World-Class Laser

The MedLite™ Q-Switched Frequency Doubled Nd:YAG Laser series from HOYA ConBio revolutionized the way physicians think about aesthetic laser procedures. Since 1992, the team of MedLite engineers has worked to continually improve the performance of this outstanding system by increasing power, finding new applications and adding accessories. Therefore MedLite is now the questioneiro device in its category.

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Several Wavelengths... Multiple Applications

The many wavelengths available with MedLite C Laser Series allow for excellent varied treatment capabilities:

**C6 with MultiLite**

<table>
<thead>
<tr>
<th>Wavelength (nm)</th>
<th>Applications</th>
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<tbody>
<tr>
<td>532 nm</td>
<td>Pigmented lesions, Epidermal lesions, Skin rejuvenation, Tattoo removal, Pigmented lesions</td>
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<tr>
<td>1064 nm</td>
<td>Dermal lesions, Scar revision, Skin tightening, Skin rejuvenation, Tattoo removal, Pigmented lesions</td>
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The MedLite optical benefit includes flashlamps, the Nd:YAG rod, a Pockel cell and optics. The MedLite articulated arm sets the minimum ultra-high energy light delivery.

Nd:YAG Rod:
The Nd:YAG (Neodymium Yttrium Aluminum Garnet) rod absorbs the intense broad-spectrum light emitted by the excited flashlamp and releases the energy as laser light at 1064 nanometers (infram.)

The Nd:YAG rod is uniquely set apart from the ordinary Nd:YAG laser in that it is Q-Switched and Frequency Doubled.

The Q-Switched technology is considered the most effective technology to remove tattoos and pigmented lesions.

Unmatched Q-Switched Frequency Doubled Nd:YAG Technology

Q-Switch:
The Q-Switch or Pockel cell acts as an extremely high speed shutter which allows the MedLite to produce ultra-short (5-20 nanoseconds) high peak power (up to 200 megawatts) pulses bringing about an “explosive” action on targeted structures (photomechanical or photoacoustic effect). The short pulse duration limits the healthy tissue’s exposure to heat build-up, offering extremely safe and fast treatments.

PurpuraLite™:
The PurpuraLite™, our exclusive chromophore-clearing device, eliminates purpuric reactions in all treatments. The PurpuraLite™ acts by temporarily “emptying” the fine blood vessels under the treatment area, eliminating the “red” chromophores that would otherwise absorb energy and create a purpuric (purpural) reaction.

MultiLite Dye Handpieces (optional accessory for the MedLite C6):
These multi-pigment dye-impregnated polymer rods convert the 532 nm wavelength to either 585 nm (yellow) or 650 nm (red).

With the addition of these MultiLite handpieces, the MedLite C6 effectively has four wavelengths in one laser system, thus giving more treatment options.
Efficacy, Reliability and Repeatability

Epidural and Dermal Pigmented Lesions

The MedLite’s Q-switched 1064 nm wavelength is ideal for treating painless and benign pigmented lesions, including age spots, solar lentigines, café-au-lait spots and dermal melanoctyses. Photos of your lesions allow for increased patient satisfaction and will extend the appearance of your skin. The 532 nm wavelength can also be used to treat these lesions, with careful attention to not over-pigmenting. Multiple treatments can be safely and effectively performed to achieve the best results for your patients.

Advanced Tattoo Removal

The MedLite is the "gold standard" for advanced tattoo removal. The noninvasive, pulse-repetition mode treatment is safer and more effective for tattoo removal, with reduced risk of scarring, skin pigment changes, and less discomfort than other laser treatments. The MedLite 1064 nm wavelength at the low energy level used for tattoo removal is safe, effective, and easy to use. Patients report immediate clearing of the tattoo, with little to no risk of pigmentation or hypopigmentation.

Laser for Photoaging

Laser Peel

Laser Toning

A study conducted by Paul Friedman, MD and Roy Geronemus, MD (Laser & Skin Surgery Center of New York) found that the MedLite produces quantifiable improvement of surface topography, and in skin tone. Further research into the rejuvenation treatment improved efficacy after multiple treatment sessions and biomechanically characterize nonablative treatment sessions with the MedLite for acne scarring. The researchers also looked to determine improvement of photoaging associated with long-term ultraviolet damage. The rejuvenation treatment improves pigmentation, textural problems and decreases pore size. With just one treatment, patients report and doctors have confirmed that they have achieved a more refreshed appearance, a reduction in fine lines and wrinkles, smoother skin texture, and a return on investment. Fremont, CA-based Hoya ConBio is a fully owned subsidiary of Hoya Corporation, a U.S. laser manufacturer since 1977, Hoya ConBio has been a leading provider to the global medical and dental markets since 1988. The company’s 1064 nm extended Q-switched technology is a highly stable, efficient and effective wavelength for tattoo removal and pigmentary laser treatments. Hoya ConBio and Hoya Photonics Corporation, based in Toda City, Japan, have formed a strategic partnership so that Hoya Photonics Corporation can leverage its experience in developing new applications for the MedLite laser. The two companies are working to ensure that Hoya ConBio maintains the quality and performance standards that its customers have come to expect from the Hoya family of laser products.

The MedLite sets the "gold standard" for advanced tattoo removal. The nanosecond pulse duration effectively treats red and dark ink tattoos including black, dark blue, brown, and green. The laser is also ideal for removing permanent makeup and traumatic tattoos.

Fast, Safe and Versatile

Q-Switched Nd:YAG Laser Series.