

Expectations and Assignments for Medical Students Rotating on the Burn Service

Orientation Program (SHC Medical Staff Conference Room)

- Fire Emergency Plan/Safety/Security/Pain Mgmt/Badge
- Infection Control
- Pharmacy
- Family Services
- Rehab Services
- SCHIS
- HIPAA

Expectations

Primary:

- Acquire basic knowledge of managing an acute burn in the inpatient and outpatient setting
- Understand the daily management of burn patients
- Participate in burn team activities

Secondary:

- Understand the management of electrical burns, chemical burns, inhalation injuries, and common complications

Expectations will be discussed during the initial orientation session at Shriners, and then a mid-rotation review will be held to discuss performance and ensure that expectations are being met (from both the faculty and student's perspective). A final review will be held at the end of the rotation to evaluate performance.

a. Assignments to Achieve Expectations:

- Read and become familiar with the burn service clinical protocol. (The SHC Burn Survival Guide will be provided to you at your orientation.)
- Read an appropriate textbook chapter on burn treatment and review evidence-based journal articles provided on the CD that is kept in SHC resident call room. A more updated reference source is maintained on the resident call room computer.
- Spend a minimum of one afternoon each week in clinic (at least one week should be in the adult burn center clinic on Wednesday afternoons). You should interview the patient, assess the way you would manage that patient and present the patient to the attending burn surgeon.
- Participate in daily rounds, observe dressing changes and examine wounds.
- Manage/follow at least two patients and present your assessments and treatment plans on rounds.

- Actively participate in the OR, especially with patients that you are following.
- Attend SHC burn multidisciplinary conference every Tuesday morning.

b. Duty Hours

- Pre-round each morning for rounds that begin at 7:00 am (except 6:30 on Wednesdays)
- In-house call (General Surgery @TUH): students will be called to evaluate emergently presenting burn patients at SHC or TUH when on-call
 - If a patient with an acute burn is admitted to SHC or TUH, you should perform an H&P, burn diagram, and fluid requirement calculation (if indicated) on that patient
 - When possible, you should perform an H&P on a child admitted electively for burn reconstruction, especially if you plan to scrub on the procedure.

c. Written Assignments

- Write 2 H&P's (paper) each week ⇒ present to Dr. Warner for review

General Information:

Rounds

- Weekday mornings 7:00 am
 - Exceptions: Wednesday mornings: 6:30 am, weekends/holidays: 8:00 am
 - Attendance at weekend rounds is optional but may be appropriate to attend if one of your patients is having a major dressing change for a procedure on which you were scrubbed

Clinics

- SHC clinic 1:00 pm on Monday & Thursday
 - Students may perform an assessment and present their findings & opinions to the Nurse Practitioner, Fellow or Attending and then one of those providers will see the patient. ***The student should NOT provide any patient or parent teaching nor should they offer opinions to patients/parents about a plan of care.*** Medical students may not dictate clinic notes.

On-call activities

- Evaluation and Management
 - Assessment and treatment of SHC “short-stay” admissions
 - Assessment and treatment of TUH burn patients seen in ED
 - Assessment of all acute burn admissions to either SHC or TUH
 - Evaluation of patients with fever, altered fluid balance, hemodynamic and cardiopulmonary conditions
 - Participation in airway and ventilator management

- Preparation of acute burn patients for O.R. and other procedures
- Participation in procedures
 - Burn wound debridement
 - Insertion of nasogastric tubes and urinary catheters
 - Insertion of IV's (peripheral and central venous catheters)
 - Insertion of arterial catheters
 - Insertion of enteral feeding tubes
 - Performance of escharotomies and fasciotomies

Conferences

- Burn Service
 - Tuesday: 7:30 am: SHC multidisciplinary conference, 7:30 am (Board Room)
 - Wednesdays at 11:00am Burn teaching conference (Medical Staff Conference Room; room may vary)
 - Journal Club: 3rd Wednesday of the Month at 12:00pm
- Department of Surgery
 - Student lectures and Professor's Hour
 - Surgery Grand Rounds

PRESENTATIONS FOR ROUNDS

1. One-sentence summary (*i.e.*, 4 year old postburn day 10 and postoperative day 3)
2. Vital signs (T max & T current, etc., use of vasopressors)
3. Intake & Output
 - a. Current total hourly fluid intake (relative to calculated maintenance rate)
 - i. Distinguish between IV, enteral and oral intake
 - b. Average hourly urine output (ml/kg/hr)
 - c. NG output, vomiting, stool status, if abnormal
4. Respiratory status
 - a. Ventilatory settings and blood gases, if appropriate
5. Nutritional intake (relative to goal rate on tube feeds), as applicable
6. **Pertinent findings on PHYSICAL EXAMINATION**
7. Medications (Days of antibiotics, sedatives, parenteral analgesics, sleepers, etc.)
8. Lab results (note abnormal or significant changes from previous results)
 - a. CBC (especially platelet count and C-reactive protein)
 - b. Electrolytes, calcium, phosphorous, magnesium, albumin
 - c. ABG's
 - d. Microbiology cultures
9. Clinical care plan
 - a. Central/peripheral IV status
 - b. Change in type or amount of fluids, electrolyte replacement
 - c. Blood component therapy
 - d. Ventilator weaning/changes (when applicable)
 - e. Surgical plan
 - f. Management of pain, sedation, sleep, psychosocial issues
 - g. Wounds (topical agents, appearance, dressings)
 - h. Activity: bed rest, splints, range of motion, ambulation, etc.
 - i. Discharge plan

- **AT THE COMPLETION OF THE ROTATION, MEDICAL STUDENTS ARE EXPECTED TO TURN IN THEIR I.D. BADGE & SMARTCARD TO THE MEDICAL STAFF OFFICE.**