

ACNE, ROSACEA, AND RELATED DISORDERS (INCLUDING HIDRADENITIS SUPPURATIVA)

RELATION OF SKIN PHOTOTYPES AND DEMODEX MITES

Alexey Kubanov⁽¹⁾ - Yulia Gallyamova⁽¹⁾ - Anzhela Kravchenko⁽¹⁾

Russian Medical Academy Of Continuous Professional Education, Department Of Dermatovenereology And Cosmetology, Moscow⁽¹⁾

Introduction: Rosacea, often accompanied by Demodex mites and affects individuals with fair skin, light, red hair, mainly inhabitants of northern regions. In this case, in dark-skinned people, rosacea is much less common.

Objective: Establish the relationship between the skin phototype and the seeding of Demodex mites.

Materials and methods: The study included 90 people who were divided into three equal groups (30 people each): rosacea patients with Demodex mites, without Demodex mites and healthy volunteers. The type of skin was determined using the Fitzpatrick classification.

Results: All participants had the first, second and third types. The first type of skin in all three groups was established in an equal number of respondents (1.1%). The majority of patients with rosacea included in groups I and II had a second phototype (25.6% and 27.8%). The third phototype among patients was found in 6.7% in group I and 4.4% in group II. In the third group, the second phototype was recorded in 17.8% of subjects, the third phototype - in 14.4%.

Conclusion: The almost complete absence of the first (Celtic) skin type is explained by the geographical location of the territory in which the study is being conducted. The statistically significant prevalence of rosacea patients I and II groups with a second skin phototype (25.6% and 27.8%, respectively) are probably due to the fact that the second skin phototype predisposes to rosacea ($p \leq 0.05$). The least predisposed to the development of rosacea are people with a third phototype. The prevalence of the third type of skin in healthy volunteers is statistically significantly higher than in groups with rosacea patients ($p \leq 0.05$). These data suggest that the third skin phototype is less inclined not only to the appearance of rosacea but also to the manifestation of the pathogenicity of Demodex mites.