



# Professional Enrichment Course

University of Pittsburgh School of Medicine  
Office of Medical Education

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## Multi-Disciplinary Approach to the Diagnosis of Musculoskeletal Neoplasms

<b>Enrollment Period:</b>	Spring 2022
<b>Course Dates:</b>	<b>MS1 Options: Tuesdays Jan 11 and 25 Thursdays March 3 and 10</b>  <b>MS2 Options: Mondays Feb 7 and 28</b>
<b>Student Max:</b>	2 students per option
<b>Class Year:</b>	MS1, MS2
<b>Course Director:</b>	Karen Schoedel, M.D. Department of Pathology UPMC Presbyterian 412-647-3720 <a href="mailto:schoedelke@upmc.edu">schoedelke@upmc.edu</a>
<b>Course Contact:</b>	Karen Schoedel, M.D. <a href="mailto:schoedelke@upmc.edu">schoedelke@upmc.edu</a>
<b>Location:</b>	Session 1 Virtual (Teams); Session 2 at UPMC Shadyside West Wing Ground Floor Dept. of Pathology
<b>Registration:</b>	Via Amp Up – You will receive an email with enrollment info
<b>Course Description:</b>	<p>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.</p> <p>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.</p>

<b>Objectives:</b>	<ul style="list-style-type: none"> <li>• The students will understand basic clinical-radiographic and pathologic correlation as applied to musculoskeletal diseases.</li> <li>• The students will learn basic radiographic and pathologic features of benign and malignant musculoskeletal tumors.</li> <li>• The students will gain insight into the multidisciplinary decision making process.</li> <li>• The students will appreciate the application of ancillary pathologic testing (such as immunohistochemistry and fluorescence in situ hybridization) in the diagnosis of musculoskeletal neoplasms.</li> </ul>
<b>Pre-Requisites:</b>	None
<b>Requirements:</b>	None
<b>Texts:</b>	None

## **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 re-view 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.