

「総説」

毛根の酵素活性について、とくに Glucose-6-phosphate dihydrogenase について

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Enzyme Activity of Hair Follicles – Especially with Regard to Glucose-6-phosphate Dihydrogenase (G6pDHase)

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Abstract

By measuring G6pDHase of hair follicles of common baldness and alopecia areta, following results was obtained.

- 1) Up to the sixty year old, occipito-temporal scalp hair of healthy man's G6pDHase are not correlated with aging.
- 2) Hair loss of froutoparietal scalp of common baldness is more intensive as the activity of G6pDHase of growing hair follicles is decreased. Also due to the progressed aging, scalp hairs of occipito-temporal region will fallout even a minute decrease of G-6pDHase.
- 3) Regarding the male pattern common baldness, as ratio of normal anagen is lower, ie, as the fallout is more intensive, the activity of G-6pDHase is also decreased.
- 4) Regarding the alopecia areata, as the loss of hair is more intensive, G6pDHase activity of growing hair around the alopecia areata is also decreased. This indicates the possibility of close relation with regard to the formation of the telogen hair.