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SUBDERMAL FRACTIONAL REJUVENATION

unique fractional non-ablative wavelength
for subdermal skin treatments



PRODEEP®

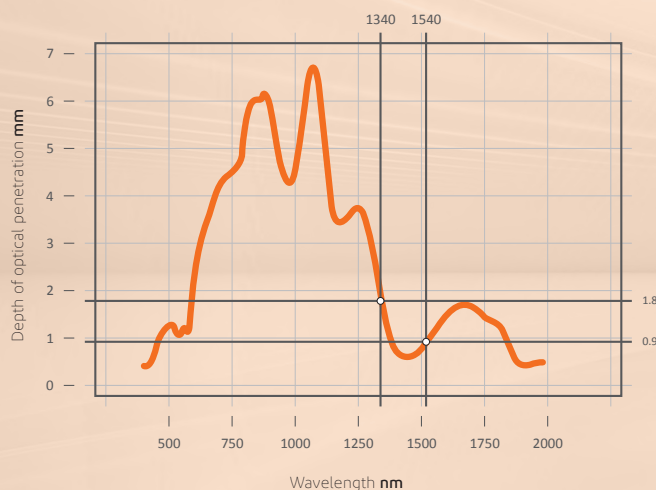
SUBDERMAL FRACTIONAL REJUVENATION

ProDeep® introduces the latest generation LASER offering your practice a unique technology for non-ablative fractionated rejuvenation. ProDeep® acts on the subdermal layers of the tissue and stimulates collagen at depth, effectively reducing mild to moderate wrinkles, various stretch marks and scars.

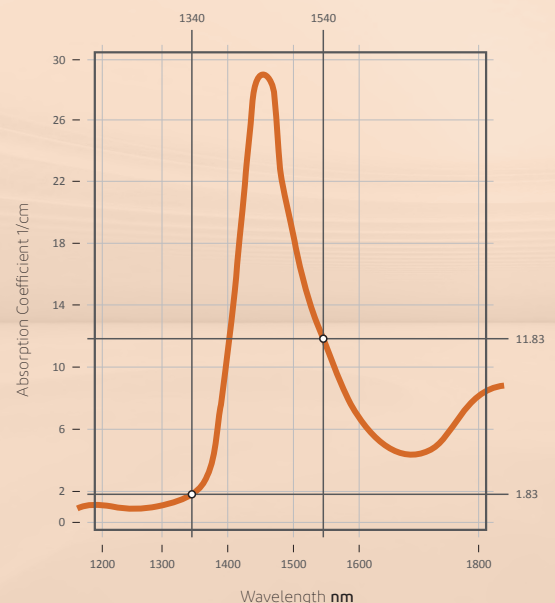
PRODEEP® LASER

The deep penetration of the LASER into the tissue assures treatments with greater clinical effectiveness. The relationship between applied energy density and ProDeep® technology increases the impact of the LASER on collagen,

giving a new skin appearance, firm and well delineated. Compared to traditional technologies, ProDeep® LASER penetrates at depths up to 9 times greater than other technologies.



A N Bashkatov, E A Genina, V I Kochubey, V V Tuchin.
Optical Properties of Human Skin, Subcutaneous and Mucous Tissues in the Wavelength Range from 400 to 2000 nm.
Published at Journal of Physics D: Applied Physics.



G M Hale, M R Querry.
Optical Constants of Water in the 200 to 2000 nm Wavelength Region.

The graph above indicates the water absorption coefficient between the wavelength of 1340 nm (1.83) and that of 1540 nm (11.83). The following graph shows the comparison of the effective penetration between the same wavelengths. Note that the relationship between the penetration depth of the LASER is directly associated with the coefficient of water absorption: the lower this coefficient, the greater the penetration of the LASER in the tissue.

THE TECHNOLOGY THAT FITS YOUR CLINICAL PRACTICE.

The high energy dose applied by microscopic treatment zones (mtz), which generate greater intradermal heat in the subdermal tissue, combined with pulse durations of 3-20 ms, and fractional lense of 100, allows for a wide variation of intensity and treatments ensuring the best results.

THE BEST NON-ABLATIVE TREATMENT IN THE MARKET.

In addition to great results, visible early in the sessions, ProDeep® requires little or no recovery time.

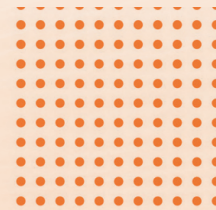
The treatments minimize side effects, complications and bleeding, increasing safety during the procedure. ProDeep® can be used successfully in body treatments on its own, or in combination with topical cosmeceuticals and other technologies.

PRACTICAL SAFETY AND



8 mm 100 mtz/cm²

8 mm and 100 mtz/cm²
ProDeep's fractional lens array with round-shape spot;



8 mm 100 mtz/cm²

ProDeep's square-shape spot with a 25% bigger treatment area for 8 mm and 100 mtz/cm²

In the image, the comparison between the total size of the application area and the optical quality of the beam generated by the fractured lenses of the ProDeep® handpiece. On the right, the lenses in a square format, together with the 30% smaller size of the fractional microbeam offer a tangible differential compared to the previous model:

- In addition to the larger area of application, translated into a faster treatment, the square format of the spot considerably increases the usability and accuracy of the treatment;
- The reduced size of the fractionated microbeam increases the irradiance and depth of action as a function of the smaller total area, while providing even more safety and less pain due to the distance between the points.

THE LEGACY OF A TECHNOLOGY.

Widely used and approved by renowned physicians worldwide, the ProDeep® technology has an extensive history of treating with dozens of success cases that prove its effectiveness. In

EXPANDED CAPABILITY.

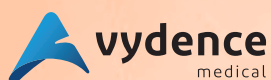
The new 8 mm square spot shape with 100 mtz/cm², ensures, greater visibility and coverage, enhancing safety during the procedure, and a better response. The technology of ProDeep®, has been providing effective treatments for many years, and is the top choice for many clinical practices all over the world.

In addition to Indications commonly found in clinical literature, ProDeep® continues to expand its range of therapeutic options to further optimize the return on investment for your clinical practice.

TECHNICAL SPECIFICATIONS

	PRODEEP®
LASER WAVELENGTH	Nd:YAP 1340 nm
AVAILABLE SPOT SIZES	6 mm, collimated lensing
	8 mm, 100 mtz/cm ² fractional lens array
MAXIMUM ENERGY	200 mJ/mtz
PULSE WIDTH	3 to 20 ms
INTEGRATED COUPLING PLUG SYSTEM	air-cooling sytem adapter available
REPETITION RATE	up to 2,5 Hz

These products and/or its stated treatments indications described in here might not be available in all territories/countries. Please, contact VYDENCE for any inquiries regarding this matter. VYDENCE reserves the right not to sell this product in territories/countries where it has no authorized distribution and/or marketing authorization by the relevant competent authorities.



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