Radiofrequency Device Tip Handpiece: A Game Changer in Eye Rejuvenation

By Lisette Hilton, Contributing Editor



Magdalena Dobosz, MD, PhD
Board-Certified Dermatologist
and Co-Founder
and Medical Director
Centrum Medyczne Dobosz
Gdańsk, Poland

Periorbital aging is one of the earliest signs of facial aging. It results from a cascade of structural changes spanning cutaneous, adipose, and muscular layers around the eyes.

As the non-surgical options for treating periorbital rejuvenation have evolved, so have aesthetic practitioners' approaches to eye rejuvenation.

"My clinical approach to the periorbital region has evolved in recent years. We have moved away from the reliance on hyaluronic acid dermal fillers and aggressive botulinum toxin protocols in the upper and lower eyelids," said Magdalena Dobosz, MD, PhD, a board-certified dermatologist and co-founder and medical director of Centrum Medyczne Dobosz, in Gdańsk, Poland. "Today, the focus is on biostimulation, neocollagenesis, and structural skin quality improvement."

This is at a time when patients demand natural-looking outcomes, tissue tightening, and zero social downtime.

Dr. Dobosz told *The Aesthetic Guide* that monopolar radiofrequency is her go-to tool for achieving those periorbital rejuvenation goals. "It allows me to restore the skin's elasticity and thickness without altering natural facial dynamics," she said.

Specifically, she uses Volnewmer (EVERESSE by Classys, South Korea), a 6.78MHz monopolar radiofrequency (RF) technology.

The Difference Is in the Handpiece

Volnewmer stands out primarily for its I-Tip handpiece designed specifically for the delicate periorbital area, according to Dr. Dobosz.

"The ergonomic design provides exceptional comfort and control for the practitioner. It allows seamless maneuverability along the upper and lower eyelids and the crow's feet area," she said.

Volnewmer also offers benefits for patients, with an advanced cooling system and vibration mechanisms that significantly reduce thermal discomfort compared to traditional monopolar RF devices, according to the dermatologist.

Patient Selection, Clinical Protocols, and Experience

Ideal candidates for Volnewmer periorbital rejuvenation have mild-to-moderate periorbital laxity, fine lines, or early dermatochalasis. Many of the patients that she treats are not yet candidates for surgical blepharoplasty, while others want to postpone surgery.

As for how she uses the technology around the eyes, Dr. Dobosz utilizes Volnewmer as monotherapy, as well as part of combination protocols.

"In my practice, I frequently combine monopolar RF sessions with targeted mesotherapy (utilizing polynucleotides or uncrosslinked hyaluronic acid) to hydrate and nourish the extracellular matrix. Additionally, I combine it with superficial, non-ablative fractional lasers or RF-microneedling in a single or staged protocol to address surface pigmentation and texture alongside deep structural tightening," Dr. Dobosz shared.



Before and 3 months post procedure with Volnewmer
Photos courtesy of Magdalena Dobosz, MD, PhD

Best Practices and Safety Protocols

Safety around the delicate orbital structure is paramount.

Dr. Dobosz conducts a pre-treatment assessment, evaluating baseline skin thickness, festoons, and orbital fat herniation.

Regarding vectoring and energy delivery, Dr. Dobosz said that the I-Tip allows for highly predictable, uniform energy distribution.

"I strictly adhere to therapeutic energy parameters tailored to the patient's skin impedance and thermal threshold. I never exceed recommended fluence levels to avoid overheating of tissues," she said.

Patient feedback during the procedure is important. Dr. Dobosz maintains continuous verbal communication during the pass technique. The patient should feel a deep, comfortable warming sensation rather than sharp pain, she said.

To avoid complications, Dr. Dobosz keeps the handpiece perpendicular, maintains constant fluid contact/coupling gel, and uses continuous motion to ensure smooth energy transfer and prevent superficial epidermal burns or hot spots.

Patient Experience: Pain, Downtime, and Results

Thanks to the specialized cooling and energy delivery of the periorbital tip, the Volnewmer procedure is comfortable for patients.

"While larger face tips can carry moderate heat sensation, the eye treatment is typically described by patients as a warm, soothing massage," she explained.

There's truly zero downtime post Volnewmer eye rejuvenation, according to Dr. Dobosz. Patients may exhibit mild, transient erythema for 30 to 60 minutes post-procedure, but they can immediately return to work or social activities.

While patients often notice an immediate "flash effect" due to acute collagen fiber contraction, the true biological results—dermal thickening, skin tightening, and fine line reduction—progressively mature over one to three months as new collagen and elastin fibers synthesize, she shared.

The primary drivers of Volnewmer consultations and bookings are internal marketing and word-of-mouth referrals.

"Because the periorbital area is one of the first regions to show visible signs of aging, patients naturally ask about non-surgical options during routine consultations. We utilize high-resolution digital imaging (before-and-after portfolios) in our waiting rooms and consultation suites," Dr. Dobosz said. "Once a patient experiences a painless, zero-downtime treatment with visible tightening, they become our best brand ambassadors. We also present short clinical educational clips on our social media."

Integrating Volnewmer into practice was a good strategic decision. At a time when patients increasingly prefer minimally invasive treatments, bio-rejuvenation, while balancing busy schedules, a device that delivers structural tightening with zero recovery time is invaluable, the dermatologist shared.

"Beyond periorbital rejuvenation, we utilize the larger treatment tips extensively for lower-face contouring, jowl reduction, submental tightening, and improving neck laxity," she said "The device's safety profile allows us to stack it in single-session protocols with non-ablative technologies or vascular lasers. Overall, my experience has been overwhelmingly positive. Volnewmer fills a crucial gap left by topicals, injectables, and invasive surgery."