



Queen's
UNIVERSITY

EMERGENCY MEDICINE

Welcome

The Department of Emergency Medicine at Queen's University is proud to offer a five-year residency program in Emergency Medicine, fully accredited by the Royal College of Physicians and Surgeons of Canada. Our program has an excellent national reputation which has allowed us to attract top medical student candidates every year. Our residents come from across the country and choose Queen's Emergency Medicine because of its many strengths, including:

Clinical Exposure

Our residents are fortunate to see a high volume, high acuity, and wide variety of patients which is necessary to become competent specialist Emergency physicians. This includes a high pediatric volume.



Erin Brennan, MD, MMed, FRCPC
Postgraduate Program Director

Exceptional Faculty

Our faculty members are committed to the success of our program. They share a passion for teaching and are incredibly supportive of our residents. Over the last several years, we have welcomed an enthusiastic group of new and talented faculty members with expertise in Critical Care Medicine, Education, Clinical Epidemiology, Trauma, Ultrasound, Disaster Medicine, Resuscitation, Global Health, Addictions, Toxicology, Patient Safety and Quality Improvement.

Simulation

There is extensive expertise in patient simulation at Queen's. Our residents frequently use the new Clinical Simulation Centre, a state-of-the-art facility featuring four simulation labs for high fidelity mannequin scenarios including a complete operating room and two emergency rooms. Our residents and faculty are also active participants in the Simulation Olympics at CAEP.

Exam Preparation

Our Department offers the annual National Review Course in Emergency Medicine, an exam preparation course offered to all PGY5 residents.

Balanced Life Style

We place a heavy emphasis on professional sustainability and resident wellness. The creation of a balanced lifestyle for faculty and residents which celebrates their interests is a major strength of our program.

Environment

Due to the smaller size of our academic centre, faculty and residents from all disciplines get to know each other personally and collaborate well in educational, clinical, and administrative areas. Our residents are a cohesive group who enjoy each others' company and have created an active social atmosphere.

Kingston

The city of Kingston is continually ranked as one of the best places to work and live in Canada. Our residents and staff are happy here and enjoy the high quality of life, abundant attractions, and lower cost of living.

I hope that you will take this opportunity to learn more about our program. If you have any questions about Emergency Medicine at Queen's, please do not hesitate to contact us. I look forward to hearing from you!



Program Structure

Our program was restructured in 2017 as a part of the Competency-Based Medical Education (CBME) initiative. All residency programs at Queen's, including Emergency Medicine, now feature a CBME curriculum that enhances resident education and assessment.

Residents progress through four stages of training during their five years in the program and start with the Transition to Discipline stage in the first year. This is followed by the Foundations of Discipline, Core of Discipline, and Transition to Practice stages. The program is focused on Emergency Medicine but residents will also spend time on targeted off-service

rotations to develop the competencies required to become a specialist in Emergency Medicine.

Residents receive longitudinal exposure to trauma, pediatrics, research, and educational & procedural competencies over the five years of the program

Up to six blocks of elective time in the PGY 4 year may be taken as electives to complete training in an area of interest such as trauma, ultrasound, resuscitation or critical care medicine. Elective time may also be used to supplement training in the resident's chosen Area of Concentrated Expertise (ACE) undertaken during their PGY5 year.

BLOCKS

	1	2	3	4	5	6	7	8	9	10	11	12	13
PGY-1	Emergency Medicine		Emergency Medicine				Anaesthesia		EM/EMS	Pediatric EM	Pediatric EM (CHEO)	Psychiatry	
PGY-2	Emergency Medicine				Critical Care		Internal Medicine	Ob/Gyn	MSK	Plastic Surgery	General Surgery	Geriatrics	
PGY-3	Emergency Medicine			Stroke Call/EM	Pediatric EM (CHEO)	ADMIN	Trauma Elective*	Cardiology			Community EM	Advanced Ultrasound/EM	
PGY-4	Emergency Medicine (7-9 Blocks)								Toxicology	Elective (3-6 Blocks)			
PGY-5	Emergency Medicine						Area of Concentrated Expertise						

Please note: The order of rotations may vary

LEGEND

Transition to Discipline
 Foundation of Discipline
 Core of Discipline
 Transition to Practice

*trauma experience is gained longitudinally; residents take trauma team call during PGY3-5 and participate in all trauma activations that occur when on shift in the ED

The Emergency Medicine residency program is five years in length and each year is divided into thirteen equal blocks of four weeks each. The training program follows a competency-based curriculum and is divided into four stages.

