Rockdale Medical Center
New Nurse Testing

Study Guide for New Graduate Basic Medication And General Nursing Tests

In preparation for the New Graduate Medication and General Nursing Test, you may want to review the following:

Basic Drug calculations
Intravenous drip calculations
General nursing assessment and disease process
Emergency drugs
Age-specific variables
Drug interactions and side effects
Nutrition
Post-operative care
Cancer screenings/treatment
CPR
General guidelines for drug administration:

- Routes of Administration
- Adverse Effects
- Contraindications
- Antidotes
- Nursing Implications

Guideline for medication calculations:

IV drip calculations

Steps for calculating: 1. Find concentration

Ex: Dopamine 400 mg/250

400 ÷ 250 = 16 X 1000 = 1600 mcg/cc

2. Plug into formula:

Formulas: $\frac{\text{Dose desired X weight (kg) X 60}}{\text{Concentration}} = \text{cc/hr}$

$\frac{\text{(Concen. X cc/hr)} \div 60}{\text{Wt (kg)}} = \text{dosage desired}$

Common Doses Ordered

1. Drugs that are ordered mcg/kg/min
   - Dopamine 2 – 20 mcg/kg/min
   - Dobutamine 2 – 10 mcg/kg/min
   - Inocor 5-10 mcg/kg/min

2. Drugs that are ordered mcg/kg/min
   - NTG 10 – 400 mcg/min
   - Nipride 10 – 400 mcg/min
   - Isuprel 2 – 20 mcg/min
   - Levophed 8 – 10 mcg/min
   - Epinephrine 1 – 8 mcg/min

3. Drugs that are ordered mg/min
   - Lidocaine 1 – 4 mg/min
   - Pronestyl 1 – 4 mg/min

4. Drugs that are ordered U/hr
   - Heparin
   - Insulin

Examples:

1. Dobutamine 500 mg/ 250 cc D5W
   Patient weight = 80 kg
   Ordered: 5 mcg/kg/min _____ cc/hr

2. Heparin 25,000 U/500 NS
   Rate at 1000 U/hr _____ cc/hr

3. Cardizem 125 mg/100 cc NS (total vol. 125 cc)
   Rate at 12 cc/hr _____ mg/hr

4. Infuse 1 liter of Normal Saline over 12 hours, how many mL's per hour?
   _____mL/hr

5. Order for Haldol 1 mg IM. On hand, Haldol 5 mg/mL.
   Administer _____ cc.

Self test answers:

1. 12 cc/hr

2. 20 cc/hr

3. 12 mg/hr

4. 83.3 mL/hr

5. 0.2 cc