

## Pediatric Anesthesiology Exam Sample Items

1. A 5-year-old girl requires a craniotomy for subarachnoid hemorrhage following a motor vehicle collision. Which of the following parameters is consistent with a postoperative diagnosis of syndrome of inappropriate antidiuretic hormone secretion (SIADH)?
  - A. Serum osmolality 300 mOsm/L
  - B. Serum sodium 128 mEq/L
  - C. Urine sodium < 20 mmol/L
2. A 1-week-old infant develops pulmonary hypertension following repair of a congenital diaphragmatic hernia. Which of the following lab findings is **MOST** likely to be a contributing factor to this patient's hypertension?
  - A. PaCO<sub>2</sub> 50
  - B. pH 7.50
  - C. PaO<sub>2</sub> 150 mmHg
3. A 3-week-old neonate is brought to the emergency department because of a three-day history of intermittent vomiting. His mother reports that he has not urinated for eight hours. On physical examination, his eyes are sunken. Which of the following will **MOST** likely require correction before surgery is performed?
  - A. Hypochloremia
  - B. Hyperkalemia
  - C. Hyponatremia
4. A 2-month-old premature infant born at 30 weeks gestation is scheduled for an inguinal hernia repair. Which of the following preoperative findings would **BEST** predict an increased risk of postoperative apnea?
  - A. Hemoglobin 7 gm/dL
  - B. Glucose 61 mg/dL
  - C. Room air SpO<sub>2</sub> 92%
5. An infant with gastroschisis is **MORE** likely than one with an omphalocele to have which of the following conditions?
  - A. Congenital heart disease
  - B. History of prematurity
  - C. Imperforate anus

## Answer Key

1. B

2. A

3. A

4. A

5. B