



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

ANALYSIS OF CLINICAL EFFECT OF LOCAL INJECTION OF AUTOLOGOUS PLATELET RICH PLASMA (PRP) IN THE TREATMENT OF ORBITAL STATIC WRINKLES

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Introduction: Static orbital wrinkles have been the focus of research on the anti-aging of the face.

Objective: The clinical efficacy and safety of local injection of autologous platelet rich plasma (PRP) in the treatment of orbital static wrinkles were observed.

Methods: 20 women aged 30 to 50 with static wrinkles were included. After centrifugal preparation of PRP by centrifugal extraction of 8ml blood, unilateral orbital periorbital fillings were selected for treatment by random scale. Each interval of 4 weeks is treated and three times in total. The images of bilateral periorbital wrinkles and skin detector were administrated in 2 weeks, 1,3 and 6 monthes after injection. After 6 months, the data of the experimental side and control side were analyzed.

Results: After 3 months of treatment, the length (4.3 +/-0.6 vs. 2.9+/-0.5), depth (0.3+/-0.03 vs. 0.15 +/-0.02) and width (0.4 +/-0.06 vs. 0.21+/-0.07) of the static orbital wrinkles in 20 patients were significantly decreased compared with the control group ($P<0.01$). In addition, the Visia detection results also observed that the skin texture, pores and color spots of the patients were improved. Redness and local congestion were observed in 28% of the patients after treatment, but all disappeared within 1-3 days without any adverse reactions such as postoperative infection and foreign body granuloma.

Conclusion: Local injection of PRP for the treatment of orbital static wrinkles has a good clinical effect with little trauma, high safety, and significant effect of wrinkle removal as well as improvement of skin quality.

