

SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES



Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai

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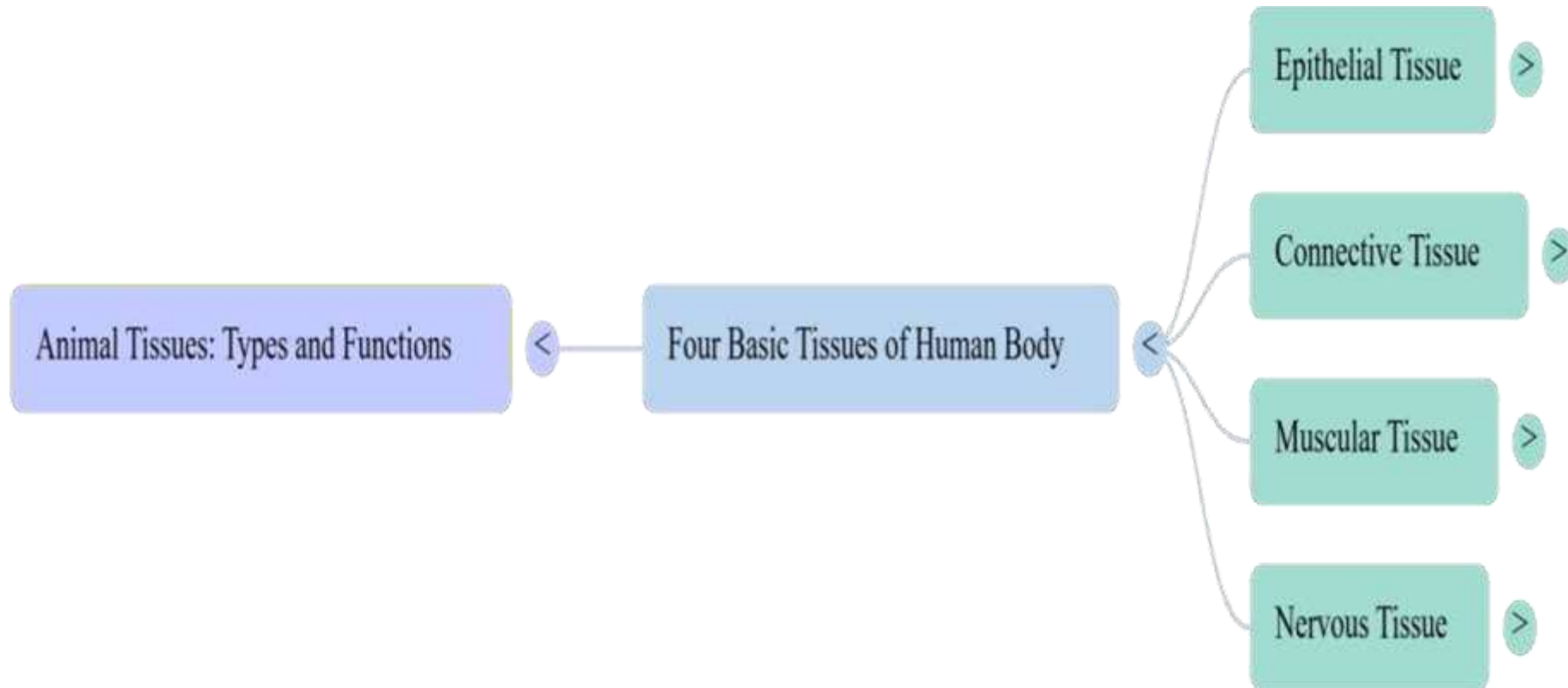
Coimbatore -641035

COURSE NAME : HUMAN ANATOMY AND PHYSIOLOGY (ER20-14T)

