

Team # _____

Absent Students: _____

1- Elisha Crews Bryant needs 4 gm of magnesium sulfate. How many mL of 25 gm/50 ml should she receive?

She received 32 ml, is this a correct dose?



2- Gentamycin 50mg/kg is ordered. A Patient who is 110 lb received 5500 mg. Is this the correct dose?

3- The recommended dose of drug A is 20-40mg/kg/day, divided into 3 doses. A 100 kg patient received 4 grams/ 8 hours. Is this the correct dose?



4- A patient order was for 0.1 mg/kg/hr in a premixed continuous infusion. She was 72 kg

She received 30 mg/over 4 hr. Does this fall within the correct dose range?

5- A 33 old female was admitted to the hospital for shortness of breath and rash following ingestion of nuts. She was found to have throat edema but normal temperature and blood pressure. The patient was placed on supplemental oxygen and a 0.5 mg (1:1000) of epinephrine was ordered. Following IV infusion of the medication, the patient felt chest pains. She was given 2 doses of sublingual nitroglycerin, then her heart rate and blood pressure declined towards normal. Where is the mistake?

Table1: Epinephrine Doses Based on Indication^{4,5}

Indication	Dose	Administration
Anaphylaxis	0.3-0.5 mg of 1:1,000 concentration	Intramuscular (IM)
Anaphylactic shock	0.1 mg of 1:10,000 concentration	Slow intravenous (IV) over 5 minutes
Myocardial infarction	1 mg of 1:10,000 concentration	IV push

6- Baby Alyssa was prescribed 330 micrograms of zinc. How many ml of the vial below should Alyssa (a premature baby) receive? If a mistake in entering the order happened and the pharmacist entered 330 mg instead, how many vials would have been used to fill the order? Do you think this is a preventable error? What do you think happened to Alyssa after receiving the wrong dose as IV?

