



PIGMENTATION

MELASMA - EFFICACY ASSESSMENT OF A NEW RESORCINOL BASED TOPICAL FORMULATION D

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Introduction: The pathogenesis of melasma is complex and involves various risk factors such as genetic predisposition, UV exposure, darker phototype and hormonal influence. Melasma is one of the most common pigmentary disorders characterized by symmetrical pigmented macules on the face. It is also very common aesthetic disorder and refractory for the most of the treatments.

Objectives: Because of it's chronic and relapsing course, as well as the fact that despite numerous treatment modalities available, the treatment still remains a challenge.

Materials and Methods: The study included 30 female volunteers of 25 to 45 years of age, diagnosed with melasma. The volunteers were either treatment naive or had not used any treatment modality for melasma for at least 6 months. The volunteers were given a cream based on resorcinol derivative (4-n- butylresorcinol) during 30 days period. The efficacy of the treatment was measured by the device for face image analysis before and after 30 days of the treatment.

Results: 27 out of 30 subjects reported satisfaction with the results. 2 out of 30 patients reported moderate satisfaction, while 1 patient reported that she is not satisfied. Aside from the significant reduction in hyperpigmentation, they reported improved skin quality and texture.

Conclusion: The investigated resorcinol derivative-based cream has shown the fastest onset of action (as measured by first reported improvements after 7-10 days) among all currently available topical preparations. Unlike other available topical preparations, this cream can be used throughout the year. In the majority of cases, its effectiveness is better, and the results are seen faster than with fractional laser. Aside from its main purpose-the reduction in hyperpigmentation, it has shown a strong rejuvenation effect. This promising product may be a revolution both in the treatment of melasma and in skin rejuvenation.