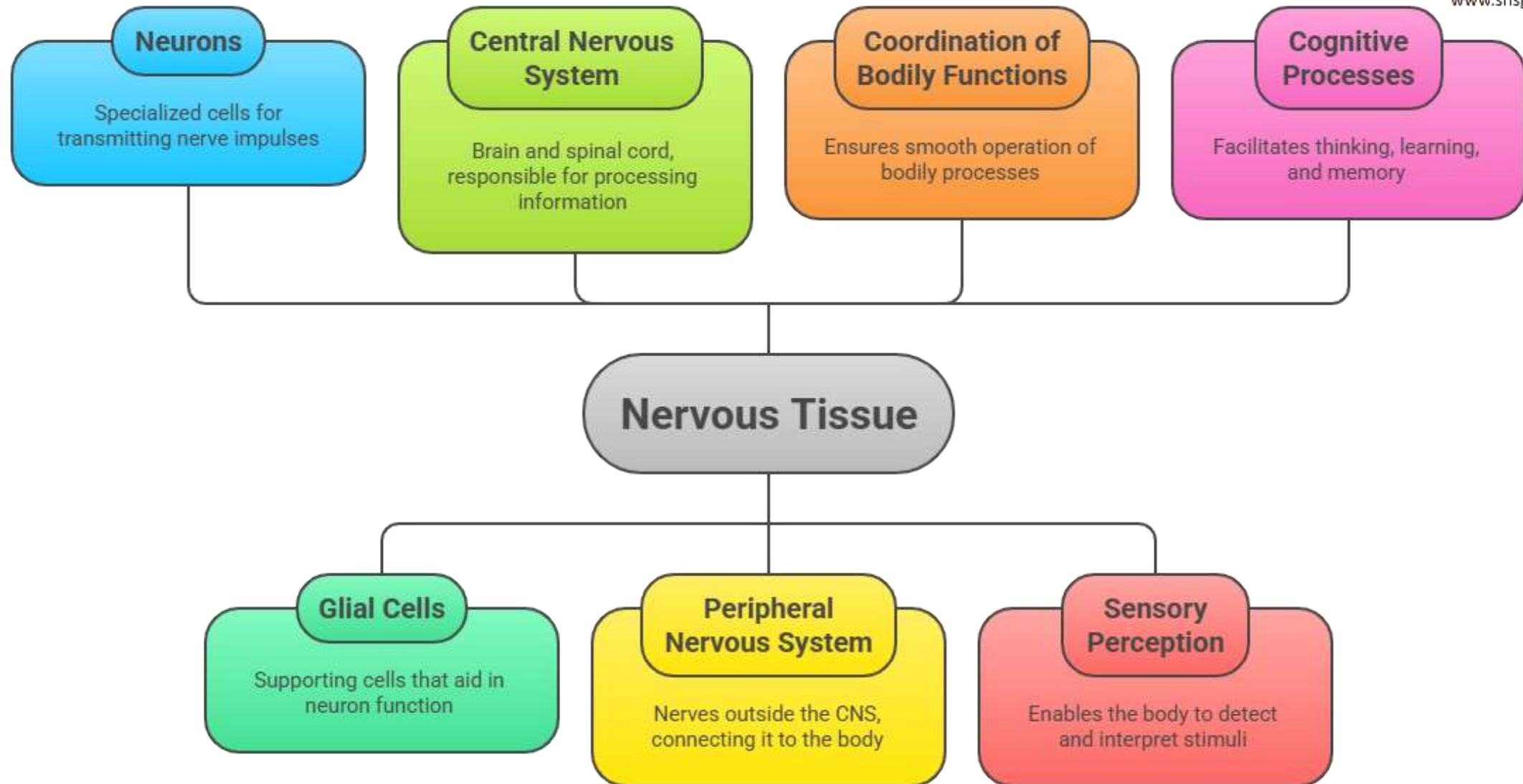
I D. PHARM

TOPIC 1 : NERVOUS TISSUE

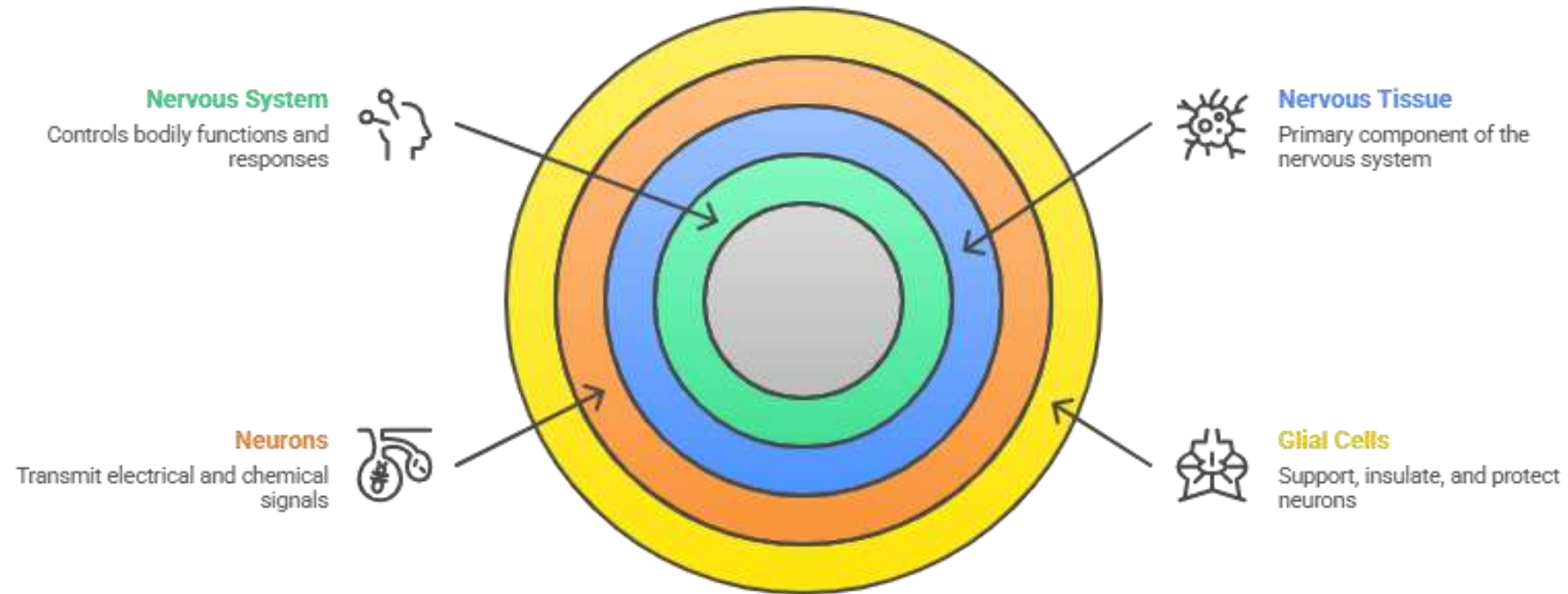
MINDMAP



Components and Functions of Nervous Tissue

