

PSIO 201 – Case study – Summer Session I 2009

Assignment #2 (Due, July 8 at the beginning of lab) – 25 points

- 1) Define the terms reflex and spinal reflex and identify the components of the reflex arc. What nerves are tested with the spinal reflexes listed in the neurological exam?
- 2) Define the terms neurological level, spinal nerve, paraplegia, tetraplegia, dermatome, myotome as they relate to spinal cord injuries.
- 3) Based on your knowledge of spinal cord injury and JH's neurological exam, what is the neurological level of his spinal cord injury? Explain each neurologic test and describe what is being tested and how the results indicate damage of a certain region of the spinal cord. For example, describe how each motor movement indicates damage or lack of damage at a certain level of the spinal cord and how the pin prick sensation in certain regions but not others relates to the neurologic level of injury.
- 4) Describe why the patient is experiencing fecal and urinary incontinence. Your answer should include the relevant systems and the parts of each system that have and have not been affected by the injury. Is there a treatment or solution for these conditions?

Requirements:

- 1) All assignments must be typed, double spaced and concise. Students should answer the questions fully but avoid repetition.
- 2) Students can work in groups but they need to turn in their own unique set of answers.
- 3) Late assignments will **NOT** be accepted for credit.
- 4) Case study assignments are sequential. If a student does not complete assignment #1, they cannot turn in assignment #2. However, students can turn in assignment #1 late (without getting credit for it) in order to be allowed to turn in the assignment #2.
- 5) Assignments should include credible references for your information. Resources such as Medline Plus, the CDC, and Mayo Clinic are examples of acceptable references