

## **Pediatric Gas Exchange**

**Course Description:** This module reviews the physiology of gas exchange and partial pressures, and their secondary affects on the kidneys and lungs. Students will gain a clinical understanding of pyruvic acid, lactic acidosis, and level of compensation. A case scenario also tests the student's understanding of the material.

### **Course Objectives:**

- Explain the physiology of gas exchange at the alveolar level
- Describe the process of lactic acidosis and the levels of compensation
- Determine at what levels pediatric patients are compensating, based on blood-gas values