PGY1 Elective: Solid Organ Transplantation Rotation
Methodist Hospital
Indiana University Health

Preceptor
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Experience Description
Organs transplanted at Methodist Hospital include kidney, heart and lung. The one-month rotation is designed to develop the resident’s knowledge and skills in the pharmaceutical care of recipients of any organ transplant, but will primarily be focused on the care of lung transplant patients. This rotation will introduce the resident to immunology and management of the complications associated with immunosuppressive therapy. Problem identification, problem solving, healthcare team interaction, communications skills, patient interaction, documentation of consultations, application of pharmacokinetic principles, and provision of drug information are emphasized through daily encounters with patients and the health care professionals that are involved in the solid organ transplant teams.

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. This is where you list any attendance requirements.

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:
  - Overview of the Immune System
  - Overview of lung transplantation
    - Listing criteria
    - Post-op care
    - Protocols
  - Immunosuppressant Drugs
  - Lung transplant rejection
    - Acute and chronic
  - Infections post transplant: Viral, Fungal, Opportunistic
• Treatment and prophylaxis
• Long term post transplant complications
• Osteoporosis
• Hypertension management post transplant
• Diabetes management
• Hyperlipidemia post transplant

**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.

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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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<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>
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<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, 3.1.3</td>
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<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>
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<td>Monitor outcomes, adapt the treatment plan to meet those outcomes and communicate ongoing patient information with team.</td>
<td>R2.1.1; 2.11.2</td>
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<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.</td>
<td>R2.11.1, 2.11.2; R3.1.1, 3.1.2, 3.1.3</td>
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<td>Adverse Drug Reactions/Medication Variances-The residents will document adverse drug reactions occurring in his/her patients using the online Indiana University Health Reporting Forms.</td>
<td>R2.11.1, 2.11.2; R3.1.1, 3.1.2, 3.1.3</td>
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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.