

introducing
**pro
microneedling**

PRO Microneedling delivers your most advanced professional results for minimizing the look of hyperpigmentation, pores and wrinkles.

This treatment uses innovative techniques and powerful, professional-grade actives to help:

- **Brighten** complexion
- **Reduce** the appearance of dark spots
- **Diminish** the appearance of lines and wrinkles
- **Refine** the look of pores



Microneedling (known as Collagen Induction Therapy) is designed to increase cellular communication within the skin, encouraging the growth of new collagen and elastin in aging skin, and restoring skin's natural youthful glow.

Microneedling has rapidly gained popularity in the past decade. Today, this minimally-invasive procedure is one of the most requested skin treatments globally to treat hyperpigmentation, lines, wrinkles and visible pores. A growing body of research demonstrates the various applications microneedling has in the treatment room. Recent studies have shown that the technique is able to stimulate collagen production, and that it is also effective in targeting the melanocytes responsible for melanin overproduction and hyperpigmentation.

WHAT IS MICROCHANNELING?

Similar to microneedling, microchanneling is a non-invasive procedure designed to stimulate your body's natural ability to generate collagen, elastin and other building blocks of healthy skin by triggering the body's wound healing process. By using fine

needles to make minuscule, evenly-spaced micro-injuries, the treatment stimulates the healthy tissue surrounding the microchanneling wounds to repair the damage. Increases in collagen and communication levels in the skin facilitate thicker, younger looking skin.

Microchanneling is the next-generation of microneedling with better results and no downtime.

MICROCHANNELING vs. MICRONEEDLING.

The main differences between microchanneling and microneedling are the type of device used to perform the treatment and the technique that is used. A microneedling device involves the use of a handheld roller covered in tiny needles which is dragged over the skin. This method can actually tear the skin.

Instead, the **microchanneling** device encompasses a linear stamping technique, resulting in clean, consistent micro-channels. This reduced tissue damage results in reduced inflammation and substantially decreased discomfort for clients. Reduced inflammation means less downtime. Typical downtime after a microchanneling treatment is 60-90 minutes, compared to days of downtime with microneedling.

WHO CAN BENEFIT FROM MICROCHANNELING TREATMENTS?

While most lasers or other modalities that burn through the barrier stimulate a significant amount of inflammation, microchanneling mitigates any excess inflammatory cascade while tapping into the skin's regenerative capacity.

Microchanneling naturally increases the skin's production of growth factors. Not only is microchanneling a phenomenal way to stimulate regeneration via the wound healing cascade, but it also allows for an increase in nutrient uptake and bio-availability. When combined with cutting-edge growth factor serums, healing is improved and future signs of aging is diminished.

Microchanneling treatments are minimally invasive, and are safe for all ages and skin types. Whether you are fair-skinned or dark, and even if you experience chronic breakouts.

Ideal candidates are those who seek improvement in the following areas:

- Acne scars
- Fine lines and wrinkles
- Anti-aging or skin tightening
- Hyperpigmentation (sun spots)
- Pore size reduction
- Rosacea
- Stretch marks or other traumatic scarring

HOW LONG DOES IT TYPICALLY TAKE TO SEE RESULTS?

Though neocollagenesis (the production of new collagen) can take several weeks, it is not abnormal to notice an improvement in the quality and appearance of your skin within the first 24 hours. After 2-3 treatments a thicker more robust, collagen filled cellular matrix will produce more consistent and noticeable improvement.

DOES MICROCHANNELING TREATMENT HURT?

With minimal physical discomfort, most clients are able to do the procedure without numbing cream and without any noticeable pain. There is no application of numbing cream in the preparation phase of the microchanneling treatment. ***This is due to that you should not be causing this level of pain or trauma to gain the long term benefits of microneedling/microchanneling, also these products can cause skin irritation and poor wound healing.*** There is no lingering discomfort. Post-procedure, most people report a “tight” feeling in their skin.

WHY IS MEDICAL GRADE MICROCHANNELING SOLUTION CRUCIALLY IMPORTANT!

One of the most effective non-invasive skin treatments is microchanneling, which works wonders for ageing skin issues, like saggy skin, wrinkles, age spots, and more.

However, the effectiveness of skin micro needling treatments depends largely on the type of serum used.

This will explain the benefits of using the serum for mesotherapy micro-channeling rather than just serums from your skincare routine.

CYTOKINES & GROWTH FACTORS RELATED TO HEALING				
Inflammatory Cytokines- Acute	Inflammatory Cytokines- Chronic	Anti- Inflammatory Cytokines	Cytokine Growth Factors	Proteases & Inhibitors
IL-1 α	IL-2	IL-4	PDGF	MMP's
IL-1 β	IL-3	IL-10	VEGF	TIMP's
IL-6	IL-5	IL-13	TGF- α	
IL-8	IL-7	IL-16	TGF- β 1	
IL-11	IL-9	Wisp-2	TGF- β 2	
Ep	IL-12	IL1-RA	IFN γ	
G-CSF	IL-14	IL18-RA	FGF-b	
C-C	IL-15	TNF α -RA	FGF-a	
TNF-a		TGF- β 3	IGF-1	
		HGF	KGF	
			EGF	

While a fantastic modality, microneedling is a small piece of the puzzle. To truly maximize and optimize the performance of a needling session, the session needs to be combined with the right topical nutritional tools that flood the skin with additional protein molecules to help heal that skin unlike any other topically applied product in the post-procedure scenario.

