

Elective Description

Campus: Southwest (Bismarck)

Elective/Experience Title: ICU-Cardiology-Pulmonology

Location of Elective: St. Alexius Medical Center – Bismarck, ND

Department: Internal Medicine

Course Number: IMED 9107

Preceptor(s): Rafael Coplin, MD; John Hoyt, MD; Alfredo Iardino, MD; Robert Oatfield, MD; Monica Paulo, MD; Hirsh Sharma, MD; Emily Shay, MD; & Steven Yoon, MD

Period(s) Offered: all

Number of students per period: 1

Course Prerequisites: Completion of Internal Medicine Clerkship

Revised Curriculum Phase(s): 2 & 3

Purpose: To increase the student's knowledge and clinical skills in critical care medicine to include the appropriate performance of selected procedures.

Objectives: Following successful completion of this elective, the student will be able to:

1. Describe anatomic considerations, pathophysiology, and pharmacology as applied to critical care patients
2. Discuss invasive hemodynamic monitoring as applied to critical care patients
3. Perform critical care patient assessment including: histories, physical examinations and interpretation of laboratory tests.
4. Interpret hemodynamic data and blood gas analysis.
5. Prepare a case presentation.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Daily teaching rounds with critical care faculty including anesthesiology
2. Daily didactic sessions involving anatomy, physiology, and pharmacology appropriate to critical care.
3. Participation in invasive line placement and intubation.

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Directly observe and critique the student's ability to appropriately complete assessment in the critical care patient including: history, physical examination, interpretation of laboratory results, and interpretation of hemodynamic monitoring.
3. Directly observe the student's skill in performance of authorized procedures.
4. Directly observe the student's skill in performance of case summarization and oral presentation.
5. Review the student's written materials including: histories and physicals, progress notes and consultations.
6. Review the student's knowledge of critical care medicine through discussions of patient clinical courses, ventilator settings, hemodynamics and use of vasodilators.
7. Review the student's ability to appropriately communicate in a "360" fashion.