

DEPARTMENT OF ORTHOPEDICS

The main emphasis of this four-week elective is to provide the student with a sound basis in the approach to physical examination. These skills are best acquired in the orthopedic outpatient clinic where the student would spend the majority of his or her rotation. During the rotation the student would be paired with a resident who would be in a position to carry the emergency paper at intervals during the week. The student would therefore accompany the resident to the emergency room and be in attendance during the initial history, physical exam, and review of radiographs. The student would have the opportunity to assist with closed reductions in the emergency room and would also have the opportunity to assist in the operating room. The student would be expected to perform call with his or her attending orthopedic surgeon one night per week to maximize exposure to clinical material. A variety of weekly rounds are available in which the student should be involved along with the residents.

ORTHOPEDICS ELECTIVE

Course Director: Charles Ruotolo, MD

Duration: 4 Weeks

GOALS

This elective is intended to provide the medical student with an introduction in the evaluation, diagnosis, history, and examination for a variety of musculoskeletal conditions.

The medical student will be exposed to the general understanding of common orthopedic injuries, diagnoses, treatment, and exposure to arthroscopic surgery, fracture surgery, joint replacement, and spinal surgery.

OBJECTIVES

- To develop proficiency in the evaluation, diagnosis, and treatment of musculoskeletal diseases
- To learn the basic concepts regarding fracture treatment and be able to accurately assess musculoskeletal injuries in adults
- To recognize orthopedic problems that may require surgery and be able to prepare the patient for referral
- To develop sufficient proficiency in cast application and removal (short arm and short leg casts)
- To participate in orthopedic clinics, rounds, and specialty clinics and to attend the orthopedic plaster clinics
- To possibly conduct small clinical research projects

CLINICAL EXPERIENCE

By completion of this rotation, the medical student will:

1. Have the ability to conduct musculoskeletal examinations and elicit the appropriate history
2. Demonstrate understanding of a variety of general and arthroscopic surgical techniques and fracture care
3. Assist in the evaluation of patients in the emergency department and orthopedic clinics

4. Take part in daily rounds on the orthopedic unit
5. Assist with orthopedic surgeries
6. Demonstrate knowledge of the drugs and medications used with the orthopedic patient
7. Recognize the signs and symptoms of complications in the orthopedic, post-surgical patient

DIDACTIC EXPERIENCE

The medical student will be expected to participate in all departmental lectures and conferences.

EVALUATION METHOD

100% clinical observation.

HOW TO APPLY

If you are interested in applying, please call 516-572-5399 or visit us at www.numc.edu.