



University  
of  
Pittsburgh

School  
of  
Medicine

Office  
of  
Medical  
Education

[www.omed.pitt.edu](http://www.omed.pitt.edu)

412.648.8714

## Multi-Disciplinary Approach to the Diagnosis Of Musculoskeletal Neoplasms Personal Enrichment Course Spring 2021

Course Dates:

**MS1 options**

Jan 5 and 26 (2-4PM)

Feb 9 and 16 (2-4PM)

Mar 5 and 19 (2-4PM)

**MS2 option**

Feb 11 and 18 (2-4PM)

Maximum Students:

2 students per option

Course Director:

Karen Schoedel, M.D.  
Department of Pathology

Contact Information:

Karen Schoedel, M.D.  
Department of Pathology UPMC Presbyterian  
412-647-3720  
[schoedelke@upmc.edu](mailto:schoedelke@upmc.edu)

Registration:

Denise Downs, Office of Medical Education  
[ddowns@pitt.edu](mailto:ddowns@pitt.edu)

Course Details:

This course is composed of two 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:**

One Remote session, one in person session (location and links TBA by course director)

#### **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**

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**

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.