

High Intensity Laser therapy

Indications and applications fields

The applications fields that can profit from using the High power laser therapy are the following:

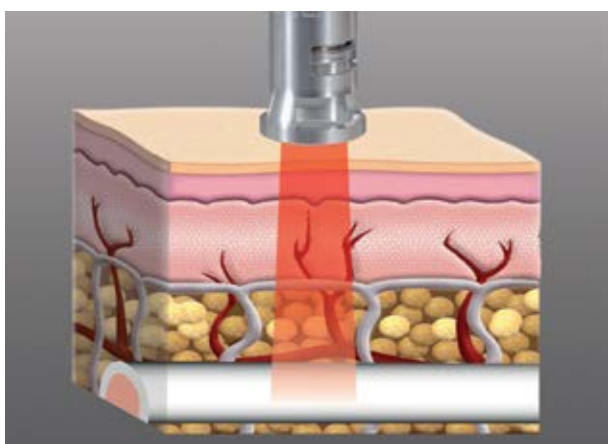
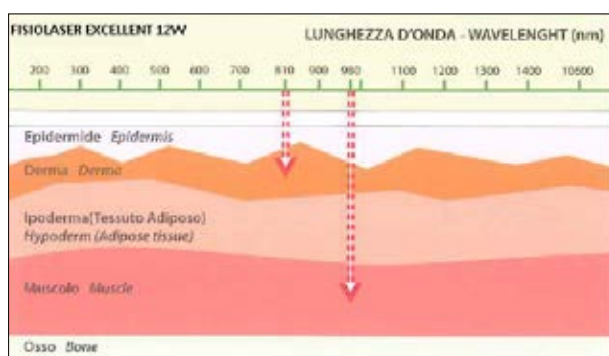
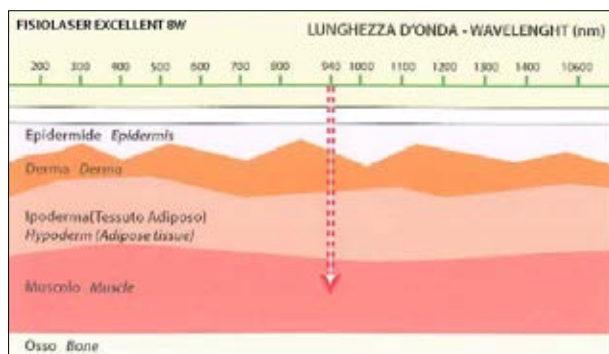
- **Sports traumatology:** Extensions and muscular strains, Articular distorsions, Epicondylitis, Tendinitis and enthesitis, Contusions, Hematomas bruises, Bursitis
- **General medicine and dermatology:** Decubitus ulcers, cheloids, torpid sores for its well known bio.stimulating and anti-infectious effects.
- **Arthro-rheumatic pathology:** Arthrosis, Sciatica, Scapular and humeral periarthrits, Arthropathy of hands and feet, Epicondylitis, Hip arthrosis at its initial stage, gonalgia with or without effusion, Myogenic stiff neck, Lumbago, Myositis, etc.
- **Rehabilitative therapy:** Articular motor rehabilitation after removing plaster apparatuses or after orthopaedic surgical operations.



The advantages of high power laser therapy

The applications of the FISIOLASER EXCELLENT 8W and 12W produce a number of effects on the treated tissues: Increase in hematic flow: vasodilatation of capillaries and arteries; Biostimulation: tissue regeneration, stimulation of the protein synthesis, stimulation of the production of ATP, stimulation of the fibroblast mitosis, increase in collagen and elastin; Anti-inflammatory effect; Anti-edematous effect, with stimulation of the lymphatic system; Analgesic effect: increase in the perception threshold of nerve endings.

Wave lengths between 810nm and 980nm are absorbed differently by the underskin layers of the human body and these are the ones that general clinical experience gives the best results in the therapeutical field, when treating pain and inflammatory pathologies of the muscles, tendons and bones. Thanks to the high power produced in both versions proposed, clear results can be obtained after few sessions by stimulating deep layers of the tissue favouring a quick and spread regeneration of the cells. It is possible to achieve a stimulus of the deep layers of tissue, and this allows the treatment of the tissue and innermost structures (as for example the femur articulation) and other chronic pathologies as arthritis. This type of treatment with high power is very recommendable as it is often a solution when dealing with serious swellings, chronic and degenerative as for example knee arthritis.



EXCELLENT

2

EL12086 FISIOLASER EXCELLENT 8W

High power laser working with a single wave length of 940nm. With its peak power is possible to supply up to 8W making sure a therapeutic action as an impressive regenerative stimulation in chronic pathologies, in the acceleration of the inflammation resolution and of the edema in acute pathologies as well as the rapid resolution of painful articular, muscular, neurogenal and soft tissue syndromes.



EL12087 FISIOLASER EXCELLENT 12W

High power (12W) fibre optic laser therapy equipment. It's a laser system with two length (810nm + 980nm), providing max power output of 12W, in continuous and pulsed modes. 808nm wave length has a great penetration in tissues, and allows the best bio-stimulation effect. 980nm wave length with its good level of water absorption, produce a good local antalgic effect.



TECHNICAL FEATURES

Power supply:		230 Vac, 50-60Hz, ±10%
		115 Vac, 50-60Hz, ±10% (on request)
Maximum power absorbed by the net:	FisioLaser 8W	70 VA
	FisioLaser 12W	75 VA
Interlock key:		3-pole contacts
Max power:	FisioLaser 8W	8W ± 20%
	FisioLaser 12W	12W ± 20%
LCD back-lit display:		320 x 240 pixel TOUCH SCREEN
Wavelength:	FisioLaser 8W	940 nm
	FisioLaser 12W	808 nm / 980 nm
Laser classification:		IV
Selectable percentage of emitted power:		10% - 100%
Emission frequency:		100 Hz – 10000 Hz
Pulsed mode:		10% - 100%
Classification 93/42/CEE:		IIB
Output channels		1
Class of isolation EN 60601-1:		I / BF
Protection level from the entrance of liquids EN 60601-1:		IPX0
Programmable treatment:		1-99 min
Stored protocols:		32
Storable protocols in user memory		200
Storable protocols in smart card		200
Dimensions:		39x13x32 cm
Weight:		4,65 Kg

Standard Accessories

	Q.TY
Power cable	1
Fuses	2
Manual of therapies	1
Laser goggles	2
Interlock key	1
Distributor pedal	1
Pen for touch-screen display	1
Laser probe	1
Smart Card	1

Optional Accessories

- EL0001 PERSONAL SMART CARD
- EL0016 CARRY CASE
- EL12003 TROLLEY
- 02098 LASER PROTECTIVE GOGGLES



02098 LASER PROTECTIVE GOGGLES
Lens color green, VLT 45%.