

## **Pediatric Shock**

**Course Description:** This module reviews the principles of cardiac output, the three stages of shock, and the four key types of shock, including their respective causes, clinical manifestations, and management. It also explains Multiple Organ Dysfunction Syndrome (MODS) and Disseminated Intravascular Coagulation (DIC).

### **Course Objectives:**

- Explain what is meant by the term shock
- Explain the principles of cardiac output and stroke volume: preload, afterload, and myocardial contractility
- Discuss and differentiate the three clinical stages of shock
- List and differentiate the types of shock: Cardiogenic, Hypovolemic, Distributive, and Obstructive
- Link clinical manifestations and hemodynamic readings to the various types of shock
- Discuss initial interventions and preventative steps when caring for children in shock
- Describe what is meant by Multiple Organ Dysfunction Syndrome (MODS)