

## STUDY GUIDE

This guide is intended to help you direct your attention to material covered in class. If by error I have failed to include something on this guide that was covered in lecture, it does not mean it will not be on the test. All material on your Powerpoint handouts may be on your test. I have intended to make this guide comprehensive but it is NOT a *guide* to the questions on the test. Use it wisely.

### Study Guide Chapter 14 Spinal Nerves

1. What are the cervical and lumbar enlargements of the spinal cord?
2. Where is the cauda equina found?
3. How is gray matter different from white matter?
4. In what layers are the dura mater, arachnoid and pia mater found in the spine?
5. Where is the epidural space? Where is the subdural space?
6. What fills the arachnoid space?
7. What is a spinal tap? Where is it performed?
8. How many spinal nerves do we have? How many cervical, thoracic, lumbar, sacral and coccygeal?
9. What is the function of ventral roots? Function of dorsal roots?
10. Understand the arrangement of roots, nerves and rami.
11. What region do the dorsal and ventral rami supply?
12. What are the sensory and motor regions within the horns of the gray matter in the spine?
13. What is a dermatome?
14. What are the names of the layers of connective tissue surrounding a nerve?
15. What is a nerve plexus? Where are they found?
16. What spinal nerve from the cervical plexus did we learn?
17. What spinal nerves from the brachial plexus did we learn?
18. Which is the “funny bone” nerve? Which is the carpal tunnel nerve? Which is the nerve creating numbness after being held over someone’s shoulder for too long?
19. What spinal nerve from the lumbar plexus did we learn?
20. What is tight jean syndrome?
21. What plexus is the sciatic nerve part of?
22. What are the basic elements of a reflex arc?
23. Is the Spinothalamic tract ascending or descending? How do you know?