



Case report:

Unaesthetic papular lichen planus and tattoo on the scalp treated with IPL-Sq® and Q- Switched LASER

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This is a case report provided by the dermatologist Stela Cignachi, from Caxias do Sul, RS, Brazil, using the ETHEREA-MX® platform with the ACROMA-QS® and IPL-Sq® handpieces.

- ▶ Papular lichen planus is a benign, inflammatory disease that causes inflammation in the follicular area of the scalp that is responsible for renewing hair, thereby destroying it. This causes the replacement of the follicle by a scar, leading to no further hair growth in the affected region.
- ▶ It is common to use a tattoo to hide a scar, but this practice does not always lead to an aesthetically acceptable result.
- ▶ In the case described, the patient sought the treatment to remove the remaining hair on the scalp, as well as the removal of tattoos done earlier in an effort to hide the scars and lack of hair caused by the lichen.
- ▶ The ACROMA-QS® handpiece, which is compatible with the ETHEREA-MX® and ZYE® platforms, works with pulses of 20 ns and 1064 nm and 532 nm wavelength, making it an effective tool in seeking to reduce the quantity of tattoo pigment color.
- ▶ The IPL-Sq® handpiece, which is also compatible with both platforms, has a square pulse (Square-Wave Pulse®), a wide range of pulse times (5 – 100 ms) and 640 nm and 695 nm filters (among others) that allow effective and safe hair removal.

| HANDPIECE | SPOT/FILTER | ENERGY/FLUENCE | PULSE TIME |
|------------|--------------|----------------|------------|
| ACROMA-QS® | 1064 nm 3 mm | 600 mj | 20 ns |
| IPL-Sq® | 640 nm | 20 J/cm2 | 20 ms |

Use of InfraRed LED after each session. Interval: 30 days



Before and after (1 year) – 9 sessions