

Zanthoxylum piperitum extract inhibits androgen activity

Research on the relationship between citrus fruits and male pattern baldness~ Presented at the 64th Annual Meeting of the Japanese society of pharmacognosy.

Genuinely Your Own Hair Reve21 (Headquarters: Chuo-ku, Osaka; President and CEO: Katsumasa Okamura; hereinafter referred to as Reve21) presented " Zanthoxylum piperitum extract inhibits androgen activity " at the 64th Annual Meeting of the Japanese Society of Pharmacognosy, to be held in Chiba Prefecture on September 9-10, 2017.

【Summary】

Citrus fruits are consumed all over the world, including Europe, the United States, and Asia, and are widely used not only as food but also in cosmetics.

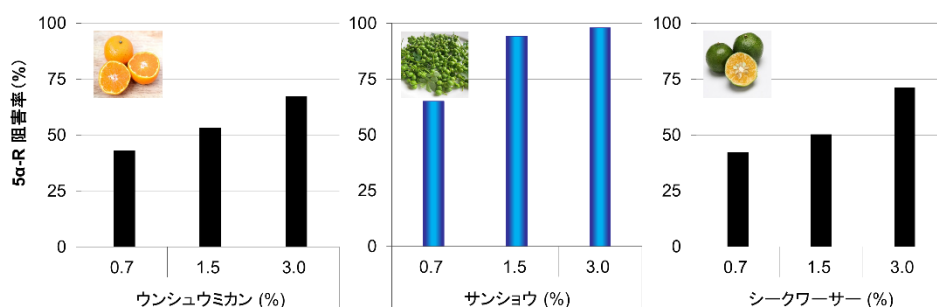
Although much research has been done into the physiological activity of citrus fruits and their main components, the detailed relationship between citrus fruits and hair growth still remains unclear.

Therefore, as a part of its hair growth research, Reve21 investigated various citrus fruits including the inhibitory effect of androgenic activity that cause hair loss in men.

【Figure】 Inhibitory effect on 5α-reductase activity (compared to other citrus fruits)

5α-リダクターゼ阻害試験

和名	学術名	抽出部位	試験判定	IC ₅₀ 値 (%)
ウンシュウミカン	<i>Citrus Unshiu</i>	果皮	○	1.3
オレンジ	<i>Citrus sinensis</i>	果実	—	N.D.
グレープフルーツ	<i>Citrus × Paradise</i>	果実	—	N.D.
サンショウ	<i>Zanthoxylum Piperitum</i>	果皮	○	0.4
シークワサー	<i>Citrus Depressa</i>	果皮	○	1.4
タチバナ	<i>Citrus Tachibana</i>	果皮	△	N.D.
マンダリン	<i>Citrus Reticulate</i>	果皮	△	5.6
ユズ	<i>Citrus Junos</i>	果実	—	N.D.
レモン	<i>Citrus Limon</i>	果実	△	3.9



【Company Profile】

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Established: November 1993

Capital: 40,000,000 JPYen

Main services: Hair growth treatment services, manufacturing and sales of medical equipment

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