

PRINTED TEST

NAME _____ 2010 DATE _____

Smith Seminars
Arterial Blood Gases Online Test

1. _____ As an important aspect of quality management, respiratory therapists need to be trained and periodically recertified in:
 - A) Universal precautions, proper syringe preparation, and site determination
 - B) Puncture technique and sample acquisition
 - C) Storage and disposal of blood specimens and care of the puncture site
 - D) All the above

2. _____ Indications for ABGs include:
 - A) Clinical presentation of normal ventilation, oxygenation, and acid-base status.
 - B) Evaluate changes in therapy such as FiO₂, applied PEEP, ventilator rate, or tidal volume changes.
 - C) None of the above
 - D) A & B

3. _____ If an ABG sample is contaminated with air:
 - A) The measured PO₂ of the sample increases if the true value is less than 150 mmHg
 - B) The measured PO₂ of the sample decreases if the true value is more than 150 mmHg.
 - C) A & B
 - D) None of the above

4. _____ The arterial blood can be obtained from several arteries, but the radial artery is usually chosen because of the:
 - A) Radial artery never causes puncture pain.
 - B) Collateral blood flow to the hand via the ulnar artery.
 - C) Radial site is less aseptic than femoral site
 - D) None of the above

5. _____ Contraindications for an arterial needle stick include:
 - A) Area with a shunt, fistula, or lesion
 - B) Positive modified Allen's test
 - C) Low levels of anticoagulants or a clotting disorder
 - D) All the above

6. _____ When performing a modified Allen's test, the therapist should:
 - A) Compress the brachial artery and tell the patient to make a fist and hold
 - B) Assess the hand for 2-3 seconds to check for flushing
 - C) Proceed with the stick if ulnar filling is poor and no flushing occurs
 - D) Compress the radial and ulnar arteries and tell patient to make a fist and open

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7. _____ When a patient has uncompensated metabolic acidosis there may be:
- A) A decreased pH, normal PCO₂, and a decreased HCO₃
 - B) A normal pH, increased PCO₂, and increased HCO₃.
 - C) An increased pH, decreased PCO₂, and decreased HCO₃
 - D) None of the above
8. _____ Disorders associated with hypercapnia include:
- A) Central respiratory depression or chest wall abnormality
 - B) Upper or lower respiratory tract disease
 - C) Abnormal neuromuscular function
 - D) All the above
9. _____ Normal range values for ABGs are
- A) pH 7.35-7.45
 - B) HCO₃ 35-45 mmHg
 - C) PCO₂ 15-45 mEq/L
 - D) PO₂ <20 mmHg
10. _____ If the pH is abnormal, one value either PaCO₂ or HCO₃ is abnormal, and one value is normal the condition is:
- A) Respiratory alkalosis
 - B) Metabolic acidosis
 - C) Compensated
 - D) Uncompensated

Submission Instructions

Print the test, answer the questions, and fill out personal information.

Submission Method #1 – Fax to us at 972-759-9791

Submission Method #2 – Smith Seminars, PO Box 516, Paradise, TX 76073

Submission Method #3 – Go to www.smithseminars.com online tests and enter answers

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