

Aesthetic Buyers Guide[®]

The Leading Aesthetic Practice Resource™

Primary Care Edition

Autumn 2006

MicroPulse Technology Reinforces Practical Advantages of LightPod Neo

The LightPod Neo laser from Aerolase (formerly known as FriendlyLight, Tarrytown, N.Y.) is increasingly being recognized as a practical choice in the aesthetic device arena. A uniquely compact and lightweight (22 lbs.) instrument, the device is easy to transport and store, and ideal in situations where working space is at a premium. The price and reliability are also favorable for the world's only high-powered, air-cooled laser.

Discerning physicians from many specialties, who value clinical performance and laser engineering, are increasingly turning their attention to LightPod Neo. Many competing Nd:YAG systems emphasize that the 1064 nm wavelength is the safest for all skin types, however, this is often presented as a trade-off for painful treatment. Aerolase developed the innovative pulse engineering design, known as MicroPulse, which is specifically engineered to deliver efficient hair removal that is long lasting and pain free.

"Many people look at this compact laser and assume it is low in power," said Mark Nestor, M.D., Ph.D., a clinical associate professor of dermatology and dermatologic surgery at the University of Miami School of Medicine in Florida. "In reality, the LightPod Neo delivers up to 15,000 watts. This is clearly enough to produce the fluence needed for effective hair removal in a short pulse duration, 0.65 milliseconds, which is shorter than the thermal relaxation time of dermal and epidermal tissue. The result is hair removal that is virtually pain free in all skin types. This is an engineering coup for Aerolase."

Given that the LightPod's laser emitter is mounted within the handpiece and cooled by air, energy is delivered directly to the skin. This design is exceptionally energy efficient. Conventional lasers have the emitter mounted within a large cabinet, the beam is transmitted through an optical light guide and the device is cooled with circulating water, which results in significant energy losses. These drawbacks are

resolved in the design of LightPod lasers, thus they are inherently much smaller, lighter, less costly and maintenance-free.



Before Tx

After LightPod Neo Tx

Photorejuvenation is another common treatment with this device. "We use multiple LightPods for various applications. But most rewarding for the patients and the practice is undoubtedly photorejuvenation," said Aletha Tippett, M.D., who practices family medicine in Blue Ash, Ohio. "We noticed right away that our treatments combined the conventional expectations — relief of sun damage, red and brown blemishes, restoration of skin smoothness — with a most welcome dividend. Our patients normally experience a natural skin tightening effect that begins following the first treatment. For a typical program of four sessions at one month intervals, patient satisfaction is very high."

Added Dr. Nestor, "The LightPod Neo uses its pulse energy profile very advantageously. It is the rationale for pain free performance in all applications, and has the added valuable effect of rapid collagen remodeling. There is no special effort, technique, or other medication used by the operator. The design of the laser crystal is also extremely energy efficient. It is mounted directly in the handpiece close to the skin, with the laser crystal cooled by moving air. No gels, not even topicals, are needed in most cases. While the LightPod is gaining a reputation for being compact, lightweight and low priced, it may be the engineering and clinical performance that's most interesting." ■

Welcome to

aerolase™

compact laser technology

and **LightPod® Neo™**



- ▶ With our exclusive air-cooled design and proprietary MicroPulse 1064™ technology, Aerolase medical-aesthetic lasers offer a unique combination of performance, portability, cost-effectiveness and freedom from maintenance.
- ▶ LightPod Neo will be a strong contributor to your laser practice:
 - Neo provides pain-free performance in hair removal, photorejuvenation with a dividend of skin tightening, and treatments for vascular lesions.
 - Neo is cleared for over 30 cutaneous applications, with several additional treatments under study
- ▶ To find out more about Aerolase and LightPod, contact Aerolase via phone, email or website.

Aerolase, formerly FriendlyLight Laser
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