



HAIR DISORDERS

HAIR DENSITY AND THICKNESS IN A TELOGEN EFFLUVIUM IN WOMEN WITH AUTOIMMUNE THYROIDITIS AND WITHOUT IT

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Introduction: Chronic telogen effluvium is diagnosed in middle-aged women. There is a frequent association of telogen effluvium (TE) with autoimmune thyroiditis (AT).

Objective: was to study density and hair thickness in a TE in women with AT and without AT.

Material and Methods: The study followed 62 women (the average 31.7 ± 10.2). Group 1 included 23 females with TE and AT; group 2 - 25 patients with TE, without AT; group 3 - 13 patients without TE, without AT. The device with magnifying lenses of x100 and x400 was used for trichoscopy of hair. The density and hair thickness were measured on the parietal, temporal and occipital regions. Results are presented as median and its interquartile range in the form of 25% and 75% of percentiles - Me (25%, 75%).

Results: The density of hair in the parietal region in groups 1, 2 and 3 was 180(149;196), 168(158;194), 180(170;211) hair/cm², respectively. The density of hair in the temporal region - 118(72;149), 124(98;144), 165(139;180) hair/cm², respectively. The density of hair in the occipital region - 175(154;198), 168(127;180), 180(160;201) hair/cm², respectively. The density of the hair is lower in patients of groups 1 and 2 than in patients of the 3rd group in the temporal region ($p=0,031$, $p=0,034$, respectively).

The thickness of hair in patients 1, 2 and 3 groups in the parietal region was 52(48;56), 57(47; 65), 56(51;70) μm ; in the temporal region - 50(39;55), 49(42;55), 61(54;68) μm ; in the occipital region - 50(44;56), 50(42;54), 63(53;68) μm , respectively. Hair thickness is lower in patients of groups 1 and 2 than in patients of the 3rd group in the temporal and occipital regions ($p=0,013$, $p=0,003$; $p=0,014$, $p=0,003$ respectively).

Conclusions: There was not found statistically significant difference of hair density and thickness between in women with autoimmune thyroiditis and without it.

