

IV therapy is ordered for Mr R. He is to have 2 litres of 0.9% Saline over

12 hours. The IV set delivers 20 drops per ml, calculate the rate

of infusion in drops per minute

**IV FLOW RATES**

**Practice Problems:**

Calculate the flow rate when using an electronic pump (mL/hr):

1. Infuse 1500 cc NS over 24 hours.

2. Infuse1000 cc D5W over 15 hours.

3. Infuse 1000 cc NS over 10 hours.

4. Infuse 600 cc LR over 3 hours.

5. Infuse 2000 cc ½ NS over 24 hours.

6. Infuse Cimetidine 300 mg IVPB mixed in 100 cc NS over 45 minutes.

7. Infuse Ampicillin 500 mg IVPB mixed in 50 cc NS over 10 minutes.

8. Infuse Granisetron 20 mg IVPB mixed in 75 cc NS over 45 minutes.

9. Infuse Ampicillin 500 mg IVPB mixed in 50 cc NS over 30 minutes.

10. Infuse 30 cc of 3% NS IVPB over 15 minutes.

**Practice Problems**

Determine the infusion rate in gtts/min for the following:

1. Order: 1000 cc NS to infuse in 8 hours. Drip factor of administration set: 15 gtts/cc.

2. Order: 1000 cc NS to infuse in 6 hours.Drip factor of administration set: 20 gtts/cc.

3. Order: 1000 cc NS to infuse in 10 hours.Drip factor of administration set: 15 gtts/cc.

4. Order: 500 cc NS to infuse in 4 hours. Drip factor of administration set: 15 gtts/cc.

5. Order: 85 cc NS to infuse in 1 hour. Administration set is a micro set.

6. Order: 1500 cc D5W to infuse in 10 hours. Drip factor of administration set: 15 gtts/cc.

7. Order: 1000 cc NS to infuse in 8 hours. Drip factor of administration set: 20 gtts/cc.

8. Order: Famotidine 40 mg IVPB mixed in 100 cc NS to infuse over 30 minutes. Drip factor: 20 gtts/cc.

9. Order: Doxycycline 200 mg IVPB mixed in 100 cc NS to infuse over 30 minutes. Drip factor: 10 gtts/cc.

10. Order: Vancomycin 500 mg IVPB in 250 cc to infuse over 45 minutes. Drip factor: 15 gtts/cc.