

FUNCTIONAL NERVOUS SYSTEM MAP

Clinical Reference Overview

Central (CNS)

- **Brain** Processing & Control
- **Spinal Cord** Reflexes & Conduction
- **Cerebellum** Balance & Coordination
- **Brainstem** Autonomic Vital Signs

Peripheral (PNS)

- **Cranial Nerves** Head & Neck Sensory
- **Spinal Nerves** Trunk & Limb Signal
- **Somatic** Voluntary Movement
- **Autonomic** Involuntary Regulation

Sympathetic

- **Heart Rate** Acceleration
- **Pupils** Dilation (Mydriasis)
- **Digestion** Inhibition
- **Response** Fight or Flight

Parasympathetic

- **Heart Rate** Deceleration
- **Pupils** Constriction (Miosis)
- **Digestion** Stimulation
- **Response** Rest and Digest