Co2 and Erbium:Yag Lasers Improves Acne Scars

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Abstract

The facelift and skin resurfacing techniques are carried out during the same surgical procedure, in order to save time and improve the patient recovery. Acne scars, photo-aging signs such as pigmentation and changes in skin color are treated with the skin resurfacing technique. Many surgeons for neck and cheeks is performed as usually have mentioned the face-lift technique. Using these two techniques, a full-face restoration is obtained with only one surgical procedure. The patient recovery is quicker and the result obtained is much better. 1064 cases were done with this procedure and minimal complications have been observed.

Introduction

To improve Acne scars we employ to different techniques, in those cases that are not need to have a face-lift the CO2 10.6 MICRONS WAVELENGTH and Erbium:Yag laser 2.94 MICRONS WAVELENGTH is employ simultaneously. For cases were skin laxity is important we start performing the acne scars restoration with the face-lift procedure and SMAS plication. Then skin resurfacing is done in one surgical stage. However, in areas where the surgical procedure was performed or the Perioral area a third step is carried out.

Skin Resurfacing carried out with the Erbium:Yag and CO2 lasers are used in the forehead, the upper and lower eyelid, the internal and external Chantals of the eyes, the nose, the cheeks, the Perioral zone and the chin. In those zones sometimes we perform one or two passes. Permitting the treatment of fine and depth acne scars, age spots and photo aging. The laser Fluence is increase or decrease depending on the acne scars deepness, sun damage, thickness, texture and skin color. In the first step, the laser is applied in the area to be treated. Once the first step is finished, we lived the burn skin in place. The second step is done decreasing or keeping the same laser energy. Sometimes on the cross-feets or the Perioral area a third step is carried out.

After finishing both sides of the face, the Blepharoplasty is performed if there is necessary. It is important to remember that all patients wear laser eye protectors to avoid eye damage[5-8].

However, in areas where the surgical procedure was performed we employ only the CO2 laser at 5 watts in one pass. The laser is normally applied in the areas describe before during the same procedure. It is important to understand that the laser should be deeper in the central part of the face and lightly in the area were the surgical procedure was performed [9-12]. With this method the redness and changes in color pigmentation disappear at the same time in both areas, taking only 2 or 3 weeks for patients with skin type 3, 4 and 5 to get the same skin texture. In cases where there is not necessary to realize a face-lift we only employ the CO2/Erbium laser combination. Once the anesthesia
was done as we describe above we employ the CO\textsubscript{2} laser in the cut mode at 2 watts. Laser energy is applied to skin defocused in order to get skin retraction in deeper scars. After that we perform the skin resurfacing with Erbium:Yag laser at different rates depending on skin tone.

When the procedure was done an occlusive bandage is used by 48 hrs helping to heal the skin more quickly. Followed by a moisturizing cream with sun block 100% in all the face during the morning EVERY 4 HOURS. At night we recommend a Vaseline cream that help to decrease the redness, dry skin and avoid hyper-pigmentation.
Conclusion

We have seen that performing these techniques, the patient results are much better. If face lifting is carried out at the same surgical time with the skin resurfacing patients recovery takes less time and discomfort. In 90 days patient skin color is in the same tone. The skin looks much younger, smooth and facial restoration is highly satisfactory. Acne scars improves with both procedures 60 to 80 percent depending on deepness. It is possible to perform different facial techniques at the same time such as fat graft, Gore-Tex implant, chin implant, endoscopic forehead, etc.
References


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