**Al Balqa Applied University**

**Collage of Medicine**

**Anatomy Lab Check List**

**Block: Nervous System and Special Senses (31500311)**

**Lab Title: Histology of Nervous System**

**Lab Objectives:**

* Identify the major histological features of the nervous system.

**Histology of NS**

* Neurons
  + Types
    - Unipolar
    - Bipolar
    - Multipolar
  + Parts
    - Cell body
      * Nissl bodies
    - Dendrites
    - Axon
      * Axon hillock
* Neuroglia
  + Oligodendrocyte
  + Astrocyte
  + Microglia
  + Ependymal cells
  + Satellite cells
  + Schwann cell
* Nerves
  + Myelinated Vs Unmyelinated fibers
  + Epineurium
  + Perineurium
  + Endoneurium
  + Fascicle
* CNS
  + Gray matter
  + White matter
* Layers of cerebral cortex
  + Molecular layer
  + Outer granular layer
  + Pyramidal cell layer
  + Inner granular layer
  + Ganglionic layer
  + Multiform cell layer
* Neuronal cells in cortex
  + Pyramidal cells
* Layers of Cerebellar cortex
  + Outer molecular layer
  + Central layer of large Purkinje cells
    - Purkinje cells
  + Inner granule layer
* Dorsal root (sensory) ganglia…..
* Autonomic ganglia…...
* Meninges
  + Dura mater
  + Arachnoid mater
  + Pia mater
* Meningeal Spaces
  + Subdural space
  + Subarachnoid space
* Histology Slides
  + Neurons smear
  + Spinal nerve
  + Cerebral cortex
  + Cerebellar cortex
  + Spinal ganglia
  + Autonomic ganglia