Acne Scarring

Skincare
Any treatment program begins with a good home skin care program to prevent acne and to encourage skin healing and scar remodeling.

Dermabrasion (Surgical Planning or Sanding)
Dermabrasion or surgical planning is a method of flattening and improving the appearance of the skin by carefully removing specific layers of the skin which may contain acne scars or other surface irregularities or various types of skin growths.

For years, Dermabrasion, using a diamond coated mechanical rotary instrument was the gold standard of care. However, over the last decade the use of one of several Lasers to provide a more precise instrument for controlled skin abrasion, is usually recommended.

Treatment with Downtime

Laser Resurfacing for Acne Scarring
Over more than a decade, Dr. Goldberg has used a variety of Lasers to achieve the best results for acne scar revision. There are two basic types of Lasers now used for acne scar treatment: the CO2 Laser and the Erbium:YAG Laser. The CO2 Laser, in general, is used for deeper, more severe defects while the Erbium:YAG is used for more superficial defects and in darker skin types. Most often a combination of both Lasers is utilized for optimal results. Often the Erbium:YAG Laser is first used to optimally treat the shoulders of the scars, followed by the CO2 laser for deeper effects. Blending and feathering of the edges of the treated area is then performed with the Erbium Laser.

The Lasers are used in an office-based treatment with local anesthesia and sedation, or at a local surgery center under general anesthesia. The areas to be Lased are treated and other non-affected areas may be peeled using a chemical agent to better blend treated and non-treated areas.

Some very large, angular or punched-out scars may be removed by surgical excision at a several month interval prior to or at the time of the primary procedure. Healing after the procedure depends on the depth of the treatment, but usually occurs within 7-14 days. Some persistent redness may be present for weeks to several months following the procedure.

Treatment with Minimal or No Downtime

Skin Remodeling using Infrared Lasers
At Pima Dermatology we have several additional less aggressive options for improvement of acne scars without an obvious skin wound which cause little or no downtime.

These options include the Smoothbeam Laser which has been used successfully for a number of years for improvement of both acne and acne scarring. The Smoothbeam Laser works on the oil gland and cell water such that it decreases the activity of the oil glands and creates a trigger for collagen remodeling and therefore scar improvement. Another option is the Gentle:YAG Laser which also targets cell water and can gently stimulate scar remodeling with virtually no disruption of one’s daily routine. To optimize results this Laser can be combined with the VBeam Laser, especially if the scars are relatively young and red.

Both the Smoothbeam and Gentle:YAG Laser options typically require multiple monthly treatments (often 4-6) over a number of months to obtain the best results. The big advantage with these two Lasers is that there is only some mild redness and temporary swelling for 24-36 hours following the treatment session. Usually one may return to normal activities within a day or two.

The newest treatment for acne scarring is the Fractional Laser device. With the Starlux Fractional Laser we offer a relatively painless procedure which sends an array of Laser beams into the upper layer of the skin to stimulate scar remodeling. There is a bit more redness and swelling after each treatment but most people resume normal activity several days after the treatment. Optimal results are obtained after a series of treatments. This treatment is used for Laser skin toning and improvement of sun-damaged skin as well.
Frequently Asked Questions:

How does dermabrasion or Laser resurfacing work to improve acne scars?

These techniques work by creating a controlled abrasion of the skin, relying on the skin’s natural healing capacity to heal the treated areas in a smooth, scarless manner. Much as a superficial scrape on the knee often heals without a trace, facial skin is very rich in normal healing elements, allowing for an excellent healing response after abrasion. Dr. Goldberg will usually use a combination of Laser techniques to sculpt and recontour the shoulders of the scars utilizing the CO2 and/or Erbium Lasers to obtain an optimal result. By smoothing the raised contours of the scars, stimulating a tightening and remodeling of the skin’s collagen framework, a more even skin texture is achieved.

How much improvement can I expect from a single Laser Resurfacing treatment?

While our goal is to achieve a perfect result, certainly with a single procedure, this is usually not obtainable. Most patients will achieve an improvement of at least 50% in the depth, severity and overall skin texture. This is a very reasonable expectation with a single treatment. The amount of improvement can be enhanced with excisions to selected large or sharply demarcated scars prior to or at the time of the procedure. A second treatment is often advised at about a 1 year interval, to enhance the results and obtain an even better result.

In general, the final result is related to the type and amount of lesions present and the patient’s ability to produce good wound healing. However, many patients will achieve more than a reasonable improvement in their skin problem. As with any surgical procedure, it is not possible to accurately predict or guarantee the quality or quantity of results: but in some instances, improvement may be negligible. There is no surgical procedure which can remove all skin defects without a visible trace.

Is the Laser Skin Resurfacing Treatment painful?

Most all of the treatments are done in our office using a combination of anesthetic methods. First the skin is numbed using a topical anesthetic such as Ela-Max cream. This cream is applied one to two hours prior to the procedure. This topical anesthesia is then supplemented with intramuscular injection of an analgesic (ie. Demerol) and oral sedation with an agent such as Valium. Anesthesia is then augmented with local skin injections to further complete skin anesthesia. While the procedure is not totally painless, the staff will go to great lengths to keep you very comfortable throughout the procedure as well as during the entire healing phase.

Many full-face treatments are performed at the outpatient surgery center under general anesthesia with an anesthesiologist present. In this case the procedure is virtually pain free but has additional costs and the added risk of general anesthesia.

How long does the skin take to heal after the treatment?

Most patients will heal within as few as seven to as many as fourteen days. The healing is related to the person’s innate healing response (i.e. longer for a smoker), state of skin preparation prior to the procedure, dressing used after the procedure, as well as the depth of treatment necessary to remove the scars. Most patients heal well, fairly quickly, with little to minimal pain within ten days to two weeks. There can be persistent redness in some individuals, which can last for weeks and in rare instances 6+ months or more. Most people will be able to wear makeup by day 10 and return to work or normal daily activity by 10-14 days.

What are the risks of the procedure?

Like any surgical procedure there are certain risks and side effects of treatment. The most common risk is a disturbance in color or pigment in the skin after the procedure. Sometimes the treated skin may appear slightly lighter or darker in color than the untreated areas. Darker pigment is usually transient and can be treated with skin lightening creams with improvement over a matter of several weeks to months. Lighter pigment is more common to occur after deeper treatments, especially with the CO2 laser, and is more evident when partial treatments are done. Dr. Goldberg will usually recommend a feathering treatment adjacent to treated areas using the Erbium Laser or a chemical peel to minimize any permanent color mismatch. There is always a risk of infection, although we have seldom experienced this problem since we use an open healing technique after the procedure (no occlusive dressings). In addition, preventative antibiotics and an antiviral are used at the time of and after the procedure. The risk of scarring is present, but fortunately is very rare and is correctable using a variety of medical techniques. We minimize complications with exquisite attention to detail during the procedure as well as during all critical phases of care after the procedure.

Does insurance cover acne scar revision?

In most cases, acne scar revision by Dermabrasion or Laser treatment is not covered benefit in most insurance plans. These treatments are usually considered cosmetic or not medically necessary, and therefore the responsibility for payment is with the individual. Discussions of the costs of treatment are handled by Dr. Goldberg’s staff as part of your consultation.

Please visit our website at www.pimaderm.com to view some examples of before and after treatment results.

Call our office and speak with Monica, Carla or Lynne for additional information or to schedule a consultation or treatment. 795-7729