

# Candela's AlexTriVantage and QuadraLASE Systems Represent New Frontier in Aesthetic Tx

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Dr. Fiedler treating a patient with the AlexTriVantage

Pigmented lesions as well as multi-colored and deeply pigmented tattoos have always been challenging to treat. The AlexTriVantage<sup>®</sup> from Candela (Wayland, Massachusetts, U.S.) is a state-of-the-art laser system offering treatment solutions for an array of benign pigmented skin lesions including sun/age spots, birthmarks, freckles, nevus of Ota/Ito, café au lait lesions and tattoos of all colors.

Using its unique laser-pumped technology, the AlexTriVantage builds upon the proven performance of a 755 nm Q-switched alexandrite laser with the addition of 1064 nm and 532 nm Q-switched Nd:YAG wavelengths. This system provides quick and effective treatments of a greater variety of pigmented lesions, while avoiding unwanted dyspigmentations. The combination of three wavelengths in a single laser system saves valuable office space as well as the costly investment of multiple laser devices.

"The aesthetic removal of pigmented lesions and multi-colored tattoos can be challenging. Candela's alexandrite laser has always been effective in treating pigmented lesions, however, with the addition of the Nd:YAG wavelengths, deeper and darker pigments can now be effortlessly treated in as little as one to two treatment sessions with AlexTriVantage," said Gabriela Fiedler, M.D., a dermatologist in private practice in Weissenfels, Germany.

According to Dr. Fiedler, the Q-switched alexandrite 755 nm wavelength effectively removes blue, black and green tattoos, whereas the 1064 nm and 532 nm Q-switched Nd:YAG wavelengths address black, dark blue and red tattoos. By extending its pulse width, the AlexTriVantage optimizes the delivery of laser energy to the target chromophore while minimizing trauma to the skin. Its 50 ns pulse envelope results in a powerful performance with a gentle touch.

Candela has also recently developed the QuadraLASE<sup>™</sup> system which has proven to not only be effective in skin rejuvenation but also very useful in the removal of acne scars, skin tags, non-pigmented nevi, as well as actinic keratoses. This fractional CO<sub>2</sub> laser is compact, uses no disposables (which keeps operating costs down) and is value priced. These attributes, combined with its skin rejuvenation ability makes this device an ideal addition to any aesthetic practice.

QuadraLASE raises the bar in fractional CO<sub>2</sub> therapy by utilizing unique patent pending QuadraSCAN<sup>™</sup> technology. Its exclusive quadrant pulse mechanism distributes pulses in an alternating grid pattern, which minimizes heat build-up in the skin, resulting in a significant increase in patient comfort. This novel device is equipped with dual handpieces offering variable depths of fractional ablation. The 300 micron QS handpiece delivers effective ablation for significant visible improvement in skin tone and texture, whereas the 180 micron QD handpiece performs deeper therapy for skin tightening, wrinkle reduction and acne scarring. QuadraLASE also offers the added versatility of continuous wave CO<sub>2</sub> for traditional fractional resurfacing procedures.

"A unique advantage of the QuadraLASE device over other CO<sub>2</sub> devices is that it can be implemented for a diverse range of aesthetic indications, including those on the face," noted Andreas Heller, M.D., a dermatologist in private practice in Idar-Oberstein, Germany. "The versatility of this laser allows you to address many different aspects of skin rejuvenation using a single device."

Whether targeting lesions or performing skin resurfacing, Dr. Heller feels that the QuadraLASE is not only quicker than contemporary Erbium and CO<sub>2</sub> lasers, but the healing time is faster, resulting in much shorter downtime for patients.