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# Orthopaedic Surgery Sports Medicine Mini-Elective Spring 2020

|                             |                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Course Dates:</u>        | February 3, 10, 17, 24, March 2, 9<br>Mondays, 3:00-5:00 PM                                                                                                            |
| <u>Maximum Students:</u>    | 50 Class                                                                                                                                                               |
| <u>Class Year:</u>          | MS1 and MS2                                                                                                                                                            |
| <u>Course Director:</u>     | Volker Musahl, MD<br>Professor of Orthopaedic Surgery<br>Associate Professor of Bioengineering<br>Associate Team Physician, University of Pittsburgh<br>Athletic Dept. |
| <u>Contact Information:</u> | UPMC Center for Sports Medicine<br>3200 S Water St.<br>Tel: 412-432-3618<br>Email: <a href="mailto:musahlv@upmc.edu">musahlv@upmc.edu</a>                              |
| <u>Registration:</u>        | Betsy Nero, Office of Medical Education<br><a href="mailto:betsy@medschool.pitt.edu">betsy@medschool.pitt.edu</a>                                                      |

## Description:

There will be 6 sessions in this mini-elective course which will run for 2 hours each. The goal of this course is to expose first and second year medical students to the clinical presentation, diagnostic work-up and treatment options for common injuries and pathologies in Orthopaedic Surgery Sports Medicine. Each session will cover a specific joint including the knee, shoulder, hip, hand/wrist, foot/ankle and spine. The surgical anatomy, common pathologic conditions and conservative versus surgical treatment options will be discussed. Radiologic images including x-rays and MRI's will be presented and participants will learn basic interpretation of these studies. Students will be required to review the anatomy and read the selections that will be provided prior to attending each class and be prepared to discuss. Sessions will include a short didactic portion and then will focus on case-based curricula. Cases will be presented, and students will be guided through the clinical decision making process for each condition, including history, physical exam, imaging choice and interpretation, and treatment options.

## Course Objectives:

- To review musculoskeletal anatomy of the knee, shoulder, hip, hand/wrist, foot/ankle and spine
- To learn common pathologies and injuries of the knee, shoulder, hip, hand/wrist, foot/ankle and spine
- To review the musculoskeletal physical exam
- To learn the appropriate work-up for injuries of various joints
- To learn to identify imaging findings of common pathologies of the joints
- To apply clinical decision-making for common pathologies of the joints.

## Requirements:

- Must attend all sessions.
- Required reading assignments before each session

## **COURSE OUTLINE**

### **Orthopaedic Surgery Sports Medicine, MS 1 and MS2**

#### **Course Director:**

Volker Musahl, MD  
Professor of Orthopaedic Surgery  
Division of Sports Medicine

#### **Faculty:**

John Fowler, MD  
Assistant Professor of Orthopaedic Surgery  
Division of Hand and Upper Extremity Surgery

MaCalus Hogan, MD  
Assistant Professor of Orthopaedic Surgery  
Division of Foot and Ankle Surgery  
Assistant Residency Program Director

Joon Lee, MD  
Associate Professor of Orthopaedic Surgery  
Division of Spinal Surgery

Bryson Lesniak, MD  
Associate Clinical Professor of Orthopaedic Surgery  
Division of Sports Medicine

Michael McClincy, MD  
Assistant Professor of Orthopaedic Surgery  
Division of Sports Medicine

#### **Location:**

**Scaife Hall Lecture Room 3—All Sessions**

**There will be required reading assignments and anatomy review before each session**

#### **Session I : Monday, February 3, 2020**

Knee

Required Reading: Netter's Atlas of Human Anatomy-Knee  
AAOS Orthopedic Knowledge Update 11 (electronic resource)

#### **Session II: Monday, February 10, 2020**

Hand/Wrist

Required Reading: Netter's Atlas of Human Anatomy-Hand  
AAOS Orthopedic Knowledge Update 11 (electronic resource)

#### **Session III: Monday, February 17, 2020**

Shoulder

Required Reading: Netter's Atlas of Human Anatomy-Shoulder  
AAOS Orthopedic Knowledge Update 11 (electronic resource)

#### **Session IV: Monday, February 24, 2020**

Hip

Required Reading: Netter's Atlas of Human Anatomy-Hip  
AAOS Orthopedic Knowledge Update 11 (electronic resource)

#### **Session V: Monday, March 2, 2020**

Spine

Required Reading: Netter's Atlas of Human Anatomy – Spine  
AAOS Orthopedic Knowledge Update 11 (electronic resource)

#### **Session VI: Monday, March 9, 2020**

Foot/Ankle

Required Reading: Netter's Atlas of Human Anatomy- Foot & Ankle  
AAOS Orthopedic Knowledge Update 11 (electronic resource)