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**Does hormonal skin aging exist? A study of the influence of different hormone therapy regimens on the skin of postmenopausal women using non-invasive measurement techniques.**[Callens A](#), [Vaillant L](#), [Lecomte P](#), [Berson M](#), [Gall Y](#), [Lorette G](#).

Department of Dermatology, Trousseau Hospital, Tours, France.

**BACKGROUND AND DESIGN:** The skin properties of 98 postmenopausal women with hormone replacement therapy (oestradiol gel or patches) or without hormone replacement therapy were studied using non-invasive techniques: skin thickness with skin echography, skin hydration with a dryness score and measurement of capacitance, skin surface lipids with a Sebumeter and microtopography with image analysis of cutaneous replicas.

**RESULTS:** In this open study we demonstrated an increase in skin thickness and sebum in the treated group in comparison to the untreated group (7-15% according to area for skin thickness, 35% for sebum). Hydration and microtopography were not different in the two groups. **CONCLUSIONS:** Postmenopausal women who were receiving hormonal substitution have a greater thickness and casual level than untreated women. We therefore suggest that hormonal aging exists and that cutaneous atrophy can be prevented with hormone replacement therapy.

Publication Types:

- [Clinical Trial](#)

PMID: 8993951 [PubMed - indexed for MEDLINE]

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