UND School of Medicine & Health Sciences
University of North Dakota

Elective Description

Campus: Southeast (Fargo)
Department: Internal Medicine
Elective/Experience Title: Introduction to PM & R
Course Number: IMED 9224-01
Location of Elective: Sanford Health Care System – Fargo, ND

Preceptor(s): Paul Lindquist, MD & Sonia Thakur, MD
Period(s) Offered: All
Course Prerequisites: IM 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 physical medicine and rehabilitation services.

Objectives:

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

1. Summarize the rehabilitation needs of patients with neurological, muscular, or orthopedic disabilities. *(Competency 1.3, 1.9, 2.8)*
2. Perform a neuromuscular exam and mental status exam pertinent to rehabilitation patients. *(Competency 3.1, 3.6)*
3. Generate a treatment plan which incorporates the basic therapies therapeutic modalities for rehabilitation patients. *(competency 1.10, 3.4)*
4. State the indications for and demonstrate the ability to complete basic interpretations of electrodiagnostic studies. *(Competency 2.5, 3.2, 3.3)*
5. Demonstrate the ability to assess in a basic fashion neurogenic bladder using urodynamic studies. *(Competency 2.5, 3.3)*
6. Demonstrate the ability to participate in the outpatient approach to sports medicine patients. *(Competency 1.3, 2.8, 3.1, 3.2, 3.3, 3.4)*
7. Demonstrate the ability to perform an appropriate clinical approach to chronic pain. *(Competency 1.3, 2.6, 2.8, 3.1, 3.2, 3.3, 3.4)*
8. State the basic principles of orthotics and prosthetics in rehabilitative medicine *(Competency 1.3, 2.8)*
9. Demonstrate the ability to successfully participate in the team approach to rehabilitative care. *(Competency 7.3, 7.4, 7.5)*
10. Research and Summarize an assigned topic in rehabilitation care. *(Competency 1.3, 1.6, 1.8)*
11. With preceptor supervision execute common procedures in rehabilitative care. (*Competency 3.6)*

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 with preceptor supervision in electrodiagnostic studies.
5. Participation with preceptor supervision in urodynamic studies.
6. Participation with preceptor supervision 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. *(Objective #2)*
3. Evaluate through direct observation the student's ability to transcribe a rehabilitation patient examination into appropriate ordering of therapies. *(Objective #3)*
4. Evaluate, through discussion with the student, the student's ability to interpret the basics of electrodiagnostic and urodynamic studies. *(Objective #4,5)*
5. Evaluate by direct review the student's written basic therapy plans for inpatient stroke, CHI, SCI, and orthopedic rehabilitation patients. *(Objective #3)*
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. *(Objective #6, 7)*
7. Through direct observation and discussion evaluate the student's presentation of the required rehabilitation topic, knowledge of orthotics and prosthetics in rehabilitative medicine and the rehabilitation needs of patients with neurological, muscular, or orthopedic disabilities. *(Objective #1, 8, 10)*
8. Directly observe and evaluate the student's skill in supervised assigned procedures. *(Objective #11)*
9. By direct observation and feedback from team members evaluate the student's ability to participate in team-based rehabilitative care. *(Objective #9)*