



PIGMENTATION

ANALYSIS OF THE EFFECT OF DIFFERENT DOSES OF ORAL TRANEXAMIC ACID IN TREATING MELASMA: A MULTICENTER PROSPECTIVE STUDY

Chenyu Zhu⁽¹⁾ - Qiuning Sun⁽²⁾

*Peking Union Medical College Hospital, Department Of Dermatology, Beijing, China⁽¹⁾ -
Peking Union Medical College Hospital, Peking Union Medical College Hospital, Beijing,
China⁽²⁾*

Objective: To analyze the therapeutic effect of different doses of oral tranexamic acid (TA) in treating melasma.

Methods: Patients with severe melasma were randomized to receive TA at a daily dose of 500 mg, 750 mg, 1000 mg, or 1500 mg. Clinical photos and VISIA photos of the patients were taken at baseline, 4 weeks, 8 weeks, 6 months, 1 year, and 2 years. The melasma area and severity index (MASI) and the melanin index were measured. Blood routine and coagulation functions were examined at each time point. The photos were divided into five levels: apparent improvement, slight improvement, unchanged, and deterioration.

Results: Clinical photos showed that all the four doses of TA were effective in treating melasma, and the efficacy were correlated with treatment time and dosage. However, there were no significant differences in the MASI or the melanin index between the four doses. The treatment was generally safe for most patients. The side effects included mild upset stomach and decreased menstruation.

Conclusion: Oral TA was safe and effective in treating melasma. The patient satisfaction was high, and most patients could withstand long-term treatment.

