

# Pediatric Critical Care Training Program

## Key Guidelines:

- “One KP” training for all Pediatric Critical Care nurses
- Incorporates **Caring Science, HeartMath, TeamSTEPPS, and HRO** communication tools and **KP’s Solutions for Patient Safety Program** components into the expectations of practice and care at the bedside
- Promotes decentralized training

*In Collaboration with NCAL Patient Care Services, Practice Excellence & Care Delivery Innovation*

## Overview

**This program uses the Children’s Hospital Association Curriculum for nurses new to Pediatric Critical Care**

The Children’s Hospital Association (CHA) content is offered via online interactive modules, complemented with live interactive sessions to build on the content. The modules have been developed to provide a foundation for novice nurses inexperienced in Pediatric Critical Care nursing to effectively care for pediatric patients using quality evidence-based practices and professional standards of care. The curriculum offers over 50 CE hours and includes case scenarios, practice activities, and tests. It is the ideal didactic foundation for a blended learning program including workshops, simulations, critical thinking discussion groups and preceptorship. The modules include:

- Assessment of the Critically Ill Child
- Nutrition in the Critically Ill Child
- Sedation and Analgesia in the ICU
- Family-Centered Care in the ICU
- Introduction to Hemodynamic Monitoring
- Vasoactive Medications
- Congestive Heart Failure
- Acquired Heart Disease in Children
- Congenital Heart Disease: An Overview
- Congenital Heart Disease: Acyanotic Defects
- Congenital Heart Disease: Cyanotic Defects
- Pulmonary Arterial Hypertension
- Caring for the Pediatric Patient in Shock
- Basic Principles of Oxygen Therapy, Specialty Gases and Noninvasive Ventilation
- Introduction to Arterial Blood Gas Interpretation
- Understanding Abnormal Blood Gases
- Acute Respiratory Distress Syndrome
- Advanced Concepts in Respiratory Physiology
- Mechanical Ventilation: Introduction to Pediatric Practices
- Preventing Ventilator-Associated Pneumonia
- Status Asthmaticus
- Craniotomy
- Hydrocephalus
- Meningitis and Encephalitis
- Intracranial Pressure Monitoring
- Hemodialysis
- Diabetic Ketoacidosis
- Diabetes Insipidus/SIADH
- Pediatric Toxicology Exposure
- Pediatric Spinal Column/Cord Injuries
- Pediatric Orthopedics
- Pediatric Brain Injury

## On Hire

Hiring Manager shares expectation that the training schedule will require a minimum of 32-40hrs/week. Completion of the program is competency based and typically 17-18 weeks. Orientation timeline may be extended as needed. Manager will confirm that new employee has completed:

- BLS (Basic Life Support)
- \*PALS (Pediatric Advanced Life Support) *\*To be completed in the program if employee does not have on hire*

# Transition to Practice Objectives



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*Standardized approach that uses a blended learning model for new staff nurses who are hired into training positions with no previous **pediatric critical care** experience*

1. Provide the NCAL medical centers with a standardized approach that uses blended learning for inexperienced staff nurses who are hired into training positions with no previous Pediatric Critical Care experience
2. Outline the use of the didactic curriculum and compliment with coordinating critical thinking exercises, simulation training, skill development and clinical assignments
3. Provide a comprehensive program outline to help the new pediatric nurse to integrate into the critical care environment as a member of the nursing care team both clinically and interpersonally
4. Ensure that the inclusion of Caring Science, Care Experience and Equity Inclusion, and Diversity behaviors are nurtured throughout the program and embedded into practice at the bedside from the start
5. Deliver curriculum that will support the new Pediatric Critical Care nurse to assess and care for critically ill children based on the diverse patient population served in the Pediatric Critical Care unit using evidence-based practices
6. Demonstrate examples of application of knowledge, skill and competency for special procedures conducted within the Pediatric Critical Care unit
7. Complete module objectives found within the CHA curriculum

## Roles and Responsibilities

### **RN Resident or Fellow:**

- “Owns” success in Program, including all Orientation Documents
- Completes all didactic and simulation sessions and patient care assignments as planned by On-Site Coordinator and Clinical Preceptor
- Completes “*KP NCAL Pediatric Critical Care Pathway*” Document
- Completes Association of Pediatric Hematology/Oncology Nurses (APHON) Pediatric Chemotherapy and Biotherapy Provider Program
- Completes Culminating Project & Presentation

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*Orientees completes **APHON** within the program*

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*Preceptors are the key to this program’s success and must complete approved preceptor training*

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