



Division of Hematology and Hematologic Malignancies

Adult Hematology Residency Training Program

Goals & Objectives
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Research Rotation

Hematology Program Director:
Michelle Geddes, MD, FRCPC
Room 601 South Tower, Foothills Hospital
1403 – 29 Street NW
Calgary, Alberta T2N 2T9
Phone: 403-944-1993
Michelle.Geddes@albertahealthservices.ca

Research Rotation

Goals and Objectives, Hematology Residency Training Program

The ability to design and present original research, understand the process of research methods, clinical trial design and interpretation, and well and interpret and perform basic statistical techniques is essential in the ability to perform clinical and laboratory-based research. In addition, these skills are beneficial in helping the clinician to understand and interpret the results of clinical trials. This rotation involves a discrete period of protected time to perform research, however is greatly facilitated by the resident having prepared a research project, designed it and submitted to ethics prior to the start of the research block to allow for most efficient use of time and a productive research experience. This experience is often incurred over an extended period of time during residency. Residents will meet with the Research Mentors in the first two months of residency to help them find a project and are advised to seek research supervisors and research projects early in their residency to allow a well-organized and productive research rotation.

The evaluation must be performed at the end of a research block and again at the completion of a resident research project. All residents must present their research project progress and results as available at the annual resident research day presentations held in June.

Medical Expert

1. Be able to perform a critical evaluation of the scientific literature
2. Develop an appropriate scientific hypothesis from a clinical or scientific question, and apply the process of clinical trial design and health methods.
3. Recognize appropriate use of statistical tests and perform basic statistical analyses.

Communicator

1. Present your research in the form of an abstract, poster or oral presentation at a research meeting in your field or prepare and submit the research for publication.
2. Present your research project, progress and available results at the annual hematology resident research day.
2. Effectively communicate with other members of the research team.
3. Effectively design and obtain informed consent for research from patients when applicable.
4. Maintain appropriate documentation of your research, informed consent, and appropriately and securely store research data in a way that maintains privacy of patient information.

Collaborator

1. Demonstrate an ability to recognize key collaborators and involve them appropriately planning, completing research goals, and assessing study design and data analysis.
2. Involve the appropriate ancillary health services in preparation of ethics applications for approval.
3. Recognize one's own differences and limitations that may potentially contribute to roadblocks in interprofessional team function and endeavour to limit these.

Manager

1. Effectively and appropriately prioritize both clinical professional duties and the allocation of time to perform effective research.
2. Develop a research timeline and adhere to it.

Health Advocate

1. Consider ethical implications of any research project on patients, families and the treating institution including principles of patient safety and avoiding adverse events.
2. Consider potential for improvement in patient outcomes when choosing/designing a project and include these considerations when presenting research outcomes.

Scholar

1. Apply lifelong learning skills to develop an appropriate and meaningful scientific hypothesis for research and effectively design a research project.
2. Investigate health research methods and incorporate this knowledge into study design and analysis.
3. Describe the principles of research ethics.
4. Prepare original research for presentation at a clinical meeting or research day, or prepare research for publication in a scientific journal to effectively disseminate knowledge.

Professional

1. Obtain approval for research projects from the institutional ethics review board.
2. Demonstrate integrity, honesty, responsibility and ethical behaviour when designing and recruiting patients or accessing patient information for research purposes.
3. Demonstrate professional behaviour in interactions with patients, research colleagues and allied health professionals.

4. Recognize the limitations in your expertise and knowledge and appropriately seek out assistance to further research goals