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Re: LETTER OF BOOK CHAPTER ACCEPTANCE

Dear: Mr. Aditya Sharma (Co-Author)

On behalf of the Editors Book entitled “**Human Anatomy Physiology-I**” We are happy to inform you that your Chapter [**Peripheral Nervous System; Special Senses**] has been accepted and included for publication which will be ready by the end of December-2021 with ISBN: 987-1-68576-094-6 within Terms and Conditions accepted by the editors.

Thank you very much for your valuable contribution

Yours Sincerely

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Unit- 4

Peripheral Nervous System; Special Senses

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4.1. Peripheral Nervous System

Introduction

The peripheral nervous system (PNS) consists of all the nerves branching out of the brain and spinal cord (the central nervous system, CNS). If you imagine the CNS as the main highway, then the PNS forms all the connecting secondary roads. These allow electrical impulses to travel to and from the furthest regions, or periphery, of the human body.

The PNS is built almost entirely from nerves. There are two main types; spinal nerves and cranial nerves. Functionally, the PNS can be divided into the autonomic and somatic nervous systems. Both of these can be further subdivided; the former into sympathetic and parasympathetic arms and the latter into sensory and motor divisions.

Sympathetic Nervous System

The sympathetic nervous system is part of the autonomic nervous system, an extensive network of neurons that regulate the body's involuntary processes. Specifically, the sympathetic nervous system controls aspects of the body related to the flight-or-fight response, such as mobilizing fat reserves, increasing the heart rate, and releasing adrenaline.