



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. PaCO₂ 50
 - B. pH 7.50
 - C. PaO₂ 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 SpO₂ 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