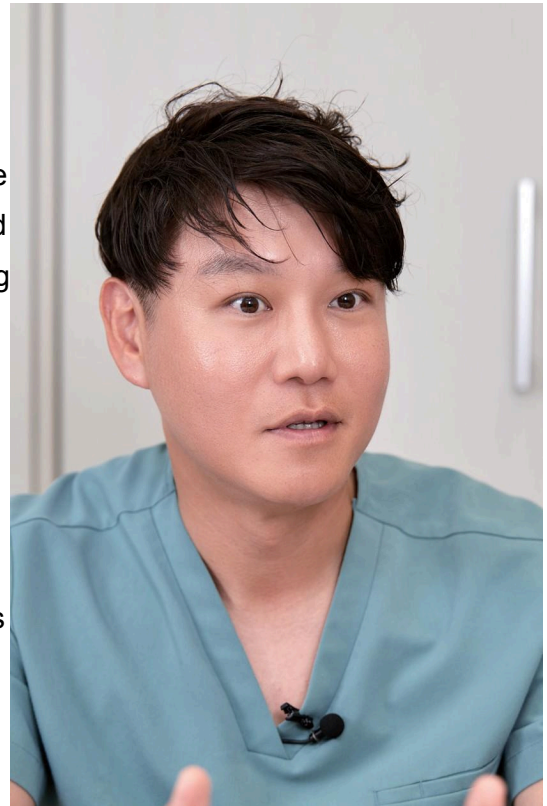


The New Standard Of Facial Tightening, Monopolar RF Dr. Hyung-Wook Park, Dan Clinic Changwon

Dr. Hyung-Wook Park of Dan Clinic Changwon has recently become deeply impressed with VOLNEWMER treatments. By combining a distinctive water-based cooling system with a single RF pulse, he actively delivers treatments that are safe, efficient, and clinically effective. As healthy beauty and natural aging have become key topics in aesthetic medicine, Dr. Park explains that VOLNEWMER—by promoting collagen regeneration—is optimally designed for the concept of **well-aging**.

According to Dr. Park, VOLNEWMER provides comfortable yet effective outcomes for both physicians and patients, setting a **new standard for monopolar RF treatments**. Here, he shares VOLNEWMER's key strengths and patient feedback based on his clinical experience.



How Did You First Encounter VOLNEWMER?

I first encountered VOLNEWMER at an academic conference exhibition booth. I am actually a long-time and enthusiastic user of SHURINK. Having used it effectively for many years, I already had strong trust in Classys as a company, which made me curious about VOLNEWMER as well. Around that time, I also had a clear need for a monopolar RF device, so I immediately requested a demonstration.

What Was Your First Clinical Impression?

With monopolar RF, it is not easy to immediately assess results during a demo. Rather than focusing solely on outcomes, I paid close attention to the treatment process itself. As I

performed the procedure, I felt that VOLNEWMER was a device designed with the patient in mind from multiple perspectives.

Most patients reported that the treatment was comfortable. In one case, a patient who regularly visits our clinic was extremely satisfied with the results and even promised to bring acquaintances after seeing the improvement. Hearing such feedback made it difficult not to adopt the device.

