

## **Pediatric ICU Goals and Objectives (2 week rotation)**

During the short period of 2 weeks, it is difficult to master all the principles of Pediatric Critical Care. The Surgical Critical Care fellow is expected to be familiar with the following:

### **Patient Care**

#### **Competency**

Residents must be able to provide patient care that is compassionate, appropriate, patient-centered and effective for the diagnosis treatment of pediatric critical care problems.

Residents are expected to:

#### **Objectives**

1. Participate in daily rounds with pediatric intensivists
2. Assist with procedures and perform duties as assigned by intensivists

### **Medical Knowledge**

#### **Competency**

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 be able to:

#### **Objectives:**

1. Describe fluid and electrolyte management of pediatric patients
2. Describe treatment of shock
3. Describe treatment of respiratory failure
4. Describe methods of vascular access
5. Differentiate between adult and pediatric pharmacologic support
6. Describe indications and methods of nutritional support in the pediatric patient

### **Practice- Based Learning and Improvement**

#### **Competency**

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 life long learning. Residents are expected to develop skills and habits to be able to:

#### **Objectives:**

1. Evaluate one's own knowledge, incorporating feedback from others
2. Modify self-directed learning appropriately including feedback provided from the faculty attending and peers..
3. Appraise and assimilate evidence from scientific studies to enhance patient care, especially as it relates to pediatric diagnoses and treatments.
4. Effectively use information technology to access and manage patient information.
5. Effectively use information technology and other resources to support one's own ongoing self-education (DVDs, CDs, SCC five-volume handouts)

6. Contribute to discussions concerning patient care with other health care professionals, attendings, and consultants
7. Attend and participate in teaching conferences, didactics and rounds

## **Systems Based Practice**

### **Competency**

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

### **Objectives**

1. Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel
2. Assess how one's own actions affect others, especially in the pediatric setting
3. Use diagnostic and therapeutic procedures appropriately and judiciously
4. Evaluate risks, benefits, limitations, and costs of patient care
5. Work effectively with other services, health care agencies, and case managers

## **Professionalism**

### **Competency**

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

### **Objectives**

1. Exemplify and display an observable respect and compassion toward patients
2. Exemplify reliability, punctuality, integrity and honesty
3. Accept responsibility for one's own actions and decisions
4. Consider the effects of personal, social, and cultural factors in the disease process and patient management
5. Demonstrate non-judgmental sensitivity and responsiveness to the age, culture, disability status, and gender of patients, families and colleagues

## **Interpersonal and Communication Skills**

### **Competency**

Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families, and professional associates. Residents are expected to:

### **Objectives**

1. Establish trust and maintain rapport with patients and families
2. Complete dictations and chart notes in a timely manner (monitored by medical records department and Institutional Site Coordinator)
3. Discuss diagnoses, prognoses and treatment options clearly and accurately to patients and parents
4. Utilize effective listening skills
5. Communicate and interact with staff/team in respectful, responsive manner

## **Neonatal ICU Goals and Objectives (2 week rotation)**

During the short period of 2 weeks, it is difficult to master all the principles of Neonatal Critical Care. The Surgical Critical Care fellow is expected to be familiar with the following:

### **Patient Care**

#### **Competency**

Residents must be able to provide patient care that is compassionate, appropriate, patient-centered and effective for the diagnosis treatment of pediatric critical care problems.

Residents are expected to:

#### **Objectives**

1. Participate in daily rounds with neonatal intensivists
2. Assist with procedures and perform duties as assigned by intensivists

### **Medical Knowledge**

#### **Competency**

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 be able to:

#### **Objectives:**

1. Describe fluid and electrolyte management of neonatal patients
2. Describe treatment of shock
3. Describe treatment of respiratory failure
4. Describe methods of vascular access
5. Differentiate between adult and neonate pharmacologic support
6. Describe indications and methods of nutritional support in the neonatal patient
7. Describe indications for surgery in neonatal patients

### **Practice- Based Learning and Improvement**

#### **Competency**

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 life long learning. Residents are expected to develop skills and habits to be able to:

#### **Objectives:**

1. Evaluate one's own knowledge, incorporating feedback from others
2. Modify self-directed learning appropriately including feedback provided from the faculty attending and peers.
3. Appraise and assimilate evidence from scientific studies to enhance patient care, especially as it relates to neonatal diagnoses and treatments.
4. Effectively use information technology to access and manage patient information.

5. Effectively use information technology and other resources to support one's own ongoing self-education (DVDs, CDs, SCC five-volume handouts)
6. Participate in discussions concerning patient care with other health care professionals, attendings, and consultants
7. Attend and participate in teaching conferences, didactics and rounds

## **Systems Based Practice**

### **Competency**

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

### **Objectives**

1. Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel
2. Assess how one's own actions affect others, especially in the neonatal setting
3. Use diagnostic and therapeutic procedures appropriately and judiciously
4. Evaluate risks, benefits, limitations, and costs of patient care
5. Work effectively with other services, health care agencies, and case managers

## **Professionalism**

### **Competency**

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

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1. Exemplify and display an observable respect and compassion toward patients
2. Exemplify reliability, punctuality, integrity and honesty
3. Accept responsibility for one's own actions and decisions
4. Consider the effects of personal, social, and cultural factors in the disease process and patient management
5. Demonstrate non-judgmental sensitivity and responsiveness to the age, culture, disability status, and gender of patients, families and colleagues

## **Interpersonal and Communication Skills**

### **Competency**

Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families, and professional associates. Residents are expected to:

### **Objectives**

1. Establish trust and maintain rapport with patients and families
2. Complete dictations and chart notes in a timely manner (monitored by medical records department and Institutional Site Coordinator)
3. Discuss diagnoses, prognoses and treatment options clearly and accurately to family

4. Utilize effective listening skills
5. Communicate and interact with staff/team in respectful, responsive manner.