



CUREWAVE

LASERS

Improve your quality of life.

For more information contact:

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The Biologic and Physiological Effects of the CureWave Laser System

The therapeutic use of light at wavelengths and power levels that do not cause any damage to the tissue have been termed Photobiomodulation (PBM). In actual fact, the therapeutic benefits of light have been recognized for over one hundred years. In the early 1900s after the invention of the electric light bulb, electric light baths became popular to treat a wide range of diseases. Next came heliotherapy or the therapeutic use of sunlight, and clinics were constructed in mountainous areas to expose people to the sun. In the 1960s with the invention of the laser, low-level laser therapy (LLLT) became the next method to apply light to the body. The newest category of lasers are High Intensity Laser Therapy (HILT).

Due to the optical properties of tissue, red and near-infrared wavelengths are considered to be optimum for penetration into tissue. Scientists are actively investigating the mechanisms of action of photobiomodulation at molecular, cellular, and tissue levels and new discoveries are still being made.

The CureWave Laser System has been carefully developed over several years and is designed to deliver a new level of laser energy to the body. CureWave's research has identified the ideal laser combination to benefit patients with a much stronger, deeper, broader and more consistent level of laser stimulus.

Physiological Effects of the Curewave Laser System:

- **Increases Vascular Activity:** The CureWave non-invasive laser induces temporary vasodilation increasing blood flow and oxygen to damaged tissue areas.
- **Anti-Inflammatory Action:** The CureWave non-invasive laser reduces swelling caused by bruising or inflammation of joints, which allows for enhanced muscle recovery and improved joint mobility.
- **Reduces Pain:** The CureWave non-invasive laser is particularly effective in reducing pain by causing the production of the bodies natural pain killer's endorphins and reducing reliance and/or the level of other pain medications.