

<速報>

オトギリ草エキスの育毛効果

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Hair Growth Promoting Effect of the Extract from *Hypericum Perforatum*

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Abstract

To investigate whether the extract from *Hypericum perforatum* (HE) promote hair growth *in vivo*, we examined the effects of HE on hair regrowth in C3H strain mice. HE showed promoting effects on the hair growth in this system. HE significantly increased the length and DNA synthesis of hair follicles *in vitro* organ culture using rat vibrissal hair follicles, suggesting that HE acts on hair follicle directly. Testing of efficacy of HE on human male pattern baldness, tonic containing 1% of HE was applied to balding areas of scalp every day for a year, and the ratio of follicles in telogen and number of fallen hair was measured. HE showed to decrease slightly the percentage of telogen follicle and drastically the number of fallen hair. These results suggested that HE enhances the hair growth in male pattern baldness and could be used as hair growth promoter.

Key words: The extract from *Hypericum perforatum*, Hair growth promoter, Rat vibrissa follicle, Ratio of telogen follicle, Male pattern baldness