

Course Name: Pediatric Advanced Life Support (PALS)

Accreditation: Accredited by AHA

Course Description:

PALS - Instructor-Led Training

The AHA's PALS Course has been updated to reflect new science in the 2020 AHA Guidelines Update for CPR and ECC. This classroom, Instructor-led course uses a series of videos and simulated pediatric emergencies to reinforce the important concepts of a systematic approach to pediatric assessment, basic life support, PALS treatment algorithms, effective resuscitation, and team dynamics. The goal of the PALS Course is to improve the quality of care provided to seriously ill or injured children, resulting in improved outcomes.

- PALS Blended Learning (HeartCode) Course: Online computer-based portion (part 1) that prepare student for hands on practice (part2) in the training center

Course Objectives: Simulations are designed to reinforce the following concepts:

- Identification and treatment of problems that place the child at risk for cardiac arrest
- Application of a systematic approach to pediatric assessments
- Use of the "evaluate-identify-intervene" sequence
- Use of PALS algorithms and flowchart
- Demonstration of effective resuscitation team dynamics

Cognitive Objectives: At the conclusion, participants should be able to:

- 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 infant 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 post-resuscitation management

Psychomotor Objectives: At the conclusion, participants should be able to:

- Perform effective high-quality cardiopulmonary resuscitation (CPR) when appropriate
- Perform effective respiratory management within you 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 communications and team dynamics both as a team member and as a team leader

Course Content:

- High-quality Child CPR AED and Infant CPR
- Recognition of patients who do and do not require immediate intervention
- Recognition of cardiopulmonary arrest early and application CPR within 10 seconds
- Apply team dynamics
- Differentiation between respiratory distress and failure
- Course Content Continued
- Early interventions for respiratory distress and failure
- Differentiation between compensated and decompensated (hypotensive) shock
- Early interventions for the treatment of shock
- Differentiation between unstable and stable patients with arrhythmias
- Clinical characteristics of instability in patients with arrhythmias
- Post–cardiac arrest management

Intended Audience:

The PALS Course is for healthcare providers who respond to emergencies in infants and children. These include personnel in emergency response, emergency medicine, intensive care and critical care units such as:

- Pediatricians, Emergency Physicians, Family Practice Physicians
- Nurses
- Paramedics
- Respiratory therapists
- And others who need a PALS course completion card for job or other requirements.

Course Duration & Frequency:

Approximately 14 hours for Instructor-led classroom course and 5 hours for Blended learning HeartCode course

Weekly course or upon request

Completion criteria to receipt the AHA Card:

- Students who successfully complete the PALS Course will receive a PALS Provider course completion card (print or eCard), valid for two years:
- Actively participate in, practice and complete all learning stations
- Complete the open-resource written exam with a minimum score of 84%
- Pass the 1- and 2-Rescuer Child BLS With AED and 1- and 2-Rescuer Infant BLS Skills Tests
- Pass 2 PALS core case scenarios (1 cardiac and 1 respiratory or shock) as a team leader, providing appropriate medical treatment and demonstrating effective team dynamics.

Student Materials:

- PALS Provider Manual (includes PALS Pocket Reference Card)
- PALS Provider Manual eBook (includes PALS Digital Reference Card)
- PALS Emergency Crash Cart Cards
- PALS Pocket Reference Card
- PALS Digital Reference Card

Course price:

Instructor-led classroom course 220 JD

Blended Learning HeartCode course: 250 JD