
Subject: Minox mit Effekt auf den Testosteron-Metabolismus?

Posted by [ParkerLewis](#) on Fri, 22 Feb 2008 19:03:24 GMT

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Keine Ahnung, ob die Studie jemandem hier schon bekannt ist. Finde ich allerdings ganz interessant...

Minoxidil increases 17 beta-hydroxysteroid dehydrogenase and 5 alpha-reductase activity of cultured human dermal papilla cells from balding scalp.

Sato T, Tadokoro T, Sonoda T, Asada Y, Itami S, Takayasu S. Department of Dermatology, Oita Medical University, Japan.

Minoxidil is known to induce hair growth in male pattern baldness, for which development androgen plays a central role. We studied the effect of minoxidil on testosterone metabolism by cultured dermal papilla cells from balding or nonbalding scalp and dermal fibroblasts. In all three groups, 17beta-hydroxysteroid dehydrogenase activity was much higher than 5alpha-reductase activity. Minoxidil increased 17beta-hydroxysteroid dehydrogenase activity by nearly 40% ($P < 0.001$) in dermal papilla cells of balding scalp, whereas the effect was less marked in dermal papilla cells from nonbalding scalp and dermal fibroblasts. 5alpha-Reductase activity was also slightly increased by minoxidil in dermal papilla cells from balding scalp. Again, the effect on 5alpha-reductase activity was insignificant in the other two groups of cells. Whether such modification of testosterone metabolism in dermal papilla cells of balding scalp by minoxidil is related to its therapeutic effect remains unknown.
