

Abstract

Clin Sci (Lond). 2011 May;120(10):427-40.

Healthy aging and disease: role for telomere biology?

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BACKGROUND: Aging is a biological process that affects most cells, organisms and species. Human aging is associated with increased susceptibility to a variety of chronic diseases, including cardiovascular disease, Type 2 diabetes, neurological diseases and cancer.

SUMMARY: Despite the remarkable progress made during the last two decades, our understanding of the biology of aging remains incomplete. Telomere biology has recently emerged as an important player in the aging and disease process.

PMID: 21271986

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