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QX MAX in Accelera Mode for Treatment of Cherry Angioma

Zdenko Vizintin

Parameters:

Laser source:	Accelera Nd:YAG (1064 nm)
Fluence:	140 J/cm ²
Spot size:	2 mm
Pulse duration	250 µs
No. of shots	5

Treatment procedure:

Cherry angiomas are the most common vascular lesions, characterized as cherry red papules on the skin and consisting of an abnormal proliferation of blood vessels. They appear spontaneously in many people and although painless and harmless, many people desire to remove them for cosmetic reasons.

In order to test the effectiveness of the Q-Switched 1064 nm Nd:YAG laser in Accelera mode on small vascular lesions, a cherry angioma was treated with a QX-MAX laser (Fotona, Slovenia). After five shots with a fluence of 140 J/cm², coagulation of the blood vessels was observed and the lesion started to fade. A similar effect is also observed with long-pulsed Nd:YAG lasers, which represent the common laser treatment for vascular lesions. One month after the treatment, a complete removal of the cherry angioma was observed with no adverse effects.

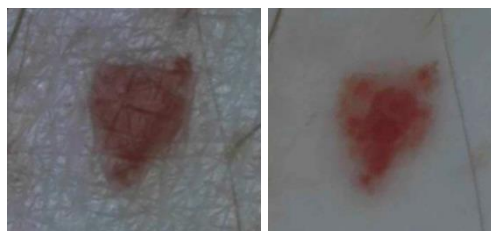
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Dermoscopic non-polarized (left) and polarized (right) appearance of the lesion before the treatment.



Dermoscopic non-polarized (left) and polarized (right) appearance of the lesion immediately after the treatment.



Before

14 days after

25 days after

1 month after