

## Discovery Pico Laser: Laser Treatment for Skin Rejuvenation, Pigmentation, Tattoo Removal

Skin pigmentation refers to darkening of the skin because of the skin's excessive production of melanin. Melanin is produced by melanocytes and functions as a shield on skin cells to protect the skin from sun and UV damages. Some of the common types of skin pigmentation include age spots, sun spots, freckles and melasma and can appear on the face, hands and arms.

The biggest culprit for pigmentation is sun damage. The UVA and UVB rays are a key cause of premature ageing and can lead to hyper pigmentation and sun spots. The extent of sun damage depends largely on a person's skin colour and the intensity of the sun exposure.

In fact, those who engage in outdoor sports such as golfers, swimmers or cyclists are more prone to the UV rays from the sun and more likely to have some form of skin pigmentation. Unwanted pigmentation can you look older and more tired.

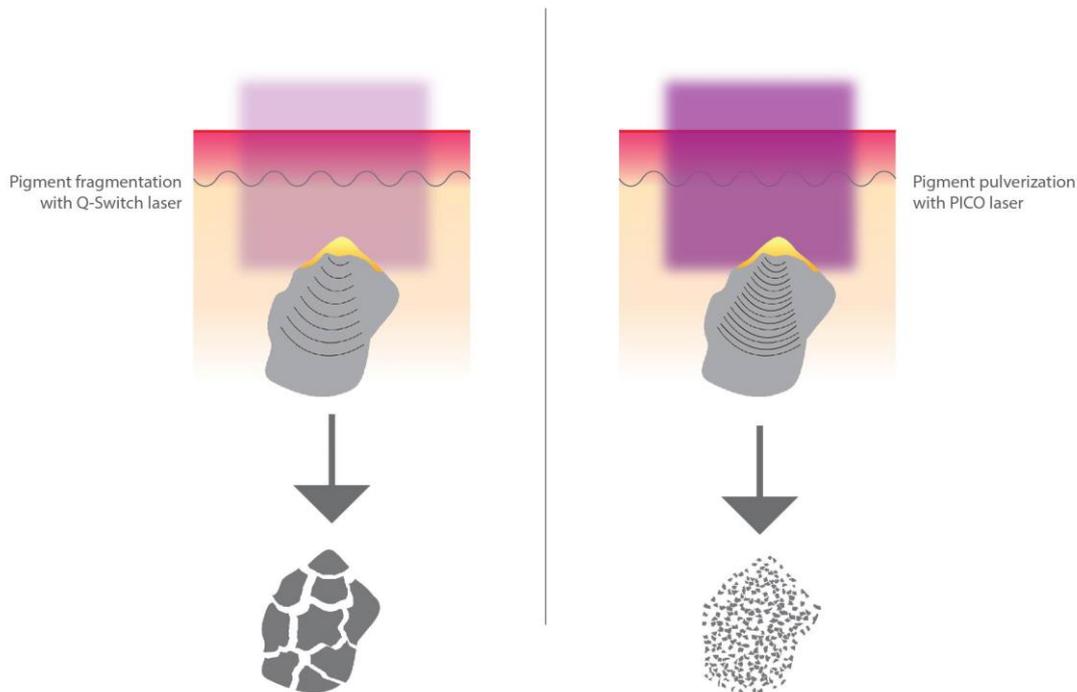
Treatments such as medical laser Discovery Pico can help to rejuvenate skin and tone it, but also help to give your skin a clearer, fresher look.



### What is Discovery Pico Laser?

Discovery PICO Laser is a highly efficacious laser technology for the treatment of pigmentation, skin rejuvenation, and tattoo removal. It addresses skin problems such as melasma, sun spots, age spots, freckles, birthmark and unwanted tattoo.

### How Does It Work?



When the laser light is being absorbed by the pigmented lesions, the light will vibrate, fragments the particles into really thin “dust” and breaks up melanin and pigment particles in “picosecond” pulses. This in turn means that the skin takes a lesser time to heat up and reduces the risk of hyper-pigmentation. The Laser pulses generate a pure photoacoustic effect which targets the pigments without affecting the surrounding tissues.

The procedure is safe, simple, comfortable and fast. The skin will be cleansed prior to the treatment and laser-protective goggles are positioned over the eyes. The laser beam will be directed towards the area of concern, heating the deeper layers of the skin.

A series of 3 to 6 treatments is usually required for the pigment to fade and lighten.

### **Safety & Side Effects**

This is a non-invasive and non-surgical treatment.

Discovery Pico Laser is safe as it works on a specific wavelength to target the pigmentation selectively, leaving the surrounding areas undamaged. The laser machine has a unique feature, having the ultrashort picosecond pulses. With the ultrashort pulse duration, the laser stimulates laser-induced optical breakdown

(LIOB) of the tissues in the epidermis layer safely without heat injury to the dermis. 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.