



Northeast Georgia Medical Center
GRADUATE MEDICAL EDUCATION

General Surgery Residency Program

Department of Surgery
Emory University School of Medicine

Rotation Goals and Objectives

BURN SERVICE
GRADY MEMORIAL HOSPITAL

PGY-2 Residents

Medical Knowledge

Goal: Residents must demonstrate knowledge of established and evolving burn physiology and experience with initial burn management, as well as the application of this knowledge to patient care.

1. Systemic physiologic changes caused by burn injury.
2. Medical management of burn shock.
3. The proper way to do an initial evaluation of a burn patient including assessments of the size, depth of the burn, airway management, a presence of other injuries and need for escharotomies.
4. How to evaluate the burn wound as it changes and understand the cause of these changes.
5. How to determine which burn wounds need excision and grafting and which should be left to heal.
6. Pre and post-operative care of the burn patient including ICU and ventilator management.
7. How to perform various excision and grafting procedures for burns.
8. The basic principles of physical therapy and rehabilitation including splinting and scar management.
9. Outpatient management of burns including long-term problems burn patients have (contactures, scarring, psychosocial problems) and their management.
10. How to manage small/minor burns as outpatients.

Patient Care & Procedural Skills

Goal: Residents will learn how to evaluate, triage and provide initial care for patients in the following services with the objectives for each at Participate Site:

1. The 3rd year resident is the primary physician (with faculty supervision) for all of the patients on the burn unit include the ICU and pediatric patients and is assisted by the 2nd year resident who will have the same duties under appropriate supervision and mentor by 3rd year and attending staff which includes a Board Eligible non ACGME Burn Fellow.
2. The 2nd year residents will assist the 3rd year in their duties which include:
 - a. Evaluating burn patients in the emergency department (when called by the ED staff), determining the need for admission, and initiating resuscitation.
 - b. Complete management of the burn patient in the ICU or chronic area including wound care, ventilator management and invasive procedures as needed. (Examples: escharotomies, placement of venous, arterial or Swan-Ganz catheters, flexible bronchoscopy.) (Note: Elective intubations are most commonly performed by Anesthesia residents) There is no competing "ICU Service."

- c. The 2nd year resident rounds on the patients daily and helps determine the need for excision and grafting. They then assist in performing the operation (220 – 250 operations/year)
- d. The 2nd year resident participates in post-operative care including working with the physical therapist and occupational therapist to develop a rehabilitation plan.
- e. The 2nd year resident goes to the Burn Clinic (twice a week) and participates in long-term follow-up including scar management and in management of outpatient burns.
- f. The 2nd year resident assists the 3rd year resident in all of the above duties including operations and seeing outpatients.

Residents at all levels:

Practice-based Learning and Improvement

Goal: Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

Objectives: Residents will demonstrate:

- Competence in reading, critiquing and applying text and journal articles germane to care of the patient; such as the burn textbook as provided for house staff.
- An ability to seek out educational material and relevant articles concerning the care of trauma patients.
- Participate in once a week multi-disciplinary rounds are held with representatives from physical therapy, occupational therapy, psychiatry, social work, nutrition, and nursing.
- Participate in faculty rounds held daily.

Professionalism

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

- Compassion, integrity, and respect for others
- Responsiveness to patient needs that supersedes self-interest
- Respect for patient privacy and autonomy
- Accountability to patients, society, and the profession

Objectives:

- The resident will be punctual, and present for all required clinical and educational duties.
- The resident will demonstrate professionalism by completing all assigned clinical responsibilities and maintain ethical standards
- The resident will adopt an altruistic approach to patient care which will be embraced by all members of the medical team.
- The resident will be sensitized to cultural diversity and patient confidentiality. Academic research and continuing education will reflect the institutional commitment to excellence and on-going professional development.

Interpersonal & Communication Skills

Goal: The resident must demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families, and professional associates.

Objectives:

- Demonstrate an ability to communicate effectively with patients and families across a broad range of socioeconomic and cultural backgrounds.
- Communicate effectively and physicians, other health professionals, and health related agencies.
- Maintain comprehensive, timely, and legible medical records.
- Demonstrate appropriate information-giving and other interpersonal skills with patient and family members.
- Demonstrate appropriate interpersonal skills with patients and their family systems as well as other medical and ancillary staff
- Demonstrate the ability to obtain an informed consent for surgical procedures
- Residents must demonstrate the ability to effectively teach patients/.their families regarding hand pathology, including the diagnosis and option for appropriate care.
- Demonstrate an ability to communicate effectively to attending staff and other providers the more complex problems and complications associated with severe traumatic injuries.

Systems-based Practice

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

Objectives: Residents are expected to demonstrate:

- Engage in safe and comprehensive Transitions of Care between other residents, faculty , ancillary health care professionals, hospital unities, rehabilitation facilities and community health organizations.
- Knowledge of how care of indigent may provide treatment challenges within our society.
- Ability to utilize multiple services (medical specialties, nursing, discharge planning, rehabilitation, etc.) across the health care system to provide the needs of these patients.