

Rockdale Medical Center

CDU Study Guide

Review of Advanced Cardiac Life Support protocols are recommended as part of the preparation for the CDU Test.

1. Be familiar with the following drug uses, administration and dosages:

Adenosine	Amiodarone
Aspirin	Atropine
Cardizem	Digoxin
Digoxin	Dobutamine
Epinephrine	Heparin
Insulin	Lidocaine
Lovenox	Mannitol
Morphine	Nitroglycerin (IV, sL)
Oxygen	Plavix
Pronestyl	Remicaid
Vasopressin	Versed

2. Interpretation of rhythm strips:

Asystole	First-degree AV block
Ventricular Tachycardia	Second-degree Heart Block
Ventricular Fibrillation	Second-degree AV block, Type I
Idioventricular	Second-degree AV block, Type II
SR	Complete Heart Block
SVT/Atrial Tach	Junctional escape
Atrial Fib	

3. Review signs and symptoms of:

Vessel Hematoma	Pneumothorax
Blood Transfusion Reaction	Pulmonary embolus
Pulmonary Edema	Shock
Cardiac tamponade	

4. Drugs used for:

Hypertension	Symptomatic bradycardia
Ventricular Fibrillation	Pain in an acute MI
Hypotension	

5. Cardioversion – indications/adverse effects.

6. IV drip calculations

Steps for calculating: 1. Find concentration

Ex: Dopamine 400 mg/250

$$400 \div 250 = 16 \times 1000 = 1600 \text{ mcg/cc}$$

2. Plug into formula:

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

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

Common Doses Ordered: 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

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

Drugs that are ordered mg/min

- Lidocaine 1 – 4 mg/min
- Pronestyl 1 – 4 mg/min

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

Self test answers:

1. 12 cc/hr
2. 20 cc/hr
3. 12 mg/hr