

Defib Academy Ch. 11 Workbook Homework

Total points 74/100 ?

Chapter 11 (Airway Management) Workbook Homework

Email *

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✓ What is the most common airway obstruction in the unconscious patient? *2/2

- ☐ Tonsils
- ☐ Food
- ☒ Tongue
- ☐ Blood



✓ What percentage of the air that we breathe is made up of oxygen? * 2/2

- ☐ 12%
- ☐ 16%
- ☐ 78%
- ☒ 21%



✗ When a person goes ____ minutes without oxygen, brain damage is very likely. *0/2

- ☐ 6 to 10
- ☐ 0 to 4
- ☐ More than 10
- ☒ 4 to 6

✗

✓ The pin-indexing system is used to allow any gas regulator to be connected to an oxygen cylinder. *2/2

- 1. True
- 2. False

✓

✓ A complex structure made of cartilage, marking where the upper air- way ends and the lower airway begins: *2/2

- ☐ Alveoli
- ☐ Diaphragm
- ☐ Mediastinum
- ☒ Larynx

✓



✗ What concentration of inspired oxygen is provided by a nasal cannula when the flowmeter is set at 1 to 6L/min? *0/2

- ☒ 52% to 84%
- ☐ 89% to 98%
- ☐ 10% to 18%
- ☐ 24% to 44%

✗

✓ An irregular breathing pattern with increased rate and depth followed by apnea: *2/2

- ☐ Hypoxic drive
- ☒ Cheyne-Stokes
- ☐ Tidal volume
- ☐ Hypoxia

✓

✓ An active part of breathing: * 2/2

- ☐ Exhalation
- ☐ Hypoxia
- ☒ Inhalation
- ☐ Ventilation

✓



✓ Insufficient oxygen for cells and tissues: *

2/2

- ☐ Alveoli
- ☐ Hypoxic drive
- ☒ Hypoxia
- ☐ Cheyne-Stokes



✗ Vena Cava *

0/2

- ☒ Upper and Lower Airways
- ☐ Thoracic Cavity



✓ Nasopharyngeal airways physically keep the tongue from blocking the upper airway and facilitate suctioning of the oropharynx.

*2/2

1. True
2. False



✓ The air we breathe contains ____ % oxygen and ____ % nitrogen. * 2/2

☐ 15/78

☐ 21/75

☐ 20/54

☒ 21/78



✓ Compressed gas cylinders pose no unusual risk. * 2/2

1. False



2. True

✓ In exhalation, air pressure in the lungs is ____ than the pressure outside. * 2/2

☐ Equal to

☒ Higher

☐ Lower

☐ Similar to



✗ A secondary system for control of breathing: *

0/2

- ☐ Hypoxic drive
- ☐ Ventilation
- ☐ Alveoli
- ☒ Diaphragm

✗

✓ Which of the following statements regarding respiratory rate is TRUE? *

2/2

- ☒ The normal rate is 12 to 20 breaths/min.
- ☐ The respiratory rate is about equal to the person's heart rate.
- ☐ The rate is faster when the person is sleeping.
- ☐ The rate is the same in infants and children.

✓

✓ Oropharyngeal airways should be measured from the tip of the nose to the earlobe.

*2/2

- 1. False
- 2. True

✓



✓ Lung *

2/2

☒ Thoracic Cavity



☐ Oral Cavity

✓ During inhalation, the ____ and _____ contract, causing the thorax to enlarge. *2/2

☐ Heart/mind

☒ Diaphragm/intercostal muscles



☐ Lungs/ribcage

☐ Vertebrae/diaphragm

✓ Pharynx *

2/2

☐ Thoracic Cavity

☒ Oral Cavity



✗ You respond to a construction site and find a worker lying supine in the dirt. He was struck by a heavy construction vehicle and flew more than 15 feet (4.6 m) before landing in his current position. There is discoloration and distention of his abdomen about the right upper quadrant (RUQ). He is unconscious, and his respirations are 10 breaths/min and shallow, with noisy gurgling sounds. What technique will you use to open his airway? *0/2

- ☒ Head tilt-chin lift maneuver
- ☐ Jaw-thrust
- ☐ Head tilt-neck lift maneuver
- ☐ Cross-finger technique

✗

✓ Insufficient oxygen in the cells and tissues is called hypoxia. * 2/2

- 1. True
- 2. False

✓



✓ You respond to a construction site and find a worker lying supine in the dirt. He was struck by a heavy construction vehicle and flew more than 15 feet (4.6 m) before landing in his current position. There is discoloration and distention of his abdomen about the right upper quadrant (RUQ). He is unconscious, and his respirations are 10 breaths/min and shallow, with noisy gurgling sounds. After opening the airway, your next priority is to: *2/2

- ☒ Suction the airway ✓
- ☐ Provide oxygen at 15 L/min via a nasal cannula
- ☐ Provide oxygen at 6 L/min via a nonrebreathing mask
- ☐ Assist respirations

✓ Nasopharynx * 2/2

- ☒ Oral Cavity ✓
- ☐ Thoracic Cavity

✓ Moves downward with contraction: * 2/2

- ☐ Larynx
- ☐ Exhalation
- ☐ Hypoxia
- ☒ Diaphragm ✓



✓ The primary mechanism for triggering breathing is the level of _____ in the blood. *2/2

- ☐ Nitrogen
- ☐ Iron
- ☐ Oxygen
- ☒ Carbon dioxide



✓ Which of the following is a sign of inadequate breathing in an adult? * 2/2

- ☒ Diminished breath sounds.
- ☐ Equal chest expansion.
- ☐ Respiratory rate of 18 breaths/min.
- ☐ Warm, pink skin.



