Surgical Intensive Care Unit Clerkship (PHCL 559)

A Clerkship is an experiential training that students undergo prior to graduation. This training is intended to cultivate and enrich students’ clinical skills and critical thinking in the area of surgical intensive care unit (SICU). The goal of this clerkship is to allow the student to integrate pharmacotherapy principles into patient care utilizing drug therapy knowledge and therapeutic drug monitoring skills, when appropriate, along with other clinical data to optimize a patient’s drug regimen. Each student will be assigned certain beds in the unit, and he/she is expected to become an active member of the treating team. This part of the experience can be very rewarding and educational, but it will be only as beneficial as the effort put into it. During the four-week rotation, students are required to actively participate in patient care as outlined, but not limited to the activities listed below.

Activities:

1- Attend rounds with the SICU team.

2- Under the supervision of their receptor, students are expected to develop pharmaceutical care plans for patients in order to achieve definite drug therapy outcomes.

3- Under the supervision of their receptor, students are expected to supply drug information to team members and use drug information resources to document drug related questions.

4- Monitor those patients being cared for by the team. In this regard students will be required to maintain drug monitoring cards or useful alternative.

5- Give oral presentation of patients to instructor and fellow students following the guidelines for case presentation. Informal discussion of the patients will also be required.

Terminal Performance Outcomes:

After successful completion of the clerkship the student will be able to:

1. Collect, in a timely and organized fashion, pertinent clinical data and formulate a problem list.
2. Provide accurate drug information to health care team and patient using appropriate medical and lay terminology, respectively.
3. Design appropriate pharmaceutical plans for patients based on their clinical scenarios.
4. Develop and implement drug therapy monitoring plans for patients with specific emphasis on achieving definite clinical outcomes.
5. Apply knowledge of pertinent chemical, physical, and pharmaceutical properties of drugs as they related to drug disposition, stability and handling when evaluating therapeutic regimens
6. Identify specific patients for whom adjustment of drug doses based on pharmacokinetic principles is warranted.
7. Identify and minimize potential errors in serum sample collections for TDM.
8. Accurately analyze serum drug concentration data to estimate the individual patient’s pharmacokinetic parameters for a particular drug, and calculate an appropriate dosage regimen for the patient.
9. Provide recommendations to the health care team using appropriate oral and written communication techniques.
10. Analyze and apply clinical pharmacology and pharmacokinetic literature as appropriate to specific patients or drug information queries.

**Assessment:**

1 = unacceptable, 2 = needs improvement, 3 = adequate, 4 = good, 5 = excellent

At the completion of this experiential rotation, the student should be able to:

1. Collect and organize data in a timely fashion 1 2 3 4 5
2. Patient database was complete and student was prepared for patient discussions. 1 2 3 4 5
3. Formulate an appropriate patient-specific problem list 1 2 3 4 5
4. Assess potential drug therapy problems and develop an appropriate intervention and monitoring plan. 1 2 3 4 5
5. Able to successfully implement the plan. 1 2 3 4 5
6. Identify and minimize potential errors in blood sample collection for TDM. 1 2 3 4 5
7. Could determine appropriate drug dosing equations to use for the patient. 1 2 3 4 5
8. Calculation was performed accurately and in a timely fashion. 1 2 3 4 5
9. Integrate clinical pharmacology and pharmacokinetic literature into patient-specific 1 2 3 4 5

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10. Express ideas clearly and succinctly during rounds with the medical team.

11. Effectively communicates with medical and nursing staff.

12. Provides accurate, clear, succinct, and legible written documentation in the patient’s chart.

13. Develop a positive professional relationship with medical and nursing staff.

14. Demonstrate good judgment and assertiveness if he/she believes an error has been made.

15. Readily admits to what he/she does not know but is able to find the required information in a timely fashion.

16. Arrives to rounds and meetings on time and completes all assignments in a timely manner.

17. Demonstrates an overall improvement of the above criteria during the rotation.

Total Points (85 possible): _______
Paper or oral presentation grade (15 possible):_______

Overall Evaluation = Total Points _____ / 100 = _____ %