PGY1 Internal Medicine Rotation: Nephrology
Indiana University Hospital
Indiana University Health

Preceptor
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Learning Experience Description
This Nephrology rotation is a one-month rotation designed to develop the resident’s knowledge and provision of pharmaceutical care for adult patients with kidney disease. Residents will participate in dialysis clinic rounds and follow IU dialysis clinic patients while admitted to the hospital. Problem identification, problem solving, healthcare team interaction, communication skills, patient interaction, documentation of consultations, application of pharmacokinetic principles, and provision of drug information are emphasized through daily encounters with patients, hemodialysis clinic, and inpatient providers. Additional activities include patient education, regular topic discussions, and attendance at hemodialysis clinic meetings.

Requirements of Learning Experience

Required Attendance

- The resident will participate in rounds for assigned patients in hemodialysis clinic and assigned patients with kidney disease on the inpatient roster. The resident will meet daily to discuss patients with the preceptor. The resident will meet with the preceptor at least two times weekly to discuss selected topics.

Required Meetings

- The resident will attend hemodialysis clinic monthly continuous quality improvement meeting in addition to any required pharmacy meetings.
- Residents and will attend Grand Rounds and Rx Report.

Required Presentations

- The resident will lead one monthly topic discussion (acute kidney injury) for students at IU. Residents will participate in current projects as assigned by preceptor.

Required Readings/Topic Discussions

- The resident will prepare for the meeting to sufficient depth of knowledge to be able to lead the discussion of the topic. Topics may include the following as they relate to patients with kidney disease, but are not limited to:
  - Acute Kidney Injury
  - Anemia
  - Anticoagulation
  - Chronic Kidney Disease
  - Health Literacy
  - Intradialytic Complications
- Medication Adherence
- Mineral Bone Disease
- Nutrition
- Pharmacokinetic and Pharmacodynamic Alterations
- Renal Replacement Therapies
- Treatment of Bloodstream Infections

**Learning Experience Evaluated Goals:**

**Goal R1.5:** Provide concise, applicable, comprehensive, and timely responses to requests for drug information from patients and health care providers.

**Goal R2.3:** As appropriate, establish collaborative professional pharmacist-patient relationships.

**Goal R2.6:** Design evidence-based therapeutic regimens.

**Goal R2.8:** Recommend or communicate regimens and monitoring plans.

**Goal R5.1:** Provide effective medication and practice-related education, training, or counseling to patients, caregivers, health care professionals, and the public

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**Learning Experience Activities and Corresponding Learning Experience Goals/Objectives**

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<thead>
<tr>
<th>Learning Experience Activity</th>
<th>Learning Experience Objectives</th>
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<tbody>
<tr>
<td>Formulate a strategy to effectively establish a patient-centered pharmacist-patient relationship. Interview the patient and record an updated allergy list and a medication admission history on the electronic medication reconciliation form.</td>
<td>R1.5.1: R2.3.1</td>
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<td>Identify potential and real drug- and disease-related problems through analysis, synthesis and evaluation of drug information research.</td>
<td>R1.5.1, 1.5.2, 1.5.3, 1.5.4</td>
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<td>Assess the clinical significance of drug-related problems by prioritizing problems.</td>
<td>R1.5.5, 1.5.6, 1.5.7</td>
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<td>Select appropriate goals, develop and initiate plan for resolution of the identified problems etiology, severity, pharmacotherapy, prevention of problem progression, prevention of complications of treatment, and prevention of problem recurrence.</td>
<td>R2.6.2; R2.8.1</td>
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<td>Design, implement and evaluate education plan to educate patients on new medications prescribed during hospital stay.</td>
<td>R5.1.1, 5.1.2; R5.1.4, 5.1.6</td>
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<tr>
<td>Develop a discharge medication list for patients and arrange follow up for medications as necessary. Design, implement and evaluate education of patients on discharge medication list.</td>
<td>R5.1.1, 5.1.2, 5.1.4, 5.1.6</td>
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### Recommend or communicate a patient-centered, evidence-based therapeutic regimen and corresponding monitoring plan to other members of the interdisciplinary team and patients in a way that is systematic, logical, accurate, timely, and secures consensus from the team and patient.

**R2.8.1**

### The resident will educate patients given new prescriptions during hemodialysis rounds and any patient taking warfarin on the medicine team. The resident will communicate regularly with the designated retail pharmacist for the hemodialysis clinic to ensure patients in clinic receive their prescriptions.

**R1.5.1, 1.5.2, 1.5.3, 1.5.4, 1.5.5, 1.5.6, 1.5.7; R 2.3.1; R2.6.1, 2.6.2; R2.8.1**

### The resident will document all Interventions, examples include anticoagulation management, medication reconciliation, pharmacokinetics, etc.

**R2.8.1**

### Methods of Evaluation

Evaluation of residents will be based on the above learning experience goals and objectives. The preceptor and resident will review the resident’s customized plan and the learning experience rotation document on the first day of rotation. Feedback will include, but not be limited to: verbal and/or written mid-point and end of rotation evaluations of the resident, preceptor and learning experience.