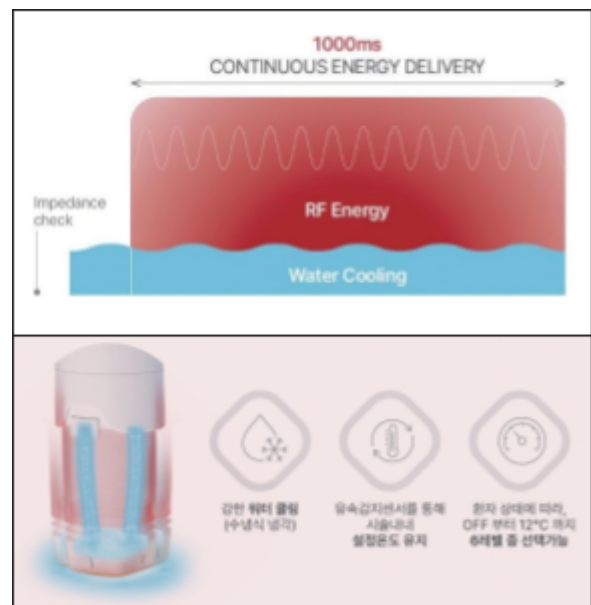
That particular patient had relatively thin skin and, despite being in their 60s, did not exhibit severe sagging—an ideal candidate profile. Inevitably, I compared VOLNEWMER with other monopolar RF devices I had previously used. As someone who has used the original monopolar RF systems through their 3rd and 4th generations for over a decade, I evaluated VOLNEWMER across effectiveness, performance, pain level, downtime, and cost. Based on this comprehensive comparison, I found VOLNEWMER to be fully comparable. Among domestic devices, it is by far the most satisfying.

VOLNEWMER Has a Unique Cooling System—How Do You View It?

The cooling methods I was familiar with in monopolar RF were associated with extremely cold temperatures. VOLNEWMER's cooling felt different, and at first, I honestly wondered whether its cooling performance might be insufficient. In retrospect, that was due to my lack of understanding.

Conventional monopolar RF systems typically use direct cryogen spray cooling to achieve contact cooling. This approach is highly effective and allows stable, predictable cooling through controlled cryogen bursts. More recently, cooling has been divided into multiple pulses to reduce the risk of adverse effects.

VOLNEWMER, however, adopts an entirely different concept: **circulating chilled water instead of cryogen spray**. By circulating cooling water at a relatively higher temperature



range of **12–20°C**, VOLNEWMER enables continuous contact cooling throughout a full **1,000 ms**. Because the epidermis is sufficiently protected during this prolonged contact cooling, RF energy can be delivered as a **single 1,000 ms RF pulse**, eliminating the need to split pulses.

This dramatically reduces unnecessary cooling. Moreover, thermal energy can be delivered up to the upper papillary dermis, effectively stimulating collagen regeneration. Traditional monopolar RF systems cool the skin to temperatures as low as -20°C , making it difficult to target the papillary dermis. From this perspective, VOLNEWMER may be the monopolar RF device that most effectively stimulates the papillary dermis.

This likely explains why VOLNEWMER’s clinical results are not inferior to those of the original devices—if not superior. Even before VOLNEWMER was released, I often questioned whether repeatedly applying extremely strong heat and cooling was truly optimal, or whether there existed an energy level that could induce appropriate protein denaturation without excessive tissue stress. VOLNEWMER feels like a direct answer to those questions.

How Do You Select Patients for Treatment?

Because everyone undergoes aging, virtually all patients visiting our clinic can be considered potential candidates. While the speed and degree of aging differ from person to person, no one can completely avoid it.



In particular, monopolar RF is highly suitable for the concept of **well-aging**, which has gained increasing attention. Well-aging is not about stopping aging entirely, but rather pursuing natural and healthy aging—and I believe VOLNEWMER aligns perfectly with this philosophy.

Do You Have Concerns About Pain?

VOLNEWMER’s water-based cooling minimizes temperature fluctuations. Although the absolute



