



Case Report:

ZYE YAG® 1064 nm in the Treatment of Vascular Lesions on the Face

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This is a case report provided by the vascular surgeon Dr. Carlos Eduardo de Freitas Jorge, from Belo Horizonte, MG, Brazil, using the **ZYE YAG®** platform at 1064 nm with the **3-10/VL** handpiece.

- ▶ The treatment of vascular lesions on the face is generally more complicated and must be more carefully evaluated than that of vascular lesions on the extremities. On the face, for example, the use of sclerotherapy can cause a reflux of the sclerotherapy agents into the arterioles, potentially resulting in serious complications, such as necrosis in certain areas. Greater benefits such as electrocoagulation are described in the literature, but even with this technology, adverse side effects can appear on the skin because of the low level of selectivity for blood vessels.
- ▶ The use of LASER 1064 nm has been broadly indicated for photothermolysis, or in other words, the selective absorption of light by hemoglobin and relatively low absorption by melanin, thereby ensuring protection for the surrounding skin and tissue.
- ▶ **ZYE YAG®** LASER technology at 1064 nm, together with the **3-10/VL** handpiece, with sapphire window cooling (**COOL-&-CLEAR®** system), allows transdermic treatment of veins on the face and extremities, with the specificity necessary to ensure safe results.

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| HANDPIECE/SPOT 3-10/VL 5 mm | HANDPIECE/SPOT 3-10/VL 6 mm |
| FLUENCE/ENERGY 80 J/cm ² | FLUENCE/ENERGY 60 J/cm ² |
| PULSE TIME 20 ms | PULSE TIME 20 ms |
| TWO SESSIONS | |



Before and after / two treatment sessions with ZYE YAG® 1064 nm