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Paper Name: WBCs and platelets disorder

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Q:1 Write a note on Hodgkin lymphoma?

Ans: Hodgkin lymphoma is a type of lymphoma disease. Lymphoma is a type of cancer of the part of immunity system called the lymphoma system. The first sign of Hodgkin lymphoma disease is often an enlarged lymph node. The disease can spread nearby lymph nodes later it may spread to the lungs, liver, and bone marrow.

Hodgkin lymphoma is a type of cancer starts in the White blood called lymphocytes. Lymphocytes is the part of WBCs in immunity system.

Q:2 What is hemostasis, also explain steps and clotting factors?

Ans:2 Hemostasis mean clotting of the blood, hemostasis facilitates a series of enzymatic activation that lead to the formation of clot with platelets fibrin polymer this clot seals the injured area control and prevent further bleeding while the tissues regeneration take place.

The mechanism of hemostasis is done basically by four stages

- Construction of the blood vessels
- Formation of the temporary platelets plug
- Activation of the coagulation Cascade
- Formation of the fibrin and clot final

Q:3 Explain hemophilia it's types, symptoms and lab diagnose?

Ans:3 Hemophilia is usually inherited bleeding disorder in which the blood does not clot properly this can lead to spontaneous bleeding as well as bleeding following injuries and surgeries blood contain many protein called clotting factors which helps in blood clotting.

- Hemophilia A has three stages

Mild, Moderate and sever depending on type eight protein clotting protein on the blood mild Hemophilia is 6-49 Moderate Percent 1-5 Percent and sever is less than one percent people with hemophilia A longer than others

Symptoms of Hemophilia and lab diagnose

- Pain , swelling , irritability, uncontrollable bleeding
- Joints pain , blood in stool , bleeding from nose and in female from vagina

Lab diagnose test such as PT, APTT, D.Diamer,Cbc,and PT INT.

Q:4 Describe von wille brand disease?

Ans:4 Von wille brand disease is life long disease of WBCs in which your blood does not clot well people with the disease low level of von wille brand factor which is a type of protein clot the blood properly .

Von wille brand factor deficiency is the mean where Von wille types of protein is in less amount and von wille disease also have three types VWD in number 1,2'and 3 type 2 has several subunits.

Q:5 Explain hemolytic uremic syndrome and its types?

Ans:5 Hemolytic uremic syndrome is a type is small capillaries in the kidney become damage or inflamed this damage cause clot to form in the vessels. The clot cause clog filtering in the kidney and due to kidney failed and it's life threatening. Types of Hemolytic syndrome are deferent and cause by bacteria such as E.coli , Shigela , salmonella. Shigela toxic produce E.coli phenomena associated Hemolytic uremic syndrome.