



Bringing Innovation Closer To You

Heal With Light

The power of light for Diabetic Wound Care Therapy



Application

Diabetic wound	Post-operative pain	Diabetic foot ulcers
Venous leg ulcers	Mucositis	Burns
Skin Infection	Onychomycosis	Verruce

Photobiomodulation (PBM), also known as low-level laser therapy (LLLT), can induce cell proliferation and enhance stem cell differentiation. Laser therapy is a non-invasive method that contributes to pain relief and reduces inflammation, parallel to the enhanced healing and tissue repair processes.

Cellular Stimulation

- ◆ Increased ATP Production
- ◆ Cell Proliferation and Migration
- ◆ Collagen Synthesis
- ◆ Anti-Inflammatory Effects
- ◆ Pain Relief

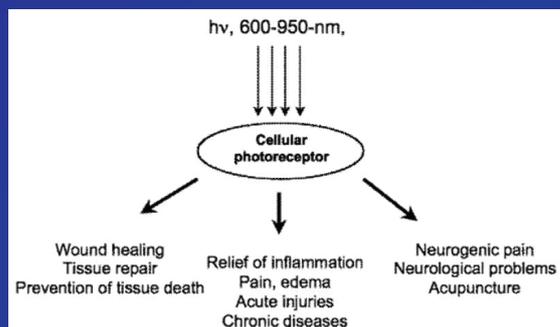
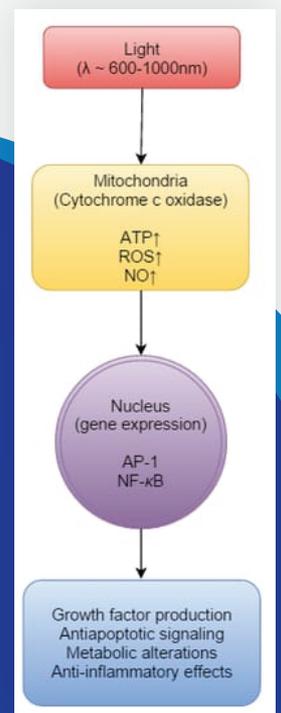


Fig. 1: Schematic representation of the main areas of application of LLLT (10)



SPECIFICATION

Laser types	Diode, Semiconductor
wavelength	810nm + 650nm
Max Power	7W + 500mW
Aiming Beam	650nm
Operating mode	Continuous & Pulse
Pulse Duration	50us -900ms
Beam Delivery	Fiber optic with SMA 905 connector
Emmision Initiation	Footswitch
Cooling System	Internal, air and thermoelectric cooling
Class of Medical Device	IIB
Laser Safety Class	Class-IV
Electric Safety Class	I type B

Advantages of Using IMDSL Laser

- ◆ Advanced technology with a powerful, lightweight portable device.
- ◆ Faster Wound Closure
- ◆ Improved Tissue Repair
- ◆ Reduced Scar Tissue
- ◆ Excellent Analgesic effect.
- ◆ Helps reduce pain and swelling
- ◆ Shortens recovery time
- ◆ Effective for treatment of both acute and chronic wounds and inflammations



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