



Reconstruction of the major defects of the tissue scalp

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Abstract

Background: To provide quantitative objective data demonstrating the longevity and amount of volume augmentation in the fatty dystrophy of the facial tissue obtained with autologous lipofilling.

Methods: In our clinic had been operated 8 patients for last 2 years with fatty dystrophy of the facial tissue. A prospective analysis of all patients who underwent at our private practice and were followed up for at least 1,5 year. Surgery was performed under general anesthesia it is necessary for clear results tissue correction. We based on the literature has seen numerous clinical reports highlighting the benefits of autologous fat transfer for face from that areas, fat was collected from the abdomen (most frequently used donor site), hips, outer thighs (saddlebags), internal knee or thigh, with quantitative volume measurements evaluating the amount of postoperative volume change.

Results: Twenty eight patients were included in the study. The mean follow-up time was 18 months. The mean amount of autologous fat injected into each face region was 10-70 mL. Hypercorrection was performed after 3 months and it was 20-50% of the initial injected fat volume. Overall, the mean absolute volume augmentation measured at their last (after 6 month) post operative visit was 10-25%. There was variability between patients in the volume amount and percentage that remained. The resorption process was observed in two patients after 6 month. We made correction with hyaluronic acid and silicone implants.

Conclusion: To our knowledge, this study is the first clinical quantification in our practise of autologous fat transfer and/or grafting in the literature that provides definitive evidence on the amount as well as the resultant longevity in the face. Autologous fat transfer to the face has definite long-term volume augmentation results. On average, approximately 25-35% of the injected volume remains at 18 months. However, some variability exists in the percentage of volume that remains that may require a touch-up procedure.

Keywords

Lipofilling, fatty dystrophy ,facial tissue.

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