

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN ADULT EMERGENCY MEDICINE



GENERAL

Each resident enrolled in the program will complete five months of adult emergency medicine training with a minimum of three of these months being spent in the capacity of a senior emergency medicine resident. The adult emergency rotation will focus on consolidating skills and knowledge to manage emergent conditions with an emphasis on communication with patients, families and other consultants. The Critical Care rotations will have provided the resident with specific psychomotor skills and knowledge which must be applied in the emergency setting in order to gain proficiency and confidence.

The secondary objective of the adult emergency rotation is to facilitate the resident's growth as a senior resident with commensurate increases in responsibility and emphasis on management of departmental resources and patient disposition. During this time the resident will undertake paper exercises in administration and EMS as well as attending various departmental, institutional and municipal meetings in order to gain an understanding of health care management at various levels. During the last month, the resident should take a charge role in the Emergency Department.

The core curriculum in emergency medicine will highlight critical areas of knowledge. Because of the geographic variables inherent in this program, the core curriculum will be designed to be transportable either as learning modules, pre-recorded didactic sessions, or standardized presentations by staff members at each facility. The residents will develop their critical appraisal skills through attendance at regular journal clubs and co-presentation at core curriculum meetings.

Though not a fix requirement in the program, research projects will be encouraged and supportive by faculty members at all sites.

MEDICAL EXPERT

1. To develop skills with clinical assessment.
2. To demonstrate a skilled physician exam.
3. To develop appropriate differential diagnoses.
4. To exhibit appropriate knowledge of diagnostics.
5. To exhibit appropriate knowledge of therapeutics.
6. To accurately identify problems in the emergency patient.
7. To develop an approach to resuscitation situations.
8. To demonstrate knowledge in the management of:
 - 8.1 Trauma
 - 8.2 Environmental injuries
 - 8.3 Toxicology/Hazardous materials exposure
 - 8.4 Acute social situational crisis
 - 8.5 Sexual assault
 - 8.6 Cardio-respiratory failure
 - 8.7 Altered level of consciousness

9. To demonstrate knowledge in the management of the 35 key priority CFPC(EM) topics:

- Abdominal pain
- Abuse (domestic)
- Airway management
- Analgesia/sedation
- Anaphylaxis
- Arrhythmia
- Asthma/COPD
- Burns
- Cerebrovascular accident (CVA)
- Chest pain
- Common fractures/MSK injury
- Continuous quality improvement (CQI)
- Critical appraisal
- Decreased level of consciousness
- Deep venous thrombosis (DVT)/pulmonary embolus (PE)
- Delirium/agitation
- Emergency medical services (EMS)
- Environmental
- Eye: red eye, loss of vision
- First-trimester bleeding
- Gastro intestinal (GI) bleed
- Headache
- Infectious diseases
- Ischemic heart disease
- Lacerations
- Multiple patients
- Multiple trauma
- Pediatric fever
- Pre-eclampsia
- Pulmonary edema
- Seizures
- Shock/dehydration
- Shortness of breath
- Suicide risk
- Toxicology

10. Technical Skills – to develop the following technical skills:
 - 10.1 Airway management
 - 10.2 Tube Thoracostomy
 - 10.3 Hemodynamic monitoring and therapeutics
 - 10.4 Central vascular access
 - 10.5 Arthrocentesis
 - 10.6 Use of analgesics/anaesthesia and procedural sedation
 - 10.7 Lumbar puncture
 - 10.8 Fracture/dislocation of abscesses
 - 10.9 Incision and drainage of abscesses
 - 10.10 Wound management
 - 10.11 Nasal packing
 - 10.12 Other procedures

COMMUNICATOR AND COLLABORATOR

1. To understand how to communicate effectively with patients & family.
2. To understand and demonstrate patient-centered orientation.
3. To involve patient & family in management plan.
4. To understand and demonstrate integrity, honesty, and compassion.
5. To understand and demonstrate appropriate patient-physician boundaries.
6. To apply legal and ethical principles appropriately.
7. To ascertain and respond appropriately to patients' psychosocial issues.

