➤ Are there any physician's orders that you would question and if so, why? (Hmmm.....think about this....and yes, you should have something to list here)

Chest tube to cavity for pneumothorax - needs to be to suction

D5 ¼NS pt w/closed head injury - D5 can increase ICP

➤ Calculate Jimmy's weight in kilograms _22.7_ kg

100/10kg
50/10kg

➤ Calculate maintenance fluid requirements for this patient (show your calculations) _64.5_ mL/hr.

$$100/10 \text{ kg} = 1,000$$
$$50/10 \text{ kg} = 500 \qquad 1554/24$$
$$20/2.7 \text{ kg} = 54$$

➤ What amount should you set the "volume to be infused" on the IV pump? (Remember, this is a safety measure...if you don't know how to calculate this, look back at the Assessment and Intervention of the Child lecture presentation) _170_ mL

$$85 \times 2$$

➤ Calculate minimal urine output for this patient (show your calculations) _11.35_ mL/hr.

$$0.5 \text{ml}/22.7 \text{ kg/hr}$$

   o Is the urine output appropriate for the last 24 hours?   (Yes) No

$$\text{last 12 was } \frac{272}{12} \quad 22.7 \text{ ml/hr}$$

➤ Jimmy has an order for Ceftriaxone 575 mg IVPB every 12 hrs. **The pharmacist has mixed the dose that is due now in 25mL Sodium Chloride 0.9%.** (You will need to use a drug reference when completing the following information.)

   o What is the therapeutic range for this medication per the drug reference?

$$25-37.5 \text{ mg/kg/hr} \quad \text{or } 2g$$

- Calculate the therapeutic range for this medication for the BID dose ordered (show your calculations).

$$25mg/22.7kg \quad 567.5$$
$$37.5mg/22.7kg \quad 851.3$$

$$567.5 - 851.3 \, mg/12hr$$

- Is the dose ordered within your calculated therapeutic range?

yes it is

○ What is the recommended concentration per the drug reference?

$$10-40 mg/mL$$

- Calculate the concentration of the prescribed medication (look above to see how much fluid the pharmacist sent this medication in and show your calculations).

- Is the prescribed dose within the recommended concentration range?

$$\frac{575mg}{25mL} \quad \frac{25}{25} \quad \frac{23mg}{1mL} \quad yes \, it \, is$$