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## **Case Study Information**

The purpose of case studies is to provide the student with an opportunity to apply their knowledge of the gross anatomy of the musculoskeletal system in order to recognize and solve actual clinical problems relevant to the practice of Physical Therapy. There will be 2 types of case presentation formats. The first format involves presentation of a case in the dissecting laboratory. In this format, the students will be responsible for demonstrating the anatomy pertinent to the case to their classmates using their own dissections and, when necessary, prosected specimens. The second format involves an oral presentation in which the students will be responsible for presenting to their classmates the pertinent information in a lecture/seminar format. In either format, it will be the task of the presenting group to "teach" the material to their classmates. The non-presenting group(s) should be familiar with the case so that they are able to query the presenters.

The cases should be presented using the following format:

- **Presentation** - The background of the patient and chief complaint including symptoms experienced by the patient will be provided.
- **Demonstration** - The student should be able to demonstrate the relevant structures to the audience and be able to correlate the anatomy of the structures to the function(s) of each structure. In addition, the presenter should be able to relate the anatomy to the symptoms observed.
- **Activities** - The student will be instructed to answer questions and perform certain tests that are designed to help arrive at a diagnosis. These activities will help the student rule out certain types of problems while focusing their attention on possible solutions.

The case studies will be posted on the course website. It is assumed that all students will read the case studies prior to presentation in class. The students in the presenting group should work together to prepare their presentation. Presentations will take place on the scheduled date. The purpose of these presentations is to have the presenting group "teach" the rest of the class about the practical application of the relevant anatomy. The presentation should be in a lecture format and should include discussion, demonstration using models and/or diagrams. The rest of the class should be familiar with the case and the pertinent anatomy so that they can ask and respond to questions raised.

Students at a given table will be assigned to particular case. By the end of the course, each table should have presented one (1) laboratory demonstration case and one (1) oral presentation case. It is intended that the process of learning how to utilize and apply anatomical knowledge in a problem-solving format will help the entire class develop a solid foundation concerning the anatomical basis of function.