

# Abstract

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## Telomeres and telomerase in renal health.

Wills LP, Schnellmann RG.

Department of Pharmaceutical Sciences, 280 Calhoun Street, Charleston, SC 29425, USA.

**BACKGROUND:** The role of telomeres and telomerase in human biology has been studied since the early 1990s because telomere attrition is implicated in various diseases including cardiovascular dysfunction, carcinogenesis, and the progression of acute kidney injury. Telomeric length is a reliable indicator of intrinsic biologic age and a surrogate for the mitotic clock.

**CONCLUSION:** Because the prevalence of chronic kidney disease increases with age, telomere length and telomerase activity may play a role in its progression.

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