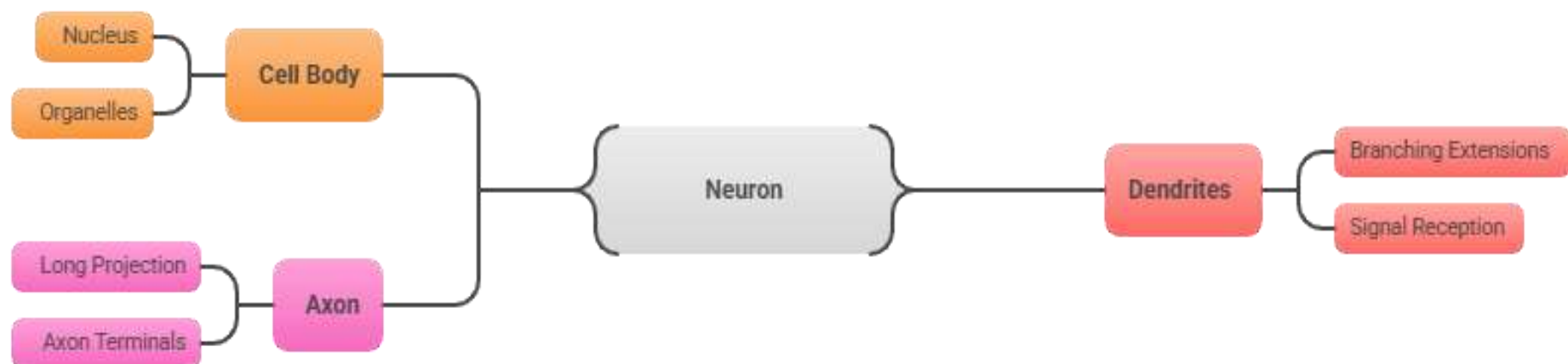


Nervous Tissue Composition and Function



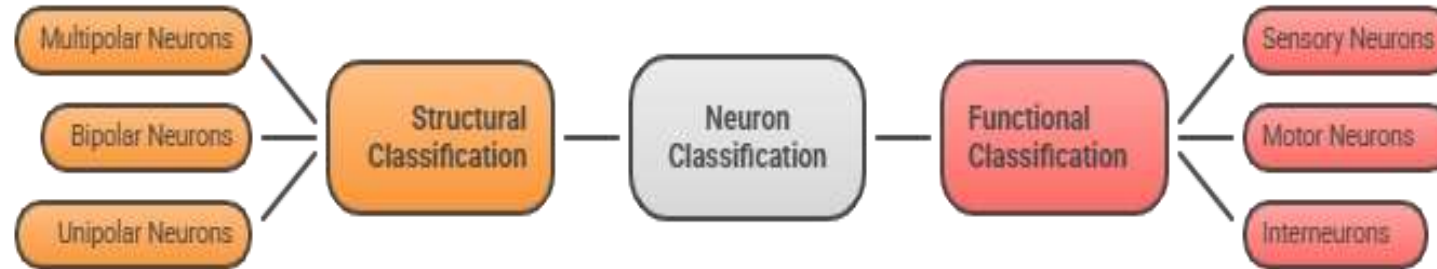
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Neuron Structure and Function