MANAGER

1. To understand the role of emergency departments in the community.
2. To recognize the roles of, and interact effectively with other specialty consultants.
3. To demonstrate the ability to effectively work within a multi-disciplinary team.
4. To demonstrate the ability to effectively approach uncertainty and ambiguity.
5. To demonstrate team-based leadership skills.
6. To be aware of personal limitations and appropriately seeks assistance.
7. To follow through on commitments.
8. To understand the principles of regional trauma/disaster medicine.
9. To understand the principles of organ donation and procurement.
10. To effectively manage externally referred patients.
11. To understand the principles of providing EM support to family physicians.
12. To provide appropriate advice to external physicians seeking ED.

HEALTH ADVOCATE

1. To demonstrate patient advocacy and respect for personal directives.
2. To understand and apply patient-centered care in the acutely injured patient.
3. To understand the role of ethics in treatment decisions in the critically injured patient.
4. To understand the importance and role of support services in the patient including social work, clergy, physiotherapy, occupational therapy.
5. To understand the importance of cultural awareness and sensitivity in care of the patient.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To demonstrate skills using and critically appraising evidence.
3. To understand the principles of quality assurance/improvement.
4. To demonstrate initiative and self-directed learning.
5. To effectively manage time for learning and patient care.
6. To teach junior learners effectively.
7. To demonstrate the effective and ethical use of ED resources.
8. To demonstrate understanding of the principles of triage and appropriate resource allocation.
9. To appropriately use relevant community and hospital resources.
10. To effectively manage ED human and physical resources.
11. To effectively use ED information technology for patient care.
12. To appropriately use diagnostic imaging and laboratory services.
13. To recognize situations when patients require hospital admission.
14. To recognize situations when FM or specialty consultation is required.
15. To arrange appropriate outpatient follow-up and consultation.
16. To manage multiple patients simultaneously, effectively and safely.
17. To understand the principles of ED security and safety of ED personnel.
18. To understand the principles of patient flow and ED overcrowding.
19. To understand the principles of risk management in the ED setting.

Professional

1. To be punctual, reliable, and consistent in the management of emergent patients.
2. To be empathetic and patient-centered in the care of the acutely injured patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the emergency department.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN ANAESTHESIOLOGY



GENERAL

The Anaesthesiology rotation is intended to provide residents with an opportunity for involvement in the pre-operative assessment, OR Anesthetic and immediate post-operative (recovery room) management of patients undergoing general or regional anesthesia, as well as being assigned on the daily Anaesthesia OR schedule under the direct supervision of attending Anaesthesia staff.

Depending on circumstances and availability, residents are encouraged to take part in the on-call roster, and attend emergent consultations for airway management or procedural sedation.

MEDICAL EXPERT

1. To develop the clinical assessment of the airway and recognize the difficult airway.
2. To demonstrate a skilled physician exam.
3. To exhibit appropriate knowledge of airway management principles.
4. To exhibit appropriate knowledge of mechanical ventilation.
5. To exhibit appropriate knowledge of vascular access.
6. To exhibit appropriate knowledge of fluid and blood product administration.
7. To exhibit appropriate knowledge of invasive and non-invasive monitoring.
8. To exhibit appropriate knowledge of the pharmacology of relevant agents.
9. To exhibit appropriate knowledge of the principles of pain control.
10. Accurately identify problems in the sedated/paralyzed patient.
11. Technical Skills – to develop skills in the following:
 - 11.1 Oral and nasal airway insertion.
 - 11.2 Endotracheal intubation.
 - 11.3 Use of various airway alternatives (bougie, lightwands and LMA).
 - 11.4 Use of paralytics and contraindications.
 - 11.5 Arterial and venous vascular access.
 - 11.6 Use of topical, local, and regional anaesthesia.
 - 11.7 Use of analgesics.
 - 11.8 Preparation of the patient for intubation.

COMMUNICATOR AND COLLABORATOR

1. To understand how to communicate effectively with patients & family.
2. To understand and demonstrate patient-centered orientation.
3. When possible, involves patient & family in management plan.
4. To understand and demonstrate integrity, honesty, and compassion.
5. To apply legal and ethical principles appropriately.

MANAGER

1. To understand the role of anaesthesia services.
2. To recognize roles of, and interact effectively with other specialty consultants.
3. To demonstrate the ability to effectively work within a multi-disciplinary team.

