

Unit 3 Overview – Respiratory System

Learning Outcomes:

Skills <ul style="list-style-type: none"> <input type="checkbox"/> Care of an unconscious patient <input type="checkbox"/> Conscious Obstructed Airway: adult/child/infant <input type="checkbox"/> Unconscious Obstructed Airway: adult/child/infant <input type="checkbox"/> Recognition and care of respiratory emergencies (shock, asthma, hyperventilation, anaphylaxis, aspiration, smoke inhalation, COPD)
Knowledge <ul style="list-style-type: none"> <input type="checkbox"/> Identify human anatomy related to the respiratory system <input type="checkbox"/> Explain the physiology of respirations (inhalation, exhalation, gas exchange) <input type="checkbox"/> Explain aspects of respiratory fitness (respiration rate, SpO₂, tidal volume, total lung capacity, VO₂ Max, recovery rate) <input type="checkbox"/> Understand the dangers associated with hyperventilation, breath-holding, and valsalva technique <input type="checkbox"/> Understand the causes, effects, symptoms, and treatment of hypoxia (shock) <input type="checkbox"/> Understand the purpose and function of supplemental oxygen, different delivery devices, and oropharyngeal airways. <input type="checkbox"/> List safety precautions and proper handling of Oxygen therapy equipment <input type="checkbox"/> List the items you are looking for in the Rapid Body Survey <input type="checkbox"/> List key signs and symptoms of respiratory emergencies (shock, asthma, hyperventilation, anaphylaxis, aspiration, smoke inhalation, COPD) <input type="checkbox"/> Understand the physiology of respiratory complications: pulmonary edema and pneumonia and COPD <input type="checkbox"/> Explain the use of ventolin in the treatment of asthma <input type="checkbox"/> Explain the use of auto-injectors in the treatment of anaphylaxis (precautions and when to administer) <input type="checkbox"/> List the signs of severe choking <input type="checkbox"/> Understand the dangerous effects of blood doping in the context of sports and banned substances
Judgment <ul style="list-style-type: none"> <input type="checkbox"/> Demonstrate appropriate decision-making in scenarios <input type="checkbox"/> Demonstrate management over a situation, including direction of bystanders
Application: <ul style="list-style-type: none"> <input type="checkbox"/> Describe what it might be like to perform these skills in real-life

Lessons:

- 3.1 Anatomy of Respiratory System
- 3.2 Respiratory Fitness
- 3.3 Shock
- 3.4 Oxygen and Airways
- 3.5 Unconscious Breathing
- 3.6 Respiratory Emergencies
- 3.7 Anaphylaxis
- 3.8 Chocking
- 3.9 Blood Doping

Assessment

- 1) Assignments in class
- 2) Class discussion on topics
- 3) Participation while learning First Aid and Resuscitation
- 4) Unit review
- 5) Choking Skill (see marking sheet)
- 6) Test