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**ATI Dosage Calculations Exam| More than
200 Questions and Verified Answers| 100%
Correct (2023/ 2024 Update)**

Q: The nurse is preparing to administer Hepatitis B vaccine, Recombinant (Energix-B) 2.5 mcg IM to a school aged child. The vaccine is labeled, 10 mcg/ml. How many ml should the nurse administer? (Enter numeric value only. If rounding is required, round to the nearest tenth).

Answer:

0.3 ml

Q: A client's daily PO prescription for aripiprazole (Abilify) is increased from 15 mg to 45 mg. The medication is available in 15 mg tablets, and the client already received one tablet today. How many additional tablets should the nurse administer so the client receives the total newly prescribed dose for the day.

Answer:

2 tablets

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Q: The nurse is administering 600 ml of IV solution to be infused over 4 hours. How many ml/hour should the nurse program the infusion pump?

Answer:

150 ml/hr

Q: The nurse is preparing to administer 0.75 mg of Bumex IV. The medication is available in a vial labeled 1 mg/4ml. How many ml of medication should the nurse administer?

Answer:

3 ml

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Q: A client with hypertension receive a prescription for Cartel 7 mg PO daily. The drug is available in 2 mg scored tablets. How many tablets should the nurse administer?

Answer:

3.5 tablets

Q: The healthcare provider prescribes Bactrim DS oral suspension 240 mg BID for a child with bronchitis. The Bactrim bottle is labeled 250 mg/5ml. How many ml should the nurse administer? (if rounding is required, round to the nearest tenth).

Answer:

4.8 ml

Q: The healthcare provider prescribes Diamox 800 mg/m²/day divided into 4 doses. The nurse calculates the child's body surface area (BSA) as 0.7m². How many mg should the child receive per dose?

Answer:

140 mg/dose

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Q: A loading dose of acetylcysteine (Mucomyst) 10 g, which is available as a 20% solution (200 mg acetylcysteine per ml) is prescribed by nasogastric tube for a client with acetaminophen toxicity. How many ml of diluent should be added to the medication to obtain 1:4 concentration? (Enter numeric value only. If rounding is required, round to the nearest tenth).

Answer:

200 ml

Q: A child who weighs 62 pounds receives a prescription for atovaquone with proguanil (Malarone Pediatric) 125 mg/50mg PO daily. A drug reference states that children 11 - 20 kg should receive 1 pediatric tablet daily, 21 - 30 kg should receive 2 pediatric tablets daily, 31 - 40

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kg should receive 3 pediatric tablets daily, and > 40 kg should receive 1 adult tablet daily with food. The drug is available as atovaquone 62.5mg/proguanil 25 mg pediatric tablets. How many tablets should the nurse administer?

Answer:

2 tablets

Q: A client receives a prescription for azithromycin (Zithromax) 500 mg PO on day 1, then 250 mg on days 2-5. Azithromycin is available in 250 mg scored tablets. How many tablets should pharmacy send to the unit to cover the five day period the patient is on the medication?

Answer:

6 tablets

Q: A client who is scheduled for a kidney transplant receives a prescription for basiliximab (Simulect) 20 mg IV 2 hours prior to surgery. The medication is available in a 20 mg vial that is reconstituted by adding 7.5 ml sterile water for injection, and administered in a 50 ml bag of normal saline over 30 minutes. The nurse should program the infusion pump to deliver how many ml per hour?

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Answer:

115 ml/hr

Q: The nurse notes that a client is receiving an oxytocin (Pitocin) infusion via a pump that is programmed to deliver 40 ml/hr. The available solution is Ringers Lactated 1000 ml with Pitocin 30 units. How many milliunits/minute is the client receiving?

Answer:

20 mU/min

Q: A client is receiving Heparin Sodium 15,000 units in 5% Dextrose injection 500 ml IV at 1000 unit/hour per protocol for acute coronary syndrome (ACS). The client's partial thromboplastin (PTT) is 76 seconds. Based on ACS protocol, the infusion should be decreased

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by 100 units/hour for a PTT between 71 to 80 seconds. The nurse should program the pump to deliver how many ml/hour?

Answer:

30 ml/hr

Q: The healthcare provider prescribes oxytocin (Pitocin) 1.5 milliunits/minute for a client in labor. One liter of Ringers Lactate with 10 units of oxytocin (Pitocin) is infusing. The nurse should program the infusion pump at how many ml/hour?

Answer:

9 ml/hr

Q: Docusate sodium (Colace) 300 mg is prescribed for a client who has frequent constipation. Each capsule contain 100 mg. How many capsules should the nurse administer?

Answer:

3 capsules

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Q: A client who has a sinus infection is receiving a prescription for amoxicillin/clavulanate potassium (Augmentin) 250 mg PO q 8 hours. The available form is 500 mg amoxicillin/125mg clavulanate tablets. How many tablets should the nurse administer for each dose?

Answer:

0.5 tablet

Q: The healthcare provider prescribes acetaminophen elixir (Tylenol elixir) 600 mg PO q 6 hours for an adult client experiencing pain associated with maxillofacial surgery. The bottle is labeled 500 mg/15 ml. How many ml will the patient receive in a 24 hour period?

Answer:

72 ml