National Lifeguard Service: First Aid

Asthma (CLSM 8:4-5) Asthma is a condition that affects about 5% of adults and 10% of children in North America. Some of the things that could trigger an asthma attack include an allergic reaction, respiratory infection, cold environment, emotional distress, heavy exercise, and more. An asthma attack is caused by the of air passageways (bronchospasm) that makes it increasingly difficult to breathe.	
Anaphylactic Shock (CLSM 8:3) Anaphylactic shock (or anaphylaxis) is difficulty in breathing due to swelling of the resthreatening.	a severe allergic reaction that often causes spiratory tract. It can be sudden and life-
Signs and Symptoms: • Medical History • Itching, numbness, tingling • Blotchy areas or hives • Swelling of • Difficulty breathing • Discomfort in chest area • Rapid, weak pulse • Weakness, dizziness, anxiety	 Treatment: Medication: Epipen or Ana-Kit Call EMS Maintain ABC's (Oral Airway) Remove Stinger (if applicable) Treat for Shock
<u>Hyperventilation</u> (CLSM 8:3)	

Signs & Symptoms:

• Rapid, shallow breathing

brain and can result in a loss of consciousness.

- Anxiety, Emotional stress
- Lightheadedness, headache
- Numbness and Tingling

Treatment:

Hyperventilation is defined as ______. The CO_2 level in the blood _____ as CO_2 is expired, however the O_2 level does not usually change

significantly. The decrease in CO₂ level causes the body to depress the breathing centre in the

- Rest & Relaxation
- Coaching breaths ("Breathe with me")
- "Pursed-lip" breathing
- NO paper bags!
- EMS if necessary

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per minute) or has ineffective breathing (too shallo may also have inadequate breathing caused by any of the above conditions and diseases trauma or decreased LOC. Note: This significant lack of effective breathing sl	if they are in obvious distress. This can be s, as well as by other things such as head
 survey, and critical intervention started ASAP. Signs & Symptoms: Absent/Slow respiration (<10bpm) Shallow/Ineffective Respirations (>30bpm) Pale, cool, clammy, cyanosis Distress, anxiety Difficulty breathing (straining neck muscles) 	 Treatment: Call EMS with a pocket mask Time your breaths with theirs (ie. try not to breathe into them when they are trying to breathe out) at approximately every 3-5 seconds. Oxygen Therapy
C.O.P.D. (CLSM 8:3) COPD stands for characterized by difficulty breathing. The most corbronchitis. The main cause of COPD is cigarette so A small percentage of patients with advance are triggered to breathe by implications for oxygen therapy. If oxygen is applied the same litre flow, but if the patient's respiratory of turned down to 1-2 lmp. If ventilations are necessary 15 lmp.	moking. ed COPD lose their sensitivity to carbon dioxide This rare condition may have some ed to a patient with COPD, it should be given at condition begins to worsen the litre flow should be

**Do not withhold oxygen from a patient who may benefit from its use