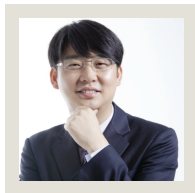


# PICOCARE 450



Bestop Clinic Dr. Min-ho Lee



**“ Dr. Min-ho Lee of Bestop Clinic decided to purchase PICO CARE because he trusts WONTECH’s technology shown in the excellent performance of Pastelle ”**

## 1. What is the reason that you choose PicoSecond or NanoSecond laser among pigment lasers?

The fractional tip of PICO CARE is MLA mode handpiece without little to no energy drop. It allows consistent energy level throughout irradiation. When not considering the fractional tip, PICO CARE has a lower risk of side effects compared to nanosecond lasers. In treating melasma, melanocyte damage is a key issue. The picosecond laser has close affinity to the SRT of melanin which prevents the shock waves from escaping the target tissue. This causes less damage to melanocytes and less pain during treatment. Clear improvement can be seen quickly and what I find particularly satisfying is that the risk of side effects is very low with dermal lesions. I am aware that there is controversy over its efficacy in Ota's nevus and ABNOM. Personally, the 1064nm or 755nm long pulsed laser or IPL may be more suitable in such cases. Therefore, I use PICO CARE in dermal lesions such as melasma and the long-pulsed laser in other types of pigmented lesions. PICO CARE has the advantage of emitting multiple wavelengths, however, I prefer the 1064nm in most cases. The Asian skin is susceptible to PIH at 532nm and the picosecond laser can still cause side effects although the risk is lower than with the nanosecond laser. I use particular caution with the fractional tip.

## 2. Indications outside pigmented lesions

Currently, I use PICO CARE in scar, pore and pigment treatments. The traditional fractional laser was effective but patients were often averse to the pain and downtime. I would say the level of pain with PICO CARE is only at about 30% of that with the traditional fractional laser. The downtime is also much shorter and patients feel more comfortable during and after the treatment.

The picosecond laser is particularly beneficial in scar treatment because it promotes collagenesis and skin tightening, which in turn improves pores as well. To isolate the effect of the MLA fractional tip, I do not combine PICO CARE with other modalities in scar treatment. However, in melasma I prefer the combination therapy.

## 3. Advice on minimizing side effects

With a shorter pulse duration, adjusting by only 0.1J changes the output density much more drastically than with the nanosecond laser. Caution is needed as the energy level might be raised too much by mistake. The fractional tip lowers the output and increases safety. This necessitates a higher number of treatments but I think this is a small price to pay to avoid side effects.

## 4. Why do you recommend PICO CARE?

Considering that the Nd:YAG laser continuously performs well over a decade, the picosecond laser may be a good investment in the long run. The trends are moving towards picosecond and even femtosecond and the picosecond laser will eventually become a standard. If it is something that you have to purchase eventually, it would be better to have it earlier so that you can get an advantage over others.