4. To demonstrate the ability to effectively approach uncertainty and ambiguity.
5. To demonstrate team-based leadership skills.
6. To be aware of personal limitations and appropriately seeks assistance.
7. To follow through on commitments.

HEALTH ADVOCATE

1. To demonstrate patient advocacy.
2. To understand and apply patient-centered care in the acutely injured patient.
3. To understand the role of ethics in treatment decisions in the critically injured patient.
3. To understand the importance and role of support services in the patient including social work, clergy, physiotherapy, occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the patient.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To demonstrate skill in using and critically appraising evidence.
3. To demonstrate initiative and self-directed learning.
4. To effectively manage time for learning and patient care.
5. To teach junior learners effectively.
6. To demonstrate the effective and ethical use of ED resources.
7. To demonstrate understanding of the principles of triage and appropriate resource allocation.

Professional

1. To be punctual, reliable, and consistent in the management of patients.
2. To be empathetic and patient-centered in the care of the patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the emergency department.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN CORONARY CRITICAL CARE (CCU)
/ED CARDIOLOGY CONSULTS



GENERAL

The CCU rotation is intended to provide residents with an opportunity to consolidate their knowledge of common cardiac emergencies and their treatment. The focus of this rotation is on assessing patients with chest pain and dysrhythmias as well as developing expertise in the administration of thrombolytics, inotropes and other cardiac medications. They should also become familiar with invasive monitoring as it pertains to the cardiac patient, and alternative modes of therapy such as cardiac catheterization, PTCA and intra-aortic balloon pumps. To this end the resident should make every effort to become involved with the management of critically ill patients in the emergency department or the CCU.

MEDICAL EXPERT

1. To develop skills with clinical assessment of the critically ill/injured patient.
2. To demonstrate skilled physical exam.
3. To exhibit appropriate knowledge of diagnostics.
4. To exhibit appropriate knowledge of therapeutics.
5. To accurately identify problems in the critically ill.
6. To develop knowledge of the approach to resuscitation situations.
7. Technical Skills – To develop the following technical skills:
 - 7.1 Airway Management
 - 7.2 Reperfusion strategies
 - 7.3 Hemodynamic monitoring and therapeutics
 - 7.4 Central vascular access
 - 7.5 Decontamination for toxicological problems
 - 7.6 Develop the skill of interpretation of Electrocardiograms

COMMUNICATOR AND COLLABORATOR

1. To understand the roles and responsibilities within the cardiac system.
2. To understand the importance of team work and collaboration with the cardiac team and other consultants involved in cardiac care.
3. To learn various approaches to leadership in cardiac events and in conflict resolution.
4. To understand how to communicate effectively with the family of acutely and critically ill and patients.
5. To understand and demonstrate patient-centered orientation.
6. To involve patient & family in management plan.
7. To demonstrate integrity, honesty, and compassion.
8. To understand and demonstrate appropriate patient-physician boundaries.

MANAGER

1. To understand the appropriate management of time and resources in the cardiac system and how expedient diagnosis and treatment relates to better outcomes.

2. To be aware of the availability, cost and limitations of hospital resources (equipment, personnel, bed availability) and understand how to manage resources.
3. To understand the role of pre-hospital services for the transport of coronary patients.
4. To recognize roles of, and interact effectively with other specialty consultants.
5. To demonstrate the ability to effectively work within a multi-disciplinary team.
6. To demonstrate the ability to effectively approach uncertainty and ambiguity.
7. To demonstrate team-based leadership skills.
8. To be aware of personal limitations and appropriately seeks assistance.
9. To follow through on commitments.

HEALTH ADVOCATE

1. To understand and apply patient-centred care in the critically ill patient.
2. To understand the role of ethics in treatment decisions in the critically ill patient.
3. To understand the importance and role of support services in the cardiac system including social work, clergy, physiotherapy and occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the cardiac patient.
5. To provide accurate and organized documentation of patient care.
6. To demonstrate patient advocacy and respect for end-of-life issues.
7. To demonstrate the understanding of the principles of triage and appropriate resource allocation.
8. To appropriately use relevant community and hospital resources for discharged patients.

