

## **PicoSure Laser: FDA-Approved Laser Treatment for Skin Revitalization, Pigmentation, Tattoo Removal**

Pico laser represents the cutting edge of a type of laser technology known as short-pulse lasers. The Picosecond pulse width is 100 times shorter (and therefore, 100 times faster) than traditional (QSwitch) nanosecond technology, hence the name Pico Laser.

These lasers are designed to deliver energy so rapidly, in PicoSure's case in a trillionth of a second. The rapid flashing minimizes the amount of heat and creates a photomechanical effect that's highly effective in removing tattoo ink and unwanted pigments. Less heat means less surface tissue damage and discomfort.

### **What is PicoSure Laser?**

PicoSure® is the world's first picosecond aesthetic laser and the only Picosecond laser machine with FDA approval for:

- a) Tattoo removal
- b) Skin Revitalization - Wrinkle reduction, textural and scar improvement.
- c) Removal of Pigmented lesion

### **How Does It Work?**

PicoSure's PressureWave™ technology uses a unique wavelength of light (755nm) and a specialized lens to ***convert laser energy into gentle pressure***. This pressure squeezes cells, activating natural cell signalling processes that create new collagen and elastin without overheating, burning or damaging the skin.

### **What is the difference with PicoSure and other Pico Lasers?**

The differentiating factor is the 755nm wavelength and the specialized Proprietary Focus™ Lens Array.

- ***Alexandrite 755 mn Wavelength***

PicoSure utilizes a Picosecond Alexandrite 755 nm wavelength that ***naturally targets melanin, unlike most other Pico Lasers.*** With minimized heat, the rapid

flashing of the laser creates an intense photomechanical impact which allows more laser shots to be delivered into the dermis.

- *What is PicoSure Proprietary Focus™ Lens Array?*

The main feature of PicoSure Laser is that it has a **unique function** that uses a patented **Proprietary Focus™ Lens Array**. It is known to be **20 times more powerful** than a normal lens, as it uses a diffractive lens that focuses and redistributes each laser pulse - thereby concentrating energy into hundreds of microspots that looks like beehives. Hence, Taiwanese and Chinese patients coined PicoSure as 蜂巢皮秒.

There are many different types of Pico lasers in the market, however, PicoSure Laser has **robust scientific evidence to prove its efficacy** - there are **more than 90 Peer Reviews** and ASLMS (American Society for Laser Medicine & Surgery) Presentations from 2014 to 2018. PicoSure is currently one of the most expensive Pico laser in the market. Patients pay a **premium price for a premium laser treatment** that achieves excellent results.



### What can PicoSure Focus™ do?

- Creates intra-epidermal laser induced optical breakdown (LIOB), which uniquely leads to dermal remodelling
- Stimulates the skin to induce new collagen and elastin production
- Activates cell signalling to induce an enhanced inflammatory healing response
- Rejuvenates skin for a more youthful glow, and bring about a noticeable change in the texture and softness of the skin
- Effectively targets acne scars and fine lines with little downtime

### Main takeaway for PicoSure Laser:

*1) **Supported by multiple clinical papers, histology and studies** (There are more than 90 Peer Reviews and ASLMS (American Society for Laser Medicine & Surgery) Presentations from 2014 to 2018.*

2) PicoSure Laser is more effectively absorbed by pigments - which results in ***fewer sessions required*** and a ***higher clearance rate of pigments***

3) Much ***lower possibility of side effects*** like Post-Inflammatory Hyperpigmentation (PIH)

### What can PicoSure Laser treat?

PicoSure Laser is able to effectively target and treat:

- Pigmentation
- Fine lines and wrinkles
- Enlarged pores and uneven skin tone (Complete Skin Revitalization)
- Melasma
- Skin lightening and whitening
- Stretch marks
- Tattoo Removal

- Acne scars

#### **Benefits of PicoSure Laser:**

- Increases collagen, elastin and skin reflectivity
- Lightens unwanted pigment and discoloration
- Unique innovation that activates cell signalling for dermal remodelling
- Little to no downtime
- Fewer sessions required, higher clearance rate of pigments
- Lower possibility of PIH

#### **Skin Revitalization**

PicoSure is the world's first picosecond aesthetic laser and the only Picosecond laser machine with ***FDA approval for Skin Revitalization***. It gently yet effectively targets collagen deposition and elastin fibres by using ***PressureWave™ technology instead of heat***. With its unique 755nm wavelength, it converts laser energy into gentle pressure ***resulting in dermal remodelling of the skin***. Thus, ***achieving impressive results*** with increased levels of collagen, elastin and skin reflectivity.

