

Группа: 304Ск

Специальность: Сестринское дело

Дата: 03.11.2020

Тема: Blood transfusion

Цель: Развитие навыков поискового чтения

Задание лекции: ознакомиться с текстом, перевести (можно устно)

Домашнее задание: ответить на вопросы под текстом (с опорой на текст)

## BLOOD TRANSFUSION

A blood transfusion is a safe, common procedure in which you receive blood through an intravenous (IV) line inserted into one of your blood vessels. Blood transfusions are used to replace blood lost during surgery or a serious injury. A transfusion also might be done if your body can't make blood properly because of an illness. During a blood transfusion, a small needle is used to insert an IV line into one of your blood vessels. Through this line, you receive healthy blood. The procedure usually takes 1 to 4 hours, depending on how much blood you need.

Blood transfusions are very common. Each year, almost 5 million Americans need a blood transfusion. Most blood transfusions go well. Mild complications can occur. Very rarely, serious problems develop.

### **Important Information About Blood**

The heart pumps blood through a network of arteries and veins in the body. Blood has many vital jobs. For example, it carries oxygen and other nutrients to your body's organs and tissues. Having a healthy supply of blood is important for your overall health. Blood is made up of various parts, including red blood cells, white blood cells, platelets (PLATE-lets), and plasma. Blood is transfused either as whole blood (with all its parts) or, more often, as individual parts.

*Blood Types.* Every person has one of the following blood types: A, B, AB, or O. Also, every person's blood is either Rh-positive or Rh-negative. So, if you have type A blood, it's either A positive or A negative.

The blood used in a transfusion must work with your blood type. If it doesn't, antibodies (proteins) in your blood attack the new blood and make you sick.

Type O blood is safe for almost everyone. About 40 percent of the population has type O blood. People who have this blood type are called universal donors. Type O blood is used for emergencies when there's no time to test a person's blood type.

People who have type AB blood are called universal recipients. This means they can get any type of blood.

If you have Rh-positive blood, you can get Rh-positive or Rh-negative blood. But if you have Rh-negative blood, you should only get Rh-negative blood. Rh-negative blood is used for emergencies when there's no time to test a person's Rh type.

**Blood Banks.** Blood banks collect, test, and store blood. They carefully screen all donated blood for infectious agents (such as viruses) or other factors that could make you sick. (For more information, go to Blood banks also screen each blood donation to find out whether it's type A, B, AB, or O and whether it's Rh-positive or Rh-negative. You can get very sick if you receive a blood type that doesn't work with your own blood type. Thus, blood banks carefully test donated blood

- 1) How many groups of blood do exist?
- 2) How many Rh do exist? Name them
- 3) What is it – blood transfusion?
- 4) What are the causes (причины) of blood transfusion?
- 5) How many types of blood cell do people have?