

〈シンポジウム〉

## γ-オリザノールの皮膚局所作用 — 皮脂腺賦活作用、抗酸化作用について

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### The Effect of Topical Triterpineol Ester with Ferulic Acid (FAE) on Sebaceous Glands

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#### Abstract

The effect of topical FAE on sebaceous glands was examined by biochemical analysis and histological methods.

With half side method in healthy human volunteers, the skin surface lipids on forearm of 1% FAE cream side were increased significantly compared with placebo side after one month simple application.

By histochemical and histological studies in rat, hypertrophy and cell proliferation of sebaceous glands were recognized in FAE applied side, but not in placebo side.

Topical use of 1% FAE was shown to be useful in the patients with ichthyosis vulgaris and xerosis artificialis.

Lipid peroxidation in UV irradiated linolic acid was suppressed with 1% FAE. FAE is a new substance which has sebotropic effect by topical application.