9. From 0700 to 1600 the nurse calculates the patient's total intravenous fluid intake as [1] milliliters. An IV is infusing at 150 mL/hour. At 1200, the patient will receive IVPB of 75 mL for 30 minutes. What is the total amount the patient will receive during this time?

$9(150) + 75 = 1{,}425$

10. Administer 5 milligrams of acyclovir in 75 milliliters of normal saline over 15 minutes. The nurse will set the IV pump at [1] mL/hour.

$75(4) = 300$ mL/hour

11. Phenytoin (Dilantin), 7,000,000 mcg PO, is ordered to be given through a nasogastric tube. Phenytoin is available as 5,000 mg / 18 mL. How much would the nurse administer? Round to a whole number.

$5000 = 5{,}000{,}000$ mcg $= 25$

12. Solumedrol 1.5 mg/kg is ordered for a patient weighing 74.8 lb. Solumedrol is available as 125 mg / 2mL. How many mL should the nurse administer?

$74.8\text{lb} = 34\text{kg} \quad -\frac{51 \times 2}{125\text{ mg}} = 0.8$

13. Give patient 24.4 mg of dopamine in 363 mL of D5W to be infused at a rate of 9,818 mcg/hr. Calculate the flow rate in mL/hr.

$\frac{24{,}400 \times 363}{9818}$ 902 mL/hr

14. Give patient 10.1 mg of dopamine in 251 mL of D5W to be infused at a rate of 6 mg/hr. Calculate the flow rate in mL/hr.

$\frac{6(10.1)}{251} = 0.2$ 20 ml

15. Ordered Lasix 12,000,000 mcg IV push now. Available: 0.025 kg in 15 mL. How much will the nurse draw up?

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