

## Unit 2 Overview – Circulatory System

### Learning Outcomes:

<p><b>Skills</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Basic AED use</li> <li><input type="checkbox"/> Care of an unconscious patient</li> <li><input type="checkbox"/> One Rescuer CPR: adult/child/infant</li> <li><input type="checkbox"/> Two Rescuer CPR: adult/child/infant</li> <li><input type="checkbox"/> Recognition and care of circulatory emergencies (shock, major bleeding, heart attack or angina, stroke or transient ischemic attack)</li> </ul>
<p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Identify human anatomy related to the circulatory system</li> <li><input type="checkbox"/> Explain aspects of cardiac fitness (heart rate, cardiac output, blood pressure)</li> <li><input type="checkbox"/> List the risk factors associated with cardio-vascular disease</li> <li><input type="checkbox"/> Understand normal and abnormal electrical rhythms of the heart</li> <li><input type="checkbox"/> List safety precautions and proper handling of AED</li> <li><input type="checkbox"/> Understand the purpose and function of an AED</li> <li><input type="checkbox"/> List the primary survey questions for a conscious patient</li> <li><input type="checkbox"/> List key signs and symptoms of circulatory emergencies</li> <li><input type="checkbox"/> List contra-indications for the administration of aspirin</li> <li><input type="checkbox"/> Explain the use of nitroglycerin in the treatment of angina</li> <li><input type="checkbox"/> Understand the dangerous effects of stimulants on the circulatory system in the context of sports and banned substances</li> </ul>
<p><b>Judgment</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Demonstrate appropriate decision-making in scenarios</li> <li><input type="checkbox"/> Demonstrate management over a situation, including direction of bystanders</li> </ul>
<p><b>Application:</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Describe what it might be like to perform these skills in real-life</li> </ul>

### Lessons:

- 2.1 Anatomy of Circulatory System
- 2.2 Circulatory Fitness
- 2.3 AED Theory
- 2.4 CPR with AED
- 2.5 Circulatory Emergencies
- 2.6 Major Bleeding
- 2.7 Stimulants

### Assessment

- 1) Assignments in class
- 2) Class discussion on topics
- 3) Participation while learning CPR
- 4) Unit review
- 5) CPR/AED Skill (see marking sheet)
- 6) Test

### Adult C.P.R. Marking Sheet

<b>Adult CPR Steps</b>	<b>Below Standard</b>	<b>Minimal</b>	<b>Fully Meets Standard</b>	<b>Above Standard</b>
<b>Check for Dangers</b>	<i>Does not verbalize "checking for dangers"</i>	<i>Says "checking for dangers" but doesn't really look</i>	<i>Takes time and verbalizes "checking for dangers". Identifies any possible dangers.</i>	<i>Takes time and verbalizes "checking for dangers". Identifies and deals with any possible dangers.</i>
<b>Find out what Happened</b>	<i>Doesn't ask "what happened?"</i>	<i>Asks "what happened?" but doesn't listen or waits too long.</i>	<i>Asks "what happened?" and waits just long enough find out the basic history.</i>	<i>Asks "what happened?" with assertiveness and projects confidence in finding out the basic history.</i>
<b>Gloves</b>	<i>Forgets to put them on</i>	<i>Puts them on at the wrong time</i>	<i>Puts gloves on before touching patient</i>	<i>Puts gloves on efficiently before touching patient.</i>
<b>LOC Check</b>	<i>Skips this step</i>	<i>Does only pinch or only shout.</i>	<i>Pinch and shout</i>	<i>Pinch and shout in both ears with reasonable volume and firmness.</i>
<b>Phone 9-1-1 and get AED</b>	<i>Forgets to do this, or more than 1 minute after starting</i>	<i>Phones late or forgets AED</i>	<i>Gets someone to phone 9-1-1 at the right time, and sends for an AED</i>	<i>Has confidence and clarity in getting someone to phone 9-1-1 and get an AED</i>
<b>d-Spine</b>				
<b>ABC's</b>	<i>Either not checking or is less than 4 seconds or more than 10.</i>	<i>Checks for breathing for 4-10 seconds.</i>	<i>Opens the airway and checks for breathing for 5 seconds.</i>	<i>Opens the airway and checks for breathing for 5 seconds. Verbalizes look/listen/feel</i>
<b>Compressions</b>	<i>Compressions not deep enough or in the wrong spot.</i>	<i>Compressions are working, but positioning or pace could be improved.</i>	<i>Correct body position, hand position, depth and pace is close to 100 bpm.</i>	<i>Correct body position, hand position, depth and pace of exactly 100 bpm.</i>
<b>Rescue Breaths</b>	<i>Breaths not done or would not work</i>	<i>2 breaths, maybe slightly large or small</i>	<i>2 full breaths</i>	<i>Normal sized breaths waiting for chest rise/fall inbetween</i>
<b>Knowledge</b>	<i>Incorrect or did not attempt answer</i>	<i>Partially correct</i>	<i>Correct answer, but slow or uncertain.</i>	<i>Quick clear concise answer to "what if" question</i>