

**Iowa Methodist Medical Center
Department of Surgery Education
Resident Rotation Description**

Rotation: Declared Health Emergency (DHE)

General Information:

1. Postgraduate year(s): PGY1, PGY2, PGY3, PGY4, PGY5
2. Rotation Length: 4 weeks with 2 week- split rotation (duration of DHE)
3. Service Director: Richard Sidwell, MD, Program Director
4. Attending Staff: IMMC Primary Faculty, BMC, VAMC

Orientation:

This rotation will be implemented based on governmental or organizational declaration of health emergency.

A briefing of situation and expectations with assignment to hospital-based or home-based team will be provided by the Program Director at the start of the rotation.

Recommended Reading List:

1. Disaster Management and Emergency Preparedness
2. SCORE (Surgical Council on Resident Education) Curriculum Portal

Call Schedule:

Surgery Call Schedule – suspend regular call schedule and implement Declared Health Emergency rotation schedule (adjusted according to circumstances)

1. Remote home-based - 2 weeks (1/2 of residents)
2. Hospital based – day/night shifts – 2weeks (1/2 of residents) to cover IMMC, BMC and VAMC
3. Specific call schedules arranged with input from Chief Residents

Conference Schedule:

1. IMMC Surgery/Trauma conferences – suspended.
2. Updates provided daily to weekly as indicated by events via telecommunication.
3. A 2 week telecommunication hand-off between hospital-based and home-based teams

General Objectives and Description:

Cognitive Objectives of the Rotation:

The Hospital-based residents will be assigned to day and night rotations to provide coverage for surgical patients on the ward, in the ICU, in the emergency department and in the operating suite. The surgery resident will be contacted for all teaching service operative cases, including pediatric surgery cases. This rotation is intended to provide a focused experience in evaluation and management of emergency surgical conditions in addition to management of surgical services during declared health emergency with heightened organizational needs. The hospital-based resident team will be an integral part of the multi-disciplinary patient care team.

The Home-based residents will be restricted from hospital to initiate a period of quarantine to preserve their health during a declared health emergency to alternate with hospital-based team to facilitate full coverage of surgical services ongoing. The resident may assist remotely with EMR work (discharge summaries, etc.), continue to progress on research, quality improvement and professional publications and papers. These residents may be requested to do ongoing review of evidenced based medicine and research to provide the hospital-based team with valid and valuable information to supplement patient care. These residents will provide a daily report of progress and activities made to program director/associate program director.

Technical Skills Objectives for the Rotation:

The hospital-based resident should achieve a progressive level of skill in assisting and performing procedures necessary for caring for patients with emergent surgical conditions and procedures as necessary for all patients.

Evaluation:

At the end of the rotation, the resident will be evaluated by supervising faculty. Personal feedback will be provided, and a computer-generated evaluation form will be completed. The program director will also evaluate the resident utilizing the ACGME surgery milestones worksheet. Additional evaluation tools will include senior resident and nursing. Each resident will provide self-assessment of own health and wellness (physical and mental) in response to declared health emergency as outlined in Milestones: professionalism 4: self-awareness and Help-seeking.

COMPETENCY SPECIFIC GOALS AND OBJECTIVES:

Patient Care and Procedural Skills

Residents must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. Residents must be able to competently perform all medical, diagnostic, and surgical procedures considered essential for the area of practice. Residents are expected to:

- Show emergency preparation for and technical performance on all emergency surgery procedures
- Develop and execute appropriate treatment plans
- Provide leadership and professionalism and function as a member of multi-disciplinary team
- Counsel and educate patients and families
- Specific competencies for PGY levels
 - PGY1, PGY2 – Gathers information and develops differential diagnosis for patients with multi-disciplinary approach
 - PGY3, PGY4 – Adapts management plan for all patients during evolving health emergency
 - PGY5 – Actively engages multi-disciplinary team and processes to maintain highest level of patient care and safety
 - PGY3, PGY4, PGY5 – Anticipates and mitigates problems for complex patients

Medical Knowledge

Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. Residents are expected to:

- Develop understanding of principles of disaster management
- Demonstrate an investigatory and analytic thinking approach to clinical situations for patients in emergent medical/surgical conditions
- Know and apply the basic and clinically supportive sciences appropriate to the management of emergency care of patients in a resource limited situation
- Specific competencies for PGY levels
 - PGY1, PGY2 – Articulates clinical questions related to application of disaster management processes and patient care guidelines
 - PGY3 – Critically appraises and applies information to guide individualized patient care
 - PGY4, PGY5 – Participate in coordination of new information as it relates to day to day implementation of patient care during emergency management

