



## Oregon Burn Center Rotation Goals & Objectives Patient Care Junior Level, PGY-1 and PGY-3

### PATIENT CARE

<b>Goals &amp; Objectives:</b>
Goal: Develop skills in the initial evaluation and management of patients who present with thermal injuries and other skin loss conditions Objective: -understand ABC's of resuscitation and initial treatment of the major burn victim. -Estimate the burn depth on a patient -Use the burn diagram to estimate the total body surface area (TBSA). -Describe the elements contributing to heat loss and strategies to prevent further losses or warm patients.
Goal: Understand the spectrum of burn injury, and learn the criteria for resuscitation of burns Objective: -Describe the Parkland formula resuscitation formulas and its limitations.
Goal: Acquire knowledge of techniques of wound care for burns and wounds Objective: -List the menu of topical burn and wound treatment modalities used in the burn center
Goal: Learn basic excision and grafting techniques, techniques in surgical dressings Objectives: -Describe steps used in excision and grafting, appropriate settings on dermatome and methods for wound closure.
Goals: Understand when to order and how to interpret studies. Objectives: -List important labs and radiologic studies specific for the burn patient assessment.
-Complete and record a problem focused H&P
Goal: Understand which patients require invasive procedures and appropriate supervision. Objectives: -Perform surgical and invasive procedures according to the resident's ability with direct supervision by faculty until documented as competent to perform with indirect supervision.
-Assist in, perform major surgical procedures
Goal: Become proficient in the evaluation of the burn intensive care unit patient Objective: -Do H&Ps and assist in care of all burn patients assigned.
Goal: Become proficient in invasive monitoring. Objective: -Insert hemodynamic monitoring devices such as central lines, arterial lines, and PA catheters, use of the ultrasound for guidance with direct supervision by faculty until competence to perform with indirect supervision is documented
-Write preoperative, postoperative, and daily orders, and write progress notes
Goal: Be able to interact and follow administrative procedures necessary with patient and family.
Objective: -Provide information and obtain informed consent for surgical procedures and specific diagnostic and therapeutic interventions.

## MEDICAL KNOWLEDGE

### Goal & Objectives:

Acquire basic knowledge of burn injury and treatment

#### Objectives:

- List the different types of burn depths, their appearance, and treatments.
- Describe how to assess total burn surface area (TBSA) using common rules, Lund Browder diagram and computer algorithms on adults and children.
- Calculate the baseline IV fluid amount and rate given to resuscitate a burn patient after calculating their TBSA.
- Calculate the carbon monoxide exposure at the scene based on the CO hgb on a patient with inhalational injury and describe the treatment for cyanide toxicity.
- Assess for thermal airway damage and list the characteristics of a pt who should have early intubation.
- Describe stress ulcer prophylaxis and nutrition considerations specifically for burn patients.
- List the main wound treatments, including topical agents and coverage materials (ie pigskin), excision and grafting. List the advantages and disadvantages for each, including electrolyte or side effects of topical agents.
- List the strategies for pain management during burn care.
- Describe nutritional requirements for the major burn victim.
- List complications or disabilities caused by burns.
- List the elements of a burn patient that require a specialized burn center.

## INTERPERSONAL AND COMMUNICATION SKILLS

### Goals & Objectives:

#### Goal:

Interact and communicate effectively with patients, family, nursing and therapy staff, manage conflict constructively. Keep the chain of command informed of changes in patient condition

Master the role of service chief for the house-staff team. (PGY-3)

#### Objective:

- Perform the above with assigned patients and list strategies that aid in resolution of conflict or elements of good communication.

## PROFESSIONALISM

### Goals & Objectives:

#### Goal:

Appreciate and deal with the apprehension of patients and their families during the stress of an acute and severe illness. Work cooperatively with attendings, nurses, and other support personnel in what can be a very tense environment.

#### Objective:

- List strategies that may alleviate stress for families specific for burn patients and with all team members.

## PRACTICE-BASED LEARNING AND IMPROVEMENT

### Goals & Objectives:

#### Goal:

Demonstrate facility in using electronic databases, literature retrieval services, and computer-based diagnostic reasoning programs to facilitate decision-making in the surgical setting.

#### Objectives:

- Use the electronic database and share knowledge with team members and staff.

#### Goal:

Expand skills in time management and prioritization

#### Objectives:

- Describe the prioritization and thought process used in caring for one of your patients.

## SYSTEMS-BASED PRACTICE

### Goals & Objectives:

#### Goal:

Develop skills in coordinating team conduct in the operating room to facilitate flow of cases,

#### Objective:

-In the OR, assess needs for OR team in managing patient and anticipate instruments needed, asking for these elements in a timely manner.

Goal:

Learn to make use of the multidisciplinary conference and the full capability of the multidisciplinary team in forwarding patient care

Objective:

-Attend multidisciplinary conferences and interact with members regarding care of assigned patients.