

New Treatment with Plasma Exeresis for Non- Surgical Blepharoplasty

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Abstract

The survey aims to highlight new noninvasive techniques on Oculoplastic focusing on the eyelid. Research and test object were 80 patients, age range 40 - 78 years, who had problems of small, medium and high degree of ptosis and problems from older surgical blepharoplasties. Common factor and 80 cases were surgical avoidance desire, due to cost and fear in the process. The method of solving the mentioned problems was the bloodless blepharoplasty using Plasma Exeresis. For the evaluation of the results through Plasma Exeresis method, set a satisfaction scale of 1 to 5 (1 = not at all satisfied - 5 = completely satisfied). All patients have described the results of treatment as 5.

Keywords: Bloodless Blepharoplasty; Plasma Exeresis; Plexr; Soft Surgery; Non-Surgical Blepharoplasty

Introduction

Year after year, the medical community is constantly faced with the requirement for patients to deal with their problems without having to undergo surgery and more economical solution. Also, most patients before entering any invasive procedure, are seeking for real and effective results. Blepharoplasty is defined as a surgery or not, that shapes the eyelid. The eyelid surgery, is also called blepharectomy because is creating a new eyelid or correcting an eyelid. There is also the non-invasive eyelid surgery which uses the Plasma Exeresis (PLEXR®) methodology without using incisions or stitches.

The traditional eyelid surgery is a highly effective method, but lacks of all the above requirements of patients. Traditional - blepharoplasty surgery requires full anesthesia, surgical rooms, sutures, incisions and long recovery periods. In cases where the patient is not satisfied with the results of eyelid surgery, after all this tedious, time-consuming and financially expensive process, it is almost impossible to think again to undergo such a procedure.

These drawbacks of classical blepharoplasty comes to surpass the process of the non - invasive blepharoplasty. Bloodless, without incisions and stitches, economically and with immediate effect. All this is possible by using Plasma Exeresis (Plexr®) method where there are great results especially in the sensitive region of the eyelids.

Methodology and Patients

The object of the study was 80 patients experiencing minor problems, medium and intense vlfarohalasis and having problems posting rehabilitation of traditional eyelid surgery. The group of 80 patients consisted of 60 women and 20 men aged 40 - 78 years. There were smoking and non-smoking and fototype (skin color) 1 to 5. From the group of women, 20 had thyroiditis Hashimoto and two of them mas-

tectomy medical record and were in the use of chemotherapy. Out of 80 people, 10 wanted improvement - correction of the eyelid surgery result. The remaining 70 faced small degree (30) medium degree (30) and large degree (10) of ptosis.

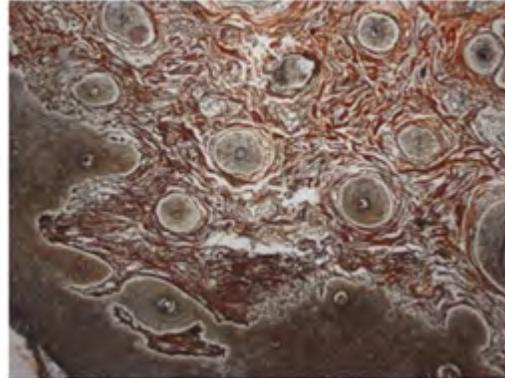
The methodology followed is the bloodless blepharoplasty with the Plasma Exeresis method. All patients asked to recommend and implement them the less painful method and the most immediate results. This was the reason why the method of Plasma Exeresis (Plexr®) selected.

All patients accepted antisepsis, and then photos were taken of their face before the treatment and profile in order to see the difference after the treatment (Figure 1). The next step was to apply the anesthetic cream (Figure 2), wait for 30 minute until the cream act so the patient won't perceive any pain while the treatment is going on. After the action of the cream, we remove it and apply the Technique first on the right eyelid and then on the left. The point where there is excess skin is sublimated. We did not enter wrinkles but areas of excess skin. For the machine to operate, it should not touch the skin as ionization gas are needed, so while the micro spots were pulled out, we leave little spaces of healthy tissue. In each session we sublimated 30% of the excess skin (Figure 1-3).