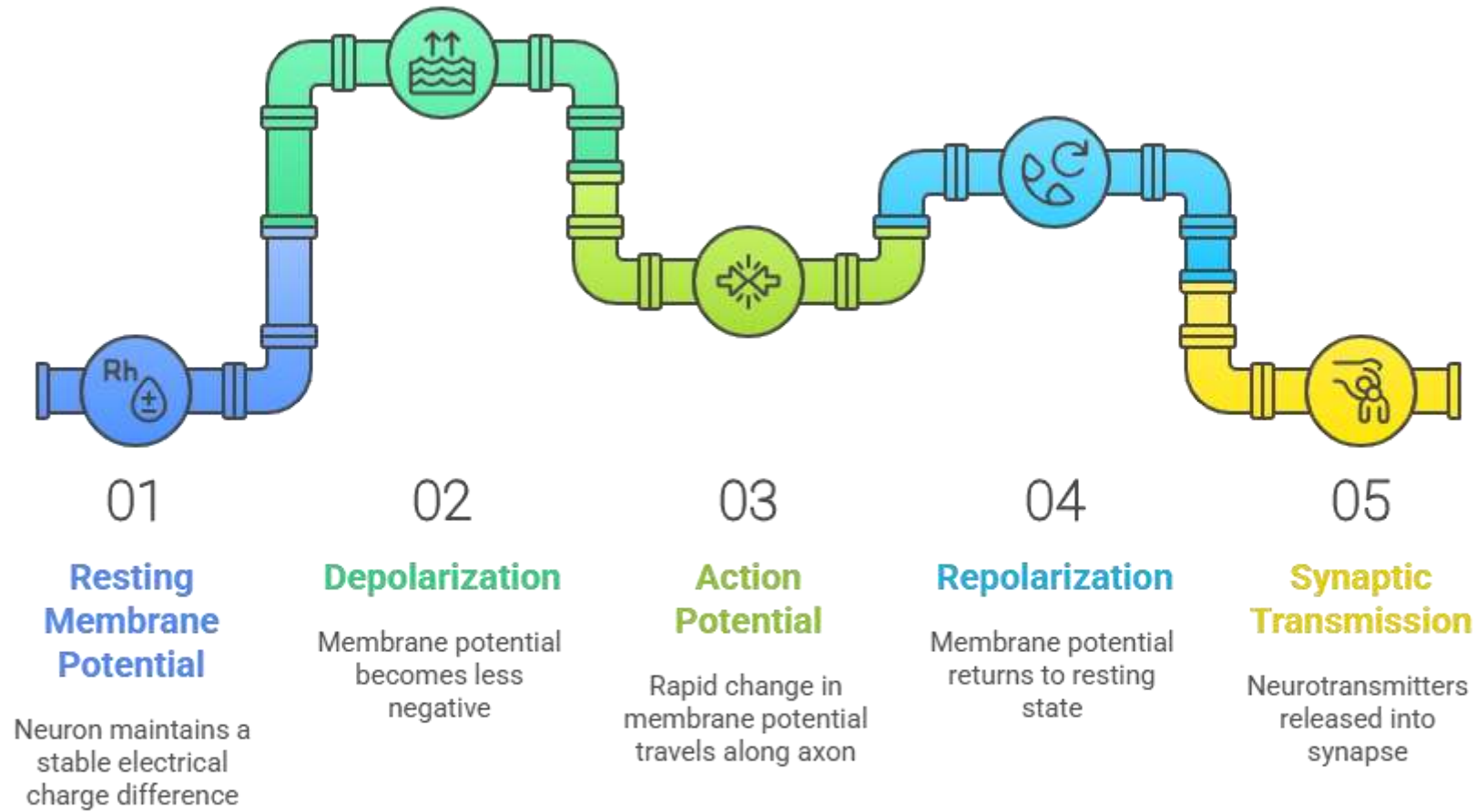
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Neuron Classification: Structure and Function



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Nerve Impulse Transmission Sequence



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Key Steps in Nerve Impulse Transmission



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Nervous Tissue Functions Hierarchy

