

LESSON PLAN

Subject : Physiotherapy in Neurosciences
Class : BPT IV year
Class Incharge : Dr. Kedar Sule (PT)
Subject Teacher : Dr Preeti Gazbare , Dr. Snehal Patel, Dr. Siddharth Mishra

Theory – 70 hrs + Clinical – 140 hrs= 210 Hours

Sr.No	Topic	No.of Lect.	Mode of teaching
1	Structure & function of Nervous system	2	Seminar
2	Neurological assessment: <ul style="list-style-type: none"> • Normal development • Cranial nerve • Sensory system • Motor system • Coordination • Reflexes 	5	Class demonstration/seminar
3	Cerebro vascular accidents: stroke <ul style="list-style-type: none"> • Introduction • Pathophysiology • Types • Clinical features • Impairments • Scales • Management 	8	PPT
4	Hydrocephalus <ul style="list-style-type: none"> • Clinical features • Management 	2	PPT
5	Spina bifida & Management	2	PPT
6	Assessment and Management of Neurological Gait	1	PPT
7	Theories of motor control and Motor learning	2	Chalk & board
8	Principles of application of therapeutic skills- <ul style="list-style-type: none"> • PNF • NDT, Brunnstrom • Roods approaches 	3	Chalk & board Demonstration
9	Cerebral palsy <ul style="list-style-type: none"> • Introduction 	6	PPT

	<ul style="list-style-type: none"> • Types • Pathophysiology • Clinical feature • Management 		
10	Spinal cord: <ul style="list-style-type: none"> • Spinal cord injury • Syringomyelia • Transverse myelitis • Spinal dysraphism • Management 	5	PPT and chalk board
11	Muscular dystrophy <ul style="list-style-type: none"> • DMD • Management 	3	Chalk board
12	Lesions of Extra-pyramidal system & Basal ganglia –Parkinsonism	3	PPT Chalk board
13	Polyneuropathy: GBS, Diabetic and alcoholic neuropathy	3	Chalk board
14	Cognition and perception disorder	2	PPT
15	Neuro-muscular junction disorders – Mysathesia Gravis	1	PPT
16	Disorder of peripheral nerve <ul style="list-style-type: none"> • Classification • Brachial plexus injury • Lowerlimb nerve injury • Management 	5	PPT and chalk board
17	EMG and NCV	2	
18	Congenital & Degenerative disorders- <ul style="list-style-type: none"> • M.N.D., S.M.A • Hereditary Ataxia, Peroneal muscle atrophy 	2	PPT
19	Traumatic head injury <ul style="list-style-type: none"> • Introduction • Pathophysiology • Sign & symptom • Management 	6	PPT
20	Demyelinating diseases of NS <ul style="list-style-type: none"> • Multiple sclerosis • ALS 	3	PPT and Chalk board

21	Infections of nervous system: <ul style="list-style-type: none"> • Meningitis, Encephalitis • Neurosyphilis, Tabes dorsalis • Leprosy, Poliomyelitis 	4	PPT Chalk & board
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Total Lecture scheduled =70 hrs

Total Practicals/Clinicals scheduled =140hrs (at clinical posting)

Total =210hrs

Total Tutorials scheduled =10hrs

Doubt clearing sessions =15hr