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SYSTEMA NERVOSUM (NERVOUS SYSTEM) 3

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ANATOMICAL TERMINOLOGY : [Nervous-system](#)

- Communication network , nervous system , [Encephalon \(Brain\)](#)
 - Globe , [cerebrum](#), sphere
 - hemispheres , cerebral hemispheres , prosencephalon , forebrain
 - outer zone , cerebral cortex , telencephalon
 - sulci and gyrus
 - lobes
 - frontal , parietal , temporal , occipital
 - limbic lobes
 - Inner
 - subcortical nuclei
 - Diencephalon
 - [thalamus](#)
 - epithalamus
 - metathalamus
 - hypothalamus
 - [Basal ganglia](#)
- Stem , [BRAIN STEM](#) , pillar ,
 - More particular
 - [MESENCEPHALON; MIDBRAIN](#)
 - [RHOMBENCEPHALON; HINDBRAIN](#)
 - Metencephalon;
 - [Pons](#)
 - [Cerebellum](#)
 - [Myelencephalon; medulla oblongata; bulb](#)
 - More general
 - nuclei , grey matter ,
 - cranial [nerve](#) nuclei
 - [nerve](#) fibers , white matter ,
 - [CRANIAL NERVES](#)
 - 12 pairs
 - More complex
 - Reticular formation
- pillar , [Medulla spinalis \(spinal cord\)](#) , cord
 - segments
 - more particular
 - cervical
 - thoracic
 - lumbar
 - sacral
 - caudal
 - filum terminale
 - more general
 - inner row and columns
 - nuclei , relay station , synapse node
 - anterior/ventral

- intermediate
 - posterior/dorsal
 - outer row and columns
 - tracts , relay fibers
 - ascending tracts
 - descending tracts
 - each row
 - spinal **nerve**
 - afferent
 - collecting information
 - skin and sensory receptors
 - proprioceptors
 - efferent
 - giving information
 - muscles
 - autonomic **nerve** fibers
 - sympathetic
 - parasympathetic
 - glands , smooth **muscle**
 - reflex arc
 - more complex
 - segments joining to form
 - **NERVE PLEXUS**
 - cervical plexus
 - brachial plexus
 - lumbar plexus
 - sacral plexus
- crossing of fibers / **nerve** tracts
 - at level
 - spinal row
 - medulla row
- connecting **nerve** fibers
 - inside **brain**
 - projection fibers
 - thalamic radiation
 - commissural fibers
 - association fibers
 - inside spinal cord
 - interneurons
- columns or bundles of **nerve** fibers called by a **name**
 - White matter , white substance , information carrier
 - Funiculus
 - Tract
 - Fasciculus; fascicle
 - Commissure
 - Lemniscus
 - Decussation
 - Stria
 - Each **nerve** fiber has
 - **cell body**
 - axon

- Perikaryon
- The whole network is covered by
 - **MENINGES**



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