Practice-Based Learning and Improvement

Residents must demonstrate the ability to investigate and evaluate their patient care practices, to appraise and assimilate scientific evidence, and to continuously improve their patient care based on constant self-evaluation and life-long learning. Residents are expected to:

- Locate and manage information to facilitate resident learning related declared health emergency
- Demonstrate knowledge and application of care principles as directed by administrative leadership
- Share teaching points with team regarding care management strategies and changes
- Prepare lesson and learning points to be presented in a conference format after the emergency phase to provide teaching and to debrief morbidity and mortality and/or TNT
- Specific competencies for PGY levels
 - All PGYs – Takes responsibility for disaster management learning during declared health emergency with ongoing critical thinking and implementation of changes
 - All PGYs – Prepare and present knowledge and patient cases with teachable moments and successes in the post-evaluation phase of declared health emergency

Interpersonal and Communication Skills

Residents must be able to demonstrate interpersonal and communication skills that result in effective exchange of information and collaboration with patients, their patients' families, and health professionals. Residents are expected to:

- Demonstrate effective relationships with patients and families
- Demonstrate ability to work with multiple surgical faculty and all medical providers
- Demonstrate ability to lead the emergency trauma, surgical care team and multi-disciplinary team
- Demonstrate ability to lead the declared health emergency hospital-based team
- Provide a complete, succinct hand-off report at end of 2-week hospital-based team to oncoming
- Specific competencies for PGY levels
 - PGY1, PGY2 – Accurately maintains all essential information in EMR to communicate with multi-disciplinary care team
 - PGY1, PGY2 – Actively listens and communicates with patients, families and care teams in an understandable and respectful manner
 - PGY3, PGY4 – Effectively negotiates, facilitates and manages conflicts and difficult conversation with patients, families and health care teams

- PGY5 – Coaches and acts as resource for crucial conversation and conflict resolution
- PGY5 – Utilizes a leadership style that encourages the team to adapt to rapidly changing policies and procedures

Professionalism

Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Residents are expected to:

- Respect patient confidentiality
- Demonstrate sensitivity to age, gender, and culture of patients and other health care providers
- Provide continuity of patient care via communication with primary multi-disciplinary teams
- Demonstrate a commitment to patients and society above themselves during times of need
- Specific competencies for PGY levels
 - PGY1, PGY2 – Takes responsibility for own professional behavior during complex/stressful situations
 - PGY1, PGY2 – Recognizes signs of burnout in themselves
 - PGY1, PGY2 – Demonstrates knowledge of ethical principles as it relates to the declared health emergency
 - PGY3, PGY4 – Recognizes and assists others during the high demand times and guides them with completion of assigned tasks to meet the needs of the patient, multi-disciplinary teams and organization
 - PGY3, PGY4 – Recognizes need for assistance in managing and resolving complex ethical situations
 - PGY3, PGY4 – Recognizes signs of burnout in colleagues
 - PGY5 – Develops plans to enhance other's ability to efficiently complete patient-care tasks and responsibilities
 - PGY5 – Creates an environment to mitigate burnout
 - PGY5 – Acts as liaison for multi-disciplinary teams to address ethical problems/concerns as it relates to safe and efficient patient care during declared health emergency

Systems-Based Practice

Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care. Residents are expected to:

- Function well within trauma system at Iowa Methodist Medical Center
- Coordinate the work and responsibilities among the hospital-based team for appropriate patient care and management

- Display knowledge of risk-benefit analysis and application
- Demonstrate ability to facilitate and integrate multi-disciplinary patient care
- Demonstrate understanding of HCIS (hospital incident command system)
- Specific competencies for PGY levels
 - PGY1, PGY2 – Demonstrates knowledge of care coordination using multi-disciplinary approach
 - PGY1, PGY2 – Performs safe and effective transitions and hand-off in complex clinical situations
 - PGY3, PGY4, PGY5– Coordinates, leads and supervises multi-disciplinary care of patients in complex clinical situations during declared health emergency
 - PGY5 – Resolves conflicts and serves as liaison for evaluation and implementation of improvements to care coordination

Authors:

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