SCHOLAR

1. To understand how to apply best practices in the management of the cardiac patient by means of critical appraisal of the literature.
2. To demonstrate initiative and self-directed learning.
3. To effectively manage time for learning and patient care.
4. To teach junior learners effectively.
5. To participate and present in group learning events (rounds).

Professional

1. To be punctual, reliable, and consistent in the management of cardiac patients.
2. To be empathetic and patient-centered in the care of the acutely injured patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the cardiac system.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN CRITICAL CARE (ICU – MED/SURG)



GENERAL

The Critical Care - ICU rotations provide the resident with an opportunity to assess and treat patients with critical illness in a controlled environment. This is the best opportunity to gain experience in advanced procedures such as central line insertion and hemodynamic monitoring, as well as the use of many drugs for intravenous therapy.

MEDICAL EXPERT

1. To develop skills with clinical assessment of the critically ill/injured patient.
2. To demonstrate skilled physical exam.
3. To exhibit appropriate knowledge of multi-system disease.
4. To exhibit appropriate knowledge of diagnostics.
5. To exhibit appropriate knowledge of therapeutics.
6. To accurately identify problems in the critically ill.
7. To develop an approach to resuscitation situations.
8. Technical Skills – To develop technical skills in the following:
 - 8.1 Airway Management
 - 8.2 Mechanical ventilation management
 - 8.3 Hemodynamic monitoring and therapeutics
 - 8.4 Central vascular access
 - 8.5 Decontamination for toxicological problems
 - 8.6 Use of analgesics/anaesthesia and procedural sedation

COMMUNICATOR AND COLLABORATOR

1. To understand the roles and responsibilities within the critical care system.
2. To understand the importance of team work and collaboration with the critical care team and other consultants involved in critical care.
3. To learn various approaches to leadership in critical care events and in conflict resolution.
4. To understand how to communicate effectively with the family of acutely and critically ill/injured and patients.
5. To understand and demonstrate patient-centered orientation.
6. To involve patient & family in management plan.
7. To demonstrate integrity, honesty, and compassion.
8. To understand and demonstrate appropriate patient-physician boundaries.

MANAGER

1. To understand the appropriate management of time and resources in the critical care system and how expedient diagnosis and treatment relates to better outcomes.
2. To be aware of the availability, cost and limitations of hospital resources (equipment, personnel, bed availability) and understand how to manage resources.
3. To understand the role of pre-hospital services for the transport of critically ill/injured patients.
4. To recognize roles of, and interact effectively with other specialty consultants.

5. To demonstrate the ability to effectively work within a multi-disciplinary team.
6. To demonstrate the ability to effectively approach uncertainty and ambiguity.
7. To demonstrate team-based leadership skills.
8. To be aware of personal limitations and appropriately seeks assistance.
9. To follow through on commitments.
10. To understand the principles of regional trauma/disaster medicine.
11. To understand the principles of organ donation and procurement.

HEALTH ADVOCATE

1. To understand and apply patient-centred care in the critically ill/injured patient.
2. To understand the role of ethics in treatment decisions in the critically ill/injured patient.
3. To understand the importance and role of support services in the critical care system including social work, clergy, physiotherapy and occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the critically ill/injured patient.
5. To provide accurate and organized documentation of patient care.
6. To demonstrate patient advocacy and respect for end-of-life issues.
7. To demonstrate the understanding of the principles of triage and appropriate resource allocation.
8. To appropriately use relevant community and hospital resources for discharged patients.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To understand how to apply best practices in the management of the critically ill/injured patient by means of critical appraisal of the literature.
3. To demonstrate initiative and self-directed learning.
4. To effectively manage time for learning and patient care.
5. To teach junior learners effectively.
6. To participate and present in group learning events (rounds).
7. To effectively manage ICU human and physical resources.

Professional

1. To be punctual, reliable, and consistent in the management of critically ill/injured patients.
2. To be empathetic and patient-centered in the care of the acutely injured patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the critical care system.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ELECTIVE ROTATION



GENERAL

The goals and objectives of the elective rotation to be submitted and approved by the Program Director prior to the commencement of the elective.

MEDICAL EXPERT

1. To develop skills with clinical assessments.
2. To demonstrate a skilled physical exam.
3. To develop appropriate differential diagnosis.
4. To exhibit appropriate knowledge of therapeutics.
5. To demonstrate knowledge of the elective topic and its' relevance to Emergency Medicine.
6. To become familiar with the technical skills that are relevant to the elective topic.

