

## Academy of Surgical Research

### Questions for Surgical Research Anesthetist Exam – **EXAMPLES** Questions are created from the reference list found on the ASR web site.

- 1.) A correct statement regarding doxapram hydrochloride (Dopram-V) is that it is a:
  - a. Local anesthetic.
  - b. Narcotic antagonist.
  - c. Cardiac depressant.
  - d. Respiratory stimulant.
  
- 2.) Animals which receive barbiturate anesthesia while in a state of alkalosis will require a:
  - a. A longer induction period
  - b. A shorter induction period
  - c. No change in the induction period
  
- 3.) One of the following is not an advantage of a non-breathing system?
  - a. Economical
  - b. Soda Lime not required
  - c. Nitrous oxide can be used safely
  - d. Dry, cold gases are delivered to the patient.
  
- 4.) Cardiac output is calculated by:
  - a.  $CO \times SVR$
  - b.  $HR \times CO$
  - c.  $HR \times SV$
  - d.  $PCV \times Hb$
  
- 5.) When monitoring blood pressure the heart response during systolic is:
  - a. Relaxation of the heart
  - b. Contraction of the heart
  - c. Arrhythmia of the heart
  
- 6.) Increasing the kV for a radiograph will:
  - a. Decrease the penetrating ability of the x-ray photons
  - b. Have no effect on the radiograph
  - c. Increase the penetrating ability of the x-ray photons
  - d. Produce a whiter image with high contrast.
  
- 7.) You are going to anesthetize a 125 lb. pig and want to pre-op the pig with the following:  

1.5% atropine at 0.02 mg/lb IM  
10% ketamine at 5 mg/lb IM  
Innovar Vet at 1ml/30 lbs IM

How many mgs of each drug are you going to give the pig?

- a. Atropine – 4.5, Ketamine – 450, and Innovar Vet 2.99
- b. Atropine – 6.5, Ketamine – 130, and Innovar Vet 9.00
- c. Atropine – 2.5, Ketamine – 625, and Innovar Vet 4.16
- d. Atropine – 3.25, Ketamine – 750, and Innovar Vet 4.30

ANSWERS: 1-D, 2-A, 3-D, 4-C, 5-B, 6-C, 7-C