

PGY1 Course Description

Learning Experience Title: Solid Organ Transplantation

Preceptor:

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Description:

The solid organ transplantation learning experience is a 4-week elective learning experience in which residents will be introduced to solid organ transplantation and care for transplant recipients. During the learning experience, residents will develop their pharmacotherapeutic skills, broaden their knowledge base, educate transplant recipients and serve as a clinical resource for the transplant team.

The role of the transplant pharmacist in this setting is to participate in the pharmacotherapeutic design of transplant protocols and pharmacotherapeutic evaluation of individual transplant recipients and living donors. The pharmacist is expected to evaluate, identify and resolve pharmacotherapy-related problems, provide medication education to patients and their caregivers, and provide drug information to transplant team members.

The pharmacist in this role will participate in multidisciplinary inpatient rounds, outpatient clinic, patient medication education, medication profile review and therapeutic optimization, as well as resident and student education.

Learning Experience Responsibilities:

- Provide a review of medication regimens for transplant recipients
- Provide timely, evidence based drug therapy recommendations and information
- Design evidence based therapeutic regimen and monitoring plan
- Provide patient specific medication use teaching for new transplant recipients
- Document all therapeutic interventions
- Attend multidisciplinary rounds at 11:45am daily and outpatient clinic twice weekly
- Present one topic discussion

- Provide one formal case presentations
- Participate in and/or lead topic discussions with preceptor
- Assist with precepting UMKC School of Pharmacy students (General Medicine I and General Medicine II)
- Complete other duties as assigned by preceptor

Disease States:

Common disease states in which the resident will be expected to gain proficiency include but are not limited to:

- Cardiovascular disorders – hypertension, hyperlipidemia
- Renal disorders- acute renal failure, chronic kidney disease, kidney transplant rejection
- Endocrine disorder- management of blood glucose after kidney and kidney-pancreas transplantation, new onset diabetes after transplant
- Infectious disease – surgical prophylaxis, prophylaxis after transplant, common infections after transplant
- Immunology – transplant immunosuppression, care of a transplant recipient

Learning Experience Activities:

Activity	Objectives Covered
Provide accurate and complete recommendations for drug therapy and monitoring parameters using evidence based medicine	R1.1.1
Perform thorough patient interviews/education by using appropriate open-ended dialogue	R1.1.2
Prepare medication-related problem lists to identify omissions, the appropriateness of drug, dose, regimen, route of administration, compliance, therapeutic duplications, therapeutic outcomes, cost and the avoidance of adverse drug reactions and negative interactions	R1.1.4
Develop a comprehensive plan for management of the patient’s solid organ transplantation and modify the plan as patient status changes	R1.1.5
Deliver a practice-based educational activity, including but not limited to didactic or experiential teaching, and/or facilitation	R4.1.1

Objectives selected to be evaluated during learning experience:

Objective R1.1.1: (Applying) Interact effectively with health care teams to manage patients’ medication therapy.

Objective R1.1.2: (Applying) Interact effectively with patients, family members, and caregivers.

Objective R1.1.4: (Analyzing) Analyze and assess information on which to base safe and effective medication therapy.

Objective R1.1.5: (Creating) Design, or redesign, safe and effective patient-centered therapeutic regimens and monitoring plans (care plans).

Objective R4.1.1: (Applying) Design effective educational activities.

Requirements of Learning Experience:

Expected hours: 0800-1600

Required presentations/written assignments: One topic discussion and one to two patient presentations

Misc. Projects: To be determined by preceptor

Method of Evaluation:

Evaluation of the resident will be based on the ASHP activity learning experiences listed above. Each learning activity has a corresponding code following the experience which corresponds to the activity learning experience listed in PharmAcademic®. During the orientation to the learning experience, the preceptor and the resident will review all the material contained in this learning experience description and sign a copy to be retained in the residents file.

The preceptor will provide feedback verbally (formative) throughout the course of the learning experience and electronically (summative) via PharmAcademic® at the conclusion of the experience. Once the resident is finished with all of the requirements for the experience, the preceptor and the resident will discuss the learning experience as a whole both formally and informally. The resident will also be responsible for providing both formative and summative feedback at the conclusion of the experience. All evaluations must be submitted by the conclusion of the learning experience.

I have read and acknowledged the responsibilities of the learning experience.

Pharmacy Resident

Primary Preceptor