

SLTH 31352 Neurology 2- Acquired Neurological disorders

Status	Optional (SLT)
No of Hours	30 hours
No of Credits	2
Learning Outcomes	<ul style="list-style-type: none"> • Describe the neurophysiological , neuroanatomical and neurochemical basis of language, speech and swallowing • Describe the neuropathology of developmental and acquired speech, language and swallowing disorders in children and adults • Discuss the diagnostic procedures of neurological communication disorders • Understand the concept of degenerative disorders and effect of aging • Discuss methods of early screening and preventive measures of neurological communication and swallowing disorders • Discuss the multidisciplinary management options and interventional models for adults and children with neurological communication disorders
Method of Teaching and Learning	Lectures and Practical
Module Content	<p>Unit 1. Neurophysiology for speech, language and swallowing</p> <ul style="list-style-type: none"> • Neuroanatomical, neurophysiologic and neurochemical correlates for language function • Neuroanatomical and physiological correlation for speech and swallowing mechanism • Patterns of recovering and neuroplasticity • Handedness and neurolinguistic processing in the brain • Neurolinguistic models and language processing models–connectionist, hierarchical, global, process and computational models. <p>Unit 2- Screening, identification and diagnosis of neurological communication and swallowing disorders in adults</p> <ul style="list-style-type: none"> • Causes, prevalence and symptoms of common neurological condition seen adults • Medical approach in diagnosing neurological communication disorders for adults with neurological communication disorders • Neuroimaging techniques and neurological examinations for adults with neurological communication disorders and swallowing • Current management options available in medical, rehabilitation and social settings for adults with communication disorders

	<ul style="list-style-type: none"> • Preventive and rehabilitation options available for adults with communication and swallowing disorders <p>Unit 3- Screening, identification and diagnosis of neurological communication and swallowing disorders in children</p> <ul style="list-style-type: none"> • Causes, prevalence and symptoms of common neurological condition seen children • Diagnostic approaches and measures of neurological communication disorders in children • Current management options available in medical , rehabilitation and educational settings for children with communication disorders • Preventive and rehabilitation options available for children with communication and swallowing disorders <p>Unit 4-Degenerative disorders and effect of aging</p> <ul style="list-style-type: none"> • Review of ageing and lifespan changes on speech , language and swallowing • Etiology, symptoms and classification for common degenerative disorders in children and adults • Effect of aging on the individual's neurological functioning • Communication and swallowing barriers which may occur with aging <p>Unit 5- Swallowing difficulties secondary to neurological impairments in children and adults</p> <ul style="list-style-type: none"> • Anatomy of swallowing and digestion • Physiological stages of swallowing • Involvement of nervous system in swallowing and digestion • Neuropathology of different types of dysphagia in children • Neuropathology of different types of dysphagia in adults
Assessment	Exam 100 %