Histology

- 1- True about blood-thymus barrier antigens that cross is cause immunological tolerance
- 2- Wrong about lymph nodes a heel diabetic ulcer primarily causes enlargement of the vertical group of the superficial inguinal lymph nodes
- 3- Wrong about neutrophilia exercise causes neutrophilia that persists for days
- 4- Wrong about granulopoiesis peripheral blood count of neutrophils is an absolute measure of their total count
- 5- Wrong about second exposure to pathogen in the lymph node B-memory cells are the first cells to react
- 6- Wrong combination chronic renal failure iron deficiency anemia (mostly)
- 7- Wrong about the spleen like HEC of the lymph node, marginal sinuses only allow lymphocytes to go to the spleen
- 8- Wrong about WBCs eosinophils are more phagocytic and bactericidal than neutrophils
- 9- Wrong about WBCs in chronic meylogenous leukemia you see high blood count of meyloblasts
- 10- Wrong about lymphocytes naïve B-cells recirculate tot the sites of inflammation Physiology
- 11- Wrong about a 40-year old woman with: 110 g/L Hb, 3x10^12/L RBCs and a mean cell diameter of 8.2 microns Most likely is IDA
- 12- Wrong about eosinophils with basophils form 10% of WBCs (maybe)
- 13- Wrong match about clotting factor XIII is for the intrinsic pathway
- 14- Least important clotting factor XII
- 15- Not activated by thrombin IX
- 16- Wrong about von Wilibrand disease VIII:C is normal
- 17- Wrong about electrolytes participate in the fluid movement between tissues and capillaries (mostly)
- 18- Wrong about lymph fluids filtered are usually less than reabsorbed
- 19- Knowing Hb and cell count you can find the MCH
- 20- A tissue that has no lymphatic capillaries CNS
- 21- Wrong about Iron is mostly absorbed in the jejunum (maybe)
- 22- Wrong about B12 its deficiency mostly affects WBCs
- 23- True about Hb its saturation curve is independent of Hb concentration
- 24- Wrong about albumin transports CO2

Pathology

- 25- Wrong about PNH splenomegaly
- 26- No low reticulocyte chronic blood loss
- 27- Similar mode of inheritance to HBH disease sickle cell trait
- 28- Doesn't worsen sickle cell disease malarial infection
- 29- Not a color change in anemia green
- 30- Wrong combination hereditary spherocytosis-mutation of horizontal membrane proteins Microbiology

- 31- Doesn't cause sepsis polysaccharides
- 32- Wrong about P. falciparum only has shizogony in the erythrocytes
- 33- Wrong about P. malariae relapse Biochemistry
- 34- A patient with chronic moderate anemia with high 2.3-BPG and low ATP pyruvate kinase deficiency
- 35- Wrong about hemeproteins Mb has lower p50 than HbA but higher than HbF
- 36- Lead poisoning affects an enzyme of heme synthesis that might be producing porphobilinogen
- 37- Wrong about bilirubin produced for heme by heme oxygenase system
- 38- Doesn't cause a hemoglobin pathy increasing the tendency of iron to stay in the ferrous form
- 39- Doesn't happen in the RBC heme synthesis
- 40- Wrong about iron transferrin is for serum transport and storage of iron
- 41- True about Hb β 4 Hb has more sigmoidal saturation curve and thus more p50 (maybe)
- 42- Wrong about Mb and Hb both are affected by 2.3-BPG
- 43- Wrong about G6PD deficiency GSH is normally maintained in the reduced form by GSH-peroxidase
- 44- True about R and T forms of Hb R releases protons
- 45- Wrong about the structure of heme iron is coplanar with the heme in Hb in the deoxy form