Higher-Level Functions

Responsible for learning, memory, and consciousness

Homeostasis

Regulates stable internal body environment

Motor Output

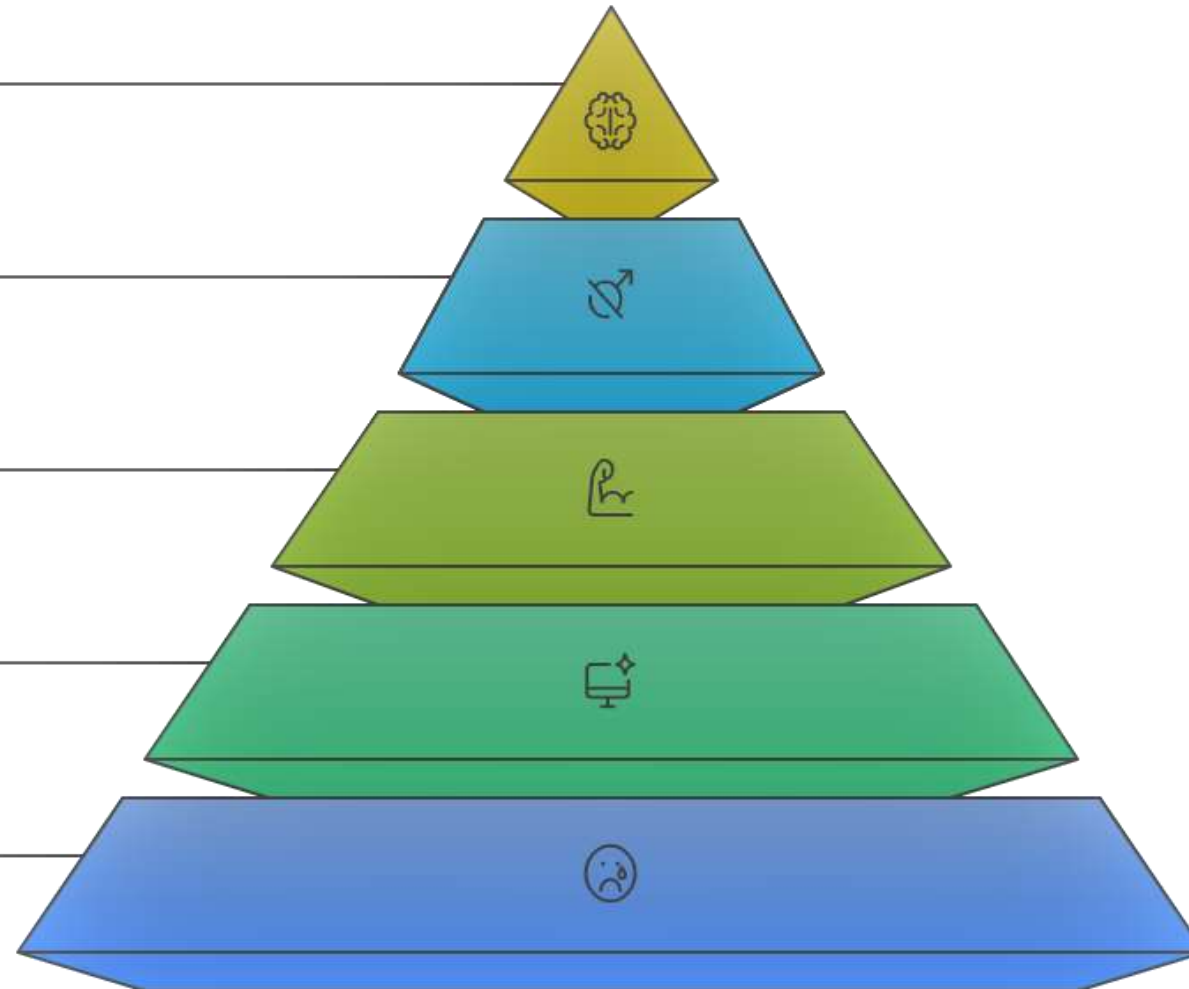
Transmits signals to muscles and glands

Information Processing

Processes sensory information and generates responses

