

## ANESTHESIOLOGY

1. Which of the following drugs is most likely to have a major side effect diminished by the administration of a benzodiazepine?
  - a. Midazolam
  - b. Ketamine
  - c. Thiopental
  - d. Halothane
2. A patient indicates he had a severe allergic reaction to Procaine (Novocaine) as a child. Circle all medications that would be safe to administer for local anesthetic.
  - a. Lidocaine
  - b. Cocaine
  - c. Bupivacaine
  - d. Tetracaine (the “stuff” in the brown bottles)
3. Nitrous oxide is characterized by which of the following (circle all that apply)
  - a. powerful anesthetic
  - b. powerful analgesic
  - c. high potency
  - d. both positive and negative pressure changes in closed spaces
4. If a patient was diagnosed with a new syndrome characterized by inherited deficiencies of nerve junction cholinesterase which scenario would be expected?
  - a. intense paralysis with succinylcholine
  - b. prolonged paralysis with administration of pancuronium
  - c. nondepolarizer reversal mediated by edrophonium
  - d. none of the above
5. Inhaled agent “potency” is frequently measured and compared using:
  - a. monitored anesthesia care (MAC)
  - b. mean alveolar concentration (MAC)
  - c. chloroform equivalents (CE)
  - d. Muller’s anesthetic comparisons (MAC)
6. If you are delivering 0.5% of gas X (MAC of 1.0%) and .40% of gas Y (MAC of 0.8%) your anesthetic effect should be equivalent to:
  - a. 0.75% of gas X
  - b. 0.8% of gas Y
  - c. 1.3% of gas X
  - d. not known with provided information
7. The “balanced anesthesia” concept includes the need for which of the following (circle all correct answers):
  - a. muscle relaxation
  - b. analgesia
  - c. anesthesia
  - d. reversal
8. A man is declares he will refuse all anesthetics except for Nitrous oxide (he has had that before and finds it very enjoyable). You explain that the expected side effect of full anesthesia with nitrous oxide is:
  - a. cardiac irritability

- b. death from anoxia
  - c. possible stroke
  - d. seizure potentiation
9. A patient on the floor gets a little carried away with the PCA pump. At 7:00 a.m. when you see him he shows evidence of respiratory depression with decreasing saturations. You administer the appropriate dose of Naloxone. He quickly returns to baseline and you are hailed a hero. What event is most likely to tarnish your pedestal?
- a. Chris somehow being credited with the save (he *was* in the building, after all)
  - b. Abrupt decline in respiratory drive and mental status just after you start your first case (Dr. Pou is not pleased).
  - c. John, just coming on the morning shift, turns the PCA back on.
  - d. Allergic reaction to naloxone results in acute renal failure
10. The treatment of malignant hyperthermia should include (circle all correct answers):
- a. d/c of inhaled fluorinated agent
  - b. d/c of succinylcholine
  - c. Dantrolene injection
  - d. hydration
11. Which of the following is most likely take all the residents to a farewell lunch before leaving to the “outside world.”
- a. Tricky Rick Rosen
  - b. Chris-“bowed-up”-Muller
  - c. Mikey Underpants
  - d. Yeah, right.