

## **PGY1 Course Description**

### **Learning Experience Title: Metabolic Support**

#### **Preceptor:**

Nicole Mackeben, Pharm.D.  
Truman Medical Center Hospital Hill  
2301 Holmes Rd.  
Kansas City, MO 64108  
Phone: (816) 404-1321  
Pager: (816) 374-1093  
Email: nicole.mackeben@tmcmcd.org

#### **Description:**

The PGY1 Metabolic Support learning experience at Truman Medical Centers is an elective 4 week rotation that will introduce residents to the care of Metabolic Support patients during acute illness. The pharmacist in this role rounds with a Metabolic Support interdisciplinary team on a daily basis, completing patient profile reviews and providing medication related information. They also provide pharmacy services, drug information and patient education for Metabolic Support patients. This experience will allow the resident to further develop their clinical skills, knowledge base, and communication with various healthcare providers. They will also serve as the primary source of drug related information for their healthcare team.

#### **Learning Experience Responsibilities:**

- Attend multidisciplinary rounds daily at 8:00am. Meet in the Metabolic Support services office on the 3<sup>rd</sup> floor.
- Provide accurate, evidence based metabolic support recommendations and drug information to the healthcare team
- Document all clinical interventions
- Participate in and/or lead topic discussions with preceptor and/or PharmD student
- Attend all pharmacy student/resident presentations
- Present formal case/disease state presentation during last week of rotation to pharmacy personnel or work on a project of the preceptor's choice
- Supervise PharmD students when applicable

#### **Types of Nutrition:**

The types of Nutrition commonly encountered during this experience that the resident will be expected to review, discuss, and apply include but are not limited to:

- Parenteral Nutrition
- Enteral Nutrition
- Oral Supplements

**Learning Experience Activities:**

| Activity                                                                                                                                                                     | Objectives Covered |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Round with MSS to interact effectively with health care teams to manage patients' medication therapy                                                                         | R1.1.1             |
| Educate and answer MSS/pharmacy related questions to interact effectively with patients, family members, and caregivers.                                                     | R1.1.2             |
| Collect information regarding medications, Enteral and Parenteral Nutrition on which to base safe and effective medication therapy.                                          | R1.1.3             |
| Make decisions based on information collected regarding medications, Enteral and Parenteral Nutrition to maintain safe and effective medication therapy.                     | R1.1.4             |
| Design or redesign safe and effective patient-centered therapeutic regimens and monitoring plans (care plans) regarding medications, Enteral and Parenteral Nutrition.       | R1.1.5             |
| Follow up on recommendations regarding medications, Enteral and Parenteral Nutrition.                                                                                        | R1.1.6             |
| Help coordinate and make recommendations regarding medications, Enteral and Parenteral Nutrition for discharge.                                                              | R1.2.1             |
| Document any pharmacy interventions regarding medications, Enteral and Parenteral Nutrition.                                                                                 | R1.1.7             |
| Demonstrate responsibility to patients regarding medications, Enteral and Parenteral Nutrition.                                                                              | R1.1.8             |
| Manage one's own practice effectively regarding medications, Enteral and Parenteral Nutrition.                                                                               | R3.2.4             |
| Be able to prepare and dispense medications regarding medications, Enteral and Parenteral Nutrition following best practices and the organization's policies and procedures. | R1.3.1             |
| Demonstrate personal, interpersonal, and teamwork skills critical for effective leadership while on the MSS team and in pharmacy practice.                                   | R3.1.1             |
| Use written communication effectively to provide information regarding medications, Enteral and Parenteral Nutrition.                                                        | R4.1.3             |
| While on the MSS team and in pharmacy practice, be an effective preceptor anytime it's necessary.                                                                            | R4.2.2             |

**Objectives selected to be evaluated during learning experience:**

R.1.1.1 "Interact effectively with health care teams to manage patients' medication therapy"

R1.1.3 "Collect information on which to base safe and effective medication therapy"

R 1.1.8 "Demonstrate responsibility to patients"

R1.2.1 “Manage transition of care effectively”

R 3.1.1 “Demonstrate personal, interpersonal, and teamwork skills critical for effective leadership”

### **Requirements of Learning Experience:**

Expected hours: 0700-1600, times may vary based on patient care requirements

Required presentations: Determined by the preceptor but may include a patient case presentation, journal club, or other project

Required readings: Guidelines and any other resources the preceptor feels will be helpful.

Preceptor interaction:

07:30 Pre-round with resident

08:00 Rounds with resident and internal medicine team

Afternoon Topic discussions, patient updates, patient education, and self-directed work

Communication:

- Daily scheduled meeting times – resident is to prioritize questions and problems to discuss during scheduled meeting times
- E-mail – at a minimum, residents are expected to read email at the beginning, middle, and end of each day to facilitate communication.
- Office extension – this is appropriate for urgent questions pertaining to patient care.
- Pager – this is appropriate for urgent/emergent situations pertaining to patient care.

Expected progression of resident on this learning experience:

Day 1 – Preceptor will review metabolic support learning activities and expectations, as well as general calendar and monthly activities with resident.

Week 1 – Resident will be responsible for working up approximately half of the team’s patients and present to preceptor daily. Preceptor will attend rounds with resident, and model pharmacist’s role on the team. Towards end of week, preceptor will coach the resident to take on more responsibilities as the pharmacist for the team. Learn the Guidelines and practice entering orders.

Thereafter – Resident will be expected to take on more responsibility for the team’s patients, continuing to discuss patients on a daily basis with the preceptor. Resident will be expected to process Parenteral and Enteral orders and Be a functional member of the MSS team.

### **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