

**Dalhousie University Family Medicine Enhanced Skills
In Emergency Medicine (Dal ESEM)**



RESEARCH

GENERAL

The residents are expected to complete the Evidence-Based Medicine core curriculum sessions and develop a Critically Appraised Topic (CAT) 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.
3. To be empathetic and sensitive during review of patient records.
4. To be respectful and professional in all interactions with information pertaining to the patient, family, consultants and support staff within the hospital.
5. To recognize the importance of behaving in an ethical and professional manner at all times.