

Discussion Question

Week 7 DQ 1

Due Week 7 Day 2 - Due Tuesday (November 1)

What are some of the advantages and disadvantages of using parenteral or injectable forms of medication compared to oral dosage forms? What additional considerations must you keep in mind when dispensing medication?

The advantages of parenteral drugs are that they give relief right away. The bad thing about this route of administration is if the dose is wrong it could cause many problems and even death. The advantage of this route of administration is that it could be given to a person that is unable to take medication orally. The advantage of taking medication orally is for those that are afraid of needles they don't have to take it this way they can just swallow the pill. When dispensing medication one must be careful to make sure that the patient can take the prescribed medication and that the correct dose is given. There are many complications that can arise from medication being given incorrectly, impairments and even death.

Response 2

When comparing the advantages and disadvantages of parenteral forms of medication to oral dosage forms, the advantage would be how quick reacting the medication is in order to help the patient. I think that the parenteral is the best way to for a patient to receive life saving medications or to relief serve pains. Now there are many medication that patients can use parenteral medications which is distributed though intravenous, intramuscular, subcutaneous, intradermal, epidural, subarachnoid space, and intra-articular. On the other hand the disadvantage would be that it would really harm the patients organs or even be life threaten if the medication is measured incorrectly. I think that I would be very nervous when filling a parenteral form of medication due to it being very critical for me to it right. But I think it would be interesting and different than the basic forms of medication that I would be seeing every day.

Discussion Question

Week 7 DQ 2

Due Week 7 Day 4 - Due Thursday (November 3)

As a pharmacy technician, how would you determine the most suitable equipment to use in the administration of injectable medication? Provide examples.

As a pharmacy technician the type of syringe I would use to administer an injectable medication would be dependent upon the type of medication. There is the hyperdermic syringe which is marked with two scales the minim and the millimeter. The millimeter scale is most commonly used and when getting ready to inject the medication one must make sure that they release some medication before they inject it. Then there is the insulin syringe and this is used to administer insulin. The tuberculin syringe is narrow and in tenths and hundredths up to one mL. The best way to determine how medication is know what type of medication and type of syringe to use.

Response 2

As a pharmacy technician, I would determine the most suitable equipment to use in the administration of injectable medication by determining the medication being administered. For instance; insulin syringes have a calibrated scale that is specially designed for insulin. Tuberculin syringes are narrow and have two calibrated scales, one on each side, this syringe can be useful for administering other drugs, particularly when small or precise measurement is indicated (e.g., pediatric dosages). Large-Capacity syringes are useful in adding medications to IV solutions or for irrigating wounds, but not usually used to administer drugs. Prefilled syringes are ready to administer med's, and are to be used only once, for those who may be allergic to bee's for instance, they would use an Epi-pen for immediate relief. And, safety syringes help to prevent accidental needlestick injuries to the administrator, which is useful when dealing with a patient that may have a contagious disease.

Source: Moini, J. (2007). *Pharmaceutical calculations for pharmacy technicians: A worktext*. Clifton Park, NY: Thomson.

