

Dr. Saracoglu graduated from Medicine Faculty of Istanbul University in 1988. He started his career in an intensive care unit at the International Hospital, Istanbul. He specialized in dermatovenerology at the Vakif Gureba Hospital in Istanbul. His main interests include dermatologic surgery, dermatologic laser procedures, skin surface microscopy and laser gynecology procedures. Dr. Saracoglu is the founder of Estethica Medical Center in Istanbul.



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Xanthelasma Removal with Er:YAG Fractional Treatment

Serafettin Saracoglu

Parameters:

Laser source:	Er:YAG (2940 nm)
Scanner:	F-Runner
Fluence:	110-120 J/cm ²
Coverage:	20%
Pulse duration:	MSP

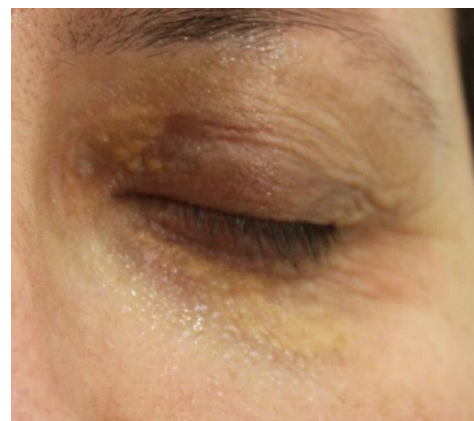
Treatment procedure:

Xanthelasma is a benign fat deposit usually formed around the eyes, which mainly represents an aesthetic problem without any health concern. Laser treatments provide a minimally invasive option for treating xanthelasma compared with conventional surgical procedures. Er:YAG ablative lasers have been widely used for successfully treating xanthelasma, and recently, a fractional Er:YAG treatment was introduced that additionally shortens the healing process and reduces the side effect of the laser treatment.

An Er:YAG fractional scanner was used to treat a 46-year-old female patient with xanthelasma that persisted for several years on both eyes in the upper and lower eyelids. Three sessions with four weeks interval, allowing sufficient healing time during the treatment, was performed to completely remove the xanthelasma. Topical anesthetic cream was used to reduce the pain. The post-operative recovery time lasted for 4 days.



Before treatment



After treatment



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