

What is TerraQuant Low Level Laser Stim Therapy?

How it works. Therapeutic medical lasers heal tissue ailments by injecting billions of photons of visible and invisible laser light deep into tissue structures. Tissue naturally contains protein strands called chromophores and cytochromes located in the mitochondria of a cell, which have the unique ability to absorb laser light energy and transform it into chemical energy for the cell. This chemical energy is utilized by the tissue on a cellular level to significantly accelerate the healing process and reduce pain in the body naturally. This biochemical increase in cell energy transforms living cells from a state of illness (or *dis-ease*) to a stable and healthy state (at ease).

Applications of Laser Therapy. Laser therapy is commonly used to increase the speed and quality of tissue repair, improve the tensile strength of ligaments, resolve inflammation, relax muscles, and provide pain relief. **The MR4 Super Pulsed Laser is the world's first FDA cleared laser therapy and E-Stim device, LaserStim with TARGET Technology (Treatment Area Recognition and Guidance Enhanced Technology).**

- ◆ *Rapid Cell Growth* – Laser light accelerates cellular reproduction and growth.
- ◆ *Faster Wound Healing* – Laser light stimulates fibroblast development and accelerates collagen synthesis in damaged tissue.
- ◆ *Anti-Inflammatory Action* – Laser light reduces swelling caused by bruising or inflammation of joints to provide enhanced joint mobility.
- ◆ *Reduced Fibrous Tissue Formation* – Laser light reduces the formation of scar tissue following tissue damage from: cuts, scratches, burns, or post surgery.
- ◆ *Increased Metabolic Activity* – Higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells and thus greater production of the basis food source for cells, Adenosine Tri-Phosphate (ATP).
- ◆ *Increased Vascular Activity* – Laser light induces temporary vasodilation increasing blood flow and oxygenation to damaged areas.
- ◆ *Stimulated Nerve Function* – Slow recovery of nerve function in damaged tissue can result in “dead” limbs or numb areas. Laser light speeds up the process of nerve cell reconnection to bring the numb areas back to life.

SOFT TISSUE INJURIES

Tendinopathies Sprains, Strains Back and Neck Pain Repetitive Strain Injuries
Carpal Tunnel Syndrome Chondromalacia Patellae Myofascial Trigger Points Plantar Fasciitis
Lateral Epicondylitis (Tennis Elbow)

DEGENERATIVE JOINT CONDITIONS

Rheumatoid Arthritis Osteoarthritis

NEUROGENIC PAIN

Herpes Zoster (Shingles) Trigeminal Neuralgia Fibromyalgia
Chronic Fatigue Syndrome Post-traumatic Injury Diabetic Neuropathy

CHRONIC NON-HEALING WOUNDS

Venous Ulcers Diabetic-Foot Ulcers Amputee Stumps
Burns Hematoma

Facts About Laser Therapy:

- ◆ Pain Free Non-Invasive No Known Side Effects
- ◆ Proven Clinical Results FDA Cleared Treatment

After having Laser Therapy, a patient of ours had this to say:

“I’ve had migraine headaches since I was 16 yrs old. I also suffer from insomnia, reflux, heartburn, & upset stomach as well as cramps in my hands from arthritis. Since the first laser treatment, I’m sleeping all night & haven’t had a headache. I no longer have heartburn or reflux, & I have lots of energy. I can see a whole new world opening up for me.” —Lisa C.

Call us today or visit www.doccfcc.com and let us help you. Yours in health, Dr. Lyon