COMMUNICATOR AND COLLABORATOR

1. To understand how to communicate effectively with patients & family.
2. To understand and demonstrate patient-centered orientation.
3. To involve patient & family in management plan.
4. To understand and demonstrate integrity, honesty, and compassion.
5. To understand and demonstrate appropriate patient-physician boundaries.
Patients.
6. To apply legal and ethical principles appropriately.
7. To ascertain and respond appropriately to patients' psychosocial issues.

MANAGER

1. To recognize the role of, and interact effectively with other specialty consultants.
2. To demonstrate the ability to effectively work within a multi-disciplinary team.
3. To demonstrate the ability to effectively approach uncertainty and ambiguity.
4. To be aware of personal limitations and appropriately seeks assistance.
5. To follow through on commitments.

HEALTH ADVOCATE

1. To demonstrate patient advocacy and respect for personal directives.
2. To understand and apply patient-centered care in the acutely injured patient.
3. To understand the role of ethics in treatment decisions in the critically injured patient.
3. To understand the importance and role of support services in the patient including social work, clergy, physiotherapy, occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the patient.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To demonstrate skill in using and critically appraising evidence.
3. To understand the principles of quality assurance/improvement.
4. To demonstrate initiative and self-directed learning.
5. To effectively manage time for learning and patient care.
6. To teach junior learners effectively.
7. To demonstrate the effective and ethical use of resources.
8. To appropriately use relevant community and hospital resources.
9. To effectively use ED information technology for patient care.
10. To appropriately use diagnostic imaging and laboratory services.

Professional

1. To be punctual, reliable, and consistent in the management of patients.
2. To be empathetic and patient-centered in the care of the patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN ORTHOPEDIC AND PLASTIC SURGERY



GENERAL

During the combined Orthopedic & Plastic Surgery rotation, the resident will be assigned to the Adult Orthopedic service morning clinic and the Adult Plastic Surgery service afternoon clinic throughout the week, as well as being available to answer floor call throughout the day and assist in the OR, if necessary, and other duties as required.

Residents will be available to take one in four on-call carrying the pager for both services while on-call. Ideally, residents would also cover daytime calls from the Emergency Department for both services throughout the month as well.

The combined Orthopedic & Plastic Surgery rotation primary goal is for the residents to be included in the assessment, ED management and follow-up of minor and major orthopedic trauma, hand/facial trauma, soft-tissue infections and burns. ED and OPD experience are considered a priority over the operating room.

MEDICAL EXPERT

Orthopedic Surgery:

1. To develop skills with clinical assessments.
2. To demonstrate a skilled physical exam.
3. To exhibit appropriate knowledge of acute orthopedic conditions.
4. To exhibit appropriate knowledge of fracture / dislocation management.
5. To exhibit appropriate knowledge of early and late complications of orthopedic injuries.
6. To understand principles of spinal injury.
7. To develop an approach to open orthopedic injuries.
8. To develop an approach to orthopedic injuries with neurovascular compromise.
9. To understand principles of soft tissue (muscles, ligaments, tendons) injuries.
10. To develop an ability to diagnose and manage compartment syndrome.
11. To develop an ability to diagnose and manage septic arthritis.
12. To understand the principles of pelvic fractures.
13. To understand indications for urgent and elective orthopedic referral.
14. To understand the principles of diagnostic imaging for orthopedics.
15. Technical Skills – To develop technical skills in the following areas:
 - 15.1 Reduction of fractures and dislocations
 - 15.2 Arthrocentesis
 - 15.3 Casting and splinting

Plastic Surgery:

1. To develop the skill of clinical assessments for plastic surgery.
2. To demonstrate a skilled physical exam.
3. To exhibit appropriate knowledge of acute soft tissue injuries.
4. To exhibit appropriate knowledge of wound and bite management.

