



## 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<sup>®</sup> platform with the ACROMA-QS<sup>®</sup> handpiece.

### Therapy:

- ▶ **ACROMA-QS<sup>®</sup>:** 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<sup>®</sup>.

ACROMA-QS<sup>®</sup> 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.**