



University
of
Pittsburgh

School
of
Medicine

Office
of
Medical
Education

www.omed.pitt.edu

412.648.8714

Multi-Disciplinary Approach to the Diagnosis Of Musculoskeletal Neoplasms Mini-Elective Spring 2019

<u>Course Dates:</u>	January 8, 15, 22 Tuesdays, 2:00-4:00 PM
<u>Maximum Students:</u>	2
<u>Class Year:</u>	MS1
<u>Course Director:</u>	Karen Schoedel, M.D. Department of Pathology
<u>Contact Information:</u>	Karen Schoedel, M.D. Department of Pathology UPMC Presbyterian 412-647-3720 schoedelke@upmc.edu
<u>Registration:</u>	Betsy Nero, Office of Medical Education betsy@medschool.pitt.edu

Course Details:

This course is composed of three two-hour sessions highlighting aspects of diagnostic musculoskeletal pathology, radiology, treatment planning and multi-disciplinary 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

Multi-Disciplinary Approach to the Diagnosis of Musculoskeletal Neoplasms

Course Director:

Karen Schoedel, M.D.
Department of Pathology

Location:

Various locations described in the course outline.

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.

Course Outline:

Session 1— January 8, 2019

(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— January 15, 2019

(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— January 22, 2019

(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.