

7th International Congress on Dermatology and Trichology12th World Congress on Women Health, Gynecology and Breast Cancer Research8th International Conference on Psychiatry and Psychological Disorders

February 24, 2022 | Webinar

Adding platelet rich plasma to fat grafting for facial rejuvenation**Jalal Fattah**

Hawler Medical University, Iraq

Background and Objectives: Autologous fat grafting is as a valid option for facial rejuvenation. There is no universal agreement of how one should harvest, process, or inject fat. The objectives of this study were to evaluate the effects of adding PRP to autologous fat grafting for facial rejuvenation.

Method: A total of 365 cases between April 2014 to September 2020 enrolled in this study. The lower abdomen or thigh was chosen as the donor site for fat graft harvesting under low pressure with 10 cc syringe, processed with low speed centrifugation, then injected in to the face using blunt tip 1 mm cannula (first group). In the last 176 cases (second group) the fat mixed with PRP in the ratio of 0.3 ml PRP with 0.7 ml fat. The results were evaluated clinically and photographically. Data were analyzed using the statistical package for social science SPSS V. 23.

Results: volume loss was the commonest minor complication reported in 51 cases (27%) in first group decreased to 21 cases (12%) in the second group. About 65% of the patients in the first group were highly satisfied after first fat grafting;

however, the remaining 35% of the patients were either moderately satisfied or unsatisfactory due to fat absorption, however; 87% in the second group were highly satisfied.

Conclusion: Adding PRP to fat graft has beneficial effect in term of decreasing fat absorption rate and increasing patient satisfaction.

Key words: Fat Graft, Facial Rejuvenation, PRP, Centrifugation

Speaker Biography

Jalal Fattah is an Assistant professor in Plastic surgery and head of plastic surgery unit at the college of medicine/HMU in Erbil-KRG-Iraq. He is graduated from college of medicine Salahaddin University in 1994 in Erbil and Got High Diploma in General surgery in 2002. He Got Iraqi Board in plastic and reconstructive surgery in 2008 and also Got European Board in Plastic, reconstructive, and aesthetic surgery in 2010 in Switzerland. He Works as a plastic surgeon at Rizgary teaching hospital and CMC Private Hospital in Erbil. He is also a Member of ISRAS, ASPS, ISAPS, and KSPS and Director of Erbil center of KBMS of plastic surgery. He has twelve published articles in the field of plastic surgery.

Jalal.hamasalih@hmu.edu.krd

Received: January 03, 2022, **Accepted:** January 08, 2022, **Published:** February 28, 2022