

EMERGENCY MEDICINE

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OFFICE LOCATION:	Medical Education Building

This clinical oriented elective provides the students with an opportunity for first contact with a wide range of clinical problems. Students will be expected to assess and manage emergency and non-emergency patients as they present to the Emergency Department. Students will participate as a member of the Emergency team in resuscitating critically ill patients. Due to the nature of the Emergency Medicine rotation, students will be expected to work varying shifts at Windsor Regional Hospital – Ouellette Campus. Students will be evaluated by all Emergency staff physicians based on their clinical performance in Emergency.

Objectives:

1. Distinguish the seriously ill and injured patients from those with minor conditions.
2. Recognize and rapidly treat life-threatening or limb-threatening conditions as they initially present to the Emergency Department.
3. Stabilize the acutely ill patient and initiate appropriate management and referral.
4. Establish priorities in management of multiple patients.
5. Recognize and initiate treatment of minor or non-acute illnesses and injuries.
6. Be familiar with and make efficient use of laboratory and other investigational modalities available to the Emergency Department.
7. Demonstrate clinical judgment in decisions regarding referral of patients and/or requirement for follow-up care.
8. Have some familiarity with basic procedural skills and techniques essential to the practice of Emergency Medicine.
9. Have a rudimentary understanding of special areas of expertise in Emergency Medicine outside of the Emergency Department (e.g., pre-hospital care, trauma systems, disaster planning, poison control systems, etc.)
10. Show an understanding of the principles of consent to treatment in the Emergency setting.
11. The following specific areas of learning should be included (but not considered comprehensive):
 - Resuscitation
 - Acute disorders by body system
 - Trauma
 - Toxicology
 - Environmental disorders
 - Acute age-related disorders
 - Emergency medical services systems
 - Technical/procedural skills in Emergency Medicine
12. The clinical clerk will demonstrate an approach to the assessment and management of patients presenting in the Emergency Department with any complaint/problem, including:

- Chest pain
- Shock
- Upper gastrointestinal hemorrhage
- Acute shortness of breath
- Upper airway obstruction/compromise
- Upper and lower respiratory infections
- Acute abdominal pain
- Acute flank pain
- Vomiting
- Vaginal bleeding
- Pelvic pain
- Red eye
- Hypothermia, hyperthermia
- Joint pain
- Back pain
- Neck pain
- Dysuria
- Sexual assault
- Decreased level of consciousness
- Acute intoxication
- Seizures
- Headache
- Weakness
- Acute confusion
- Suicidal ideation
- Acute behavioural disturbances
- Epitaxis
- Extremity injuries
- Burns
- Electrical injuries
- Animal bites

13. The trainee will demonstrate technical competence as well as be able to list or describe the indications for, contraindications to, complications and adverse effects of, and the obtaining of informed consent for the following procedures:

- Upper airway management including intubation
- Ventilator support and oxygen therapy
- External chest compression (CPR)
- Arterial puncture
- Venous access
- Spinal and extremity immobilization including collar, fracture board, splint
- Gastric intubation
- Needle and tube thoracostomy
- Local anaesthetic
- Wound management, including suturing
- Anterior nasal packing
- Slit lamp eye assessment and tonometry
- Incision and drainage of abscesses
- Electrocardiography

- Application of external pacemakers
 - Spirometry
 - Defibrillation/cardioversion
 - Foreign body removal – soft tissue and eye.
14. Conduct patient-centered interviews that explore the patient's feelings, ideas, impact on function, and expectations.
 15. Develop relationships with patients characterized by compassion, empathy, respect, and genuineness, demonstrating a willingness to collaborate with the patient about management.
 16. Perform a physical examination without causing the patient embarrassment.
 17. Adapt treatment plans to the individual with consideration for the patient's age, general health, special needs, expectations, cultural background, progress, or changes in condition.
 18. Demonstrate skill in communication of information with clear, concise explanations that are understandable to patients.
 19. Recognize risk factors and be able to counsel patients on risk reduction.
 20. Identify the rights and legal responsibilities of physicians to patients and the community.
 21. Describe the determinants of health and apply them appropriately to enhance individual and community well-being.
 22. Apply the concept of cost-effectiveness to public health interventions.
 23. Demonstrate skill in self-directed learning by:
 - a. Ability to identify areas of deficiency in one's own knowledge and skills.
 - b. Ability to find appropriate educational resources.
 - c. Ability to evaluate personal learning progress.
 - d. Ability to use new knowledge in the care of patients.
 24. Determine the validity and applicability of published data through critical appraisal.
 25. Demonstrate the ability to work effectively as a member of a team, as participant or leader.
 26. Collaborate effectively with patients and families without having to take charge.
 27. Demonstrate skill in finding common ground when differences of opinion exist.
 28. Establish effective relationships with colleagues and other member of the health care team by:
 - a. Considering their suggestions and criticisms.
 - b. Tactful handling of differences of opinion.
 29. Demonstrates the ability to place the needs of patients and families first.
 30. Demonstrates honesty and trustworthiness in assessment, study and learning.
 31. Demonstrates responsibility and respect.
 32. Recognize personal biases and ensure that they do not interfere with the patient's best interests.
 33. Be willing to seek help, advice or consultation when needed.
 34. Respond to personal and family needs and develop effective support systems
 35. Assist patients in accessing the health care system for physical, psychological, social, and economic rehabilitation or long-term care.
 36. Use the concepts of evidence-based medicine to guide patient care decisions.
 37. Identify potential conflict between individual and population interests and seek advice from others.
 38. Assess the effectiveness of practice and engage in continuous quality improvement.

EVALUATION: Summative Clinical Elective Assessment completed by the Academic Director

LOTTERY: Emergency Medicine electives are **ONLY** available via the On-line Electives Lottery – 2 Students per Block