

Burn

Institution: Vanderbilt University Medical Center

Duration: 4 weeks

Supervising Physician: Dr. Lisa Rae

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Year of Training: PGY-1

Educational Objectives:

Introduction to Rotation

The burn rotation for the PGY-1 resident provides an opportunity to care for complex patients in a large, multidisciplinary team. The resident will participate in all aspects of care of the burn patient from assessment of the burn wound and resuscitation to operative planning and operative interventions through managing complications and discharge planning. Residents will receive an orientation to the rotation from Dr. Rae or Dr. Thompson and a burn nurse practitioner on the first day of their rotation. This orientation will include a brief overview of the rotation and an introduction to the members of the multidisciplinary team and their roles.

Patient Care and Procedural Skills

- ✓ Initiate fluid resuscitation for burn patients.
- ✓ Participate in the management of the burned patient including placement of central venous and arterial lines
- ✓ Performance of escharotomies and fasciotomies, performance of tracheostomy, debridement of wounds, harvesting and placement of skin grafts and selective reconstructive procedures.
- ✓ Demonstrate ability to titrate vasopressor infusions.
- ✓ Residents are expected to participate in the care of patients in the outpatient burn clinic.

Medical Knowledge:

- ✓ Develop knowledge and experience in initial assessment and management of acute burns. This includes thermal burns, electrical burns and chemical burns. It will encompass the initial fluid resuscitation and treatment of burn shock; ventilatory management of acute inhalation injuries, as well as chronic pulmonary complications following major burn injury; the assessment of wounds for initial treatment including the need for escharotomy or fasciotomy and local wound care with topical antimicrobials and hydrotherapy; nutrition, infection and management of associated complications and problems.
- ✓ Understand spectrum of topical antibiotics and their side effects.

Practice-Based Learning and Improvement

- ✓ Incorporate formative evaluation feedback into daily practice.
- ✓ Write an accurate, detailed, and legible preoperative assessment and consulting note on all patients for which he/she serves as surgeon of record.
- ✓ Utilize assigned journal articles as well as available textbook chapters and information technology (including PubMed search and literature review)
- ✓ Participate in the education of patients, families, students, residents, and other health professionals.

Interpersonal & Communication Skills

- ✓ Ensure that the attending surgeon is aware of the progress of all patients on the service.
- ✓ Clearly, accurately, and respectfully communicate with nurses and other Hospital employees.
- ✓ Clearly, accurately, and respectfully communicate with referring and consulting physicians, including residents.
- ✓ Clearly, accurately, and respectfully communicate with patients and appropriate members with their families about identified disease processes (including complications), the expected courses, operative findings, and operative procedures.
- ✓ Ensure that clear, concise, accurate, and timely medical records are maintained on all patients.
- ✓ Help orient medical students and provide them support as needed for their roles and responsibilities throughout the rotation.
- ✓ Teach level-appropriate skills to medical students (e.g. history and physical skills, postoperative patient care, knot-tying).

- ✓ Provide timely feedback and assessments to the clerkship director and medical student supervisor as requested.

Professionalism

- ✓ Provide effective leadership for interdisciplinary members of the burn team including nurses, physical therapists, occupational therapists, dietitians and social services.
- ✓ Actively participate in all teaching rounds and conferences.
- ✓ Demonstrate compassion, integrity, and respect for others.
- ✓ Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
- ✓ Demonstrate sensitivity to issues of age, race, gender, and religion with patients, family, and members of the healthcare team.
- ✓ Demonstrate respect for patient privacy and autonomy.
- ✓ Remain honest with all individuals at all times in conveying issues of patient care.
- ✓ Respond to the needs of the patient above one's own needs and desires.
- ✓ Maintain high standards of ethical behavior in all professional activities.
- ✓ Demonstrate a commitment to the continuity of patient care to carrying out professional responsibilities or through assuring that those responsibilities are fully and accurately conveyed others acting in his/her stead.
- ✓ Understand the institutional policy on duty hours and remain compliant with all duty hour regulations. Residents must enter the number of hours spent in the hospital into the tracking system on a weekly basis.
- ✓ Be properly and professionally attired at all times while engaged in patient care.
- ✓ At all times treat patients, families, and all members of the healthcare team with respect.
- ✓ Reliably be present in prearranged places at prearranged times except when actively engaged in the treatment of a medical or surgical emergency. The resident must notify the appropriate supervisor if he or she will be unable to be present.
- ✓ Remain compliant with all required training designated by the institution.

Systems-based practice

- ✓ The resident should be able to summarize the financial costs, potential complications, and long-term expectations for planned procedures.
- ✓ The resident should recognize the differences between the three hospital systems in which he or she will participate: federal, university, and private.
- ✓ The resident should be able to determine the benefit of additional treatment by other services such as plastic surgery, interventional radiology, and orthopedics.
- ✓ The resident should be able to determine and convey to appropriate individuals the instruments and other materials necessary for all procedures.

Description of Clinical Experiences:

Specific daily responsibilities of the PGY-1 Resident include:

- Pre-rounding on assigned patients, examining them daily, and presenting them on rounds.
- Writing concise and complete daily notes that reflect current status and daily plan and sending this note to the assigned attending for review and attestation.
- Writing the orders required to complete the daily plan and keeping wound care and therapy orders up-to-date.
- Responding to consults, communicating patient history and descriptions of their burn wounds to the fellow and/or attending, and communicating plans back to the requesting team and the patient.
- Participating in burn wound care.
- Working with the multidisciplinary team to provide comprehensive care to burn patients, including attending multidisciplinary rounds when able.
- Coming to the operating room for cases if not needed in the ICU.

Description of Didactic Experiences:

- Attend and participate in daily teaching rounds in ICU.
- Attend weekly surgical grand rounds and resident teaching conference.
- Attend weekly Department of Surgery Morbidity and Mortality conference.

Evaluation Process:

Faculty and senior residents will evaluate the performance of each resident using these goals and objectives. Each resident on the service will evaluate the rotation, the service, faculty and any senior residents also on the rotation.

Other Important Rotation Information: