

## **Stem Cell Transplant Rotation Description PGY1**

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### **Learning Experience Description**

The stem cell transplant rotation will provide the PGY1 resident with the opportunity to further develop and refine advanced pharmacotherapeutic management skills required for provision of care of the adult stem cell transplant patient population.

The resident will assist in the overall monitoring and management of the complex treatment and supportive care issues throughout the continuum of care of these patients both inpatient and outpatient.

### **Learning Experience Goals**

- R1.4: Demonstrate ownership of and responsibility for the welfare of the patient by performing all necessary aspects of the medication-use system.
- R1.5: Provide concise, applicable, comprehensive, and timely responses to requests for drug information from patients and healthcare providers.
- R2.1: As appropriate, establish collaborative professional relationships with members of the health care team.
- R2.2: Place practice priority on the delivery of patient-centered care to patients.
- R2.3: As appropriate, establish collaborative professional pharmacist-patient relationships
- R2.4: Collect and analyze patient information.
- R2.5: When necessary, make and follow up on patient referrals
- R2.6: Design evidence-based therapeutic regimens.
- R2.7: Design evidence-based monitoring plans.
- R2.8: Recommend or communicate regimens and monitoring plans.
- R2.9: Implement regimens and monitoring plans.
- R2.10: Evaluate patients' progress and redesign regimens and monitoring plans.
- R2.11: Communicate ongoing patient information
- R2.12: Document direct patient care activities appropriately
- R3.1: Exhibit essential personal skills of a practice leader.
- R6.1: Utilize medical informatics
- E6.1: Identify a core library, including electronic media appropriate for the practice setting
- E2.5: Resolves conflicts through negotiation.
- E7.2: Communicates effectively
- E7.3: Balance obligations to one-self, relationships; and work in a way that minimizes stress
- E7.4: Manage time to effectively fulfill practice responsibilities.

### **Daily Schedule**

#### **Required hours**

7:00 AM to 3:30 PM

The typical day begins at 7am to prepare for inpatient rounds. During this time the resident should develop problem lists for all patients, review labs for all patients, review medication changes from overnight (or

weekend), and review vital signs. Rounds start at 8am and typically last 1-2 hours. The transplant service typically carries a census of 6-16 patients. After inpatient rounds, the resident will give discharge counseling to any patients being discharged. After leaving the inpatient floor, the resident will then go to the outpatient stem cell clinic. The resident will assist with drug information for the staff and counseling for patients. In the afternoon, the resident will meet with the preceptor for patient discussion. At least once a week, there will be a non-formal topic discussion with the preceptor.

### **Required meetings**

Daily meeting with preceptor in morning and/or afternoon

Hematology/Oncology grand rounds- 7:30 AM Wednesdays

Hematology/Oncology fellow conference- 7 AM Fridays

### **Learning Experience Requirements/Responsibilities**

- Effectively use the institution's technology and automation systems (StarPanel, HEO, HMM, AdminRx) to collect, analyze, and monitor patient data relating to pharmacotherapy (R6.1)
- Collect and assess patient laboratory values and vital signs daily. (R2.4; R1.4)
- Generate patient-specific databases (e.g. past medical history, prior therapy, etc.) that allows the resident to make rationale drug therapy recommendations. Additionally, the resident should assess the patient's medication history for appropriateness. (R2.4; R2.6; R2.7)
- Review the patient's drug therapy to determine the appropriateness of the drug, its indication, the dosage regimen, route/method of administration, compliance, the presence of any therapeutic duplications, therapeutic outcomes, cost, and avoidance of adverse drug events and other negative interactions each day. (R2.4; R2.6)
- Round with the medical team each morning and provide pharmacotherapeutic
- Recommendations. (R1.4; R2.1; R2.2; R2.3; R2.8; R2.10; R2.11; R3.1; E7.2; E2.5)
- Design therapeutic regimens to achieve the pharmacotherapeutic goals for the patients utilizing evidence-based medicine. (R2.6)
- Design monitoring plans that effectively measure the achievement of pharmacotherapeutic goals and take into account patient-specific factors (R2.7; R2.8; R2.9; R2.10)
- Ensure the continuity of pharmaceutical care to and from the acute setting. (R2.11)
- Review patients with preceptor daily and assure all aspects of patient care as it relates to pharmacy are addressed. (R1.4; E7.4; E7.3; E7.2; R3.1; E6.1; R2.1-2.11)
- Document clinical activities performed by the resident and report adverse drug events. Obtain familiarity with and assure compliance to institutional policies and procedures for drug use evaluation guidelines and restricted drugs. (R2.12; E7.2; R2.11; R2.12)
- Provide timely responses to drug information requests from your team, nursing staff, other pharmacists, preceptor, and other health care providers. (E6.1; R1.5)
- Counsel patients on new treatment regimens. (R2.8; R2.9; E7.2)
- Prioritize rotation responsibilities and additional requirements of the residency program (e.g. set up time for residency project at beginning of the month) (R3.1; E7.3; E7.4)
- Exhibit professional behavior (e.g. appropriate dress/language, prepared for rounds/discussions, etc.) throughout the month. (R3.1)

### **Required Criteria Based Assessments and Rotation Assignments:**

- Care Plan with Self Evaluation (R2.1-2.10; E7.2; E6.1)
- Patient Counseling with Self Evaluation (E7.2)

### **Required presentations**

If the opportunity arises, the resident will give a small in-service to team or pharmacy (R1.5; R2.1)

### **Required readings**

Stem Cell Transplant section from PSAP module. Other readings at the discretion of the preceptor based upon patient issues. (E6.1)

### **Optional:** *(PGYI Residency Requirements)*

- Drug Therapy Problem Solving with Self Evaluation (R1.2; R1.4; RE 2.5)
- Documentation with Self Evaluation (R2.12)
- Researched Drug Information (R1.5)

### **Method of Evaluation**

Evaluation of residents will be based on the Resident Learning System (RLS). Evaluation will consist of a summative evaluation upon rotation completion, in addition to any criteria-based checklists submitted by the resident. The specific goals and objectives on which the resident will be evaluated, will be provided at the beginning of the rotation. Residents will be requested to complete a self-evaluation for all evaluations. Residents will also be required to complete a learning experience evaluation and a preceptor evaluation. Evaluations are completed in the evaluation database. All work to be evaluated on rotation must be turned in for review no later than the last day of the rotation.