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

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<th>Enrollment Period:</th>
<th>Spring 2022</th>
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| **Course Dates:** | **MS1 Options:** Tuesdays Jan 11 and 25  
Thursdays March 3 and 10  
**MS2 Options:** Mondays Feb 7 and 28 |
| **Student Max:** | 2 students per option |
| **Class Year:** | MS1, MS2 |
| **Course Director:** | Karen Schoedel, M.D.  
Department of Pathology UPMC Presbyterian  
412-647-3720  
schoedelke@upmc.edu |
| **Course Contact:** | Karen Schoedel, M.D.  
schoedelke@upmc.edu |
| **Location:** | Session 1 Virtual (Teams); Session 2 at UPMC Shadyside West Wing  
Ground Floor Dept. of Pathology |
| **Registration:** | Via Amp Up – You will receive an email with enrollment info |
| **Course Description:** | This course is composed of two two-hour sessions highlighting aspects of di-agnostic 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 assignments will be given for outside preparation.  
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 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.

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<th>Pre-Requisites:</th>
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<td>Requirements:</td>
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**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.