

Elective Description

Campus: Northwest (Minot)

Elective/Experience Title: Nephrology/Metabolic Disorders

Location of Elective: Trinity Health Center East– Minot, ND

Department: Internal Medicine

Course Number: IMED 9411

Preceptor(s): Nassar Saffarian, MD

Period(s) Offered: all

Number of students per period: 1

Course prerequisites:

Revised Curriculum Phase(s): 2 & 3

Purpose: To gain education and experience in the care of patients requiring nephrology/metabolic services.

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

1. Discuss the broad aspects of renal physiology.
2. Describe the diagnosis, pathophysiology, and management of acute kidney injury.
3. Describe the disease progression, complications, and management of chronic kidney disease.
4. Describe dialysis indications.
5. Review the clinical assessment, diagnostic investigation, and management of hypertension.
6. Review fluid/electrolyte acid-based metabolism.
7. Discuss the management and assessment of renal calculi.
8. Review the assessment, management, and treatment of complications of diabetes mellitus.

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

1. Work-up, evaluation and discussion of hospitalized patients with the attending physician.
2. Work-up, evaluation and discussion of selected clinic patients with the attending physician.
3. Preparation of preceptor-assigned topics and selected readings.
4. The activities of an outpatient Diabetes Center.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Assess quality by directly reviewing the student's dictations and progress notes.
3. Assess the student's improvements in clinical skills and knowledge of pathophysiological concepts.
4. Evaluate by direct observation the student's written and oral case presentations.
5. Evaluate by direct observation the student's communication skills with providers, patients and team members.
6. Evaluate by direct observation the student's improvement in his/her knowledge base.