

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