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## Class Prep Safe Intravenous Medication Administration

1. A nurse is planning care for a client who is receiving IV therapy. Which of the following measures should the nurse include to prevent phlebitis?
  - a. Change IV site weekly.
  - b. Apply warm compress to IV site.
  - c. Use clean technique when replacing the transparent dressing over the IV site.
  - d. **Use a small-gauge catheter when initiating IV therapy.**

**Answer: D**

1. A nurse is caring for a client who is receiving norepinephrine by continuous IV infusion. During a routine assessment of the IV site, the nurse notes that the catheter is no longer in the vein and the vesicant medication has infused into the subcutaneous tissue. Which of the following actions should the nurse take?
  - a. Apply a tourniquet proximal to the IV site.
  - b. Call the rapid response team and start oxygen.
  - c. Prepare to administer a diuretic.
  - d. **Stop the infusion and prepare to administer an antidote.**

**Answer: D**

1. A nurse is preparing to use the piggyback method to administer a secondary IV medication. Where should the nurse place the secondary bag?
  - a. **Higher than the primary bag**
  - b. Lower than the primary bag
  - c. Equal in height to the primary bag.

**Answer: A**

1. A nurse is reviewing the label affixed to a bag of IV medication to be given as an intermittent IV bolus. Which of the following information must be included?
  - a. **Client's medical record number**
  - b. Provider's name
  - c. **Infusion time for medication**
  - d. **Diluent solution**
  - e. **Expiration date of medication**

**Answer: A,C, D, and E**

1. Which of the following is the abbreviation for the IV solution half normal saline?
  - a. 0.25% NaCl
  - b. **0.45% NaCl**
  - c. 0.5% NaCl
  - d. 0.9% NaCl

**Answer: B**

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1. Match the type of IV solution with its description

- |                     |  |
|---------------------|--|
| <u>B</u> Isotonic   | a. Pulls fluids out of the cells and into the veins.               |
| <u>C</u> Hypotonic  | b. Remains in the intravascular space.                             |
| <u>A</u> Hypertonic | c. Moves fluid from the veins to the cells and interstitial spaces |

1. A nurse is preparing to administer 0.9% NaCl 1,000 mL IV to infuse over 10 hr. The nurse should set the IV pump to deliver how many mL/hr? (Round answer to nearest whole number).

100 mL/hr

1. A nurse is preparing to administer 0.45 NaCl 500 mL IV to infuse over 8 hr. The nurse should set the IV pump to deliver how many mL/hr? (Round answer to nearest whole number).

63 mL/hr