

CORE 22222- Neurology 1

Status	Core
No of Hours	30 hours
No of Credits	2
Learning Outcomes	<ul style="list-style-type: none"> • Give an overview of the main types of neuropathology and show awareness of the areas which investigated by a neurologist. • Explain the basic neural structure involved in the control of speech and hearing mechanism • Show understanding of the causes and effects of Stroke, Parkinsons, MND, tumours and dementia • Describe the neurological basis of aphasia, dysarthria and dysphonia • Demonstrate understanding of the principle types of epilepsy and say how this may affect an individual's skills and behaviours. • Understand the consequences of trauma to the central nervous system due to road traffic accidents and neurological infectious disease
Methods of Teaching and Learning	Lectures
Module content	<p>Unit 1. Pathology of CNS disorders</p> <ul style="list-style-type: none"> • Introduction to Pathology • Acute Inflammation • Chronic Inflammation • Wound healing & repair • Tumor pathology • Hemodynamic derangement <p>Unit 2. Infections – Meningitis, encephalitis</p> <p>Unit 3. Cerebrovascular diseases</p> <ul style="list-style-type: none"> • Ischemic brain damage • Hypoxic ischemic encephalopathy • Cerebral infarction • Intracranial hemorrhage • Subarachnoid hemorrhage <p>Unit 4. Neurological basis of aphasia, dysarthria and dysphonia.</p> <p>Unit 5. Demyelinating diseases</p> <ul style="list-style-type: none"> • Multiple sclerosis • Perivenous encephalomyelitis <p>Unit 6. Degenerative, metabolic and nutritional disorders</p> <ul style="list-style-type: none"> • Alzheimer's disease • Parkinsonism • Metabolic – Hereditary and acquired - Neuronal storage disorder, Wilson's disease, Phenylketoneuria • Nutritional – Wernicke's encephalopathy, pellagra, alcoholic cerebellar degeneration. <p>Unit 7. Epilepsy</p> <p>Unit 8. Trauma to the CNS</p>

	<ul style="list-style-type: none"> • Subdural haematoma • Epidural haematoma • Parenchymal brain damages <p>Unit 9. Tumors of the CNS</p> <ul style="list-style-type: none"> • Gliomas • Embryonic tumors of meninges <p>Unit 10. Tumors of the PNS</p> <ul style="list-style-type: none"> • Nerve sheath tumors – Schwannoma, neurofibroma, von Recklinhausen’s disease, malignant peripheral nerve sheath tumors <p>Unit 11. Psychiatric disorders</p> <p>Unit 12. Multi-disciplinary team management</p> <ul style="list-style-type: none"> • Multi-disciplinary team management • Role of the neurologist in multidisciplinary management of neurological conditions. • Role of the SLT and Audiologist in multidisciplinary management of neurological conditions • Other professionals involved • Referral process
Assessment	Exam 100%