

PicoSure Picosecond Laser

PicoSure Picosecond Laser approved by U.S. Food and Drug Administration (FDA), which contains most literature and clinical reports on the market.

4 approved indications are:

1. The treatment of benign pigmented lesions removal
2. Any colors of tattoo removal;
3. The treatment of acne scars and wrinkles using Focus Lens Array.
4. For Skin Rejuvenation and whitening

The wavelength of PicoSure is 755nm, which has the best efficiency in dealing with melanin among other common wavelengths in the market. Under 755 nm wavelength, melanin absorption rate is 50 times better than oxyhemoglobin's, which means 755nm wavelength can shatter melanin with a lower energy for a safer treatment and a lower chance of side effects.

Meanwhile, picosecond, which represents 10^{-12} s, is 1000X shorter than nanosecond technology. PicoSure creates a strong and significant photomechanical impact based on picosecond ultra-short pulse duration, patented PressureWave™. This resulting in greater disruption of the intended target, turning them into extreme fine particles that can be easily absorbed by body metabolism. Compared with traditional nanosecond laser, PicoSure required less treatments times and provides more effective and faster results with a minimum photothermal side effects to the surrounding skin tissue.

In addition, PicoSure can produce a laser-induced optical breakdowns (LIOBs) by redistributing and concentrating laser light through a unique patented FOCUS™ Lens Array. The laser-induced optical breakdowns (LIOBs) will create a shock-wave to enhance cell proliferation and repair mechanisms, stimulate collagen and elastin hyperplasia in dermis layer. Dermis layer could be thicken from inside to outside, thereby improving skin condition, reducing the pores, smoothing fine lines, and improving scars. The most important, there is no wounds created after treatments but only with a very short downtime. Potential redness will disappear within 24



hours after treatment.

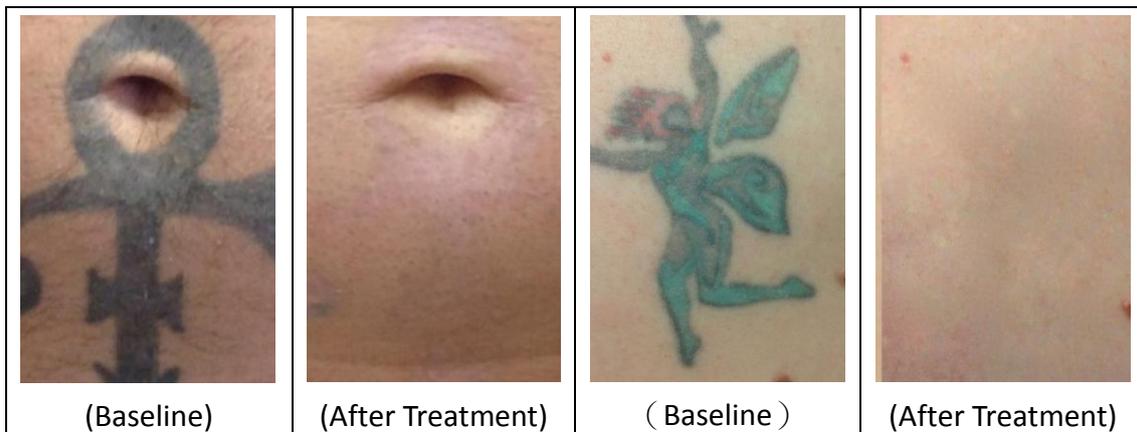
For Benign Pigmented Lesions

When body could not catabolize the excess melanin which produced by melanocytes, pigments may form. PicoSure is indicated for the treatment of benign pigmented lesions removal including epidermal and dermal pigmented lesions. The number of treatment of benign pigmented lesions removal mainly depends on the type and color of pigments.



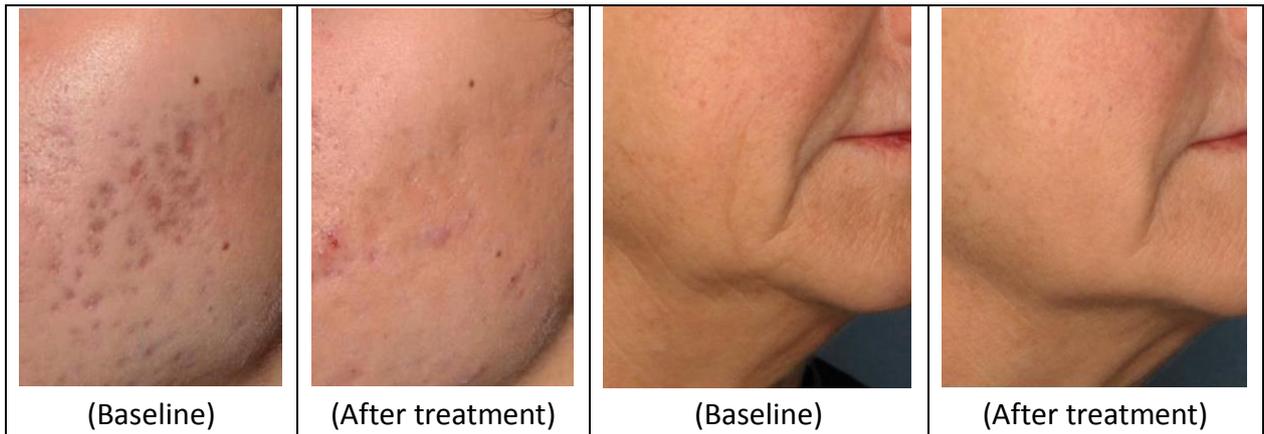
For Tattoo treatment

Tattoos are permanent ink patterns on the skin which are artificially drawn. The removal of tattoo usually requires at least 4-5 times treatments. The clearance and number of treatment depend on the tattoo color, ingredients, depth of the ink, metabolism rate and so on. PicoSure is indicated for the treatments of any colors tattoo removal including blue and green inks which may be difficult to remove using 1064nm laser . Recalcitrant tattoos that previously-treated by nanosecond laser could also be improved.



For Acne Scars and Wrinkles

PicoSure with FOCUS™ Lens Array is indicated for the treatment of acne scars and wrinkles, also could improve skin texture as rejuvenation. The treatment could stimulate the production of new collagen and elastic fibers, which result in reducing fine lines and pores size, increasing skin elasticity and improving skin condition. PicoSure with FOCUS™ Lens Array will create LIOBs in epidermis, collagen and elastin in dermis will be simulated, thus thicken the dermis and improve the skin conditions. There are no wounds on the skin after treatments, only with a very short downtime as simple post treatment care is needed.



For Skin Rejuvenation and whitening

PicoSure treatment combined flat optic and FOCUS™ Lens Array could improve uneven skin tone and aging skin condition to maintain a more delicate and whitening skin.

