

Skin Rejuvenation Using PicoWay(730nm + 1064nm)

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Abstract

The PicoWay® is a picosecond laser that incorporates a novel 730 nm wavelength in addition to 532 nm and 1064 nm. It obtains its high peak power through extremely short pulse durations, resulting in treatments that cause minimal damage to skin tissues due to the strong photoacoustic effect. In addition to treating benign pigment diseases such as solar lentigines, seborrheic keratosis and dermal melanocytosis, I actively use a combination of low fluence 730 nm and 1064 nm wavelengths for skin rejuvenation. At 730 nm, active color tones including solar lentigines and freckles are improved. Meanwhile, at 1064 nm, with its lower melanin absorption and higher depth compared to 730 nm, we can expect improvements not only in melasma and post-inflammatory hyperpigmentation but also in pores and fine wrinkles. With almost no downtime, unevenness in color tone and texture is eliminated with each successive treatment. While it may be necessary to consider an even more optimal irradiation method in the future, the current results are generally positive and patient satisfaction is high. From my personal standpoint, this method may serve as a safe and effective new approach to skin rejuvenation.