

Name of Block	Block 1
Name of Elective	Anatomical basis of neurological examination of the patient.
Location of hospital Lab or research facility	Department of Anatomy
Name of internal preceptor (s)	Dr. Sonia Singh
Name of external preceptor (if applicable)	-
Learning objectives of elective	a. Describe the neuroanatomy of motor and sensory pathways involved in voluntary motor activity. b. Perform sensory neurological examination on simulated patient c. Demonstrate motor reflexes on a simulated patient. d. Correlate the site of neurological lesion with signs and symptoms in a patient of stroke (case scenarios)
Number of students that can be accommodated in this elective	4
Pre-requisites for elective	Knowledge of i. Anatomy of tracts in spinal cord ii. Anatomy of motor and sensory pathways in brain.
Learning resources for students	Departmental books provided
List of activities of student participation	a. Perform sensory neurological examination on a simulated patient. b. Draw a flow chart to describe the spinal tracts and CNS pathways involved in relay up to the sensory cortex of cerebrum for the following sensations:-Fine touch, Crude touch, Pain, Temperature, Pressure c. Draw a flowchart to describe the motor pathways involved in CNS. d. Elicit motor reflexes on a simulated patient.
Portfolio entries required	Complete log of daily activities with pictures
Logbook entry required	Certifiable competencies with grade 'M' or 'E'
Assessment	a. Attendance minimum 75% b. Completion of activities of elective posting c. Assessment of 100 marks which include formative and summative assessment (passing criteria 50%)
Other comments	

Logbook- *cum*- Portfolio

Elective Module: Anatomical basis of neurological examination of the patient.

Anatomical basis of neurological examination of the patient.

Neuroanatomy is the study of the structural organization of the nervous system. It involves study of the relationship between function and microscopic as well as macroscopic structures in the nervous system. The nervous system consists of central nervous system (CNS) and peripheral nervous system (PNS). CNS comprises of brain and spinal cord while the PNS comprises spinal and cranial nerves, that branch throughout the body and communicate back to the CNS.

This module will enable students to correlate the signs and symptoms of patients with site of neurological lesions. The students will perform sensory neurological examination on simulated patient. They will also elicit motor reflexes on a simulated patient. Learning activities of the electives will include making flow charts, memory maps or concept maps of the sensory and motor pathways of the human body. Assessment will focus on complete log of daily activities.

Logbook- *cum*- Portfolio

Elective Module: Anatomical basis of neurological examination of the patient.