Pediatric Simulation Program

Objectives

Pediatric Advanced Life Support  *(American Heart Association)*

“The goal of the PALS Provider Course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcomes”

- Cognitive Course Objectives
  - Describe the timely recognition and interventions required to prevent respiratory and cardiac arrest in any pediatric patient
  - Describe the systematic approach to pediatric assessment by using the initial impression, primary and secondary assessments, and diagnostic tests
  - Describe priorities and specific interventions for infants and children with respiratory and/or circulatory emergencies
  - Explain the importance of effective team dynamics, including individual roles and responsibilities, during a pediatric resuscitation
  - Describe the key elements of postresuscitation management

- Psychomotor Course Objectives
  - Perform effective, high-quality cardiopulmonary resuscitation (CPR) when appropriate
  - Perform effective respiratory management within your scope of practice
  - Select and apply appropriate cardiorespiratory monitoring
  - Select and administer the appropriate medications and electrical therapies when presented with an arrhythmia scenario
  - Establish rapid vascular access to administer fluid and medications
  - Demonstrate effective communication and team dynamics both as a team member and as a team leader

Crisis Resource Management Principles

- Leadership and Followership
  - Assign roles by Event Manager and Role Clarity
  - Flatten Hierarchy—openly share information and concerns, avoid assumptions

- Communication
  - Demonstrate effective communication: assertive effort to command attention
- Complete closed-loop communication
  - Information and knowledge sharing to avoid fixation errors and performance gaps

- Teamwork (Human Resources)
  - Display appropriate allocation of roles to qualified team members
  - Call for more personnel (i.e. Code Blue) when indicated

- Resource Use (Material Resources)
  - Correctly utilize personnel and hospital systems (i.e. call for Code Blue, Ancillary services, Consultants)

- Situational Awareness
  - Keep a Global Assessment of the circumstances—keep the “50,000” foot view of the situation and avoid fixation

References:

American Heart Association, Pediatric Advanced Life Support, Provider Manual. 2011


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