

## Elective Description

**Campus:** Northeast (Grand Forks)

**Elective/Experience Title:** Clinical Nephrology

**Location of Elective:** The Kidney & Hypertension Center – 1451 44<sup>th</sup> Ave South – Grand Forks, ND

**Department:** Internal Medicine

**Course Number:** IMED 9320-02

**Preceptor(s):** Khaled Rabadi, MD

**Period(s) Offered:** all – *requires permission from preceptor*

**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 nephrology services.

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

1. Describe the clinical care of patients with renal disease including the evaluation and management of acid/base balance, electrolytes, and fluid balance.
2. Discuss the evaluation and management of patients with acute and chronic renal failure.
3. List the principals involved in management of end-stage renal disease including renal replacement therapy, home dialysis, center hemodialysis, and kidney transplant follow-up.
4. Discuss an overview of glomerular disease including diabetic nephropathy.
5. Evaluate and formulate management plans for patients with hypertension.

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

1. Daily hospital and dialysis rounds.
2. Evaluation and work- up of both hospital and clinic consultations.
3. Follow-up of selected clinic patients.
4. Evaluation of peritoneal dialysis patients in the clinic and hospital.
5. Attend peritoneal dialysis training with dialysis nursing staff.
6. Didactic sessions, assigned reading, and case study reviews.

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

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Review and evaluate the student's notes and dictations with particular attention to the student's differential diagnoses, problem list, and management plan.
3. Evaluate by direct observation the quality of the student's review of assigned readings.
4. Evaluate by direct observation the student's understanding of basic concepts of acid/base and fluid/electrolyte metabolism.
5. Evaluate by direct observation the student's progress in making clinical decisions on modalities of renal replacement therapy.
6. Evaluate by direct observation the student's understanding of all renal concepts addressed during the elective including their pathophysiology and clinical application.
7. Evaluate by direct observation the students communication skills in a "360" context.