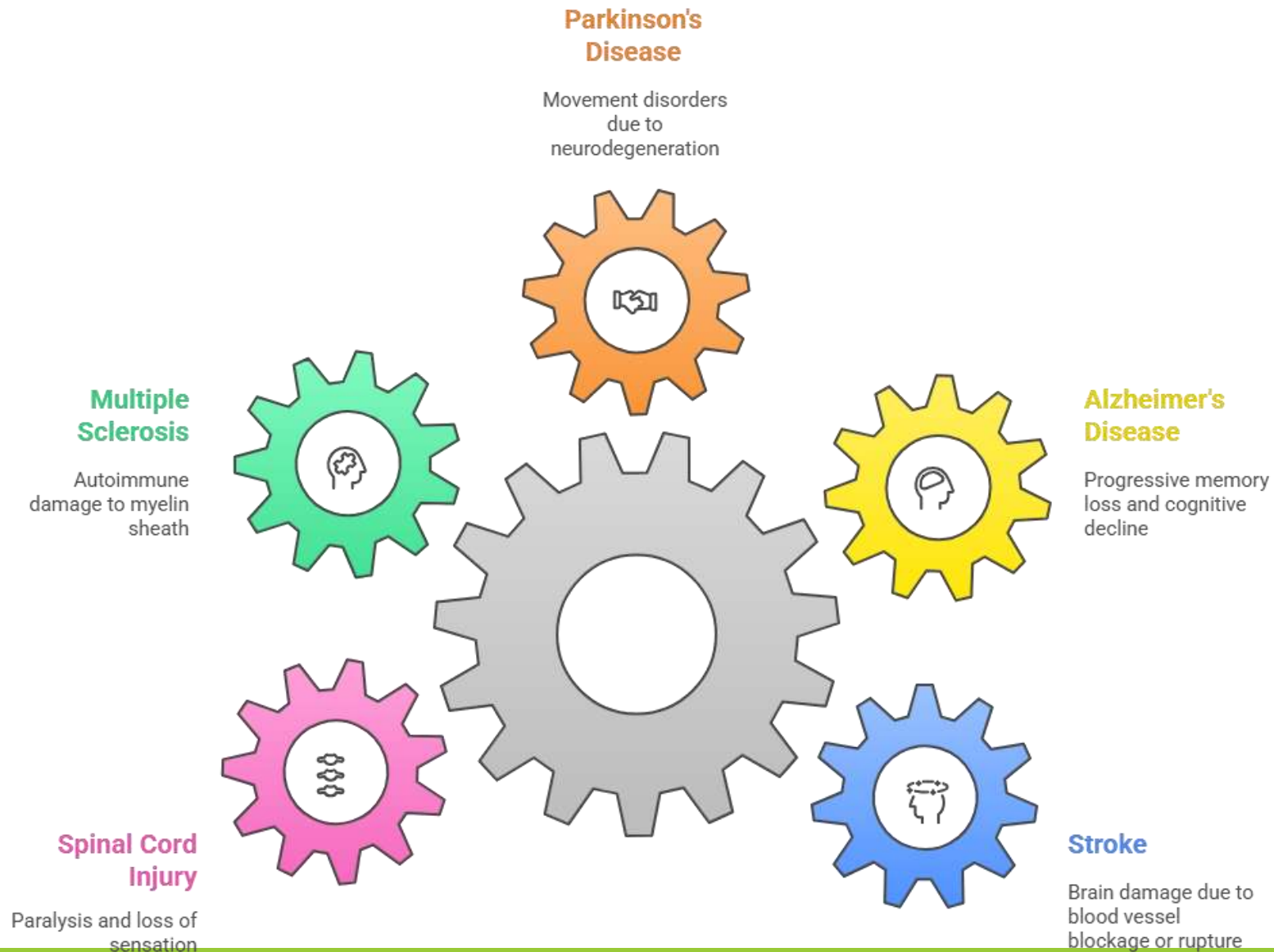
Sensory Input

Receives information from sensory receptors

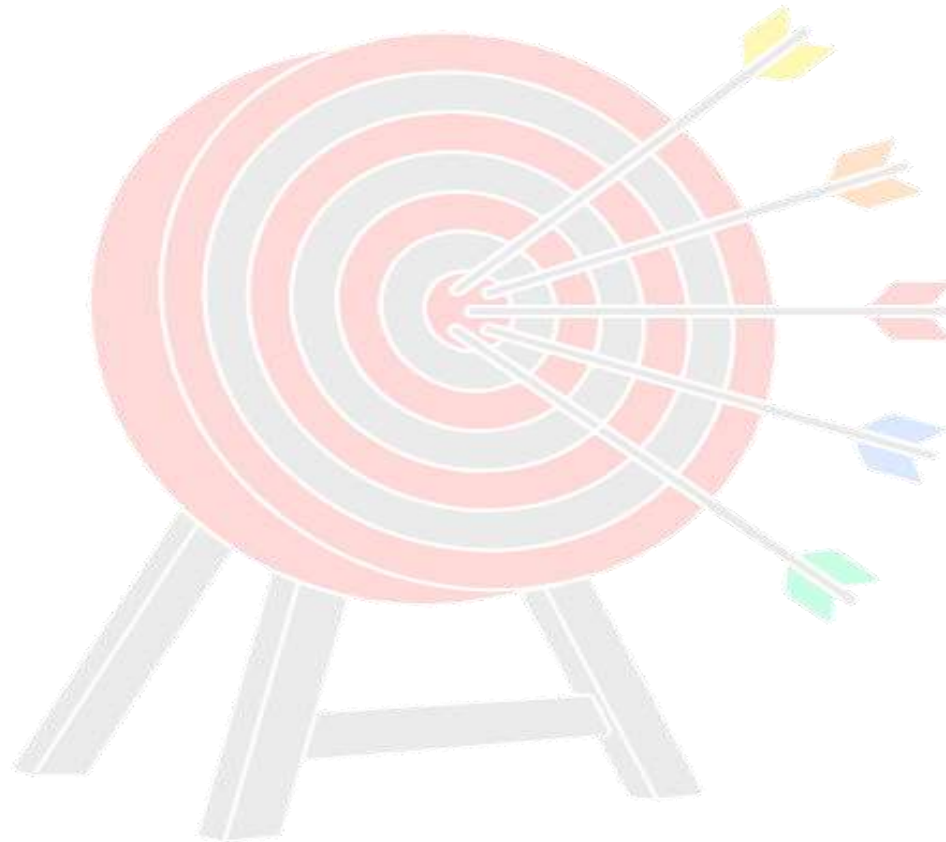


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Neurological Disorders



SUMMARY



Joint Disorders

Core conditions affecting joint function



Types of Disorders

Specific conditions like OA, RA, Gout



