

The Nervous System

The screenshot shows the LabXchange library interface. At the top, there is a navigation bar with 'LabXchange', 'Explore', 'Library', and a search bar. The breadcrumb trail reads 'Library catalog > Textbook > Anatomy and Physiology'. The main content area features a card for 'Anatomy of the Nervous System' with 7 favorites and 53 views. The description states: 'This pathway provides an in-depth look at the embryologic perspective, the central nervous system, circulation & the central nervous system, and the peripheral nervous system. The pathway also provides vocabulary support for these topics, as well as opportunities for learners to self-assess their understanding by analyzing figures and answering questions.' Below the description is a 'Show less' link and an upload date of 'March 27, 2020'. Metadata includes: Subject: Physiology +1; Language: English; Background Knowledge: Some; License: Attribution (CC BY 4.0). To the right, an OpenStax logo indicates the content is from 'Anatomy and Physiology' with a 'View original textbook' button. At the bottom right of the card, there is an orange 'Start pathway' button.

Learning objectives

1. You will explain the relationship between the developmental processes of the embryonic nervous system and the adult structures.
2. You will name the major regions of the adult nervous system.
3. You will locate regions of the cerebral cortex on the basis of anatomical landmarks common to all human brains.
4. You will describe the regions of the spinal cord in cross-section.
5. You will list the cranial nerves in order of anatomical location and provide the central and peripheral connections.
6. You will list the spinal nerves by vertebral region and by which nerve plexus each supplies.