



Bone Marrow Transplant

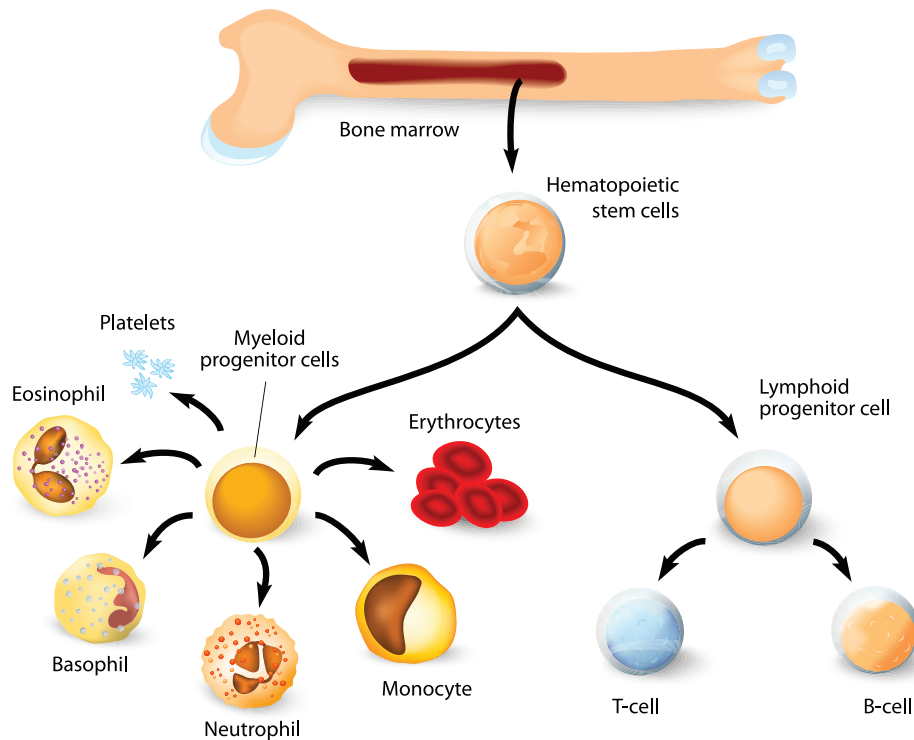
Created by The Child Life Department



Children's Mercy

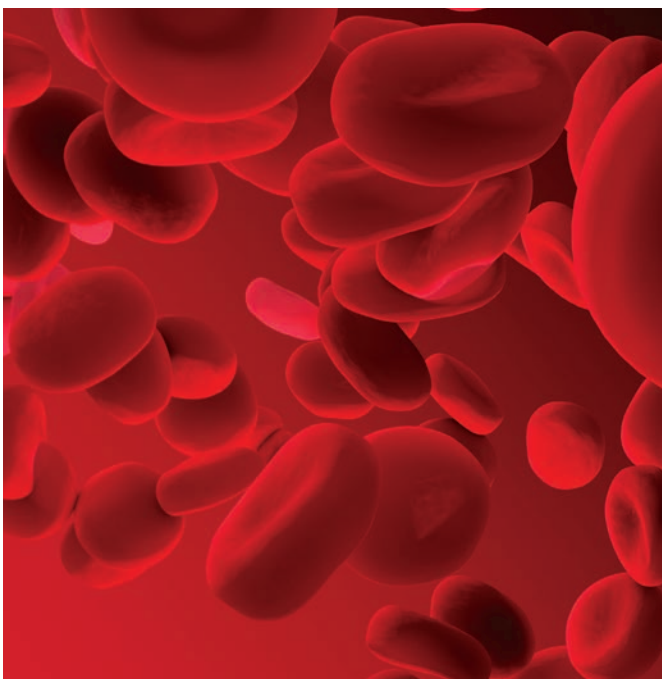
Bone Marrow

Bone Marrow is in the middle of your bones. It is red and spongy. It is like a factory. Its job is to make the cells in your blood.



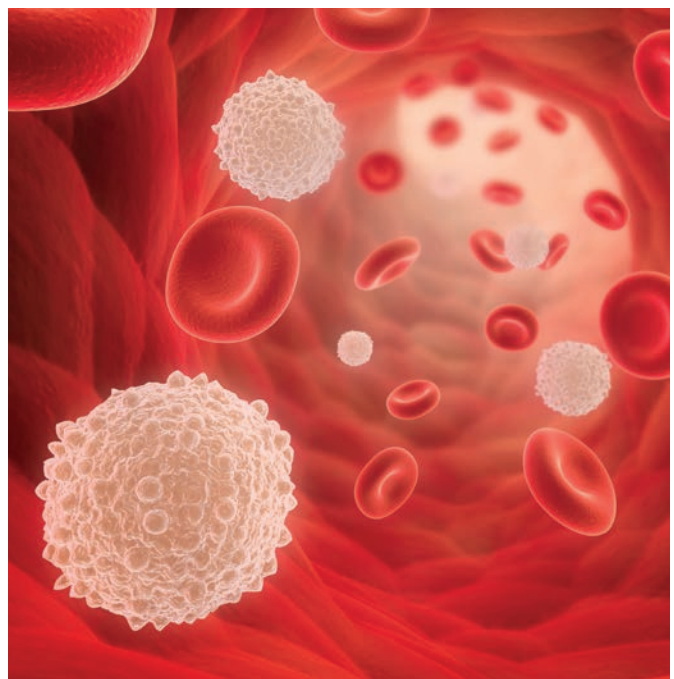
Red Blood Cells

Delivery men- deliver air (oxygen) all over your body and give you energy.



