

**Title of** Orthopaedic Surgery Research Elective - UTMC

**Clerkship:**

**Elective Type:** Fourth Year Elective

**Department:** Orthopaedic Surgery

**Clerkship Site:** The University of Toledo Medical Center

**Course Number:** ORTH 702

**Blocks available:** All

**Number of students per**

**block:**

**Faculty:** Nabil Ebraheim, M.D., Martin Skie, M.D., Abdul Azim Mustapha, M.D.

**Elective Description/** A four-week research elective can be structured to involve investigation into most areas of orthopaedics, according to the interest of the particular student.

**Requirements:**

**Length of Clerkship:** 4 weeks

**Links to EPOs** **Educational Course Objectives:**

- P3 1. At the end of this elective, the student will be able to analyze information needed by identifying the current level of knowledge, the desired level of knowledge, and the type of information needed to reach the desired level of knowledge.
- S11 2. At the end of this elective, the student will be able to compare and contrast the type of information found in each class of resources and to select sources based on the information needed.
- S11 3. At the end of this elective, the student will be able to develop and execute search strategies in a variety of online resources that will effectively and efficiently produce precise search results.
- S1 4. At the end of this elective, the student will be able to identify and use resources in support of presentation and publication, with the possibility of being an author.
- S11 5. At the end of this elective, the student will be able to describe why some types of articles provide stronger evidence than others, and to use resources.
- S11 6. At the end of this elective, the student will be able to describe issues influencing information retrieval and use, including the structure of the scientific literature, and legal and ethical issues (copyright).
- S11 7. At the end of this elective, the student will be able to develop a personal information management plan to keep on top of the literature in a specialty using technical tools.
- S1 8. At the end of this elective, the student will be able to demonstrate personal understanding of issues and application of skills through successful assistance in a research project.

**Professionalism:** UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

**Instructional  
Methods:**

1. Clinical case presentations/discussions
2. Diagnostic tests – use/interpretation
3. Independent study
4. Interpretation of lab data
5. Lecture
6. Residency program/department conferences

**Evaluation methods employed:**

1. Attendance
2. Faculty observation of behavior
3. Faculty/Resident observation and assessment of clinical skills
4. Written paper/project, which includes some reflections on performance

**Prerequisites:**

Successful completion of required surgery clerkship.

**Clerkship  
Director:**

Nabil A. Ebraheim, M.D.

**Clerkship  
Coordinator:  
Phone Number:  
Email:**

Lindsey LaBounty  
419-383-6236  
Lindsey.LaBounty@utoledo.edu

**Special  
Requirements:**

None

**AAMC Hot  
Topics  
Addressed in  
this Elective  
Clerkship:**

*(please make  
selection from  
attached Hot  
Topic list)*

1. Evidence Based Medicine
2. Review of Lab data and analysis