

September 8, 2017

Yuzu activates hair papilla cells

~Presented at the 64th Annual Meeting of the Japanese Society of Biopharmaceutics.

(Head Office: Chuo-ku, Osaka; President: Katsumasa Okamura; hereinafter referred to as "REVE21") will present "Hair Papilla Cell Activation Action of Citrus Yuzu Extract" at the 64th Annual Meeting of the Japanese Society of Pharmacognosy, to be held in Chiba Prefecture on September 9-10, 2017.

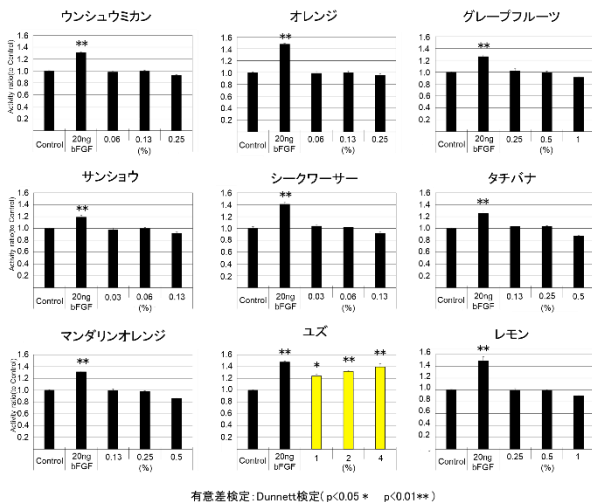
Summary of the announcement

Citrus is a familiar fruit plant, and while much research has been conducted to investigate its bioactive effects and search for active ingredients, the details of its hair-growing effects have yet to be clarified.

Therefore, REVE21 evaluated the effects of nine citrus fruits on hair papilla cells. As a result, we found that yuzu extract activates hair papilla cells. In addition, we confirmed an increase in the expression of KGF, a factor that promotes hair growth, and we believe that yuzu can be expected to have a hair-growth effect through the activation of hair papilla cells.

REVE21 will continue to research natural and natural ingredients and apply them to create better products .

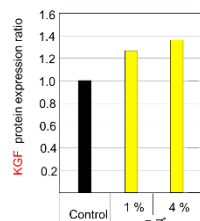
① 細胞増殖試験



➡ ユズ抽出物は毛乳頭細胞の増殖を促進させた

和名	学術名	部位
ウンシュウミカン	<i>Citrus unshiu</i>	果皮
オレンジ	<i>Citrus sinensis</i>	果実
グレープフルーツ	<i>Citrus X paradisei</i>	果実
サンショウ	<i>Zanthoxylum piperitu</i>	果皮
シークワーサー	<i>Citrus depressa</i>	果皮
タチバナ	<i>Citrus tachibana</i>	果皮
マンダリンオレンジ	<i>Citrus reticulate</i>	果皮
ユズ	<i>Citrus junos</i>	果実
レモン	<i>Citrus limon</i>	果実

② タンパク質発現解析



ユズ抽出物により
KGFの発現量がタンパク質レベルで上昇した

【Company Profile】 Company name: Hair Clinic Reve-21 Co.,Ltd.

President and Representative Director: Katsumasa Okamura

Website: <https://www.reve21.com>

Head Office: 22F Twin 21 MID Tower, 2-1-61 Shiromi, Chuo-ku, Osaka-shi, Osaka

Establishment: November 1993, Capital: 40,000,000 JPYen

Main services: Hair regrowth treatment services, manufacture and sales of medical devices

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