

Elective Description

Campus: Northeast (Grand Forks)

Department: Surgery

Elective/Experience Title: Orthopedic Surgery

Course Number: 9307-02

Location of Elective: Riverview Clinic – East Grand Forks & Crookston, MN

Preceptor(s): Colin Fennel, MD

Period(s) Offered: All

Course Prerequisites: Completion of Surgery Clerkship

Number of students per period: 1

Revised Curriculum Phase(s): 2 & 3

Purpose: To provide education and experience in the care of patients requiring the orthopedic surgery services.

Objectives: Following successful completion of this elective, the student will be able to:

1. Demonstrate basic knowledge of functional musculoskeletal anatomy.
2. Perform history and physical examination of orthopedic patients and make recommendations for care.
3. Evaluate, diagnose and treat patients with common ambulatory orthopedic complaints.
4. Evaluate orthopedic conditions in pediatric patients regarding deformities and growth patterns.
5. Demonstrate basic technical skills in the care and management of orthopedic patients (e.g., arthrocentesis, cast application and removal, etc.).
6. Coordinate physician treatment with ancillary services including physical therapy, occupational therapy, laboratory, radiology, and other clinical services.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Diagnosis and treatment of orthopedic conditions of clinic, hospitalized, and emergency room patients.
2. Daily discussion of patients seen with question and answer session.
3. Observation of technical performance by preceptor, followed by student performance when appropriate.
4. Assist in minor and/or major orthopedic surgery cases.
5. Didactic sessions during latter part of elective to cover basic orthopedic problems not encountered during the rotation.
6. Assigned reading to ensure that an exposure to basic ambulatory orthopedic care has been adequately experienced and/or discussed.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Observe the student's capacity to take thorough history, perform orthopedic examination, and propose treatment with knowledge of complications of such treatment.
3. Evaluate actual performance of basic orthopedic skill throughout the elective and assess student's oral presentation and critical analysis of the patient's orthopedic condition.
4. Assign daily recommended reading related to current problems encountered, followed by discussion between preceptor and student.
5. Monitor the student's attitude, behavior, professional appearance, and intellectual curiosity.