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[PubMed Central](#) 1: [Int J Gynaecol Obstet.](#) 2000 Jan;68(1):35-41.[Related Articles, Links](#)**The effects of systemic hormonal replacement therapy on the skin of postmenopausal women.**[Sauerbronn AV](#), [Fonseca AM](#), [Bagnoli VR](#), [Saldiva PH](#), [Pinotti JA](#).

Department of Obstetric and Gynecology, Hospital das Clinicas of University of Sao Paulo Medical School, Brazil. qb02834@zaz.com.br

**OBJECTIVE:** The aim of this study was to determine the effects of hormonal replacement therapy on the skin of postmenopausal women. **METHOD:** Forty-one postmenopausal women were randomly allocated to receive either hormonal replacement (valerate estradiol--2 mg/day for 21 days and cyproterone acetate--1 mg/day for 10 days) or placebo, both in a cyclic scheme for 6 months. Neither patients nor investigators were aware of the group allocation. Histologic changes were evaluated by skin biopsy of the left upper arm at baseline and after 6 months of treatment, utilizing computerized image analysis to assess the ratio area of epidermis/basement membrane length (AE/BML), ratio area of keratin/basement membrane length (AK/BML) and collagen and elastic fibers content. **RESULT:** Collagen content of the left upper arm increased after 6 months of treatment only in the hormonal group (+6.49%;  $P < 0.05$ ). Other parameters did not present any significant alteration after treatment in both groups. **CONCLUSION:** Hormonal replacement for climacterics increases skin collagen content.

Publication Types:

- [Clinical Trial](#)
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