharmacology, 10 th ed.	Elsevier	2024	9780323873956

Recommended Textbooks / Reading:

Title	Author(s)	Publisher	Year	ISBN
Samuels, M.A and Ropper, A. H	Samuels Manual of Neurologic Therapeutics, 9 th ed.	Lippincott Williams and Wilkins	2017	9781496360311
Nathan I. Cherny, Marie T. Fallon, Stein Kaasa, Russell K. Portenoy, David C. Curoow	Oxford textbook of palliative medicine, 6 th ed.	Oxford	2024	9780198900597
Fallon, Marie	ABC of Palliative Care, 2 nd ed.	Wiley-Blackwell	2006	9781405130790
Quill, Timothy E.	Palliative care and ethics, 1 st ed.	Oxford	2014	9780199316670

	Jackson, Timothy L.	Moorfields manual of ophthalmology, 3 rd ed.	JP Medical	2019	9781909836945
	Merritt, H. Houston	Merritt's neurology, 14 th ed.	Lippincott, Williams & Wilkins	2021	9781975141226
	Lindsay, K. & Bone, I.	Neurology & neurosurgery Illustrated, 5 th ed.	Churchill Livingstone	2010	9780443069574
	Fuller, G. & Manford, M.,	Neurology: an illustrated colour text, 3 rd ed.	Churchill Livingstone	2010	9780702032240
Assessment	Final year exam and final year OSCE				
Language	English				