



Case Report:

Tattoo removal combining Q-Switched LASER and SCULPTOR CO₂

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This is a white paper case report described by the dermatologist Dr. Célia Kalil, from Porto Alegre, Rio Grande do Sul, Brazil. Dr. Kalil used a combination of the ACROMA-QS[®], ETHEREA-MX[®], and SCULPTOR CO₂[®] technologies.

Treatment:

- ▶ Tattoos are one of the best-known forms of body modification in the world. They are permanent art on the skin and technically consist of a dermic application that is frequently done at the subcutaneous level.
- ▶ ACROMA-QS[®]: LASER with two Nd:YAG rods, with waves measuring 1064 nm and 532 nm.
- ▶ Q-SWITCHED LASER is one of the most frequently used procedures to remove tattoos.
- ▶ ACROMA-QS[®] Nd:YAG Q-SWITCHED (1064 nm): produces rapid pulses, breaking up the pigments, which will be expelled by the immune system.
- ▶ SCULPTOR CO₂ is an ablative fractional CO₂ LASER that produces micro-zones of vaporization and coagulation in the skin.
- ▶ The combination of the ACROMA-QS[®] and SCULPTOR CO₂ technologies allows the pigments that are fragmented by the ACROMA-QS[®] to be expelled through the channels created by the SCULPTOR CO₂, thereby reducing the number of sessions and preventing scars.

1st through 3rd treatment sessions:

ETHEREA-MX[®] ACROMA-QS[®] 1064 nm spot 7 mm 600-1200 mJ 5.0 Hz
SCULPTOR CO₂ spot 300 mm, Random mode, Interval 0.3 s, Energy 100 mJ,
Density 100 mtz/cm² and spot 800 mm, Brush mode, Energy 40 mJ, Fre-
quency 200 mtz/cm².

4th through 5th treatment sessions:

ETHEREA-MX[®] ACROMA-QS[®] 1064 nm spot 5 e 3 mm 1.200 - 1.500 mJ
SCULPTOR CO₂ spot 800 mm, modo Brush, Energy 40 mJ,
Frequency 200 mtz/cm².

6th through 7th treatment sessions:

SCULPTOR CO₂ spot 800 mm, modo Brush, Energy 40 mJ,
Frequency 150 mtz/ cm²



Imagem 1: Pretreatment evaluation.



Img 2: After seven sessions.



Img 3: Follow-up two years after completion of treatment.