

Simulation & Crisis Management
in Anesthesiology

SiCMA

| healthsci.mcmaster.ca/anesthesia |

FOCUSED ON A
**BRIGHTER
WORLD**



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Anesthesia

McMaster
University 



Clinical Objectives

Fellows are expected to provide clinical care to patients under supervision, following with the PGME and CPSO policy. They would be exposed to multiple specialties during their rotation, to gain experience from different clinical practices and contribute to critical event management. The clinical goals are:

1. Provide anesthetic management of patients including preoperative assessment and postoperative acute pain management for various specialties and sub-specialties under supervision.
2. Design modules of critical events in peri-operative clinical areas based on I-CARE model: Identify problem—Call for help—Assess patient—Review plan—Execute the plan.
3. Organize and conduct simulation-based learning activities in adult and pediatric clinical scenarios for anesthesia residents, in collaboration with the Residency Program and Simulation Program.
4. Identify areas of clinical improvement and design simulation-based exercises for residents and faculty as a quality improvement tool.
5. Design interprofessional simulation project to influence patient related outcomes.



Educational Objectives

Fellows are expected to attain competency in simulation-based training and critical events management following Miller's stages of 'knows' and 'knows how' to 'shows how' and 'does'. By the end of fellowship they are able to:

1. Describe the principles of andragogy & pedagogy in relation to simulation-based education, experiential learning and reflective practice.
2. Describe the principles of crisis resource management, non-technical skills and their relevance to human factors and critical event management in Anesthesiology.
3. Describe the swiss cheese model of accident causation and apply the knowledge in constructing a safe environment of perioperative patient care.
4. Distinguish multimodal simulation methodologies and identify scenario specific utility.
5. Demonstrate scenario writing skills and effective debriefing skills in order to facilitate a safe learning environment with enhanced learner engagement in a simulation-based exercise.



Research Objectives

The fellows would have protected academic time to work on research based projects. They are expected to attend and participate in all department and interdisciplinary rounds. Other expectations are:

1. Understand the principles of ethics for research on the human subject.
2. Conceptualize and develop a simulation-based educational research project with relevance to critical event management. The project would promote outcome-based education.
3. Organize a quarterly simulation club with a focus on recent advances in the science of simulation-based learning and human factors.
4. Disseminate research knowledge in scientific meetings.

HOSPITAL SITE:

Hamilton Health Sciences

Affiliated sites

DURATION:

12 months

QUALIFICATIONS:

FRCPC or eligibility and

must be a qualified

Anesthetist

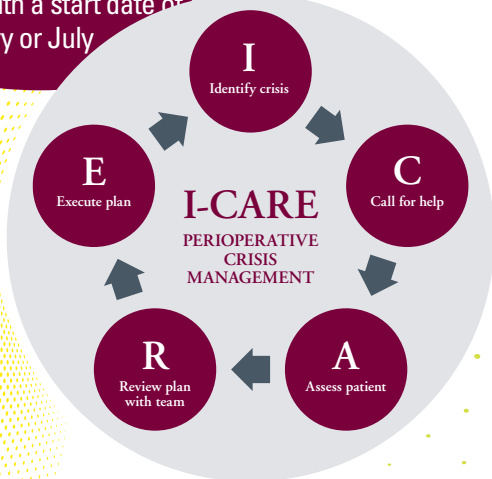
POSITIONS:

There would be two positions

available in a given academic

year with a start date of

January or July



Fellowship Description

The fellowship program is a structured program with a focus on enhancing competency in crisis resource management and prepare 'Crisis Leaders in Anesthesiology'. It serves to bridge the gap between CanMEDS roles and the competency of crisis leadership. The other equally important focus is on nurturing a fellow to become a simulation educator in creating an immersive, safe learning environment through simulation-based medical education. They would receive training for both adult and pediatric clinical scenario-focused simulation and crisis management. The fellows are awarded the certificate of Simulation Master & Crisis Leader in Anesthesiology after successful completion of training and the exit exam.

Application

Please submit the completed application to our PGME Department
pgme.mcmaster.ca/apply/fellowships-application/

Inquiries About the Application

For inquiries about the Simulation & Crisis Management in Anesthesiology Fellowship Program, you may contact the Department of Anesthesia at anesadm@mcmaster.ca.

Inquiries About the Fellowship

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