Causes

Factors leading to joint problems



Symptoms

Manifestations of joint issues



Diagnosis & Treatment

Methods for identifying and managing disorders

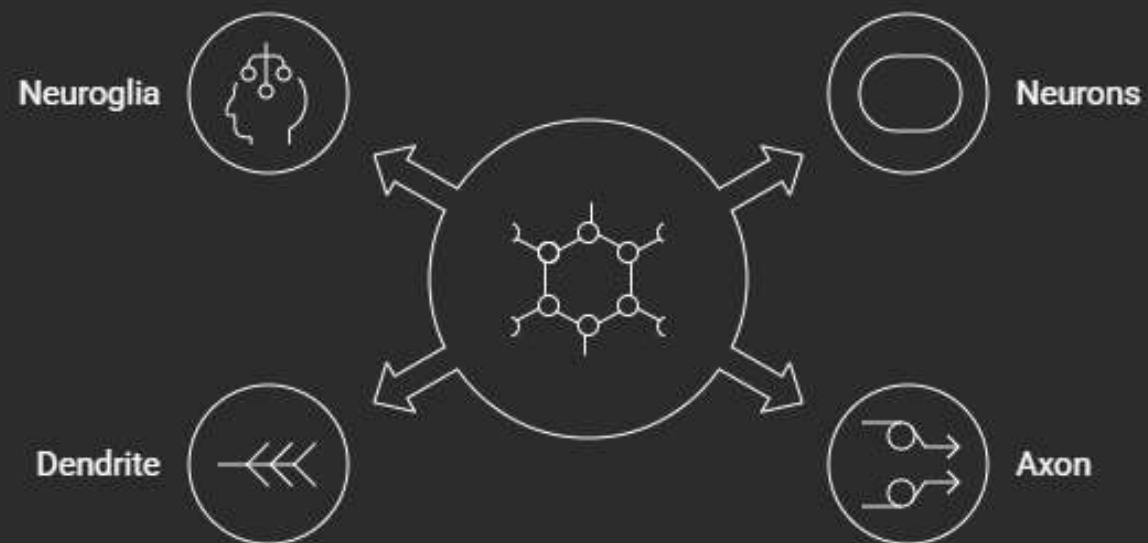
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ASSESSMENTS



1.The functional unit of the nervous system is the:

