The Future of Treatment for Capillary Malformations

El futuro del tratamiento de las malformaciones capilares

The introduction of pulsed dye laser (PDL) therapy was a turning point in the treatment of capillary malformations. PDL is now considered the gold standard for the treatment of these lesions. However, because of the difficulty of eliminating smaller-sized vessels and vessels located at different depths, sufficient clearance is not achieved in most cases.\(^1\)

Thanks to the evolution and development of laser technology, we now have access to long-pulsed 1064 nm Nd:YAG lasers, which can be used alone or in combination with PDL. The study by Alcántara-González et al. demonstrates a benefit that, if not definitive, at least indicates significant improvement in the clearance of capillary malformations with sequential dual-wavelength pulses from a 595 nm PDL and a 1064 nm Nd:YAG laser. In the near future, thanks to various combinations of lasers and intense pulsed light as well as antiangiogenic drugs, we will be able to achieve better results, if not the complete elimination of capillary malformations.

Reference


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