

# Diode laser treatment of venous lake of the lip

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## Key Clinical Message

The diode laser promotes regression of the small venous lake of the lip by forced dehydration with induced photocoagulation of the lesions, with an uneventful post-operative course and anesthetic sequelae.

## KEYWORDS

dehydration, diode laser, lip venous lake, photocoagulation, vascular malformations

When a diagnosis of venous lake of the lip is reached (Figure 1), the problem of preventing unesthetic sequelae after therapy arises.<sup>1-3</sup> As showed in the video-illustration (video S1), the diode laser is used in absolutely safe way to promote forced dehydration with induced photocoagulation of the vascular malformation. The diode laser, with a wavelength of 980-nm, is used by defocused irradiation mode with an output of 3 watt in continuous wave until the lesion undergoes a chromatic variation from dark purple to light gray.<sup>4,5</sup>



**FIGURE 1** Venous lake of the inferior lip of small dimension

Postoperative course was uneventful; a partial regression is observable after 7 days, while the complete healing has been achieved after 20 days without unesthetic scar.<sup>6</sup>

## CONFLICT OF INTEREST

None declared.

## AUTHORSHIP

SC and GF: involved in the surgical procedure. LL: prepared the manuscript. AT: reviewed the literature. EM: revised the manuscript.

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## SUPPORTING INFORMATION

Additional supporting information may be found online in the Supporting Information section at the end of the article.

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