Review Session Material for Final

General Hemostasis Α. 1. Know phases of hemostasis and the order in which they occur 2. Know definitions - coagulation, hemostasis, etc. 3. Vascular system diagnosing a vascular problem (petechiae and purpura) a. b. what see clinically 4. primary hemostasis vs. secondary hemostasis platelets B. general information 1. zones and ultrastructure 2. different receptors, platelet factors 3. distinguish adhesion and aggregation; process of plug formation 4 know aggregation monophasic/biphasic primary wave/secondary wave - what each means b. patterns in various disorders C. 5. aspirin tests 6. PFA a. Ristocetin cofactor b Platelet aggregation -otherdisorders - vWD, BS, Glanzmann's, ITP, TTP, HIT 7. causes/defect how diagnosed/what results look like - aggregation patterns, if applicable Fibrin Formation/Fibrinolysis nomenclature + families - Fibringen, prothrombin, contact C. 1. know cascade - both in vivo and in vitro 2. know fibrin formation \rightarrow fibrinogen to soluble fibrin monomer, etc. 3. degradation of fibrinogen and fibrin 4. how heparin and coumadin work disorders of bleeding - how and when diagnosed; what lab results look like Naturally Occurring Inhibitors/Regulators D. know these, plus some characteristics of each Ε. Lab Testing know various tests, principles, what you are measuring, what used for 1. 2. INR/ISI Factor assay 3. primary dilution is what we report calculation of % activity based on dilution b. interp of dilution results which tests have standard curves; directly or indirectly proportional know NR for PT, PTT, fibrinogen, TT, D-Dimer 5. PT=11.8-14.55

PTT = 23.4-36.25

Fibringen = 200-400 mg ldL

Namer = 1-200 ng Iml

11/18/13 - ws 11/18/2013 7:41 AM

- 6. know about heparin monitoring
- F. Thrombotic disorders
 - 1. How common are they?
 - 2. What do we see?
 - 3. Names and characteristics of inherited ones
 - LA know lab testing and results
 - 5. LA theory \rightarrow how works in vivo and in vitro \rightarrow what we see
 - Drugs for therapy, plus how unfractionated and LMW heparin work
 - 7. Relate the hemostatic process to the progression of heart disease; various at-risk markers; prevalence and prevention of heart disease
- G. DIC
 - 1. Triggers
 - What lab results we would expect to see
- H. Given various lab results, distinguish deficiencies, inhibitors, type of inhibitors
- Specimen for coag testing anticoagulant, anticoagulant/blood ratio, other aspects of the sample
- J. QC definitions, understanding, interpreting QC runs

>plasma must be platelet poor (210K)

- -if you don't have platelet poor plasma, PF3 could be present
- -When thoused, PF3 could neutrolize LA cousing a fabe regative
- If PF4 was present, heparin would be neutralized causing a falsely low heparin