5. To exhibit appropriate knowledge of soft tissue infections.
6. To understand principles of burns (thermal, electrical, chemical).
7. To develop an approach to wrist and hand injuries.
8. To develop an approach to facial injuries.
9. To understand indications for urgent and elective plastic surgery referral.
10. To understand the principles of diagnostic imaging for plastic surgery.
11. Technical Skills – To develop technical skills in the following areas:
 - 11.1 Reduction of hand fractures and dislocations
 - 11.2 Wound closure
 - 11.3 Casting and splinting
 - 11.4 Revision amputation
 - 11.5 Extensor tendon repair

COMMUNICATOR AND COLLABORATOR

1. To understand how to communicate effectively with patients & family.
2. To understand and demonstrate patient-centered orientation.
3. To involve patient & family in management plan.
4. To understand and demonstrate integrity, honesty, and compassion.
5. To understand and demonstrate appropriate patient-physician boundaries. Patients.
6. To apply legal and ethical principles appropriately.

MANAGER

1. To recognize the role of, and interact effectively with other specialty consultants.
2. To demonstrate the ability to effectively work within a multi-disciplinary team.
3. To demonstrate the ability to effectively approach uncertainty and ambiguity.
4. To demonstrate team-based leadership skills.
5. To be aware of personal limitations and appropriately seeks assistance.
6. To follow through on commitments.

HEALTH ADVOCATE

1. To demonstrate patient advocacy and respect for personal directives.
2. To understand and apply patient-centered care in the injured patient.
3. To understand the role of ethics in treatment decisions in the injured patient.
3. To understand the importance and role of support services in the patient including social work, clergy, physiotherapy, occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the patient.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To demonstrate skill in using and critically appraising evidence.
3. To demonstrate initiative and self-directed learning.
4. To effectively manage time for learning and patient care.
5. To teach junior learners effectively.

6. To demonstrate the effective and ethical use of health care resources.
7. To demonstrate understanding of the principles of triage and appropriate resource allocation.
8. To appropriately use relevant community and hospital resources for discharged patients.
9. To recognize suspected cases of abuse/assault and invokes appropriate crisis intervention.

Professional

1. To be punctual, reliable, and consistent in the management of patients.
2. To be empathetic and patient-centered in the care of the patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN PEDIATRIC EMERGENCY MEDICINE



GENERAL

The Pediatric Emergency rotation will focus on consolidating skills and knowledge to manage emergent conditions with an emphasis on communication with pediatric patients, families and other consultants.

Residents will be responsible for the evaluation, investigation and management of patients presenting to the pediatric ED.

The secondary objective of the Pediatric Emergency rotation is to facilitate the resident's growth as a senior resident with commensurate increases in responsibility and emphasis on management of departmental resources and pediatric patient disposition.

Resident independence and responsibility will be graded according to resident training level and ability.

Residents will lead the evaluation and resuscitation of unstable patients under the direct supervision of the attending Emergency Physician.

Objectives for clinical experiences / rotations are listed as key competencies. Clinical experiences will be supplemented by the academic core curriculum, simulation and cadaver labs (utilizing clinical grade cadavers).

MEDICAL EXPERT

1. To develop skills with pediatric clinical assessment.
2. To demonstrate a skilled physical exam.
3. To develop appropriate differential diagnoses.
4. To exhibit appropriate knowledge of diagnostics.
5. To exhibit appropriate knowledge of therapeutics.
6. To accurately identify problems in the pediatric emergency patient.
7. To develop an approach to resuscitation situations.
8. To demonstrate knowledge in the management of:
 - 8.1 Trauma.
 - 8.2 Environmental injuries.
 - 8.3 Toxicology/hazardous materials exposure.
 - 8.4 Child abuse/neglect.
 - 8.5 Sexual assault.
 - 8.6 Febrile child at different ages.
 - 8.7 Septic child.
 - 8.8 Respiratory emergencies.
 - 8.9 Fluid and electrolyte disturbances.
 - 8.10 Feeding problems.
 - 8.11 Irritable child.
 - 8.12 Seizures.
 - 8.13 Normal growth and development.

9. Technical Skills— to develop technical skills in the following:
 - 9.1 Airway management.
 - 9.2 Tube Thoracostomy.
 - 9.3 Hemodynamic monitoring and therapeutics.
 - 9.4 Central vascular access.
 - 9.5 Use of analgesics/anaesthesia and procedural sedation.
 - 9.6 Lumbar puncture.
 - 9.7 Fracture/dislocation reduction.
 - 9.8 Incision and drainage of abscesses.
 - 9.9 Wound management.
 - 9.10 Foreign body removal.
 - 9.11 Other procedures.