The professional medical grade Microchanneling Solution, which Skin & Body Alchemy uses during the needling treatment contains pro-healing, anti-inflammatory growth factors and cytokines derived from laboratory culture of human bone marrow mesenchymal stem cells, the specialized cells that science has determined function as “command and control” of healing in all injured tissues. Hyaluronic acid provides lubrication and is a powerful humectant that promotes rapid re-hydration and volume enhancement within the upper layers of the skin. It is the perfect solution to maximize and optimize the results of any microneedling treatment.

While our medical grade Microchanneling Solution is just one of many available, it is important to be sure that whatever is being applied is naturally sourced from the human body. When compared to other popular treatments (like PRP/platelet-rich plasma), there are significant differentiating factors. PRP, although autologous, is drawn from the blood, centrifuged, and is applied topically also contains growth factors and cytokines. *These growth factors and cytokines, however, **are not the ones that the skin requires*** while being highly inflammatory. PRP not only exacerbates inflammation, but research has actually proven that PRP is an ineffective microneedling adjuvant.

Mesotherapy Serums vs. Normal Serums for Microneedling/Microchanneling

Microneedling is an advanced skin procedure where a stamp, pen, or derma-roller is covered in tiny needles and stamps or rolls all over the skin surface to encourage collagen production and toning of the tissues.

The micro-needling action is used in conjunction with a mesotherapy serums, which acts as a buffer between the stamp and the skin itself.

The International Journal of Dermatology explains that the active solution of mesotherapy serums can be injected directly into the affected area, so they are excellent for those who want to tackle dehydrated, dull, puffy, or saggy skin.

Mesotherapy serums are crucial for a successful microneedling treatment because they protect, nourish, and hydrate the skin cells as they penetrate the dermis placing growth factors, vitamin c and peptides in the right place.

What is the difference between mesotherapy serum to skincare serum?

The right mesotherapy serum will successfully regenerate the affected cells, whether the skin is sun-damaged, aging, or pigmented. For this reason, it is crucial to choose mesotherapy serums that will favor the skin's health in the short and long term.

Now that you know the relationship between micro-needling and serums, let's get into the differences between mesotherapy serums and normal serums:

- * Mesotherapy serums are medical-grade solutions designed to be injected into the skin, while normal serums are formulated to be applied to the skin's surface.
- * Mesotherapy serums contain fewer chemical compounds; they are alcohol-free and fragrance-free than normal serums because they are created at a specific molecular weight in an active natural form for the skin cell to recognize.
- * Most meso-serums contain a high concentration of a specific combination of reactive enzymes, cytokines, plant extracts, and vitamins to help tackle skin cell health in the extracellular matrix while normal serums may include a wider variety of ingredients, so they can be applied to the skin and feel soft and pleasurable to the senses.



DO I HAVE TO USE THE AFTERCARE SERUMS?

Microneedling/Microshanneling stimulates the body to release peptides, cytokines and growth factors that induce collagen production. As you get older, the stem cells that produce these vital proteins lose efficacy and decline in population, so microneedling, microchanneling alone becomes less and less effective.

The Microchanneling Post-care Serums become more vital to improvement. Use of the correct aftercare products ensure the skin continuously receives potent, robust, pristine peptides, cytokines and growth factors even in between treatments. Think of diet and exercise – microneedling/microchanneling without serums is like exercising without dieting. Results can be good with microneedling, but are significantly amplified with correct aftercare serums and solutions.

We offer aftercare professional solutions and serums intended for use with needling or as regular home skincare, which contains no antigenic material and consists only of proprietary blend of stem cell cytokines and growth factors in a high molecular weight hyaluronic acid base



In Conclusion

Mesotherapy serums (medical-grade solutions) are crucial for successful microneedling/microchanneling treatment because they place the ingredients into the dermis to nourish, and hydrate the skin cells to address signs such as wrinkles and sagging skin.

When the skin cells are traumatized by the injection of the needles, the exact nutrient support, such as growth factors and cytokines, are placed in the perfect environment for the skin cells to absorb and regenerate to be stronger and nourished skin tone.

Serums for mesotherapy have a smaller and light molecular weight than normal skincare serums. This enables the undeveloped skin cells in the dermis to recognize the essential active ingredients required for its growth and strength as it matures.

Your everyday serums cannot be as active or at the correct molecular level as they need to sit on the shelf in the warehouse before arriving in your bathroom for a few months. This is why you will see all mesotherapy serums in a single-use, air-tight bottle.

Now you know a ton of helpful information about **microneedling/microchanneling treatments**.

Our **Skin & Body Alchemy** skin health approach is to educate you to have the confidence when investing in your skincare and professional aesthetic treatments safely that are right for your skin health, not just your type of skin or the latest fad!



1 | skin first

We understand the structure and function of skin cells. This knowledge, along with our clients' goals, informs everything from our needle depth to technique and complementary products we use and recommend.

We consider skin's natural renewal cycle when planning treatments. For this reason, we recommend spacing treatments out by 4-6 weeks. We also recommend clients to do a series of 4-6 yearly microneedling treatments for optimal improvements and skin maintenance.

2 | progressive vs. aggressive

Going deeper first is not always better! For the sake of the skin and the client, we believe in starting slow and building results over time.

Our techniques range from nanoneedling (using dented plates to exfoliate the stratum corneum), through microneedling up to 0.75mm. Needle depth is dependent on skin concern: shorter needles and targeted serums typically work to boost brightness, while we may go up to 0.75mm to address the appearance of wrinkles.

3 | multi-faceted

We believe that best results can be achieved with adequate techniques and complementary products.

- Developed in collaboration with expert skin therapists, our signature microneedling technique ensures a thorough, precise and efficacious treatment.
- We prepare skin first with a thorough resurfacing using our chemical peels.
- We utilize professional-only serums during treatments.