




longpulse

EXPANDED TECHNOLOGY
FOR YOUR WHOLE PRACTICE

Short/long-pulsed Nd:YAG 1,064 nm LASER



LONGPULSE®

EXPANDED TECHNOLOGY FOR YOUR WHOLE PRACTICE

VASCULAR LESIONS WITH LONGPULSE®

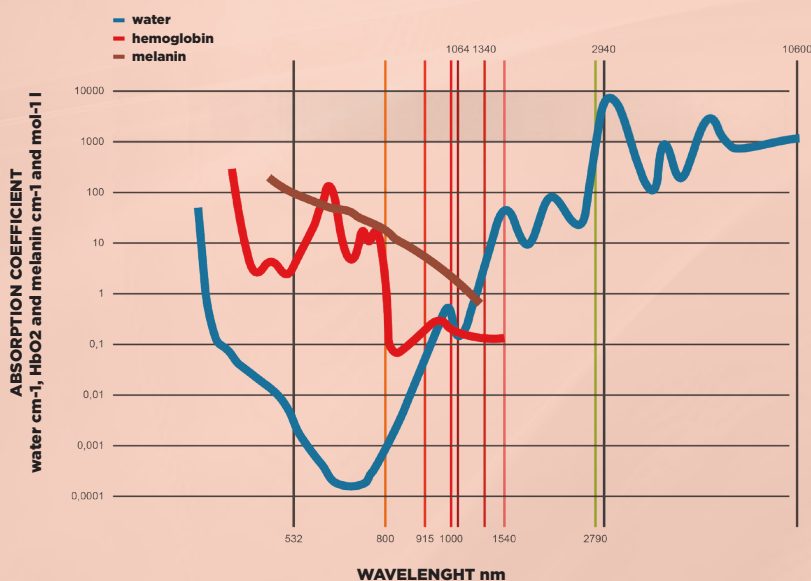
Introducing the most advanced technology for non-invasive removal of deep and superficial vascular lesions of the face and lower limbs. LONGPULSE® combines the perfect synergy of wavelength, duration and pulse energy density, ensuring and complete satisfaction.

THE PERFECTION OF THE WAVELENGTH.

With deep penetration of the LASER Nd:YAG at 1064 nm in the tissue and its respective absorption by hemoglobin the result is a uniform and constant distribution of energy, guaranteeing effective treatments, even in deeper vessels. This effect also prevents the tissue adjacent to the lesion from being affected, ensuring the safety of the procedure.

THE TRUE LONGPULSE® LASER

Longer pulse times, variable up to 60 ms, result in prolonged heating of the treatment target, and increasing the internal temperature of the vessel while potentiating the selective damage of the endothelium. This translates into greater clinical efficacy and lower incidence of unwanted adverse effects.



The graph to the right shows the absorption of Nd:YAG LASER 1064 at the appropriate wavelength. In addition to the high penetration power in the tissue, the laser at 1064 nm is preferentially absorbed by hemoglobin, which guarantees safety and the correct peak of selectivity for the treatment.

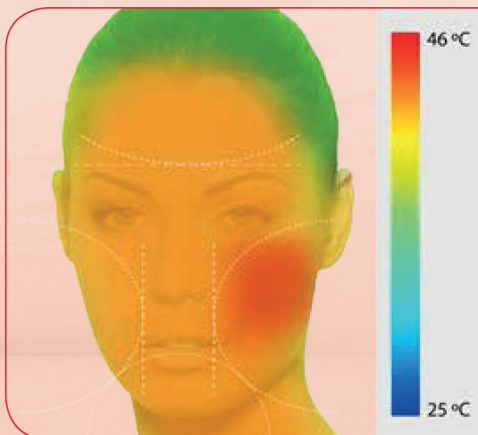
1064 LongPulse® LASER penetrates the tissue, where it is absorbed by hemoglobin. The heat generated by the absorption of energy warms the hemoglobin, resulting in coagulation and subsequent constriction of the vessel. The treated vessel degenerates, disappearing from the surface of the skin. The elimination of the waste material is carried out through the process of phagocytosis.

THE TECHNOLOGY FOR THE BEST RESULTS

With LASER tips of 2, 3, 6 and 9 mm in diameter and maximum fluence 500J/cm², LONGPULSE® offers a differentiated technology capable of treating vessels and veins of different sizes and depths, adapting to the specific treatment need.

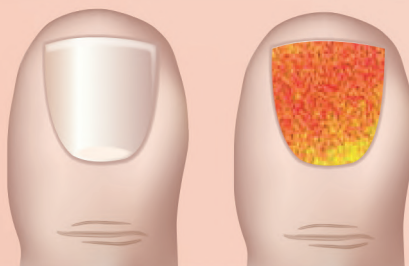
THERMAL PEELING WITH LONGPULSE DYNAMICS®

The Dynamics® technology built in to the LongPulse® handpiece brings a new therapeutic option for ETHEREA MX®, greatly enhancing the range of clinical and aesthetic applications. Dynamics® LongPulse® offers a range of unique benefits to patients, safely and effectively.



In addition to the widely diffused clinical performance for onychomycosis, Dynamics technology is also indicated for rejuvenation, acting gently in improving skin irregularities such as enlarged pores, light wrinkles, improves texture and also improves the cosmetic erythematous appearance in rosacea and other mild vascular lesions.

The LASER Nd: YAG short pulse at 1064 nm of Dynamics technology is optimal for the treatment of onychomycosis and was approved as an indication by the FDA in 2013.





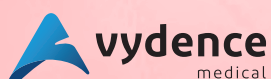
TECHNICAL SPECIFICATIONS

	LONGPULSE®
LASER WAVELENGTH	Nd:YAG 1064 nm
AVAILABLE SPOTS SIZES	2, 3, 6 & 9* mm
MAXIMUM ENERGY	500 J/cm ²
PULSE WIDTH	0.3 to 60 ms
INTEGRATED COUPLING PLUG SYSTEM	air-cooling sytem adapter available
MODE OF OPERATION	LONGPULSE, DYNAMICS
REPETITION RATE	up to 10 Hz

*opcional

This product may not be commercially available in all countries. Please, contact us in case of any doubts. VYDENCE® reserves the right not to market the product in countries with which it has no authorized distribution and/or legal certification from the appropriate regulatory agencies.

CDP-LPL-002 PRODUCT BROCHURE enGN R1.5 2021. IMAGES ARE MERELY ILLUSTRATIVE.



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