

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

Search PubMed

for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

Display

Abstract

Show 20

Sort by

Send to

[About Entrez](#)[Text Version](#)[Entrez PubMed](#)[Overview](#)  
[Help | FAQ](#)  
[Tutorials](#)[New/Noteworthy](#)   
[E-Utilities](#)[PubMed Services](#)[Journals Database](#)  
[MeSH Database](#)  
[Single Citation Matcher](#)  
[Batch Citation Matcher](#)  
[Clinical Queries](#)  
[Special Queries](#)  
[LinkOut](#)  
[My NCBI](#)[Related Resources](#)[Order Documents](#)  
[NLM Mobile](#)  
[NLM Catalog](#)  
[NLM Gateway](#)  
[TOXNET](#)  
[Consumer Health](#)  
[Clinical Alerts](#)  
[ClinicalTrials.gov](#)  
[PubMed Central](#) 1: [J Am Geriatr Soc.](#) 1997 Feb;45(2):220-2.[Related Articles, Links](#)

## Age-related changes in facial skin contours and rheology.

[Henry F.](#), [Pierard-Franchimont C.](#), [Cauwenbergh G.](#), [Pierard GE.](#)

Belgian SSTC Research Unit, University of Liege, Belgium.

**OBJECTIVES:** To evaluate the age effect on both the mechanical properties and wrinkling of facial skin. This topic has not previously been addressed in the literature. **DESIGN:** A total of 180 white women aged 18 to 67 years participated in the study. Each of the 5 decades of age was represented by 30 subjects, with the exception of menopausal women aged 48 to 57 years who were allocated to two groups of 30 according to the use or non-use of hormone replacement therapy (HRT). **SETTING:** A University medical center, Belgian SSTC Research Unit 5596. **MEASUREMENTS:** Mechanical properties of the skin were measured on the face using a computerized suction device. Skin contours were assessed using optical profilometry and computerized image analysis. **RESULTS:** Skin aging of the face is characterized by a progressive increase in extensibility associated with a decreased elasticity. The loss of tonicity is accompanied by a progressive deepening of facial creases. HRT appears to limit the age-related rheological changes without showing a preventive effect on wrinkling of facial skin. **CONCLUSION:** Aging of facial skin resembles, in some ways, the features previously reported on sun-protected areas of the forearms. HRT has a beneficial effect that may slow the overall process of aging without, however, limiting the number and depth of wrinkles.

PMID: 9033524 [PubMed - indexed for MEDLINE]

Display Abstract

Show 20

Sort by

Send to

[Write to the Help Desk](#)[NCBI](#) | [NLM](#) | [NIH](#)[Department of Health & Human Services](#)[Privacy Statement](#) | [Freedom of Information Act](#) | [Disclaimer](#)