Research

The Department of Emergency Medicine values research and scholarly work. There are numerous faculty members with graduate training in clinical epidemiology and several other faculty dedicated to support resident research. In addition, there is a team of research nurses present in both Emergency Departments available to assist residents with research projects.

Funding is provided for all residents to present at national meetings. The Department also hosts an annual Resident Research Day every Spring.

Many areas of research expertise have been established in which residents can easily become involved and these include Toxicology, Clinical Decision Rules, Injury Surveillance, Emergency Department Ultrasound, Procedural Sedation, Syndromic Surveillance, Trauma, Simulation and Medical Education, Out-of-Hospital Cardiac Arrest, Global Health, and Thrombosis.

Educational Activities

Each summer, residents participate in the Department of Emergency Medicine boot camp. Weekly full-day sessions teach procedural, ultrasound skills, and core content to help get our new residents 'up and running' while providing a refresher and teaching opportunities for more senior residents. During the academic year, residents are excused from clinical

responsibilities for one full day each week so that they may attend an Academic Day to examine a wide range of Emergency Medicine topics in-depth.

Grand Rounds consist of a case presentation by an attending staff member, 1-2 senior residents, and a junior resident on a case-based topic highlighting evidence-based practice. They provide residents with an excellent opportunity to develop their teaching skills.

Core Rounds are presented by staff physicians in a two-year cycle. There is a concentration on disorders of the body systems in the first year, while the subsequent year covers trauma, toxicology, procedural skills, environmental illness, geriatrics, and pediatrics. Non-clinical topics such as ethics and physician wellness are also covered.

Additional educational activities include Junior Resuscitation Simulation Rounds, Trauma Rounds, practice oral and written exams, cadaveric procedure labs, and airway rounds.

We have structured our curriculum for the Leader, Professional and Scholar CanMEDs competencies. Topics such as patient safety, career planning, ED administration and ethics will be taught longitudinally through residency. PGY1 residents now receive a focused teaching on critical appraisal and clinical reasoning for cardinal ED presentations.

Simulation

When the new Queen's medical school building opened in 2011, it included a greatly enlarged Clinical Simulation Centre (CSC) dedicated to excellence in clinical care and patient welfare. Our residents directly benefit from this state-of-the-art facility which recognizes the importance of patient simulation and surgical skills in medical education. The CSC spans more than 8,000 square feet and includes four simulation labs for high fidelity mannequin scenarios including a complete operating room and two emergency rooms. There are also two large surgical skills labs for partial trainers, virtual reality-style simulators, and four debriefing classrooms linked to the simulation labs by one-way mirrors.

Training Sites

Kingston Health Sciences Centre (KHSC) – Kingston General Hospital (KGH) is southeastern Ontario's leading centre for complex-acute and specialty care. It has a busy Emergency Department and as an accredited Level 1 Trauma Centre, also serves as the major referral centre for injured patients in the area. KGH serves almost 500,000 people through its Kingston facility and 24 regional and affiliate sites. It was ranked in 2011 as one of Canada's Top Research Hospitals by Research Infosource.

KHSC – Hotel Dieu Hospital (HDH) is the ambulatory care teaching and research hospital for southeastern Ontario, providing medical care and treatment that does not require an overnight stay.

Residents also complete several rotations in Pediatric Emergency Medicine at the Children's Hospital of Eastern Ontario (CHEO), located in Ottawa, and a toxicology rotation at Sick Kids Hospital in Toronto.



Collegial Environment

The Department has been tremendously successful in creating a collegial learning environment for our residents. Faculty provide leadership and support in all aspects the program; learning is fun and done in a positive and non-intimidating environment. We also work and teach in a multidisciplinary environment dealing with residents, clinicians, and allied health providers in virtually every discipline.

Our Department has earned a reputation for excellence in its collaborative teaching relationships.

This collegial and positive atmosphere extends outside of the hospitals. There are a variety of social activities each year including retreats, golf tournaments, ski days, baseball games, and parties. The resulting balanced lifestyle of our residents is seen as one of the major strengths of Emergency Medicine at Queen's.





Medicine

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