Multi-Disciplinary Approach to the Diagnosis
Of Musculoskeletal Neoplasms
Mini-Elective
Spring 2017

Course Dates: February 9, 16, 23
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 diagnosti-
colic musculoskeletal pathology, radiology, treatment planning and multi-
disciplinary integration. A tutorial covering selected musculoskeletal neo-
plasms will be available on Navigator for review. Otherwise, no specific assign-
ments 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 dis-
ease are highlighted. The course is intended for pre-clinical medical students
who may have interests in radiology, pathology, surgery (general and ortho-
pedic) and oncology.

Objectives:
- The students will understand basic clinical-radiographic and pathologic cor-
  relation 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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- The students will appreciate the application of ancillary pathologic testing (such as immunohistochemistry and fluorescence in situ hybridization) in the diagnosis of musculoskeletal neoplasms.

Course Outline:

Session 1— February 9, 2017
(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— February 16, 2017
(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— February 23, 2017
(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.