For patients who require an enhanced treatment, the Focus lens that is known to be 20 times more powerful than the normal lens, is ***used to achieve optimal results***. It intensively targets skin tone, textural improvements, fine lines and wrinkles.

#### **Pigmentation**

Sun spots such as freckles, dark spots, liver spots, age spots, melasma and all types of brown patches can appear throughout the face, décolletage and body. This is commonly caused by overexposure to the sun or hormonal changes. PicoSure Laser is the first of a new generation of aesthetic lasers that ***uses PressureWave™ instead of heat to target melanin***, the pigment that causes dark spots in your skin.

PicoSure has a unique lens called Focus™ Lens Array that is known to be 20 times more powerful than the normal lens. It works by using ***ultra short laser pulses*** which breaks down the pigment into ***tiny dust particles*** - leaving patients with noticeably improved skin in only a few sessions with little to no downtime.

Depending on the size, shape, and type of discolouration, it may require a different number of sessions.

PicoSure Focus treatments are *clinically proven to effectively lighten unwanted pigment* and discolouration, and uniquely *stimulate the production of new collagen and elastin* – thus achieving excellent results without the pain or downtime of other laser treatments.

Removal of unsightly spots will help *achieve flawless, younger-looking complexion* and better skin texture.

### Acne Scars

Acne scarring is a complication of acne, and is a result of poor wound healing. Collagen plays a role in the healing process – your skin produces new collagen as it repairs itself after a breakout. Occasionally, it may produce too little or too much collagen, resulting in a scar.

PicoSure 755nm laser has robust scientific evidence to prove its efficacy in acne scar management. *PicoSure Focus™* shows *promising results for the treatment of acne scars*, wrinkles and improvement of skin tone and texture. It works by stimulating the production of new collagen and elastic fibres in the epidermis thus *resulting in overall skin revitalization* and brightening.

- **Privé Customised Approach:** Treating acne scars requires a customized approach based on the individual's skin. At Privé, we provide *a combination treatment* of lasers, light therapy, peels, subcision, injectables (Rejuran I or Rejuran Healer), prescription medicine, topical creams and supplements.

Patients have *experienced optimal and effective results* with our customised course of treatment that is *tailor made* for each individual's skin problems and concerns.

### Tattoo Removal

PicoSure is a step up from traditional laser technologies. This laser uses short bursts of energy to rapidly clear almost all tattoos, especially black, blue and green colours that are difficult to remove by other lasers. PicoSure's strength lies in its

capability in shattering ink particles effectively. It is also the first and only aesthetic picosecond laser that is *FDA-cleared for the removal of tattoos.*

The PicoSure laser has been *successfully proven* to treat stubborn colours as well as previously treated tattoos. These dust size ink particles broken down by the PicoSure laser are typically eliminated from the body within four to six weeks after treatment.

With PicoSure, a *complete tattoo removal* possibility is very high and *fewer sessions are required* as compared to traditional tattoo removal lasers. It is always advisable for patients to arrange for a consultation with our doctors as individual results may vary.

### **Downtime**

There may be 1-3 hours of mild redness on the treated area immediately after the laser, depending on the laser setting and intensity customised by doctor. Minimize sun exposure and use of sunscreen of SPF30+ is highly recommended.

At Privé, we always tailor unique combination treatments that best suit our patients' needs. Contact our friendly Customer Service for more information.

\*Treatment is conducted by certified doctor.

### **Important note:**

The Ministry of Health of Singapore does not allow the publishing of before and after photographs and patient testimonials in advertising materials. If you visit our clinics for more information, we will be happy to show you more photographs and pictures of our patients.