

Course title	Clinical Specialties: Neurology (Neurology, Neurosurgery and Palliative Care), ENT, Ophthalmology			
Course code	GEMD-401			
Course type	Required			
Level	Undergraduate			
Year / Semester	Year 4 / Semester 7/8 (rotation)			
Course Lead	Professor Joseph Joseph Chair, Clinical Education			
ECTS	60	Teaching Periods per Week		
		Large Group Learning	Small Group Learning	Clinical Practice
		3	1	36
Course purpose and objectives	<p>The main objectives of the last two years of the Medicine 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 three 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, ear, nose & throat (ENT) and eye 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, ENT or eye 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, ENT and eye disorders. The students will gain a basic understanding of the application and type of information to be obtained from different methods for investigating neurological, ENT and eye disorders, including learning to use instruments for the assessment of ENT and eye disorders. They will also spend time in theatre observing neurosurgical, ENT and eye 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 or a condition affecting the ear, nose, throat or eye, in a sensitive and caring manner 			

	<ol style="list-style-type: none"> 2. carry out a sensitive physical examination as part of investigation of the presenting complaint including use of the basic instruments for ENT and eye examination such as otoscope and hand-held ophthalmoscope. 3. discuss a differential diagnosis for the presenting complaint 4. apply their knowledge of basic and clinical science to identify and explain appropriate investigations, including blood, urine and CSF tests, tests using electrodes, and imaging, cytology and biopsy to assist in the diagnosis of the presenting complaint and to interpret the results from such tests 5. prepare and explain 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, medical and surgical procedures relating to patients with neurological, ENT or eye conditions, 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. Prescribe medications to treat patients with neurological disorders and in palliative care, and make appropriate therapeutic/management decisions. 		
Prerequisites	None	Required	None
Course content	<p>Common presentations affecting the neurological system, ear, nose and throat, and eyes including:</p> <ul style="list-style-type: none"> • Headache • Cerebrovascular disease • Blackouts, seizures and epilepsy • Movement disorders • Demyelinating conditions • Meningitis and other intracranial infections • Brain tumours and ENT tumours • Muscle disease and myasthenia gravis • Cranial nerve palsies • Hearing loss and other conditions relating to the ear • Disorders relating to the nose and sinuses • Throat disorders • Disorders affecting the voice • Disorders affecting the eye, including conjunctivitis, cataracts, glaucoma and retinopathy • Ophthalmological emergencies • Terminal Care issues including euthanasia 		

Teaching methodology	The course is delivered by clinical placements, lectures, tutorials, case studies and group discussions.					
Bibliography	Required Textbooks/Reading:					
	Authors	Title	Edition	Publisher	Year	ISBN
	Lindsay, K. & Bone I	Neurology & neurosurgery illustrated	5 th	Churchill Livingstone	2010	9780443069574
	Fuller, G. & Manford, M.	Neurology: an illustrated colour text	3 rd	Churchill Livingstone	2010	9780702032240
	Cherny N Fallon M, Kasasa S Portenoy RK Currow D.	Oxford textbook of palliative medicine	6 th	Oxford	2024	9780198900597
	Fallon, Marie Hanks G	ABC Palliative Care	2 nd	Wiley-Blackwell	2006	9781405130790
	Corbridge, R Steventon N	Oxford handbook of ENT and head and neck surgery	3 rd	Oxford	2020	978019872331
	Riordan-Eva, Paul	Vaughan & Asbury's general ophthalmology	19 th	McGraw-Hill	2017	9780071843539
	Joint Formulary Committee	http://bestpractice.bmj.com/drugs	Latest	BMJ Group and Pharmaceutical Press	Current Year	
	National Institute for Health and Clinical Excellence	https://www.nice.org.uk/guidance	Latest		Current Year	
	Recommended Textbooks/Reading:					
	Authors	Title	Edition	Publisher	Year	ISBN
	Lewis ED Mayer SA Noble JM	Merritt's neurology	14 th	Lippincott, Williams & Wilkins.	2021	9781975141226 E-book
	Jackson Timothy L	Moorfields Manual of Ophthalmology	3 rd	JP Medical Ltd	2019	9781909836945
	Batterbury M Murphy C	Ophthalmology: An illustrated Colour Text	4 th	Churchill Livingstone	2019	97800702075025
For more information on accessing the British National Formulary (BNF) please see						

	the library guide Health Research Basics Additional information can also be found in the library guides: Clinical Placement Support Resources & Health Library Student Well-being Resources
Assessment	End of year exam and end of year OSCE. The written assessment will be Single Best Answer MCQs and Short Answer Questions. Workplace based assessments will take place during the attachment.
Language	English