

Elective Description

Campus: Southwest (Bismarck)

Elective/Experience Title: Physical Medicine & Rehabilitation

Location of Elective: Sanford Health - Bismarck, ND

Department: Internal Medicine

Course Number: IMED 9121

Preceptor(s): Shelley Killen, MD

Period(s) Offered: all

Number of students per period: 1

Course prerequisites:

Revised Curriculum Phase(s): 2 & 3

Purpose: To provide education and experience in the care of patients requiring physical medicine and rehabilitation services.

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

1. Describe the rehabilitation needs of patients with neurological, muscular, or orthopedic disabilities.
2. Complete a neuromuscular exam and mental status exam pertinent to rehabilitation patients.
3. Prescribe the basic therapies and describe the therapeutic modalities for rehabilitation patients.
4. Describe the indications for and basic interpretations of electrodiagnostic studies.
5. Assess in a basic fashion neurogenic bladder with urodynamic studies.
6. Describe the outpatient approach to sports medicine.
7. Describe the clinical approach to chronic pain.
8. Describe the basic principles of orthotics and prosthetics.
9. Discuss the team approach to rehabilitative care.

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

1. Inpatient evaluation of rehabilitation, hospital admissions and consultations.
2. Outpatient clinic evaluations of patients with chronic pain, sports medicine injuries, and workmen's compensation claims.
3. Participation in orthotics and prosthetics clinics.
4. Participation in electrodiagnostic studies.
5. Participation in urodynamic studies.
6. Participation in arthrocentesis and trigger point injections.
7. Participation in rehabilitation conferences in therapy sessions.
8. Weekly discussions with the preceptor on pertinent rehabilitation topics.
9. Presentation of a short topic of interest to the rehabilitation team.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Evaluate through direct observation the student's ability to complete a thorough neuromuscular and functional examination of a patient.
3. Evaluate through direct observation the student's ability to transcribe a rehabilitation patient examination into appropriate ordering of therapies.
4. Evaluate, through discussion with the student, the student's ability to interpret the basics of electrodiagnostic studies.
5. Evaluate the student's written basic therapy prescriptions for inpatient stroke, CHI, SCI, and orthopedic rehabilitation patients.
6. Evaluate, through the student's written and oral communications, the student's ability to complete basic evaluation and management of outpatient chronic pain and sports medicine patients.
7. Directly observe and evaluate the student's presentation of the required rehabilitation topic.
8. Directly observe and evaluate the student's skill in assigned procedures.