

Platelet-rich plasma (PRP) contains autologous growth factors, which could act synergistically with growth factors induced by skin needling in order to enhance the wound-healing response. The combination of treatments, carried out by using skin needling and PRP application, should enhance both efficacy of skin needling and PRP application. The objective of this study is to establish the effectiveness of the combined use of skin needling and PRP application in acne scarring treatment. Twelve patients affected with rolling acne scars were enrolled. Each patient underwent 2 sessions of treatments, each consisting of skin needling followed by PRP application on the right side of the face and skin needling alone on the left side of the face. Digital photographs of all patients were taken. Photographic data were analyzed by using the Sign Test ( $\alpha, .05$ ). The study showed that the scars severity grade in all patients was greatly reduced on all of the face, but the improvement was more efficient on the side treated with both skin needling and PRP. Our study showed that the combined use of skin needling and PRP is more effective than skin needling alone in improving acne scars.