COMMUNICATOR AND COLLABORATOR

1. To understand how to communicate effectively with pediatric patients according to their age.
2. To communicate effectively with the caregivers/family.
3. To understand and demonstrate patient-centered orientation.
4. To involve patient & family in management plan.
5. To understand and demonstrate appropriate patient/family-physician boundaries.
6. To apply legal and ethical principles appropriately.
7. To ascertain and respond appropriately to patients' psychosocial issues.

MANAGER

1. To understand the role of pediatric emergency departments in the community.
2. To recognize the roles of, and interact effectively with other specialty consultants.
3. To demonstrate the ability to effectively work within a multi-disciplinary team.
4. To demonstrate the ability to effectively approach uncertainty and ambiguity.
5. To demonstrate team-based leadership skills.
6. To be aware of personal limitations and appropriately seeks assistance.
7. To follow through on commitments.
8. To understand the principles of regional trauma/disaster medicine.
9. To understand the principles of organ donation and procurement.
10. To effectively manage externally referred patients.
11. To understand the principles of providing EM support to family physicians/pediatricians.
12. To provide appropriate advice to external physicians seeking Emergency Department consultation.

HEALTH ADVOCATE

1. To demonstrate patient advocacy and respect for personal directives.
2. To understand and apply patient-centered care in the acutely injured patient.
3. To understand the role of ethics in treatment decisions in the critically injured patient.
3. To understand the importance and role of support services in the patient including social work, clergy, physiotherapy, occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the patient.

SCHOLAR

1. To provide accurate and organized documentation of patient care.
2. To demonstrate skill in using and critically appraising evidence.
3. To understand the principles of quality assurance/improvement.
4. To demonstrate initiative and self-directed learning.
5. To effectively manage time for learning and patient care.
6. To teach junior learners effectively.
7. To demonstrate the effective and ethical use of ED resources.
8. To demonstrate understanding of the principles of triage and appropriate resource allocation.
9. To appropriately use relevant community and hospital resources.
10. To effectively manage ED human and physical resources.
11. To effectively use ED information technology for patient care.
12. To appropriately use diagnostic imaging and laboratory services.
13. To recognize situations when patients require hospital admission.
14. To recognize situations when FM or specialty consultation is required.
15. To arrange appropriate outpatient follow-up and consultation.
16. To manage multiple patients simultaneously, effectively and safely.
17. To understand the principles of ED security and safety of ED personnel.
18. To understand the principles of patient flow and ED overcrowding.
19. To understand the principles of risk management in the ED setting.
20. To recognize issues of child safety in the home and in public places.

Professional

1. To be punctual, reliable, and consistent in the management of emergent patients.
2. To be empathetic and patient-centered in the care of the acutely injured patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the emergency department.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
RESEARCH OBJECTIVES



GENERAL

The residents are expected to complete the Evidence-Based Medicine core curriculum sessions and develop a Critically Appraised Topic for presentation during the designated Research Rounds.

Residents are also encouraged to develop and present a Research Project to be presented at the Annual Emergency Medicine Research Day.

MEDICAL EXPERT

1. To demonstrate the knowledge and understanding of the specific guidelines/requirements of the Research Ethics Board.
2. To understand the ethical principles guiding research, including the foundations of Good Clinical Practice (GCP).
3. To understand the responsibilities of investigators in clinical trials (including the role of EM physicians who may enroll patients on behalf of study investigators).
4. To develop a stronger understanding of the basic design elements of randomized controlled trials and health records reviews.
5. To understand common statistical analyses and be able to apply this knowledge to the critical appraisal of medical literature.
6. To learn to write a scientific abstract suitable for submission to a national or international EM meeting (e.g., CAEP or SAEM).

COMMUNICATOR AND COLLABORATOR

1. To understand and demonstrate appropriate boundaries on obtaining information specific to the research project.
2. To apply legal and ethical principles appropriately.
3. To collaborate effectively with appropriate resources.

