How does LLLT Benefit Users?

- Relieves acute and chronic pain by stimulating the cells to produce their own endorphins.
- Increases the speed, quality and tensile strength of tissue repair
- Increases blood supply
- Stimulates the immune system
- Stimulates nerve function
- Develops collagen and muscle tissue
- Helps generate new and healthy cells and tissue
- Promotes faster wound healing and clot formation by stimulating cells to produce the production of two major healing enzymes. (Cytochrome a/a3 & Flavoprotein)
- Reduces inflammation
- Stimulates the production of ATP
- Stimulates lymphatic flow, helping to eliminate toxins and excess fluids from tissues.
- Stimulates detoxification within the cell.
- Relaxes muscles and muscle spasms
- Re-energizes cell membranes to allow transport of essential nutrients across cell walls (nutrients will not cross an injured or sick cell wall, thus slowing healing) allowing a healthy new cell to grow.

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Low Level Laser Therapy

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&
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Is LLLT For You?

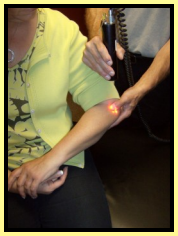
- **Do you suffer pain from an old sports injury or accident?**
- **Do you suffer from repetitive stress injuries such as carpal tunnel syndrome?**
- **Do you suffer form migraine headaches?**
- **Do you suffer from back pain?**
- **Do you ever wake up at night with pain?**
- **Do you have potential sub-dermal scarring or adhesions from recent surgery?**

If you answered "yes" to any of these questions, low-level laser therapy may be for you.

Since the laser can penetrate tissue we have found it to be effective in therapy to the organs. These include movement of the liver, pancreas, celiac nerve plexus (Solar Plexus), urinary bladder and inguinal hernia by the use of visceral manipulation in conjunction with LLLT. The laser light helps relieve tight bands that may be restricting organ movement.

LLLT is most popularly used for treatment of musculoskeletal disorders however it can also be used in assisting the body to heal a variety of pathologies including broken bones, organ issues, headaches and skin disorders. Therapeutic applications of LLLT have been helpful in alleviating many acute and chronic conditions can be eliminated or improved with laser use, including but not limited to:

Pain Relief
Wound Healing
Arthritis Pain
Migraine Headaches
Low Back Pain
Repetitive Stress Injuries
Carpal Tunnel Syndrome
Tendonitis
Fibromyalgia Symptoms
Sprains and Strains
Post-operative pain
Tennis Elbow
Golfer's Elbow
TMJ
Soft Tissue Injuries
Swelling
Burns



LLLT is effective because we can accurately target the area needing treatment

Where Can LLLT Be Used?

Low Level Laser Therapy may be used any place there is acute or chronic pain or inflammation. We will not use low light laser therapy on persons fitted with a pacemaker, patients who are pregnant, or patients with a history of cardiac arrhythmias or unexplained chest pain or people who suffer from epilepsy. We will always avoid the retina.

HOW DOES IT WORK?

The effects of low energy, Red and Infra-Red light are photo chemical (not thermal). Applied directly to the skin

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Absorbed in cytochromes & porphyrins within the mitochondria (cell engine) and at the cell membrane to stimulate energy (Adenosine Tri-Phosphate) at a higher rate. ATP is produced by absorbing glucose molecules converting them to energy. (Visible red light absorbed within mitochondria) (Infra-red light at the cell membrane)

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When enough ATP has been produced, cells divide and replicate

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Cells begin to participate in healing process and energized cells will rebuild the damaged area and heal the patient on a cellular level