Multi-Disciplinary Approach to the Diagnosis Of Musculoskeletal Neoplasms
Mini-Elective
Spring 2013

Course Dates: January 17 and 31
Thursdays, 2:00-4:00 PM

Maximum Students: 2

Class Year: MS1

Course Director: Karen Schoedel, M.D.
Department of Pathology

Contact Information: Karen Schoedel, M.D.
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Course Details:
This course is composed of three two-hour sessions highlighting aspects of diagnostic musculoskeletal pathology, radiology, treatment planning and multidisciplinary integration. A tutorial covering selected musculoskeletal neoplasms will be available on Navigator for review. Otherwise, no specific assignments will be given for outside preparation.

Description:
This mini-elective is designed to provide a look at an integrated approach to the evaluation of musculoskeletal diseases, particularly bone and soft tissue neoplasms. Pathologic, radiologic and clinical aspects of musculoskeletal disease are highlighted. The course is intended for pre-clinical medical students who may have interests in radiology, pathology, surgery (general and orthopedic) and oncology.

Objectives:
• The students will understand basic clinical-radiographic and pathologic correlation as applied to musculoskeletal diseases.
• The students will learn basic radiographic and pathologic features of benign and malignant musculoskeletal tumors.
• The students will gain insight into the multidisciplinary decision making process.
• The students will appreciate the application of ancillary pathologic testing (such as immunohistochemistry and fluorescence in situ hybridization) in the diagnosis of musculoskeletal neoplasms.

Requirements:
None
Course Outline

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Location:
Various locations described in the course outline.

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Course Outline:

Session 1—
(UPMC Shadyside Pathology West Wing Ground Floor Signout Room)
Dr. Schoedel will discuss approach to bone and soft tissue neoplasms and clinical-pathologic-radiologic correlation in a lecture format. Following the lecture, the students and Dr. Schoedel will review museum specimens of neoplastic and non-neoplastic bone and soft tissue diseases.

Session 2—
(UPMC Shadyside Radiology 1st Floor Posner Tower)
The musculoskeletal radiologist on service will host the students (2 at a time) and facilitate introduction to basic radiologic principles as applied to musculoskeletal radiology. The students may observe a related interventional radiologic procedure as part of this experience.

Session 3—
(UPMC Shadyside Pathology West Wing Ground Floor Signout Room)
Using the multidisciplinary Sarcoma conference case material, pertinent findings and treatment plans will be discussed with the students. Review of on-line case material, glass slides and relevant ancillary testing will be included.