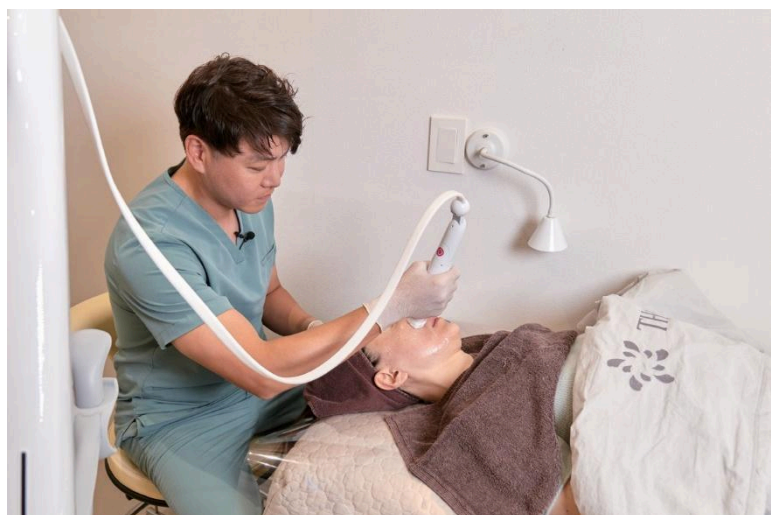
temperature may be relatively high, the consistency of the temperature makes it easier for patients to tolerate. With topical anesthetic cream alone, patients can comfortably undergo full-face treatments.

In contrast, cryogen-based cooling involves extreme temperature changes, requiring the practitioner to remain constantly vigilant during treatment, which can be stressful for both physician and patient. Through clinical experience, I have come to the conclusion that **excessively strong cooling is not necessary in monopolar RF treatments.**

Unsurprisingly, I have not experienced a single burn-related adverse event.

How Is VOLNEWMER's Single RF Pulse Clinically Useful?

I would like to focus on treatment convenience. As mentioned earlier, VOLNEWMER is advantageous in maintaining a stable skin temperature, and both its water-based cooling system and single RF pulse contribute to this.



Because skin temperature remains stable, the handpiece can be moved smoothly during treatment. This allows the practitioner to freely draw desired vectors and directions while performing the procedure. Additionally, VOLNEWMER can be used in both **stacking modes** and **moving modes**, depending on treatment goals, to achieve clinically meaningful outcomes.

In many ways, it feels similar to performing the Genesis technique with a long-pulsed laser. However, when comparing efficacy, safety, and ease of use, VOLNEWMER surpasses long-pulsed laser systems.

For my settings, cooling is maintained at the lowest parameter of **12°C**. Energy levels are set to **2.5 for stacking mode** and **3.0–3.5 for moving mode**, adjusted according to each

patient's pain tolerance and tissue response. A 600-shot full-face treatment typically takes about **20 minutes**, making the procedure remarkably efficient.

Due to the nature of the treatment, the **resting process** is crucial with VOLNEWMER—much like resting a steak after grilling. If heat is applied too intensely all at once, only the surface cooks while the inside remains under-treated. Time is needed for heat to distribute evenly. For a full-face treatment, I typically deliver **100 shots to the right side, 100 to the left, repeat this sequence once more, and then apply the remaining 200 shots** to complete the session.

What Are the Short- and Long-Term Treatment Effects?

The results of monopolar RF treatments tend to appear gradually. I define the endpoint as the point when mild facial erythema becomes visible. Immediately after treatment, slight swelling may occur, and patients typically notice skin improvement after about one week.

After **3–4 weeks**, patients can clearly perceive enhanced skin elasticity. I frequently receive feedback that the skin feels firmer and more hydrated, especially during facial cleansing. These effects tend to peak over **2–3 months**.

Depending on the patient's condition, I recommend treatment **once or twice per year**. When combined with skin boosters in between sessions, this frequency is usually sufficient. For patients particularly concerned about sagging, I add HIFU. Recently, I have also frequently incorporated polymer-based collagen boosters. When VOLNEWMER is combined with HIFU and collagen boosters, truly optimal **skin rejuvenation** can be achieved.

Even Without Side Effects, Are There Any Precautions?

To be honest, the procedure is extremely comfortable—for both the practitioner and the patient. It almost makes one wonder whether side effects are even possible.

VOLNEWMER is equipped with an **automatic impedance detection system** that stops energy delivery if skin contact is incomplete. Its curved contact surface and specially

designed edges further enhance usability. It is a device that even beginners with limited experience can use with confidence.