

Dermatology Institute
CO₂ Laser and RF Micro-needling
(Before and Afters):



Performed by Dr. David Harvey

Schedule Your Consultation:
770-400-8400

Watch our brief video on fractional CO₂ laser by scanning the code below or by using the case sensitive link under the code.



bit.ly/DrHCO2

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DERMATOLOGYINSTITUTE
FOR SKIN CANCER + COSMETIC SURGERY



**A Guide to Understanding CO₂
Laser and RF Micro-needling**

by David T. Harvey, MD, FAAD

*Dedicated to Healthy
& Beautiful Skin*

Fraxis Duo™ CO₂ Laser Treatment Overview:

Our Fraxis Duo CO₂ laser system is a “gold standard” device. It is a highly sought after system because it can integrate multiple advanced technologies into one platform. The CO₂ laser emits the longest wavelength of light compared to other lasers and can be used on a variety of skin types. Treatments can be easily tailored to meet the specific cosmetic need(s) of our patients.

This state-of-the-art device excels at treating a wide range of skin conditions. These include: deep wrinkles, pigment abnormalities, blotchiness, acne scars, and surgical or traumatic scars. It can also reduce unwanted visible fine lines around the eyelids and lips, as well as improve the appearance of skin texture and laxity, pores, stretch marks, nose rhinophyma, warts and growths such as seborrheic keratosis.

The Fraxis Duo is also versatile with respect to treatment location. Besides the face and neck, it can also be used on the hands, décolleté, back, arms, and legs. The platform of the Fraxis Duo allows for the simultaneous use of RF micro-needling with CO₂ laser. This combination approach improves the final cosmetic result that is seen.

How Does It Work?

Fractional CO₂ laser takes light energy and fractionates or “pixelates” it into thousands of tiny little columns. These pixels of light energy can be configured to selectively injure a target within the skin itself. During the repair process, new collagen is produced and the regenerated skin appears healthier and more vibrant.

How Long Does the CO₂ Laser Treatment Take?

This depends on the area(s) being treated. Usually most treatments are completed within one to two hours. This will be reviewed with you at your consultation. Please plan to be at our office for a few hours.



Fraxis Duo laser can be used to:

- Erase fine lines and wrinkles of the face
- Smooth and tighten eyelid skin (Madonna Lift)
- Improve crow’s feet around the eyes
- Soften skin “dimpling”, acne scars and frown lines
- Remove brown spots and improve skin color
- Improve and flatten scars
- Improve the appearance of stretch marks
- Repair smoker’s lines
- Improve skin tone and texture
- Treat warts, unwanted skin growths & large pores
- Improve earlobe texture and appearance
- Improve female sexual health
- Improve female incontinence issues

Procedural Downtime:

The Fraxis Duo CO₂ laser can be readily customized. Treatments can be deeper with more healing and downtime (average seven days) or more superficial with less downtime (average two to four days). The deeper the treatment, in general, the more significant the results. Some patients prefer to have three lighter treatments performed every four weeks in order to have faster healing.

Pre and Post Procedure Info:

It will be necessary for us to obtain a pre-op history and physical before a CO₂ laser treatment is performed. Pre-op medications are prescribed to minimize the risk of infection and to maximize patient comfort. We ask all patients have someone drive them to and from the office and to stay with them for the first 24-48 hours post surgery.

CO₂ Alternative Treatments:

Feminine Rejuvenation Therapy:

Fraxis Duo CO₂ laser can be used as a pain-free, non-surgical alternative to vaginal tightening surgery. This treatment requires no anesthesia or downtime, is a quick procedure, and is used to treat disorders involving sexual health and incontinence. It has changed the lives of many women by addressing these sensitive concerns, which in the past could not be corrected without major surgery.

RF Micro-needling:

RF micro-needling employs small silicone tipped needles, which deliver heat energy directly into the skin. This technique is safe for all skin types. The downtime from RF micro-needling is less than that seen with the CO₂ laser. Multiple treatments are usually required, and these are performed every three to six weeks.

RF Micro-needling Treats:

- Unwanted sweating and body odor
- Acne scars
- Pore size and number
- Stretch marks
- Vertical lines on the face, neck and chest
- Aging neck skin
- Surgical and traumatic scars
- Creeping skin of arms, hands, chest, and legs
- Acne when combined with a chemical called *aminolevulinic acid* and blue/red light



CO₂ Laser Before and After