
IV medication (piggy back) rate calculations #2

Calculate the mL/hour and gtts/min (drops per minute) of the following IV medications. Round the rates to the nearest whole number.

1. 250 mg Aminophylline in 500 mL D5W in 8 hours using a 60 gtt/mL set
2. 500 mg Flagyl in 100 mL NS to run in 1 hour using a 20 gtt/mL set.
3. 1 Gm. Ampicillin in 50 mL NS to run in 30 minutes using a 15gtt/mL set.
4. Cimetidine 300 mg in 50 mL D5W to run in 1 hour using a 10 gtt/mL set.
5. Heparin 1000 Units per hour using a 60 gtt/mL set. (concentration: 40,000 Units Heparin in 500 mL D5W).
6. Gentamycin 60mg in 50 mL NS to run in 1 hour using a 15gtt/mLset.
7. Heparin 1400 Units per hour using 15 gtt/mL set. Concentration: 20,000 Units Heparin in 500 mL D5W.)
8. Morphine Sulfate 40 mg in 250 mL NS to infuse at 3 mg/hr using a 10 gtt/mL set.
9. Humulin Regular 50 Units in 250 mL NS to infuse at 6 Units per hour using a 60 gtt/ml set.
10. Nafcillin 2 Gm. in 100 mL NS in 30 minutes using a 20 gtt/mL set.

IV medication (piggy back) rate calculations #2

Calculate the mL/hour and gtts/min (drops per minute) of the following IV medications. Round the rates to the nearest whole number.

1. 250 mg Aminophylline in 500 mL D5W in 8 hours using a 60 gtt/mL set
62 gtts/min
2. 500 mg Flagyl in 100 mL NS to run in 1 hour using a 20 gtt/mL set.
33 gtts/min
3. 1 Gm. Ampicillin in 50 mL NS to run in 30 minutes using a 15gtt/mL set.
25 gtts/min
4. Cimetidine 300 mg in 50 mL D5W to run in 1 hour using a 10 gtt/mL set.
8gtts/min
5. Heparin 1000 Units per hour using a 60 gtt/mL set. (concentration: 40,000 Units Heparin in 500 mL D5W).
12 gtts/min
6. Gentamycin 60mg in 50 mL NS to run in 1 hour using a 15gtt/mLset.
12 gtts/min
7. Heparin 1400 Units per hour using 15 gtt/mL set. Concentration: 20,000 Units Heparin in 500 mL D5W.)
9 gtts/min
8. Morphine Sulfate 40 mg in 250 mL NS to infuse at 3 mg/hr using a 10 gtt/mL set.
31 gtts/min
9. Humulin Regular 50 Units in 250 mL NS to infuse at 6 Units per hour using a 60 gtt/ml set.
30 gtts/min
10. Nafcillin 2 Gm. in 100 mL NS in 30 minutes using a 20 gtt/mL set.
50 gtts/min