



IMED 605/605s Critical Care Medicine

Elective Description

This purpose of the elective clerkship is to expose the student to the management of critically ill patients. The student will review relevant pathophysiology of presenting problems and therapies with an emphasis on diagnosis and management of critically ill patients.

Credit: 2-4 semester credits

Prerequisite: IMED 500

Entrustable Professional Activities

As a fourth-year student, the focus of skills development are those tasks important for entering residency training:

- Gather a history and perform a physical exam
- Prioritize a differential diagnosis following a clinical encounter
- Recommend and interpret common diagnostic and screening tests
- Enter and discuss orders and prescriptions
- Document a clinical encounter in the patient record
- Provide an oral presentation of a clinical encounter
- Form clinical questions and retrieve evidence to advance patient care
- Give or receive a patient handover to transition care responsibility
- Collaborate as a member of an inter-professional team
- Recognize a patient requiring urgent or emergent care and initiate evaluation and management
- Obtain informed consent for tests and/or procedures
- Perform general procedures of a physician
- Identify systems failures and contribute to a culture of safety and improvement

General Clerkship Objectives

Medical Knowledge

- Be able to discuss the basic science concepts regarding circulatory blood flow, oxygen, and carbon dioxide transport.

Patient Care

- Perform an initial assessment and recognize the seriously ill patient.
- Become familiar with preventive practices in the ICU regarding infection control; alimentary and venous thromboembolism prophylaxis and nutrition.
- Become familiar with the management of emergent disorders including:
 - Anaphylaxis
 - Hypertensive emergency
 - Hyperthermic emergency
 - Hypothermic emergency

- Poisoning and overdose
- Acute abdominal surgical emergencies
- Sepsis – understand the pathophysiology and diagnoses
- Shock – hypovolemic, cardiogenic, neurogenic, septic, anaphylactic
- Acid-base disorders, renal and electrolyte disturbances associated with hyperkalemia, hypokalemia, hypercalcemia; disorders of magnesium and phosphorous
- Respiratory failure – hypoxic and hypercarbia. Understand mechanical ventilation including noninvasive and invasive.
- Become familiar with vascular access and hemodynamic monitoring including arterial blood pressure, pulmonary artery catheter, central venous pressure, wedge pressure, tissue oxygenation measurements.
- Learn skills and techniques in providing supportive care in critical illness and providing comfort care at the end of life.

Sub-Internship

This elective may be taken as a sub-internship after completing IMED 605. The minimal expectations for a sub-internship elective:

- An inpatient rotation that gives the sub-intern primary responsibility for providing care
- Be developmental, consolidating and refining the knowledge and skills acquired during core clerkships
- Insure increased responsibility in the evaluation and management of acutely ill, hospitalized patients in directly supervised patient-care settings
- Promote development of effective inter-professional teamwork and communication Skills

The sub-internship must contain rigorous expectations that define:

- Level of supervision
- Duty-hour regulations and clinical workload typical of an intern
- Care transitions and cross-coverage responsibilities
- Access to EHRs
- Opportunities for evidence-based, high value care practice

Prerequisite: IMED 605

REQUIRED TEXTBOOKS and Other Resources

Harrison's Textbook of Internal Medicine

Marino PL. 2014. The ICU Book, 4th edition, Lippincott Williams and Wilkins

Evaluation

The evaluation will include the entrustable professional activities. The clerkship preceptor will evaluate those relevant to this clerkship experience.

GRADES

This elective is graded Satisfactory/Unsatisfactory.

POLICIES

ACADEMIC DISHONESTY

The University holds its students to the highest standards of intellectual integrity. Therefore, the attempt of any student to pass any examination by improper means, present work which the student has not performed or aid and abet a student in any dishonest act may result in disciplinary action including immediate dismissal. Any student witnessing or observing a perceived violation of academic dishonesty is required to report it as outlined in the Guidelines. Students failing to report an observed violation may also receive disciplinary action.

ATTENDANCE POLICIES

Attendance of lectures and laboratories is based on the University's stated attendance policy. Refer to the Student handbook for more information.

CONDUCT

The University expects all students to be responsible individuals who possess the highest standards of integrity, honesty and personal conduct. These traits are prerequisites to independent learning, professional development, the successful performance of academic and clinical assignments, and the conduct of one's personal life. Accordingly, students are expected to adhere to a standard of behavior consistent with the University's high standards at all times off and on campus. Compliance with institutional rules and regulations, in addition to city, state and federal laws, is expected.

COPYRIGHT POLICY

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DRESS CODE

All students are expected to maintain the highest standards of professional appearance at all times. During years one and two and while on campus. Medical students are required to wear scrubs or white coats with appropriate dress. Appropriate dress for clinical students includes business slacks with open-collar shirt for men, and business slacks or skirt with professional shirt or sweater for women.

Trinity School of Medicine Faculty Contact Information

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