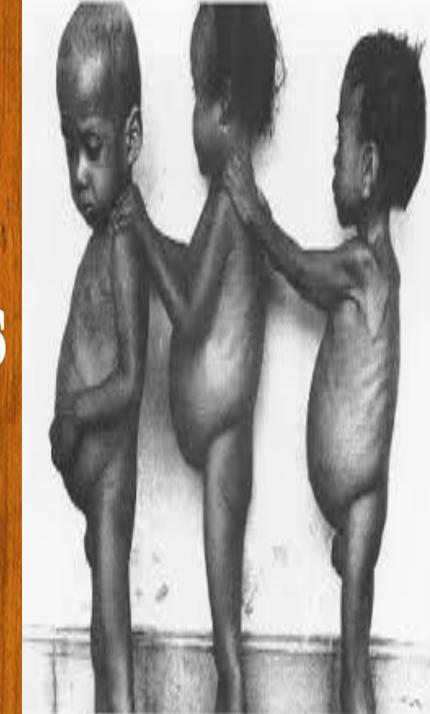
Diseases Caused By

Nutritional Deficiencies

Kwashiorkor



Definition:



Kwashiorkor is a disease caused by the lack of protein in a child's diet.

Kwashiorkor is a type of protein energy malnutrition (PEM)

Kwashiorkor is most common in countries where there is a limited supply or lack of food. It is mostly found in children and infants in tropical or subtropical areas such as (Africa, Asia, and South America)

Symptoms



The symptoms of kwashiorkor include:

Change in skin and hair color and texture

Fatigue

Diarrhea

Loss of muscle mass

Failure to grow or gain weight

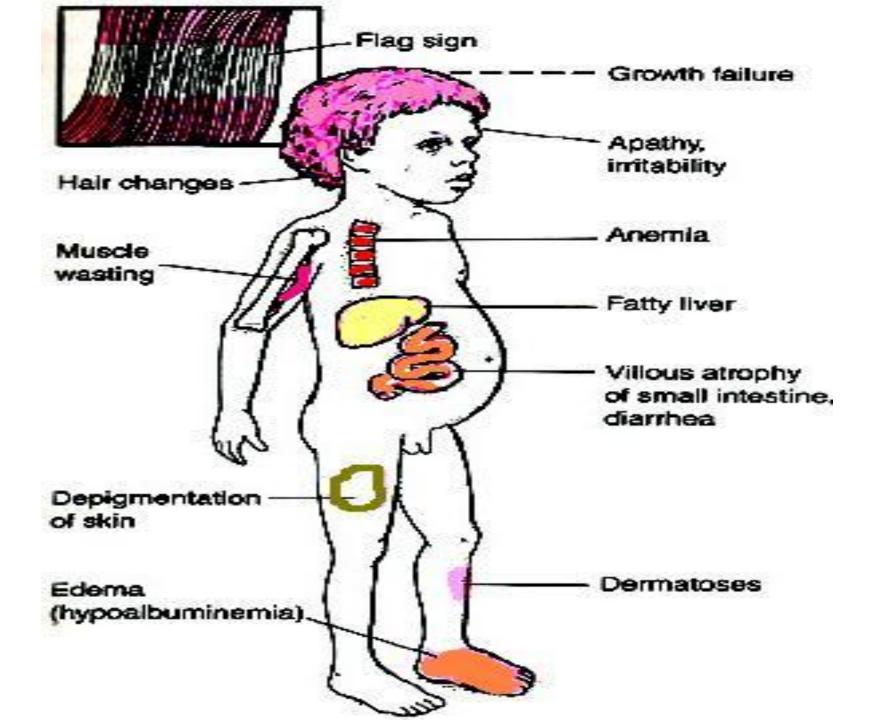
Edema (swelling) of ankles, feet, and belly

Damaged immune system, which can lead to more frequent and severe infections

Irritability

Rash (dermatitis)

Shock (late stage)



Cause & Effect

Cause Effect Edema Poor Enlarged Nutrition liver Protein Deficiency Loss of teeth

What Are the Complications of Kwashiorkor?



Even with treatment, children who have had kwashiorkor may never reach their full growth and height potential. If treatment comes too late, a child may have permanent physical and mental disabilities.

If left untreated, the condition can lead to coma, shock, or death.

How Is Kwashiorkor Treated?



Kwashiorkor can be corrected by eating more protein and more calories overall, especially if treatment is started early.

However, children who have had this condition will never reach their full potential for height and growth.

Treatment depend on the severity of the condition.

People who are in shock need immediate treatment to restore blood volume and maintain blood pressure.

Normal

Kwashiorkor

