**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