

JOINT COUNCIL ON IN-TRAINING EXAMINATIONS

American Board of Anesthesiology-American Society of Anesthesiologists

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Memo to: Residency Program Directors

From: Glenn Gravlee, MD

Chair, ABA/ASA Joint Council on In-training Examinations

Subject: Gaps in Knowledge from 2009 In-training Examination

As for previous examinations, the Joint Council is providing this report about gaps in knowledge evident from this year's In-training Examination. Without further ado, most CA3 residents from our residency programs lacked knowledge in the following areas:

1. The effect of temperature change on gas cylinder pressure is calculated from absolute temperature rather than from degrees Celsius.
2. The percent reduction in alveolar concentration of a volatile anesthetic agent observed after one time constant.
3. The indications for antibiotic prophylaxis for infective endocarditis
4. Predictors of pulmonary morbidity after pulmonary resection.
5. Which intravenous anesthetic drugs reduce seizure duration with electroconvulsive therapy.
6. Reduction in creatinine clearance is a more sensitive marker for renal injury than reduced urine output.
7. The most appropriate nerve to block in order to treat pain in the vastus lateralis muscle.
8. An increase in mean arterial pressure unaccompanied by an increase in diastolic arterial pressure will increase right ventricular free wall perfusion more than left ventricular endocardial perfusion.
9. The presence of a collapsed lung slows the alveolar rate of rise for less soluble volatile anesthetic agents more than that for more soluble volatile anesthetic agents.
10. Fetal bradycardia is a better indicator of uterine rupture than abdominal pain during attempted vaginal delivery after cesarean section.
11. Hyperventilation reduces uterine blood flow.

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