

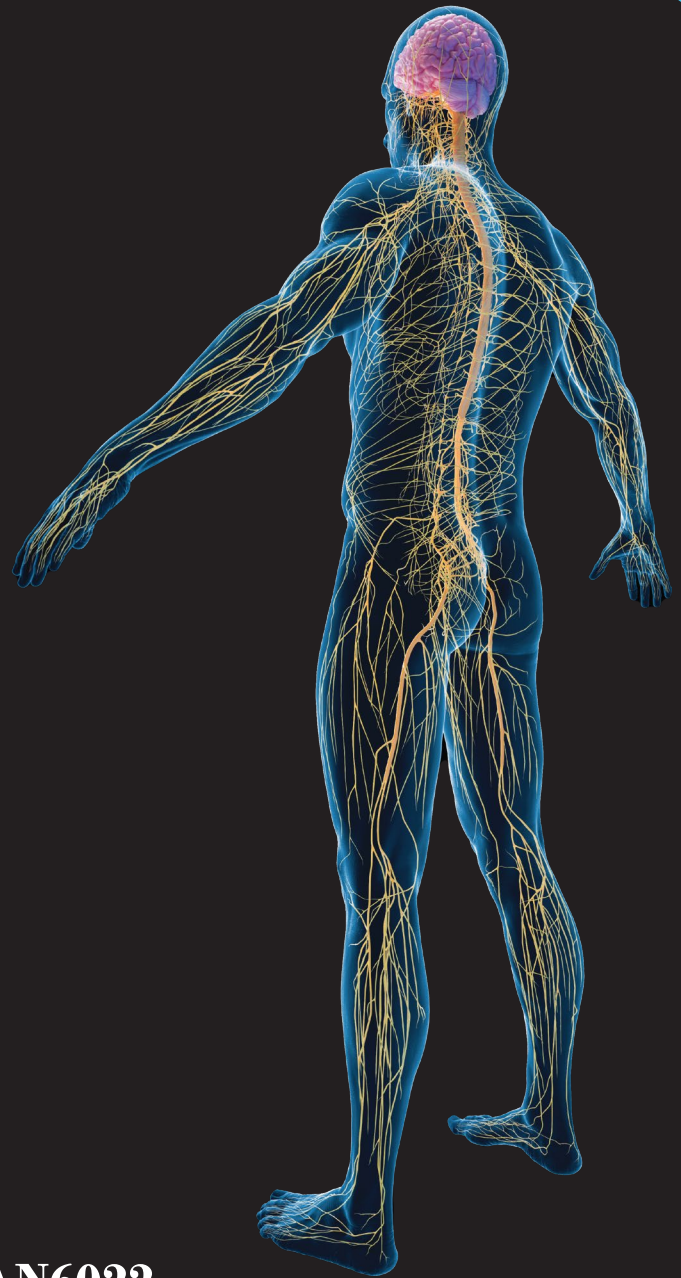
MODULE CONTENT

This module will detail the structural anatomy of the human nervous system. Areas of significance in this regard include: the structural biology of the skull, meninges, brain, spinal cord and vertebral column, neurovasculature structures. The main emphasis will be on identifying these neuroanatomical features as viewed through surgical windows.

LEARNING OUTCOMES

On successful completion of this module, students should be able to:

- Use appropriate anatomical terminology to describe neuroanatomical structures and their locations in the vertebral column and skull.
- Identify features on the surface of the brain and spinal cord.
- Identify important features of the central nervous system (CNS).
- Identify the neurovascular structures of the CNS.
- Describe the surgical access pathways to various neuroanatomical structures through surgical windows.
- Discuss the structure-function relationship of the CNS.
- Display critical thinking in the discussion of access to neuroanatomical structures in the context of the design and development of medical technologies



AN6022

Fundamentals of Neuroanatomy

MODULE GOAL

To enable learners develop an understanding of the fundamentals of structural anatomy of the human nervous system and the elements of the skeleton in which it lies.



TEACHING METHOD

20 hrs Online asynchronous activities
2 hrs Online synchronous activities
2 x 3hr Lab sessions

ASSESSMENT

E-activities: 4 x MCQ / SAQ quizzes (80 Marks)
Discussion Board(s): discussion to apply module content relevant to medical device design & development (20 Marks)