

Stunning Skin from Within

Rejuvenate and heal with Rejuran.

With the boom in medical aesthetics and advancements in clinical research come ever-improving treatments which promise rejuvenated faces. While there's a plethora of minimally invasive procedures on the market, no other injectable has boasted capabilities of dermal healing, until now. Rejuran – which acts as a skin healer – doesn't just plump hollow regions; it restores the extracellular matrix by stimulating fibroblasts and growth factors to not only fight fine lines and wrinkles, but also improve skin quality from within. Along with advanced dermal rejuvenation, Rejuran has capabilities of treating sensitive skin and battling instances of post-inflammatory hyperpigmentation like melasma. Aesthetic physicians Dr. Park Hyun Jun, Dato' Dr. Liow Tiong Sin, and Dr. Anshaw Lee reveal how Rejuran works, and why it's one of the cutting edge aesthetic treatments to date.

What is Rejuran?

Dr. Park: Rejuran is made of polynucleotide (PN) or polydeoxy-ribonucleotides (PDRN) which has wound-healing and anti-inflammatory properties. It stimulates fibroblast and vascular endothelial growth factors to heal the skin from within. In addition to safety, stability and good biocompatibility, Rejuran restores the extracellular matrix by activating the skin's self-regenerating abilities while improving the skin's condition.

Dato Dr. Liow: PDRN works by targeting the adenosine force field or A2A receptors, which modulate inflammation. Besides, it provides nucleotides for salvage pathways to protect or enhance cell regeneration, thereby reducing oxidative stress and oxidation in the environment. Besides facial rejuvenation, we've found many studies of its uses in osteoarthritis, or odontitis, where we see ischemic changes of the cells. There are 2018 studies that prove its links to spinal cord injury improvement.

Dr. Anshaw: Rejuran is the latest form of skin boosters. It brings about dermal environment improvements to



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encourage rejuvenation and restoration. Unlike other injectables, Rejuran is neither a filler nor a muscle-relaxing agent. It has advanced reparative factors and is highly efficacious in treating external injuries caused by UV damage and internal damage from the effects of oxidative stress.

Who makes the best candidates for Rejuran?

Dr. Park: The best candidates are those with fine lines and wrinkles along the mouth and eyes, due to chronic microscopic wounding. It's also appropriate for patients with melasma and damaged skin from sun exposure. Because Rejuran works as a healing agent, individuals experiencing dermal inflammation including acne, redness, eczema and scarring can also benefit. Finally, it acts as a great alternative to fillers, should allergies to filler ingredients be present.

Dato' Dr. Liow: I used to treat patients with volume loss and wrinkles via fillers and neuromodulators. When I started using PN/PDRN however, I found that patients' skin quality improved drastically as compared to previous treatments. In short, this treatment is recommended to those desiring younger-looking skin, which feel softer, smoother and more supple. Patients who've tried Rejuran love their new look and have reported many compliments following treatments.

How is the treatment administered?

Dr. Anshaw: Rejuran is administered via superficial intradermal injections with a tiny needle. To ensure comprehensive treatment of the face, I would recommend the administration of two to three hundred injections covering areas such as the forehead, cheeks, temples, upper and lower eyelids and nasolabial region.

While Rejuran is less painful than other skin boosters, discomfort may still be present. To combat this, patients can choose to take oral analgesics or paracetamol prior to treatment. Numbing cream in addition to lidocaine may be introduced. If necessary, your doctor may also place ice packs on areas treated, to not only target pain, but decrease instances of swelling.



What are its contraindications, and how many sessions do patients generally need?

Dr. Park: As PN/PDRN is derived from salmon sperm, those allergic to salmon aren't recommended this treatment. Otherwise, its contraindications include patients who are on blood thinners such as warfarin, and individuals who've previously undergone collagen stimulators like Ellansé and Sculptra. The recommendation is three to four treatments each administered a month apart.

When can patients begin seeing Rejuran's effects?

Dr. Anshaw: Rejuran is a quick absorbing treatment which boasts discernible effects within short periods. If patients suffer sensitive or problematic skin, problems like erythema or redness will subside after two weeks. In addition, patients will also see improvement in skin elasticity plus tighter, lifted skin as the result of collagen synthesis. Other obvious effects are balanced oil and moisture levels, reduced appearances of scars and open pores, and a reduction of hyperpigmentation.

Dato' Dr. Liow: With a simple series of just four sessions, patients are able to showcase their new looks with confidence. Within just a couple of weeks, individuals sport youthful and more rejuvenated faces which don't only appear natural but require less makeup and concealer as well.

How is Rejuran unique?

Dr. Park: Rejuran offers superior anti-ageing effects and remains an effective procedure in skin management. In my clinic, I combine Rejuran with other treatments because of their synergistic effects. For example, Rejuran works in tandem with Q-switched and CO₂ lasers to reduce pigmentation and acne scarring. If paired with threadlifts or non-crosslinked hyaluronic acid fillers, patients can enjoy skin that's unmistakably lifted, hydrated and more youthful.

Dr. Anshaw: Rejuran, in my opinion, is a new paradigm for skin boosters. It's changed the way we look at injectables because it doesn't simply smoothen and relax wrinkles or plump skin. Rejuran heals the skin from within and even results in longer-lasting results, less pain and fewer side effects.

Dato' Dr. Liow: Over the last 10 years, we've seen great advancements in the medical aesthetic field. With the internet and social media, patients are becoming more aware of aesthetic treatments, and seeking new treatments which provide long-lasting benefits. With innovative solutions like PN/PDRN, we're able to help patients understand more about dermal rejuvenation by facilitating better skin without too many other added treatments. This helps patients achieve desired results without breaking the bank. For better, comprehensive results, Rejuran is a great complementary treatment with other techniques. For example, when combined with HA, synergistic effects are boosted through enhanced regeneration and oxidative stress reduction. The recipes are endless as there's a wide spectrum of treatments one can combine PN/PDRN with.

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