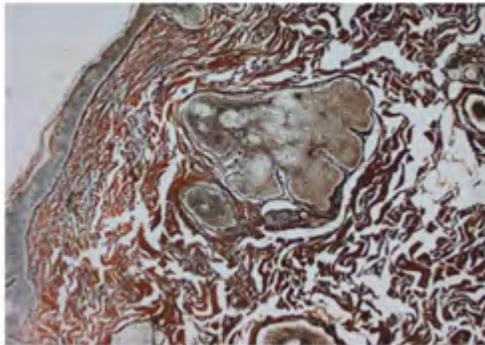
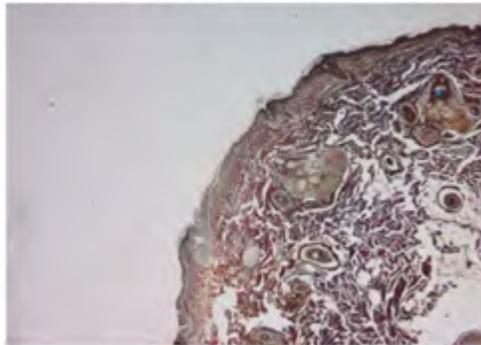


Finally, using Plasma exeresis method (PLEXR®) is effective not only because the patient avoids surgery having the same effect with less cost but also for histological reasons. Histological analyzes before and after show that in regions that was applies Plasma Exeresis, the area not only reconstructed but created and type collagen III after application.

⇒Skin (a week, later)



⇒Skin (a month later)



Results

Compared with classical blepharoplasty surgical, outcomes were excellent without sutures and incisions, ectropion and entropion, slanted eyes, lagophthalmos and other complications. The recovery takes place in a shorter period of time (7 - 15 days) and allows the patients to return to their activities even after treatment. It is important to note that in any of the 80 cases of patients, there was no complication as referred to above.

It is important to note that in 10 cases of severe ptosis (both intense covering the eyelashes) the patient had problems in the field of view (he walked with his head raised towards the rear. After the first session of bloodless eyelid surgery the patient fully recovered visual ability.

After and 7 - 15 days of recovery, we asked all patients to rate both the method and the result of their bloodless eyelid using the satisfaction scale from 1 (not at all satisfied) to 5 (absolutely delighted. It is striking how and the 80 incidents described the method and the result by five.

Discussion

The need of the physician to provide improved innovative non invasive techniques to patients with less pain and cost, but also the need of the patient for cosmetic procedures that avoided them in the past for fear of surgery. The major advantage of Plasma Exeresis is security that it provides to the patient on undesirable effects. This was proved by the results of the 80 incidents were subjected to bloodless Blepharoplasty with Plasma Exeresis patients being perfectly pleased with the result, recommend the method to other patients. The

Plasma Exeresis is the bloodless revolution in Blepharoplasty because the doctor can do as many incidents as he wishes per day in his private practice, even take it to a cooperating office or clinic, without side effects and with the best outcome for the patient [1-13].

Conclusion

Basic vantage point for cases of eyelid surgery, Plasma Exeresis is a dynamic non-invasive method that allows the operator to urge the patient at any time during the proceedings to open his eyes, highlighting aspects of skin that still need to be treated and avoiding going after gradual and controlled maneuvers that may have cost image lagofthalmos or excessive opening of the eyes. Regarding any corrective surgery the obvious advantage of Plasma Exeresis is that is also the perfect choice to avoid further suffering of the patient with correction in his private clinic in infinitesimal time. Histological studies from the University of Cheti and the University of Athens (Department of Pathology-Anatomy) also proved that the spots of Plasma Exeresis not pass the basement membrane of skin.

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