

# **LeDerm Laser Medical Aesthetics**

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## **Collagen Induction Therapy**

**(Micro- Needling)**

### **What is Micro-Needling?**

Micro-needling treatments provide exceptional collagen induction therapy via fractional delivery of needles into the epidermis and dermis. These micro-injuries to the skin encourage and capture the power of the body's innate ability to regrow and repair the skin through the physiology of collagen induction. Micro-needling treatments are performed in a series 4 to 6 treatments over the space of 2 to 6 months.

Remarkable improvement is visible even after the first treatment. Each micro-needling treatment is performed 4 weeks apart. Micro-Needling offers a solution for all skin conditions that clients might seek treatment for: wrinkles and fine lines, acne scarring, stretch marks, wound healing stimulation, skin tightening, lifting and rejuvenation. Micro-Needling treatments complement other treatment options like chemical peels, IPL, micro-dermabrasion and laser skin tightening. This will greatly increase their effectiveness and are encouraged to be used in conjunction with these treatments.

### **What areas of the skin can be treated?**

Wrinkles and fine lines around the face, neck and decollate. Acne scars, surgical scars, burn scars, stretch marks, sun/age spots on the face and hands, etc.

### **What are the costs per treatment?**

Micro-Needling treatment costs can range from \$100 – \$700 per session depending on the size of the area being treated and any additional serums being used. It is recommended patients receive 4-6 treatments, depending on skin condition and age.

### **What makes Micro-Needling Different from Fractional Laser?**

The closest technology to the Micro-Needling is a fractional laser. A fractional laser “drills holes” in the skin to create a wound healing response and leaves normal tissue around the holes to be a reservoir for fibroblasts and stem cells to migrate into the holes. Fractional radio frequency devices work on a similar principle and have many of the same side effects as fractional lasers. Micro-Needling also makes holes in the skin to create a wound healing response and leaves normal tissue around the holes. These technologies have similar results for developing collagen induction, but achieves them in very different ways. The laser uses light to char and obliterate epidermis to produce small pits which vary in diameter and depth, depending on the laser type and manufacturer. Micro-Needling produces reproducible and consistent holes in the skin. Side effects differ between technologies. Most fractional lasers leave erythema and edema up to 48 hours after treatment. Resultant down time is approximately 3-4 days for fractional laser treatments. The Micro-Needling treatments result in erythema with or without edema for about 24 hour, hence, less down time. Micro-Needling has none of the side effects specific to fractional lasers.