



Case report:

Treating melasma with Q-Switched LASER and associations

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This is a case report provided by the dermatologist Fabíola Azevedo G. L. Leme, from Jundiaí, SP, Brazil, using the ETHEREA-MX® platform with the ACROMA-QS® handpiece.

- ▶ Melasma is a pigmentary disturbance of the skin that affects women more frequently and can be triggered by a genetic predisposition, hormonal changes, pregnancy, use of oral contraceptives and, principally, exposure to the sun.
- ▶ Various treatments are described in the literature, including Q-Switched LASER, which appears as a safe and effective option.
- ▶ This type of LASER, which works in nanoseconds (very fast pulses with high energy), produces mechanical photodisruption of the pigment and acts on the melanocyte dendrites, without a large thermal effect, making their phagocytosis by the organism possible.
- ▶ The ACROMA-QS® handpiece, which is compatible with the ETHEREA-MX® and ZYE® platforms, works with 20 ns pulses and wavelengths of 1064 nm and 532 nm. With various spot sizes, it is possible to choose less aggressive parameters, which are ideal for treating melasma.

SPOT	ENERGY
1064 nm - 7 mm	1200 mj

Associated with black peel. Patient using a night formula (retinoic acid 0.01%, tranexamic acid 5%, nicotinamide 4%, vitamin C silk 10%), picnogenol 100 mg orally and sunscreen.



Before and after - 5 sessions, interval of 3 to 4 weeks