

MODULE 4 ASSIGNMENT: RESEARCH AND REPORT

OVERVIEW

How does the nervous system control the body? Through your exploration, discussion, and labs you have explored the muscles and nervous system that control the body. Now will be your chance to explain to a patient how it all works. You will prepare a diagram that traces sensory and motor pathways through the body. This will be a diagram or poster you could hang in your future medical office and use as a demonstration tool when talking to a patient. You will also address this patient's concern of a stroke using the diagram.

You should spend approximately 3.5 hours on this assignment.

INSTRUCTIONS

1. Prepare a diagram in Word, PowerPoint, or on poster. (If you prepare a poster, take a picture of the poster and upload the image to the dropbox.) The choice of how you create your diagram is up to you, but make sure it is clearly and appropriately labeled. The diagram should be detailed enough to communicate the sensory and motor pathways through the body.
 - Trace the sensory pathway from the receptors of the skin to the sensory area of the cerebrum.
 - Trace the motor pathway from the motor area of the cerebrum to the muscles.
 - Address the patient's concern: What is the anatomical foundation that explains why patients who have had strokes on the right side of the cerebrum have paralysis on the contralateral side of the body?
2. Include your diagram in the paper. Write an introduction describing your intention in creating the diagram, include verbiage in the body of your paper highlighting the important points of the diagram, and a conclusion summarizing the demonstration that you would present when using your diagram to explain the pathway and how it relates to your patient's concern.
3. All references must be cited using APA Style format. Please refer to the [CCCOOnline APA Citation Toolkit](#).
4. Remember, you can use the library research guides posted for you in the *Grading and Evaluation* section of the *Syllabus* module.
5. Submit your paper to the **Module 4 Assignment: Research and Report assignment folder**.

See the *Course Schedule* and *Course Rubrics* sections in the *Syllabus* module for due dates and grading information.