



Case Report:

Q-switched LASER to treat nevus on the back.

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White paper case report described by dermatologist Valeria Taborda, from Bauru, SP, Brazil. Dr. Taborda used the ETHEREA-MX[®] platform with the ACROMA-QS[®] handpiece.

Therapy:

- ▶ ACROMA-QS[®]: LASER featuring 2 Nd:YAG RODs with wavelengths at 1064 nm and 532 nm.
- ▶ Q-switched LASERS have been referenced in literature as a tool for the therapeutic approach of several unaesthetic lesions of pigmented origin.
- ▶ By using a short pulse time (nanoseconds), it allows for a light-and-tissue photomechanical interaction, that is, a high-power mechanical disruption of the melanin pigment, but with little thermal damage
- ▶ In the given case, the chosen wavelength of 532 nm allowed treatment of the nevus, even with a progressive decrease in the amount of pigment, up to satisfactory extent.
- ▶ Treatment sessions were carried out, with increased power following lesion whitening:
3 mm spot, 532 nm, 600 mJ, 5 Hz
3 mm spot, 532 nm, 900 mJ, 5 Hz
Last sessions:
3 mm spot, 532 nm, 1200 mJ, 5 Hz.



Image 1: Pretreatment evaluation.



Image 2: Result after 22 sessions using ACROMA-QS[®].

ACROMA-QS[®] is a LASER that works in QS, with fixed pulse time at 20 ns, thus delivering a great amount of energy in a short period of time (photoacoustic effect). Its spots feature wavelengths at 1064 nm and 532 nm, thus allowing for a greater treatment amplitude. It also features 2 LASER RODs for greater power. Recommended for toning, tattoo removal, pigmented lesions and melasma treatments.