



	iPLAM	GBOX	VELASII
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Type	PLAM-15A/B	GBOX-10B/F	GBOX-15A/B	GBOX-15AB	VELASII-30A/B/F
Wavelength	810nm/980nm	980nm/1064nm	810nm/980nm	810nm+980nm	810nm/980nm/1064nm
Maximum Power	15W	10W	15W	15W+15W	30w
Operation Mode	CW, Repeat Pulse	CW, Single Or Repeat Pulse			
Pulse Duration	1ms-10s	25µs-10s			10µs-3s
Repetition Rate	0.02Hz-500Hz	0.05Hz-20KHz			0.2Hz-20KHz
Pilot Beam	Red Diode Laser Of 650nm, Power<5mw				
Control Mode	Touch Screen, 3.5"	Touch Screen, 8"			
Dimension	102(H)*120(W)*280(L)mm	315(H)*215(W)*245(L)mm		200(H)*400(W)*385(L)mm	
Lifetime	Over 10000 hrs	Over 20000 hrs			
Warranty	12 months free warranty, 5 years technical support				
Weight	700g with Dock Battery	4Kg	12Kg		
Packing	Carry case with carton				

ABOUT INSTRUMEDIC

INSTRUMEDIC is specializing in the design, manufacture and sale of medical diode lasers and accessories. Our products cover some disciplines of human, dental and veterinary medicine. For each discipline, a broad range of high quality accessories is available.

We have a strong emphasis on research and development, production, service and training. Working in conjunction with hospitals and physicians is just as important as good communication.



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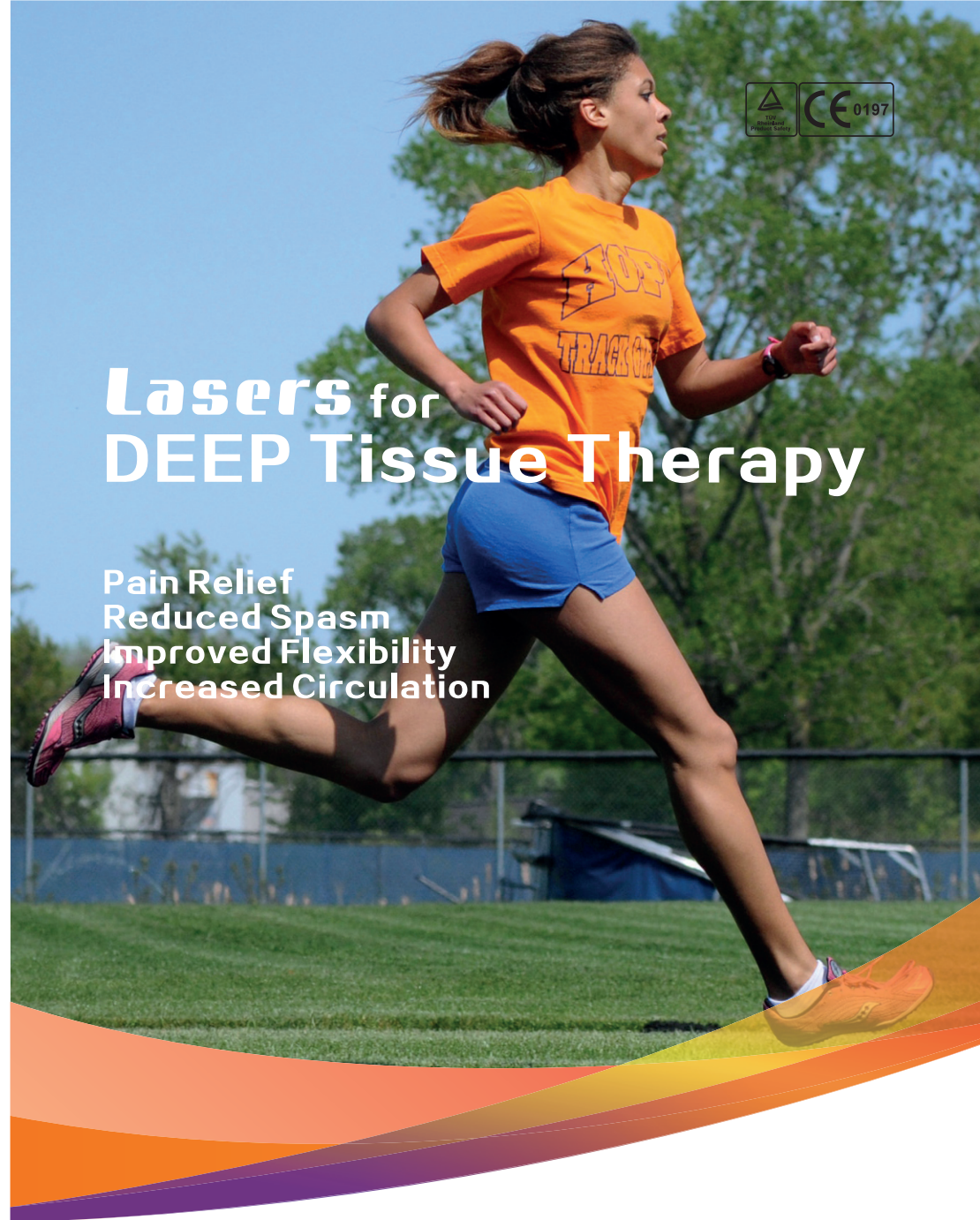
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Lasers for DEEP Tissue Therapy

