

Critical Care II Course Description

Learning Experience Title: Critical Care II (PGY2)

Preceptor:

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Critical Care Clinical Lead Pharmacist

PGY2 Critical Care Residency Program Director

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Purpose:

The Critical Care learning experience is one in which the resident will function as the clinical pharmacist for not only the Medicine Critical Care team, but all other units within the ICU pavilion. The role of the critical care pharmacist includes participation in multidisciplinary rounds, bedside patient rounds, medication profile review and therapeutic optimization, therapeutic drug monitoring as well as resident and student education. It is the goal of this learning experience that the resident will demonstrate their ability to be a competent and confident practitioner in the area of critical care medicine as well as an effective preceptor to both Pharm.D. students and PGY1 residents.

Learning Experience Responsibilities:

- Attend interdisciplinary rounds daily
- Attend all *Code Blue's* in the hospital
- Serve as primary pharmacist for all patients in the ICU's
- *Lead all topic discussions* with Pharm.D. students and/or PGY1 pharmacy practice residents, and preceptor
- *Serve as primary preceptor* to Pharm.D. students and/or PGY1 pharmacy practice residents (if applicable)
- Monitor all patient consults for those on the critical care medicine service and those not covered by the surgery/trauma service
- Provide timely, evidence based drug therapy recommendations and information
- Design evidence based therapeutic regimen and monitoring plan when pharmacy is requested to dose medications
- Function as a liaison between the Critical Care Service and the Department of Pharmacy
- Complete all mid-point and final evaluations of Pharm.D. students and/or PGY1 pharmacy practice residents (if applicable)
- Complete other duties as assigned by preceptor

Resident Progression:

Expected progression of the resident on this learning experience will be personalized based on the resident's abilities and timing of the learning experience.

Week 1: Resident will work up all of the team's patients and present problems to the preceptor daily. The preceptor will not attend rounds with the resident but continue to facilitate the resident's role as the lead pharmacist on the team.

Week 2-6: Resident will work up all of the team's patients. The resident will not be required to discuss patient problems with the preceptor, however the preceptor will be available should the resident wish to do so on a case by case basis.

Disease States/Conditions:

Common disease states in which the resident will be expected to gain proficiency through self directed literature review, topic discussion, and/or direct patient care experience including, but not limited to:

- Status asthmaticus
- Drug induced pulmonary disease
- Arrhythmias
- Pulmonary edema/CHF exacerbations
- Hypertensive emergencies
- Liver failure
 - Drug-Induced
 - Hepatorenal syndrome
 - Complications of cirrhosis
- Ischemic Stroke
- Critical Illness Polyneuropathy
- DI/SIADH
- Dermatologic
 - SJS
 - Toxic epidermal necrolysis,
 - Erythema multiforme

Goals and Objectives to be covered:

- R2 Optimize the outcomes of critically ill patients by providing evidence-based medication therapy as an integral part of an interdisciplinary team.
 - Goal 2.1 Establish collaborative professional relationships with other members of the interdisciplinary critical care team.
 - Goal 2.3 Act in accordance with a covenantal relationship with the patient.
 - Goal 2.4 Collect and analyze pertinent patient information.
 - Goal 2.5 Design evidence-based therapeutic regimens for critically ill patients.
 - Goal 2.7 Recommend regimens and monitoring plans for critically ill patients.
 - Goal 2.9 Evaluate critically ill patients' progress and redesign regimens and monitoring plans.

- R3 Demonstrate excellence in the provision of training, including preceptorship, or educational activities for health care professionals and health care professionals in training.
 - Goal R3.1 Provide effective education or training to health care professionals and health care professionals in training.
- R5 Participate in the management of medical emergencies.
 - Goal R5.1 Participate in the management of medical emergencies.

Objectives to be evaluated

Activity	Objective
Integrate well within the critical care team and become an active member of the team	2.1.1
Rounding on mechanically ventilated patients and interacting with family to determine best plan of care for that patient	2.3.1
Attend all code blues within the ICU pavilion	5.1.1

Requirements of Learning Experience:

Expected Hours: 0700-1600 (Times may vary depending on patient census and service requirements)

Required presentations: One topic presentation (approx. 30 min.) to the pharmacy/medical staff

Required readings:

*Topic will be discussed on a case-by-case basis and/or upon area(s) of interest but will focus on the areas of emphasis shown below

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