

What Causes Sickle Cell Anemia Yahoo Answers

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What Causes Sickle Cell Anemia

Sickle cell anemia can lead to a host of complications, including: Stroke. Sickle cells can block blood flow to an area of your brain. Signs of stroke include seizures, weakness or... Acute chest syndrome. A lung infection or sickle cells blocking blood vessels in your lungs can cause this... ...

Sickle cell anemia - Symptoms and causes - Mayo Clinic

Sickle Cell Disease Symptoms. Anemia . Sickle cells are more fragile than normal red blood cells and tend to die in 10-20 days. Normal cells live for about 120 days. This ... Pain crises. These bouts of pain are a major symptom of sickle cell disease. Sickle-shaped red blood cells block blood flow ...

Sickle Cell Disease (Sickle Cell Anemia) - Causes & Types

What causes sickle cell disease? The cause of SCD is a defective gene, called a sickle cell gene. People with the disease are born with two sickle cell genes, one from each parent. If you are born with one sickle cell gene, it's called sickle cell trait. People with sickle cell trait are generally healthy, but they can pass the defective gene on to their children.

Sickle Cell Disease | Sickle Cell Anemia | MedlinePlus

Sickle cell anemia, or sickle cell disease (SCD), is a genetic disease of the red blood cells (RBCs). Normally, RBCs are shaped like discs, which gives them the flexibility to travel through even...

Sickle Cell Anemia: Types, Symptoms, and Treatment

This most common type of anemia is caused by a shortage of iron in your body. Your bone marrow needs iron to make hemoglobin. Without adequate iron, your body can't produce enough hemoglobin for red blood cells. Without iron supplementation, this type of anemia occurs in many pregnant women.

Anemia - Symptoms and causes - Mayo Clinic

A genetic disease. Sickle cell anemia results from a mutation in a gene called HBB, which contains the blueprint for cells to make part of a protein called hemoglobin . The hemoglobin protein is made up of two alpha chains and two beta chains.

Causes of Sickle Cell Disease - Sickle Cell Disease News

Anemia. This is the most common symptom of all the sickle cell anemia. In sickle cell disease, red blood cells are produced but then become deformed into the sickle shape, which causes red blood cells to lose their ability to carry oxygen.

Chronic Disease | Sickle Cell Anemia Symptoms | Beaumont ...

Sickle cell disease can be diagnosed in an unborn baby by sampling some of the fluid surrounding the baby in the mother's womb (amniotic fluid). If you or your partner has sickle cell anemia or the sickle cell trait, ask your doctor about this screening. Treatment

Sickle cell anemia - Diagnosis and treatment - Mayo Clinic

The gene that causes sickle cell anemia evolved in places like sub-Saharan Africa because it protects people from malaria. There, millions have the disease, and it's estimated more than 50 percent ...

Sickle cell anemia: Could gene therapy cure sickle cell ...

Sickle cell anemia (sickle cell disease) is a blood disease that shortens life expectancy. It is caused by an inherited abnormal hemoglobin that decreases life expectancy. Symptoms of sickle cell anemia include bacterial infections, arthritis, leg ulcers, fatigue, and lung and heart injury.

21 Sickle Cell Anemia Symptoms, Genetics, Treatment, Life ...

Doctors Explain the Causes and Signs of Sickle Cell Anemia. Health. Most people are familiar with anemia, a condition that affects the red blood cells responsible for transporting oxygen throughout your body. At some point in your life, maybe you received a diagnosis of a standard form of anemia caused by a lack of iron in your blood.

Doctors Explain the Causes and Signs of Sickle Cell Anemia

To diagnose iron deficiency anemia, your doctor may run tests to look for: Red blood cell size and color. With iron deficiency anemia, red blood cells are smaller and paler in color than normal. Hematocrit. This is the percentage of your blood volume made up by red blood cells.

Iron deficiency anemia - Diagnosis and treatment - Mayo Clinic

Sickle cell disease (SCD) is a condition that mostly affects black people, although, to a lesser extent, it is also seen in the eastern Mediterranean and Middle East populations. This disease is genetic, which means people inherit it from their parents. In the United States, approximately eight of every one hundred black Americans carry

Are you feeling tired and in pain? - Sickle Cell Anemia ...

Deaths. 114,800 (2015) Sickle cell disease (SCD) is a group of blood disorders typically inherited from a person's parents. The most common type is known as sickle cell anaemia (SCA). It results in an abnormality in the oxygen-carrying protein haemoglobin found in red blood cells.

Sickle cell disease - Wikipedia

Some adolescents and adults with sickle cell anemia also have chronic pain, which can result from bone and joint damage, ulcers, and other causes. Swelling of hands and feet. The swelling is caused by sickle-shaped red blood cells blocking blood flow to the hands and feet.

What Do You Know About Sickle Cell Anemia?

Mutations in the HBB gene cause sickle cell disease. The HBB gene provides instructions for making one part of hemoglobin. Hemoglobin consists of four protein subunits, typically, two subunits called alpha-globin and two subunits called beta-globin. The HBB gene provides instructions for making beta-globin.

Sickle cell disease - Genetics Home Reference - NIH

It happens when sickle-shaped red blood cells (RBCs) block blood vessels. Blood and oxygen cannot get to your tissues, causing pain. A sickle cell crisis can also damage your tissues and cause organ failure, such liver or kidney failure. A sickle cell crisis can become life-threatening.

Sickle Cell Crisis - What You Need to Know

In people with sickle cell anemia, hemoglobin – a substance in red blood cells – becomes defective and causes the red blood cells to change shape. The faulty hemoglobin is called hemoglobin S (HgbS), and it replaces normal hemoglobin which is called hemoglobin A (HgbA).