

## CRITICAL CARE (ICU)

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<b>OFFICE LOCATION:</b>	Medical Education Building

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### Description:

This elective in critical care will offer exposure to patients with multiple systems organ failure and acute traumatic illnesses admitted to Windsor Regional Hospital Ouellette Campus. This 20 bed unit and major referral centre for Erie St Clair LHIN will provide exposure to critically ill patients with diverse diagnoses including polytrauma, medical and surgical patients, as well as renal dialysis and the neurosciences.

This rotation will help develop the student's ability to assess, resuscitate based on ACLS and ATLS guidelines, and manage critically ill patients by being an integral member of the critical care team. We tailor the experience to the students' abilities, needs and interests. Our multidisciplinary Critical Care rounds, bedside teaching and small group learning form an integral part of the educational process.

We provide the student with an opportunity to acquire confidence in the clinical assessment of critically-ill patients. These valuable skills and knowledge will help to prepare the student for any discipline or type of centre the student will eventually choose as a career path.

During this 2 week elective students will be expected to accept responsibility for the initial and daily evaluation of patient(s), as assigned by the senior resident and/or consultant. On call coverage is not mandatory.

### Objectives:

- a) Correctly interpret a blood gas.
- b) Interpret a CXR and provide a differential diagnosis for the findings.
- c) Describe the basic approach to the initial stabilization and management of a patient with increased intracranial pressure.
- d) Define acute lung injury and demonstrate an understanding of some of the management strategies.
- e) Demonstrate an understanding of the basic physiologic principles, differential diagnosis and initial management of shock.
- f) Demonstrate an understanding of the principles of mechanical ventilation.
- g) Explain the principles of infection control in the ICU setting and understand the role that resistant organisms play in the clinical course of the critically ill.

- h) Describe the possible presentation of metabolic disorders in critically ill patients.
- i) Demonstrate the ability to rapidly ascertain the clinical stability of the acutely ill patient and prioritize therapeutic interventions.
- j) Demonstrate an appreciation of the patterns of physiological dysfunction associated with multi-system failure.

**EVALUATION:**

This will be based on observation of the student's performance and the Summative Clinical Electives Assessment

**LOTTERY:**

**Critical Care (ICU) Electives are ONLY available via the On-line Electives Lottery – 1 student per Block**