


May 1, 2019

- 1) Blood Disorders
- 2) Blood Assignment

Reminder Quiz on Monday on Blood and Blood Groups!!!

Warm- Up

It is estimated that in 2017,  Canadians will die from leukemia.

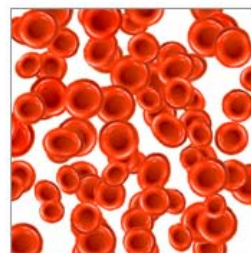
Blood Disorders

Anemia:

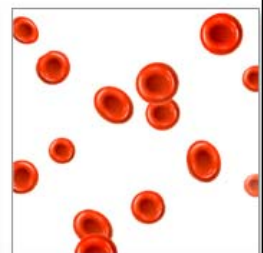
🌐 -the most common blood disorder

Problem:- blood is not able to carry enough oxygen to the body.

Normal amount of red blood cells



Anemic amount of red blood cells



Symptoms- if you have anemia you will be unable to tolerate cold temperatures, be tired and pale

ADA

Causes:

- too few red blood cells
- not enough iron in the red blood cells (not eating enough iron containing foods)
- inadequate production of red blood cells

Treatment

- vitamin B-12
- eating foods rich in iron (liver, lean meat, leafy green veggies)

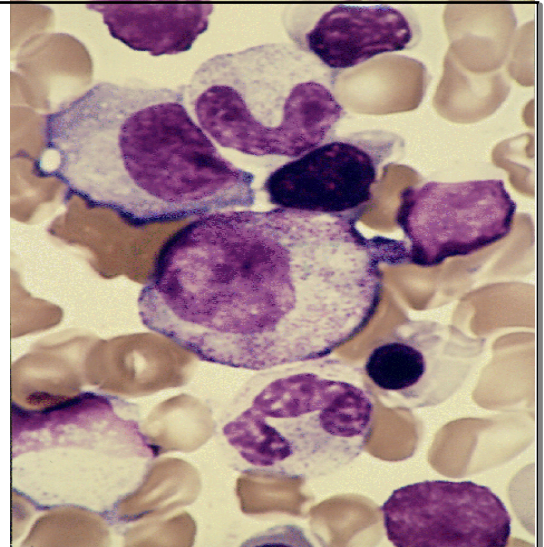
Leukemia

Cancer of the blood

Problem

- the body produces many abnormal immature white blood cells
- due to the immaturity the white blood cells cannot fight infection

Symptoms



Causes

- exposure to radiation or chemicals
- anemia
- internal bleeding
- many infections

Treatment:

- drugs
- radiation treatment
- chemotherapy
- bone marrow transplants

Clotting Disorders

Hemophilia - a rare hereditary bleeding disorder, that prevents your blood from clotting. Any injury can cause excess bruising and serious abnormal bleeding. There can also be spontaneous internal bleeding.



Von Willebrand disease - another rare hereditary clotting disorder involving a shortage of von Willebrand factor (a component in plasma).



Thrombocytopenia - the most common clotting disorder, caused by a deficient number of circulating platelets.