

Candela Delivers Unique Fractional CO₂ Solution with QuadraLASE

By Bob Kronemyer, Associate Editor

A total solution for popular aesthetic indications such as skin rejuvenation, tightening/wrinkle reduction, uneven tone and acne scarring is now possible with the QuadraLASE fractional CO₂ laser from Candela Corporation (Wayland, Mass.). The QuadraLASE features unique QuadraSCAN technology for reduced side effects and dual handpieces for more superficial or aggressive treatments.

"This system offers the capabilities of a continuous wave CO₂ for surgical applications," said Richard Eisen, M.D., a dermatologist in private practice in Plymouth, Mass. "It also has an ablative mode for traditional CO₂ resurfacing. The most exciting part of QuadraLASE is its ability to perform ablative fractional resurfacing procedures with two different handpieces."



Richard Eisen, M.D.
Dermatologist
Plymouth, MA

QuadraLASE includes a 300 micron QS handpiece delivering more superficial fractionalized laser resurfacing for improved tone and texture, as well as a 180 micron QD handpiece providing deeper therapy for skin tightening, wrinkle reduction and acne scarring. Physicians often use both handpieces within the same session.

Dr. Eisen explained that QuadraLASE's novel QuadraSCAN technology "lays down a specific pattern of microthermal zones of injury and scanning to maximize tissue cooling after the delivery of each spot, before another pulse is placed beside it." The scanning system "covers one area and then skips to another area before returning to the first area. As a result, there is less bulk heating of the epidermis; thus, the risk of side effects is reduced." Furthermore, having no disposables is a cost-savings for the operator and can

significantly reduce the procedure price to patients.

Dr. Eisen's primary indication for the QuadraLASE is wrinkles/skin tightening, which are treated in a single session. "Patients should see anywhere from 60% to 80% improvement." One milder treatment or a series of three less aggressive treatments, spaced at least one month apart is effective for dyschromias. "For patients with brown discoloration on their face, skin tone can be evened out and there is some improvement in skin texture," Dr. Eisen observed. He also expects the QuadraLASE to be one of the best values in the fractional system arena, "with results comparable to other devices."

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Compared to some of the other fractionated CO₂ systems on the market, the QuadraLASE "offers a little bit more versatility and a little bit less pain," said Thomas Rohrer, M.D., a partner at SkinCare Physicians of Chestnut Hill, Mass. "The individual spots in the QuadraSCAN are placed as far apart from each other as possible. This results in less pain."

Additionally, the smaller spot QD handpiece provides "more tissue contraction, so we're seeing some terrific results, particularly in those difficult to treat areas, such as around the mouth and eyes," Dr. Rohrer reported.

Practitioners can vary the spot size, the individual microspot size and the percentage of area covered during any treatment. "These three variables give

a lot of versatility and allow us to treat patients individually," Dr. Rohrer said. "Controlling the settings can maximize improvement and minimize downtime."



Thomas Rohrer, M.D.
Partner
SkinCare Physicians
Chestnut Hill, MA

According to Dr. Rohrer, some patients achieve significant improvement after a single session, while others may elect to schedule a second or even a third treatment for continued improvement. For multiple treatments, Dr. Rohrer prefers to wait about six months between fractionated CO₂ sessions.

"The QuadraLASE has added another advantage and treatment option for photo-aging and acne scarring," Dr. Rohrer said. Its smart design and small footprint also minimizes space needs.



Before Tx



30 days after QuadraLASE Tx

Photos courtesy of Thomas Rohrer, M.D.