Nervous System Components

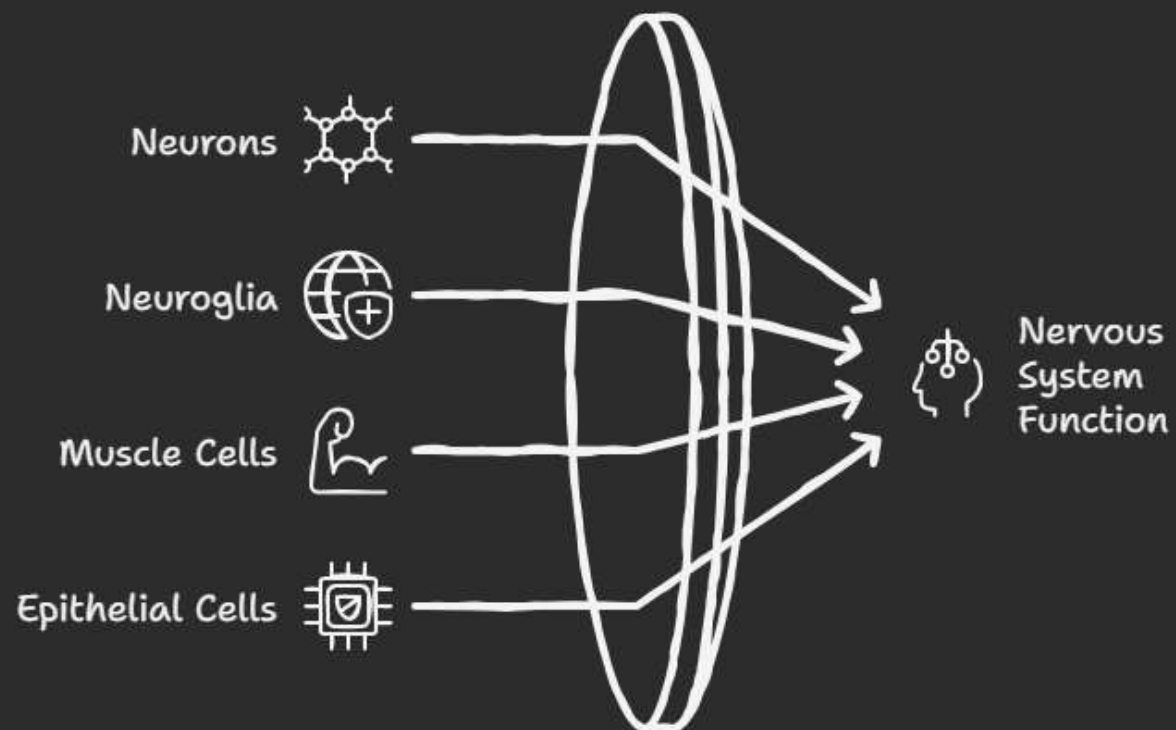


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2.The myelin sheath is formed by:



Cellular Harmony in the Nervous System

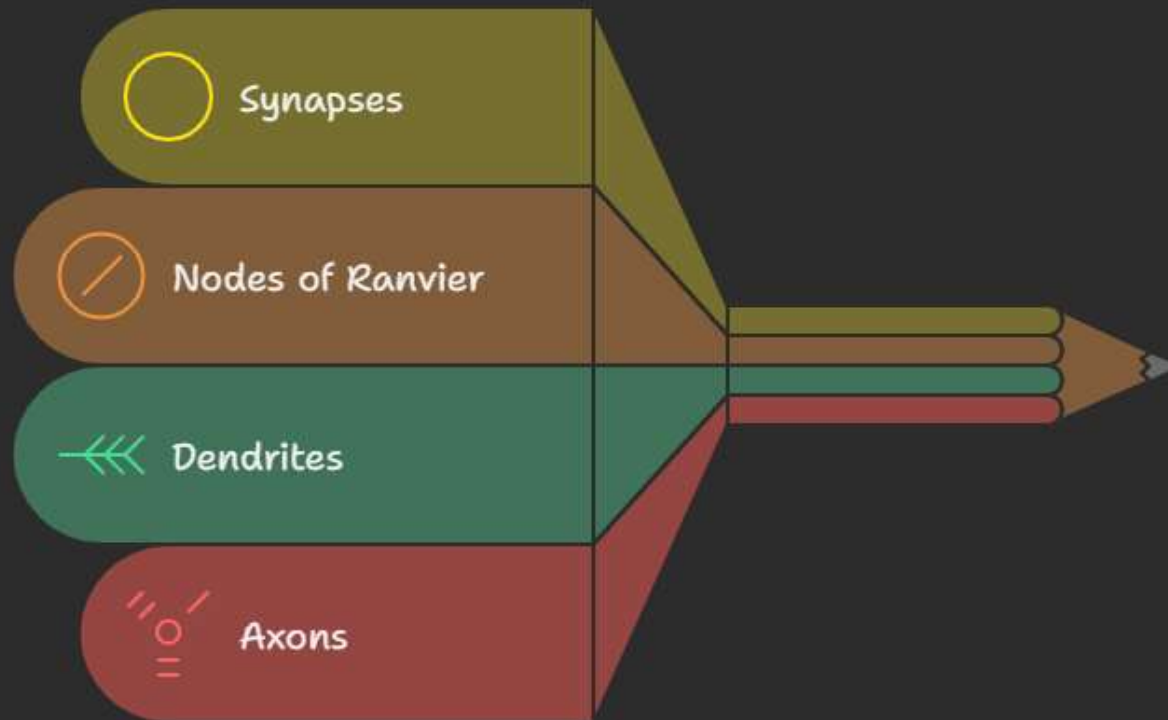


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3. The Neural signal pathway is

Pathways of Neural Signals



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REFERENCES

- 1..Hunter DJ, Bierma-Zeinstra S. Osteoarthritis. *Lancet*. 2019;393(10182):1745-59.
- 2.Smolen JS, Aletaha D, McInnes IB. Rheumatoid arthritis. *Lancet*. 2016;388(10055):2023-38.
- 3.Felson DT. Osteoarthritis as a disease of mechanics. *Osteoarthritis Cartilage*. 2013;21(1):10-5.
- 4.Neogi T. Clinical significance of bone changes in osteoarthritis. *Ther Adv Musculoskelet Dis*. 2012;4(4):259-67.
- 5.Briggs AM, Cross MJ, Hoy DG, et al. Musculoskeletal health conditions represent a global threat to healthy aging: a report for the 2015 World Report on Ageing and Health. *Gerontologist*. 2016;56(Suppl 2):S243-55.

Thank
you