Pain Relief
Reduced Spasm
Improved Flexibility
Increased Circulation

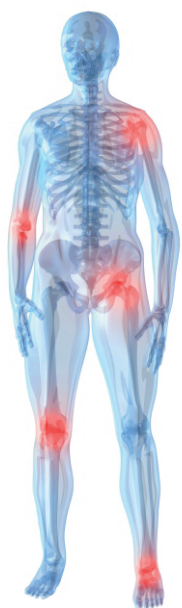


INTRODUCTION

Laser Therapy is used for the relief of pain, to accelerate healing and decrease inflammation. When the light source is placed against the skin, the photons penetrate several centimeters and get absorbed by the mitochondria, the energy producing part of a cell. This energy fuels many positive physiological responses resulting in the restoration of normal cell morphology and function. Laser Therapy has been successfully used to treat a broad range of medical conditions, including musculoskeletal problems, arthritis, sports injuries, post-surgical wounds, diabetic ulcers and dermatological conditions.

The central goal of laser therapy is to stimulate the cell to perform its natural functions, but at an enhanced rate. Targeted in hemoglobin and cytochrome c oxidase, the high power diode laser could help the respiration and then in result have a good performance therapy. In sharp contrast to "Cold lasers" which provide no feeling or sensation, high power diode laser therapy will provide warm and soothing feeling.

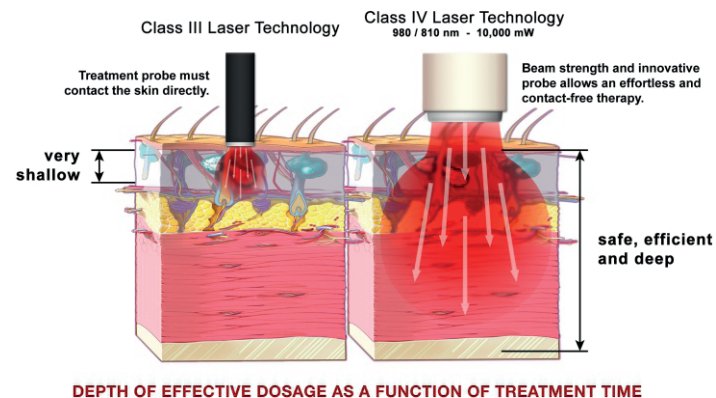
Unlike many pharmacological treatments that mask pain or only address the symptoms of disease, Laser Therapy treats the underlying condition or pathology to promote healing. This means that the treatments are effective and the benefits of Laser Therapy are long lasting.



What are the Benefits of Laser Therapy?

- Treatment is painless
- Highly effective for many diseases and conditions
- Eliminates pain
- Reduces the need for pharmaceuticals
- Restores normal range of motion and physical function
- Easily applied
- Non-invasive
- Non-toxic
- No known adverse effects
- No drug interactions
- Often makes surgical interventions unnecessary
- Provides a treatment alternative for patients that have not responded to other therapies

BIOLOGICAL EFFECTS



Anti-Inflammation

Laser therapy has an anti-edemic effect as it causes vasodilation, but also because it activates the lymphatic drainage system (drains swollen areas). As a result, there is a reduction in swelling caused by bruising or inflammation.

Anti-Pain (Analgesic)

Laser therapy has a high beneficial effect on nerve cells which block pain transmitted by these cells to the brain and which decreases nerve sensitivity. Also, due to less inflammation, there is less edema and less pain.

Accelerated Tissue Repair and Cell Growth

Photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and growth. The laser light increases the energy available to the cell so that the cell can take on nutrients faster and get rid of waste products.

Improved Vascular Activity

Laser light will significantly increase the formation of new capillaries in damaged tissue that speeds up the healing process, closes wounds quickly and reduces scar tissue.

Increased Metabolic Activity

Laser therapy creates higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells.

Trigger Points and Acupuncture Points

Laser therapy stimulates muscle trigger points and acupuncture points on a non-invasive basis providing musculoskeletal pain relief.

Deep tissue therapy handpiece



TW handpiece



Biostimulation handpiece



Physical therapy belt

