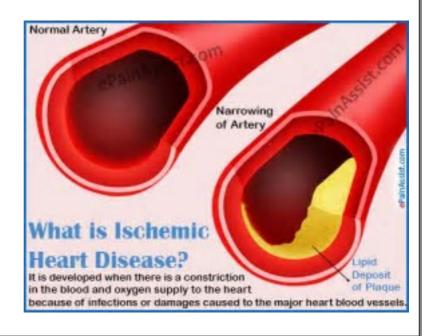
Nov 18, 2019

1) Circulatory System Problems

Test Week after next on Circulatory System!!!

Warm-Up

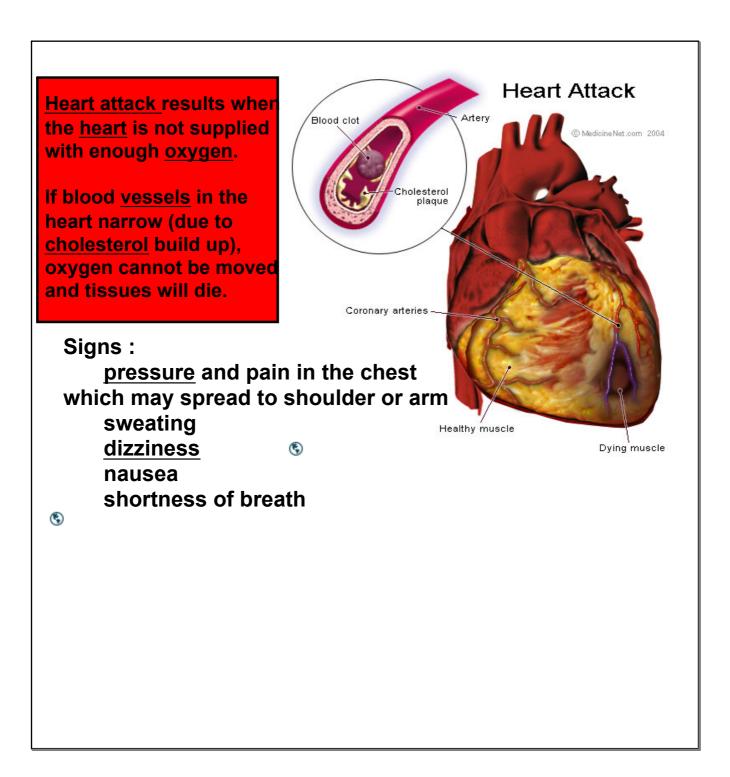
About million Canadians aged 20 years and older live with ischemic heart disease.



Circulatory System Problems

Blood needs to flow <u>properly</u> through our arteries and <u>veins</u> to our heart, lungs and body. <u>Plaque</u> in an artery or vein can restrict the flow of blood causing <u>problems</u>. <u>Diseases</u> of the heart and blood vessels are very common and are called <u>cardiovascular</u> diseases (CVD).

Heart Disease or CVD is the most common cause of death in industrialized countries. It incudes inflammatory process, rhythm abnormalities, congenital defects, valve malfunctions, coronary artery disease, and heart failure.



Heart Inflammation

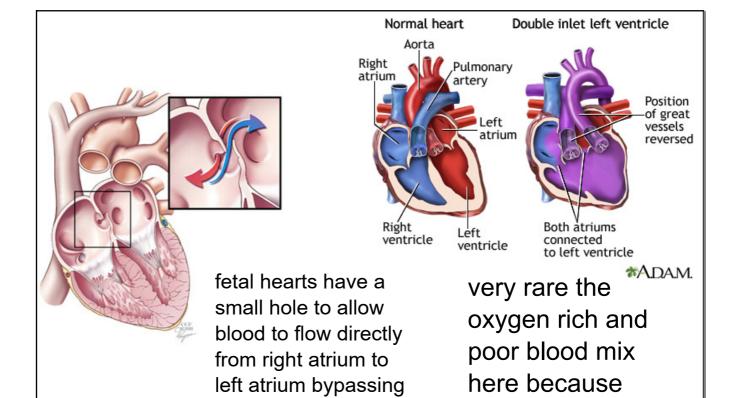
Any of the three layers of the heart can become inflamed or enlarged and have specific names based on which layer is enlarged. The inflammation is often caused by infection. Therefore treatment includes removing the infection and once the infection is removed the inflammation disappears.

Abnormalities of Heart Rhythm

A problem anywhere within the hearts conduction system can cause an abnormal heartbeat known as an arrhythemia. This can be corrected using a defibrillator, which generates a strong electric current to keep the heartbeat normal.

Congenital Heart Disease

- Heart diseases present at birth usually caused by defects during fetal development.
- There can be a variety of defects with valves, aorta etc not developing properly we won't go into all the possibilities.



there is no right

patients often

have surgery to

have the blood

flow via gravity

to the lungs

ventricle,

the lungs (which arnt

used until they exit

sometimes this hole

the birth canal)

doesn't close