Practice Problem Set #10

Heparin is a blood thinner commonly dosed at 70 – 100 units/kg bolus, followed by an infusion of 15-25 units/kg/hr.
The lower end of the dosing range is used for patients with DVT (deep vein thrombosis: blood clots in the legs) and
the higher end is used for patients with PE (pulmonary embolism: blood clots in the lungs).

that the nurse will use to adn	ninister the bolus dos	se is available in a con-	room and diagnosed with DVT. centration of 1,000 units/ml. Calc v up and inject for bolus adminis	culate how
ml				
2. Heparin comes premixed the nurse will need to progra ml/hr		25,000 units in 500ml	of NS. Determine the flow rate in	ı ml/hr that
Depending upon how the number follows:			rawn at 6 hours after the infusion te, the dose for heparin will be ac	
1.0 – 1.2 x baseline		increase infusion by 3		
1.2 – 1.3 x baseline		increase infusion by 2		
1.3 – 1.5 x baseline	No bolus; increase infusion by 1 unit/kg/hr			
1.5 – 2.0 x baseline	No bolus; no change in infusion rate			
2.0 – 2.5 x baseline	Decrease infusion by 1 unit/kg/hr			
2.5 – 3.5 x baseline	Stop infusion for	1 hr, then decrease rate	by 3 units/kg/hr	
3. The patient's baseline aPT outline what should happen in the patient should receive a	now:	•	n, her aPTT had risen to 42 secon	nds. Please
and the infusion rate should	be increased to	ml/hr.		
	e: peak 8.4 – 16.7 µľ	Mol/L and trough < 4.4	t the target peak range and trough μ Mol/L. The US units are μ g/m $V = 468$).	
peak range:	μg/ml	trough: <	μg/ml	
bags were being shipped to, at an acceptable level. The ty refrigerator/freezer with Fah	a combination of gel wo temperature level renheit settings, wha	packs were used to ke s of gel packs were –8 t should the setting for	urnal article. Depending on wha ep the temperature in the shippin C and 2°C. If these were kept in the freezer and the refrigerator b	g container a standard
The refrigerator should be se	et at:°F, and	d the freezer at:	°F	

6. The newest way to determine if a person is overweig using the following equation: weight in kg (height in m) ² Under new guidelines, a patient with a BMI of 25 – 29. is considered obese. Please calculate the BMI for a 190	9 is considered overweight,	and a patient with a BMI of ≥ 30			
BMI:; this patient is (circle 1): healthy	overweight	obese			
7. A 53-pound child is to receive acetaminophen with codeine for pain post-operatively. The recommended dosing range is 0.5 mg/kg or 15 mg/m² po q4-6h prn pain. The product you have contains 12mg of codeine in each 5ml of syrup. Please write out the directions you will place on the prescription label. Please round to the nearest half-teaspoonful.					
Take teaspoonfuls every 4-6 hours as needed for pain.					
8. Piperacillin/tazobactam is an antibiotic given to patie recommended dosage for a patient with good kidney fu recommendations are given for patients with decreased	nction is 3.375g IV q6h. The				
Creatinine clearance (ml/min)	Recommended	dosage regimen			
> 40 – 90	3.375g				
20 – 40		IV q6h			
< 20	2.25g l				
determine a suitable dose for her g IV qh					
Use the following information for questions 9 and 10: A patient has been receiving prednisone 40mg daily for a month. The physician now wants to slowly taper the patient down to 5mg daily. Today, November 19, the patient is presenting you with the following prescription: prednisone 30mg x 3 days, 20mg x 3 days, 15mg x 3 days, 10mg x 3 days, then 5mg po qd thereafter					
9. You carry prednisone 1mg, 5mg, 10mg, and 20mg tablets in your pharmacy. All of these tablets are scored, so it is possible to cut them in half (but avoid if possible). You may only dispense one strength. What strength will you use and what directions will you type on the label? (assume that the patient will start the first dose tomorrow morning)					
Prednisone mg tablets. You will type on the label:					
Take tablet(s) on 11/20, 21 & 22; then take tablet(s) on 11/23, 24, & 25;					
then tablet(s) on 11/26, 27, & 28; then tablet(s) on 11/29, 30, & 12/1;					
then tablet(s) daily thereafter.					
10. How many tablets will you dispense so that the pat tomorrow? tablets	ient has enough to last exact	tly 30 days from her start date of			