

AVTAA SAMPLE EXAM QUESTIONS

1. Hyperkalemia with a circulating level above 6.5 mmol/L should be corrected prior to anesthesia if possible, as it may lead to:
 - A. Pulmonary hypertension
 - B. Increased cardiac excitability
 - C. Decreased myocardial contractility and bradycardia
 - D. A lowering of the cardiac threshold for sodium
2. The reflex that is responsible for causing acute bradycardia during traction, pressure on the eye or surrounding structures, is the:
 - A. Branham Reflex
 - B. Oculocardiac Reflex
 - C. Cushing's Reflex
 - D. Vasovagal Reflex
3. Depolarization (phase 0) of the cardiac myocyte occurs when:
 - A. The magnesium channels open increasing magnesium permeability
 - B. The potassium channels open increasing potassium permeability
 - C. The calcium channels open increasing calcium permeability
 - D. The sodium channels open increasing sodium permeability
4. The reason why PEEP may be employed in a mechanically ventilated patient is because it:
 - A. Diminishes hypoxemia and restores functional residual capacity
 - B. Decreases mean airway pressure
 - C. Increases V/Q mismatch
 - D. Does not affect oxygenation or hypoxia
5. In geriatric patients, a decrease in renal blood flow is related to a:
 - A. Reduction of ADH
 - B. Decrease in cardiac output
 - C. Result of aldosterone loss
 - D. Decrease in hepatic function