

# RevLite's Versatile Technology Yields Exceptional Results

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Before Tx



After RevLite Tx  
Photos courtesy of Erçin Özüntürk, M.D.

Representing next-generation, Q-switched laser technology, RevLite® from Cynosure (Westford, Massachusetts, U.S.) is a multi-purpose, multi-wavelength aesthetic laser, offering safe and effective treatment solutions for a wide-range of cosmetic indications on all skin types.

As well, "RevLite not only effectively addresses many of the diverse cosmetic indications commonly seen in the aesthetic practice, but does so from a single platform," said Erçin Özüntürk, M.D., a dermatologist at Erlamer Laser Aesthetic Clinic in Istanbul, Turkey. "Its novel technology combines photomechanical and photothermal effects, which is a great advantage over other devices and technologies."

Unique to aesthetic devices on the market, the technology featured in the RevLite EO Q-switched Nd:YAG laser is the pioneering PhotoAcoustic Technology Pulse™ (PTP), characterized by high peak power and a short pulse duration. This PhotoAcoustic action targets the molecule (whether collagen, tattoo ink of all colors or pigment in the skin) at a high rate of forced energy, vibrating and shattering the target molecule without any collateral damage to the surrounding tissues. The flat-top beam profile ensures that the energy is delivered evenly from the perimeter to the center of the beam, resulting in a more homogenous profile, and therefore more efficient energy delivery.

"I have been using the RevLite since it first debuted in the U.S. market five years ago," said Michael H. Gold, M.D., medical director of Gold Skin Care Center in Nashville, Tennessee, U.S. "Our initial clinical research on this sophisticated Q-switched device showed its effectiveness in dealing with some of the more difficult concerns one encounters regularly in a dermatology setting – including pigment and tattoo removal."

In Dr. Gold's experience, the new pulsing strategy, which allows more energy to be

delivered, is safer for patients than previous Q-switched systems, "and allows our therapies to be more efficacious. As well, one can use the RevLite for rejuvenation therapy, a little known secret regarding Q-switched systems."

Cynosure notes several advantages of RevLite, including quick and painless treatments with no downtime, as well as an excellent safety profile with minimal to no adverse effects. It can be used on all skin types and is often combined with other aesthetic rejuvenation techniques such as dermabrasion, dermal fillers and botulinum toxins to enhance cosmetic outcomes.

RevLite's technology offers physicians the unique versatility and flexibility to effectively treat varying cosmetic indications, ranging from tattoo removal, epidermal and dermal pigmented lesions, hair removal, vascular lesion removal and the improvement of wrinkles and acne scars.

"One of the main advantages of RevLite is that treatments are not only efficient and effective but painless also, due to the innovative technology driving the device," said Doris Spreitzer, M.D., a plastic, aesthetic and reconstructive surgeon in Baden, Austria. "The PhotoAcoustic technology allows me to surpass the epidermis safely and only treat the dermal targets such as pigmented lesions and the hair roots in epilation treatments with precise energy."

RevLite offers up to four wavelengths (1064 nm, 532 nm, 650 nm and 585 nm) and works at higher fluences so that larger spot sizes can be used for faster treatment of larger surface areas. Furthermore, RevLite achieves greater efficacy than its predecessor, the MedLite C6, with nearly 60% more power – ideal for skin rejuvenation.

According to Dr. Spreitzer, RevLite is an elegant workstation that addresses several different cosmetic indications, many of which can often be delegated to trained office staff.