

Elective Description

Campus: Southeast (Fargo)

Department: Internal Medicine

Elective/Experience Title: Clinical Nephrology

Course Number: IMED 9208

Location of Elective: Sanford Health System – Fargo, ND

Preceptor(s): - Mahmoud Mahmoud, MD,
- Ashish Regulagadda, MD

- Lakshmi Pathak, MD
- Eram Shahira, MD

- Raghavesh Pullalarevu, MD
- Mohamed Toumeh, MD

Period(s) Offered: All

Course prerequisites:

Number of students per period: 1

Revised Curriculum Phase(s): 2 & 3

Purpose: To increase the student's knowledge and clinical skills in nephrology.

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

1. Perform the general evaluation of a patient with kidney disease
2. Describe hypertension evaluation and management
3. Discuss basic fluid, electrolytes and other acid/base metabolism problems
4. Describe acute kidney injury, evaluation and management
5. Describe chronic kidney disease, evaluation and management
6. Discuss acute and chronic glomerular disease
7. Describe diabetic nephropathy; its evaluation and management

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

1. Workup/evaluation of selected hospitalized patients
2. Evaluation of selected clinic patient
3. Clinical case studies of patients with fluid/electrolyte metabolism abnormalities
4. Hospital and consultation nephrology rounds
5. Review of assigned readings including current textbook material and selected journal articles
6. The PBL module review for Hypertension

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Directly review consultation write-ups in daily progress notes for completeness and degree of understanding of pathophysiologic processes.
3. Directly observe student participation in informal case studies specifically identifying student preparation and understanding of basic concepts of acid-base, fluid/electrolyte metabolism and other common clinical problems in nephrology.
4. Directly review student participation and assigned readings.
5. Identify improvement in student clinical skills development and knowledge in nephrology.