Libyan International Medical University

Faculty of Pharmacy

premature aging syndrome

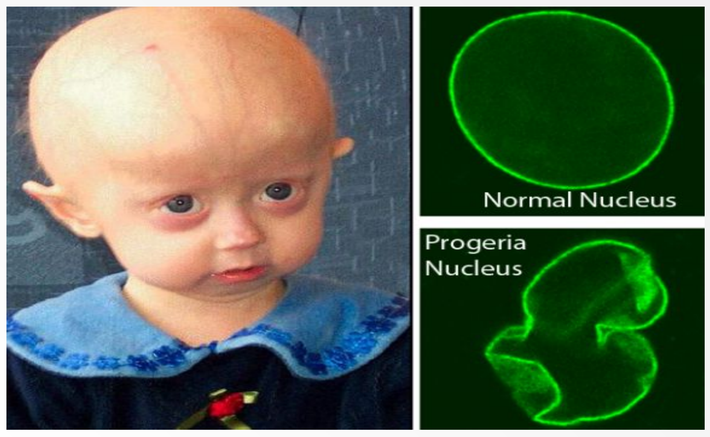
Asmaa porawy 4832 Enas wanes 2911 Ghaida abdelaziz4941 Reem Mohammed 4506

Introduction

Progeria also known as Hutchinson-Gilford progeria syndrome HGPS, is an extremely rare, progressive genetic disorder. It causes children to age rapidly, starting in their first two years of life

Causes

A change in one gene causes premature aging. This gene, known as Lamin A (LMNA), makes the protein necessary to keep the center of the cell stable. When a change occurs in LMNA, it produces a defective protein called Progerin, which makes the cell unstable and leads to premature aging.



SYMPTOMS

- Slowed growth and poor weight gain
- Below -average height and weight.
- Lack of fat beneath the skin.

Health issues

1. Heart and blood vessel disease
2. Skin hardening and tightening
3. Delay in tooth growth
4. Partial hearing loss
5. Lack of fat and muscle mass
6. Lack of significant growth in adulthood

Treatment

There are no medicines approved for the treatment of children with progeria

Risk factor

There are no known factors, such as lifestyle or environmental issues . is If you've had one child with progeria, the chances of having a second child with progeria are slightly higher than the general population but are still low.

Summary

Progeria causes aging in children
Its symptoms occur in the
first two years of their live
they also develop health problems
there is no cure for progeria

Reference

1. https://www.ema.europa.eu/en/news/first-treatment-children-progeria-or-progeroid-syndromes-rare-premature-aging-syndromes
2. https://www.mayoclinic.org/diseases-conditions/progeria/symptoms-causes/syc-20356038#:~:text=Progeria%20(pro%2DJEER%2De,first%20two%20years%20of%20life