MANAGER

1. To understand the basic elements of study design and implementation, including the selection of appropriate methodology and data analysis.
2. To understand ethical principles guiding research.
3. To integrate knowledge from evidence-based medicine into study design.
4. To prepare and submit (where applicable) a research protocol to the relevant Research Ethics Board.
5. Prepare and submit to the Department of Emergency Medicine a CAEP-style abstract describing research project, one month prior to Research Day.
6. Present findings from research project at the annual Emergency Medicine Research Day (May).
7. Awareness of informed consent when utilizing patient information.

HEALTH ADVOCATE

1. To understand the importance of cultural awareness and sensitivity during review of patient information.

SCHOLAR

1. To provide accurate and organized documentation of research project.
2. To demonstrate using and critically appraising evidence for research project.
3. To understand the principles of quality assurance/improvement.
4. To demonstrate initiative and self-directed learning.
5. To effectively manage time for learning and patient care.
6. To demonstrate the effective and ethical use of resources.
7. To appropriately use relevant resources.
8. To effectively manage physical resources.
9. To effectively use information technology for research project, respectively.
10. To appropriately use diagnostic imaging and laboratory services, respectively.

Professional

1. To maintain privacy and confidentiality at all times.
2. To be reliable and consistent in the confidential management of patient records.
2. To be empathetic and sensitive during review of patient records.
3. To be respectful and professional in all interactions with information pertaining to the patient, family, consultants and support staff within the hospital.
4. To recognize the importance of behaving in an ethical and professional manner at all times.

CCFP (EM) RESIDENCY PROGRAM
ROTATION IN TRAUMA



GENERAL

The Trauma rotation provides the resident with an opportunity to assess, potentially stabilize and treat ill trauma patients in a controlled environment with the expectation of managing trauma patients without having a Trauma Team as back up.

Medical Expert

1. To understand the team based approach to resuscitation in the acutely injured patient.
2. To understand the therapeutic interventions (indications, contraindications, adverse outcomes) used in resuscitation which include, but are not limited to: airway management (intubation, surgical airway), needle and chest tube thoracostomy, circulatory access (central line, intra-osseous), emergency thoracotomy, lateral canthotomy, immobilization of unstable fractures, management of epistaxis and complex wound repair.
3. To understand the diagnostic procedures and imaging protocols (indications, contraindications and limitations) used in trauma, including: FAST and EFAST, DPL and DPA, plain urethrogram, CT Scan, CT Cystogram, and MRI.
4. The resident will be assigned to the Trauma Service and will have the opportunity to participate in/lead all trauma activations that occur during their clinical service.
5. The Resident will develop skills pertaining to the triage and stabilization of Mass Casualty Incidents.
6. The Resident will develop knowledge of the Pre-Hospital System as it pertains to Trauma patient management.

Communicator and Collaborator

1. To understand the roles and responsibilities of the TTL within the trauma team (TT) and hospital.
2. To understand the importance of team work and collaboration with the TT and other consultants involved in trauma care.
3. To learn various approaches to leadership in critical events and in conflict resolution.
4. To understand the role of the TTL within the regional trauma system as well as communication with sending hospitals, air ambulance and *Critical*.
5. To understand how to communicate with the family of acutely and critically injured patients

Manager

1. To understand the appropriate management of time and resources in the trauma setting and how expedient diagnosis and treatment relates to better outcomes.
2. To be aware of the availability, cost and limitations of hospital resources (equipment, personnel, bed availability) and understand how to manage these resources.

Health Advocate

1. To understand and apply patient-centered care in the acutely injured patient.
2. To understand the role of ethics in treatment decisions in the critically injured patient.
3. To understand the importance and role of support services in the trauma patient including social work, clergy, physiotherapy, occupational therapy.
4. To understand the importance of cultural awareness and sensitivity in care of the trauma patient.

Scholar

1. To understand how to apply best practices in the management of the trauma patient by means of critical appraisal of the literature.
2. To participate and present in group learning events (trauma rounds, QI rounds).

Professional

1. To be punctual, reliable, and consistent in the management of trauma patients.
2. To be empathetic and patient-centered in the care of the acutely injured patient.
3. To be respectful and professional in all interactions with the patient, family, trauma team, consultants and support staff within the hospital and within the trauma system.
4. To recognize the importance of behaving in an ethical and professional manner at all times.