BEEBE HEALTHCARE
MARGARET H. ROLLINS SCHOOL OF NURSING
NURSING 101 - FOUNDATIONS OF NURSING

IV Calculations Worksheet (1)
2021

Instructions: Calculate the IV rate as directed. The drop factor is 10 gtt/mL.

1. The physician orders 1000 mL of D5/NS to infuse over 12 hours. How many mL/hr does the nurse need to program on the IV pump?

2. The order is to infuse Ampicillin 1 g that has been diluted in 100 mL D5W over 30 minutes. How many gtt/min should the IV infuse?

3. Order: 500 mL D5W to infuse in 4 hours. How many gtts/min are necessary?

4. Order: D5/LR 1000 mL with 20 mEq KCl at 100 mL/hr. How many mEq/hr of KCl will the nurse administer?

5. The physician orders 500 mL of NS with 10,000 units Heparin to infuse at 100 units/hour. How many mL/hour will be infused?

6. The physician orders 500 mL of NS with 100 units Regular Insulin to infuse at 3 mL/ hr. How many units/hour of insulin are infusing?

7. Order: Heparin 12,500 units in 500 mL NS for a patient weighing 132 pounds. Give a bolus dose of 80 units/kg (available as 10,000 units/mL) followed by an infusion of 20 units/kg/hr.

   a. How many mLs will you administer as a bolus?

   b. How many mL/hr will be infusing?