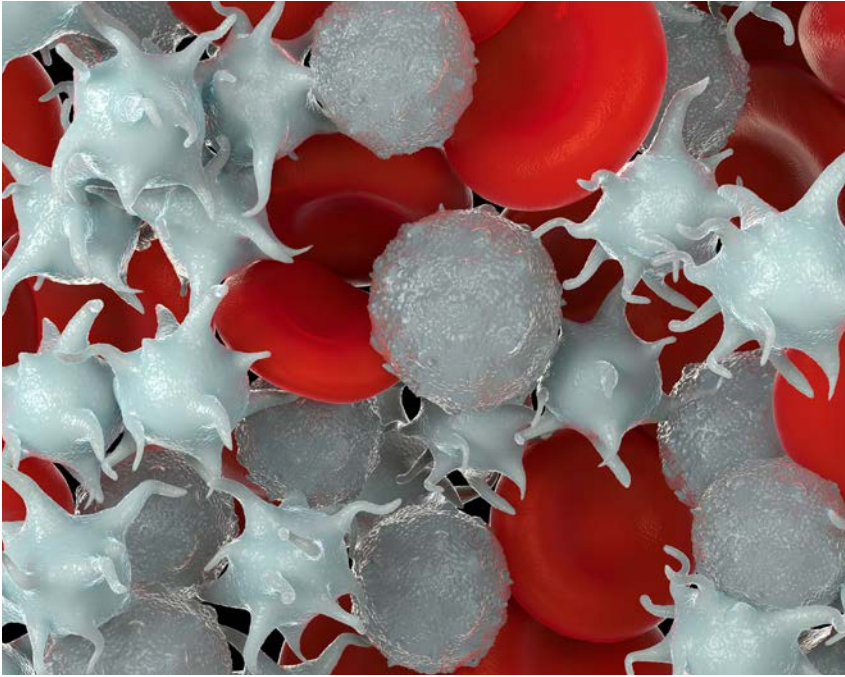
White Blood Cells

Policeman in your body to help protect you from infection (germs).



Platelets

Construction workers in your body to help build a scab to stop bleeding.



What if bone marrow is not working?

When the factory workers do not do their job correctly, healthy cells are not made. Sometimes it helps to get healthy cells from another person. These healthy cells come from a donor through a process called Bone Marrow Transplant.

Before Transplant

Before you come to transplant, the doctors want to make sure that your body is ready to receive its new cells. They will have you visit different areas of the hospital for different procedures to see how your body is doing...

EKG (Electrocardiogram)

The nurse will place special stickers, called EKG leads on your chest. These stickers allow the doctors to see and hear how your heart is beating.



Echocardiogram

This shows the doctors how your heart is working. The nurse will place small stickers on your chest and then place some slippery gel on a special "wand." This "wand" will move around on your chest and show the doctors a picture of your heart.



CT Scan

This takes pictures of your head and chest. You will lie down on the bed and the tech will place a soft seatbelt over your stomach. The bed will move slowly into the center of the camera. The camera will not touch you. It is very important for you to hold still while the camera takes your picture.



Pulmonary Functioning Test (Breathing Test)

This test will help the doctors see how your lungs are breathing. You will put a nose clip on your nose while you breathe into a white tube. The respiratory therapist will ask you to take a deep breath and blow the air out for many seconds. This might take a couple of practices but you can do it!



Dentist Check- Up

The dentist will make sure your teeth and gums are healthy. This helps prevent infection during your transplant.



Central Line

You will need a permanent central line for your transplant. Most kids get a central line, called a Hickman Catheter. This will allow the doctors and nurses to give you chemotherapy, medications and your new bone marrow.



Getting you New Bone Marrow

Getting your bone marrow is just like getting a blood transfusion. Your nurse and doctors will make sure you feel well the whole time. Your job is to sit back and relax! You may even want to sleep during your transplant!



BMT Unit

During your transplant, you will be on 4Hall. There is a special set of doors to help keep germs out, and all visitors must wash their hands before they come see you.



Your Room

Everyday your room will need to be cleaned. While it is being cleaned, you can either play in the playroom or stay in the bathroom.



BMT Playroom

There is a special playroom in the BMT unit just for transplant patients and families. The playroom is open all the time for you to play and do crafts. You can ask your Child Life Specialist if you have any questions about the playroom.



BMT Bucks

While you are in the hospital for your transplant, you will be able to earn "BMT Bucks." You and your Child Life Specialist will make a special list of your "jobs" during transplant. Your nurses will give you bucks each day as you complete these jobs and you will be able to spend them in your own BMT store at the end of each week.