✓ Hyoid Bone * 2/2

- ☐ Thoracic Cavity
- ☒ Oral Cavity



✓ The amount of air moved during one breath: *

2/2

- ☐ Ventilation
- ☐ Hypoxia
- ☐ Exhalation
- ☒ Tidal volume



✓ The brainstem normally triggers breathing by increasing respirations when:

*2/2

- ☐ Oxygen levels increase
- ☐ Nitrogen levels decrease
- ☐ Carbon dioxide levels decrease
- ☒ Carbon dioxide levels increase



✓ The upper airway consists of all anatomic airway structures above the level of the _____ .

*2/2

- ☒ Vocal chords
- ☐ Ribcage
- ☐ Lungs
- ☐ Diaphragm



✓ When ventilating a patient with a bag-mask device, you should: *

2/2

- ☒ Look for rise and fall of the chest
- ☐ Squeeze the bag hard and fast
- ☐ Only perform this with an advanced airway
- ☐ Look for inflation of the cheeks



✗ What are agonal gasps? *

0/2

- ☒ Occasional gasping breaths but adequate to maintain life
- ☐ Another name of ataxic respirations
- ☐ Painful respirations due to broken ribs
- ☐ Occasional gasping breaths but unable to maintain life



✗ When the airway is not clear, suctioning the oral cavity before positive pressure ventilation is initiated is important because it:

*0/2

- ☒ Prevents gagging
- ☐ Stimulates the patient to breathe
- ☐ Helps reduce the risk of aspiration
- ☐ Prevents tachycardia



✓ Continuous positive airway pressure has proven to be immensely beneficial to patients experiencing respiratory distress from acute pulmonary edema or obstructive pulmonary disease.

*2/2

1. False

2. True



✗ A passive process not requiring muscular effort: *

0/2

☐ Ventilation

☐ Exhalation

☐ Inhalation

☒ Hypoxia



✓ Epiglottis *

2/2

☒ Oral Cavity

☐ Thoracic Cavity



✗ Raises ribs when it contracts: *

0/2

- ☐ Mediastinum
- ☐ Intercostal muscle
- ☒ Diaphragm
- ☐ Larynx

✗

✓ Which of the following is the most common method of assisting ventilations in the field?

*2/2

- ☐ Mouth-to-mask with one-way valve
- ☐ Continuous positive airway pressure (CPAP)
- ☒ Bag-mask device with oxygen reservoir and supplemental oxygen
- ☐ Flow-restricted, oxygen-powered ventilation device

✓

✓ Bronchus *

2/2

- ☒ Oral Cavity
- ☐ Thoracic Cavity

✓



✓ You respond to a construction site and find a worker lying supine in the dirt. He was struck by a heavy construction vehicle and flew more than 15 feet (4.6 m) before landing in his current position. There is discoloration and distention of his abdomen about the right upper quadrant (RUQ). He is unconscious, and his respirations are 10 breaths/min and shallow, with noisy gurgling sounds. What method will you use to keep his airway open? *2/2

- ☐ Nasal cannula
- ☐ Head tilt-chin lift maneuver
- ☐ Jaw thrust
- ☒ Oropharyngeal airway



✓ The space between the lungs that contains the heart, great vessels, trachea, main bronchi, esophagus, and many nerves: *2/2

- ☐ Diaphragm
- ☐ Alveoli
- ☐ Intercostal muscle
- ☒ Mediastinum



✓ The proper technique for sizing an oropharyngeal airway before insertion is to measure the device from: *2/2

- ☐ The center of the jaw to the earlobe
- ☐ The bridge of the nose to tip of the chin
- ☒ The corner of the mouth to the earlobe or angle of the jaw
- ☐ The tip of the nose to earlobe



✗ The exchange of air between lungs and the environment: *

0/2

- ☐ Ventilation
- ☒ Inhalation
- ☐ Exhalation
- ☐ Alveoli



✗ Nasal cannulas can deliver a maximum of 44% oxygen at 6 L/min. *

0/2

- 1. False
- 2. True



✓ Which of the following is a contraindication for placement of an oropharyngeal airway?

*2/2

- ☐ Severe head injury
- ☒ Intact gag reflex
- ☐ Unconsciousness
- ☐ Fractured nasal bone



✗ What is a common problem when a single EMT uses a bag-mask device? * 0/2

- ☐ Delivering an inappropriate rate of ventilations
- ☒ Environmental conditions
- ☐ Maintaining airtight mask seal
- ☐ Overinflation of the lungs



✓ Hypoxia is the act of air moving in and out the lungs during chest compressions.

*2/2

1. True
2. False



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✓ The functional site of oxygen and carbon dioxide exchange: *

2/2

- ☐ Ventilation
- ☐ Exhalation
- ☒ Alveoli
- ☐ Inhalation



✗ Which of the following could result in an inaccurate pulse oximetry reading?

*0/2

- ☒ Vasodilation
- ☐ Carbon monoxide poisoning
- ☐ Warm extremities
- ☐ Hyperthermia



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