PGY1 Elective: Organ Transplant Surgery Rotation
Indiana University Hospital
Indiana University Health

Preceptor
Jeanne Chen, PharmD, BCPS
Office: 944-3570

Learning Experience Description
The organ transplant surgery rotation consists of a one-month experience working with kidney and pancreas, transplant recipients. The service is a multidisciplinary surgical service. The rotation focuses on immunology and management of the complications of immunosuppressive therapy.

Requirements of Learning Experience

Required Attendance
- Formal rounds may occur; pharmacy rounds will be done with preceptor, students or alone. The resident will present patient care recommendations to the medical team. Recommendations should be discussed with preceptor during patient presentations and prior to talking with the team.

Required Meetings
- Attend weekly renal and pancreas multidisciplinary selection meetings.

Required Projects
- Complete other appropriate projects assigned by preceptor (e.g., journal club, provide one short in-service to the nursing staff or pharmacy staff on a topic agreed upon with preceptor, complete other drug information requests both verbal and written).

Required Presentations
- The resident will be required to deliver a presentation on a transplant topic prior to the end of the month. This presentation can be an in-service for nurses on the transplant floor or for the transplant team.

Required Readings/Topic Discussions
- Periodic discussions between the resident and instructor will be held to discuss selected topics and individual patients. The resident will prepare for the meeting to sufficient depth of knowledge to be able to lead the discussion of the topic. Topics include but are not limited to:
  - The Role of Pharmacist on the Transplant Team
  - Overview of the Immune System
  - Immunosuppressant Drugs
  - Renal and Pancreas Transplant Rejection
  - Infections post Transplant: Viral, Fungal, Opportunistic, Vaccines
- Cardiovascular Disease Post Transplant
  - Hypertension management post transplant
  - Diabetes management
  - Hyperlipidemia post transplant
- Malignancy Post Transplant
- Chronic Kidney Disease
  - Anemia
  - Bone and Mineral Metabolism Disturbances

Learning Experience Evaluated Goals
Goal R2.1: As appropriate, establish collaborative professional relationships with members of the health care team.
Goal R2.11: Communicate ongoing patient information.
Goal R3.1: Exhibit essential personal skills of a practice leader.

Learning Experience Activities and Corresponding Learning Experience Goals/Objectives

<table>
<thead>
<tr>
<th>Learning Experience Activity</th>
<th>Learning Experience Objectives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assist with medication reconciliation of transplant patients upon admission and discharge.</td>
<td>R2.1.1; R2.11.1, 2.11.2; R3.1.3</td>
</tr>
<tr>
<td>Apply medication knowledge by responding to requests of staff pharmacists for resolving complex transplant medication issues.</td>
<td>R2.1.1; R2.11.2; R3.11.3</td>
</tr>
<tr>
<td>Provide drug information to patients and health care providers.</td>
<td>R2.1.1; R2.11.1, 2.11.2; R3.1.3</td>
</tr>
<tr>
<td>Communicate professionally with patients to obtain medication histories and provide medication counseling to enhance patient compliance where applicable.</td>
<td>R2.11.2; 3.1.2</td>
</tr>
<tr>
<td>Identify potential and real drug- and disease-related problems; assess the clinical significance of drug-related problems by prioritizing problems.</td>
<td>R3.1.1</td>
</tr>
<tr>
<td>Select appropriate goals for resolution of identified problems considering etiology, severity, pharmacotherapy, prevention of problem progression, prevention of complications of treatment, and prevention of problem recurrence; develop a plan and appropriate monitoring parameters to meet each of the stated goals and effectively share this information with the interdisciplinary health care team.</td>
<td>R2.1.1.; R2.11.2; R3.1.1.</td>
</tr>
<tr>
<td>Monitor outcomes, adapt the treatment plan to meet those outcomes and communicate ongoing patient information with team.</td>
<td>R 2.1.1; 2.11.2</td>
</tr>
<tr>
<td>A patient profile (derived from the chart, progress notes, and MAR) will be maintained for each patient on the service. This profile must be updated daily so that ready reference can be made to demographic information, drug list, and appropriate therapeutic and laboratory monitoring parameters. Given the chart and medication administration record of a</td>
<td>R2.11.1, 2.11.2; R3.1.1, 3.1.2, 3.1.3</td>
</tr>
</tbody>
</table>
patient recipient, the resident should be able to:

1. Prepare a patient specific database.
2. List potential and existent drug and disease related problems.
3. Describe the clinical significance of drug related problems.
4. Develop a therapeutic plan to resolve identified problems, prevent potential problems, and evaluate outcomes.

**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.