

HEALTH

Laser Therapy for Pain & Healing

Why CLASS IV Laser Therapy?

The number of calls we received after our last month's article "So You Have a Shoulder Problem?" was published caught us quite by surprise. We weren't surprised about the amount of calls, but by the amount of calls that were asking about other conditions and injuries that the K-Laser was able to treat. Therefore, instead of writing another article on one condition, we decided to focus on The K-Laser itself, how it works and what conditions and injuries it treats.

The first question is, "What is The K-laser?" The K-laser is the only class IV therapeutic laser on the market today and we have the only one in Northern California. The K-laser is a revolutionary medical therapeutic laser that utilizes dual gallium aluminum arsenide lasers specifically engineered for the highly therapeutic near-infrared wavelengths. These wavelengths have significant unique properties for **cell stimulation and pain suppression**. The K-laser is a medical breakthrough therapeutic device with unparalleled applications and treatment outcomes and it's the strongest therapeutic laser available.

The primary biological action of K-laser results from stimulation of cellular transport mechanisms, in the mitochondria, cell membranes and epithelial tissues. This action causes the release of vasodilating chemicals, the stimulation of DNA and RNA (Building blocks) synthesis, an increase in enzyme production, an increase of superoxide dismutase activity, normalization of tissue pH, and increased ATP production. The increase of vasodilation (blood supply) and improved microcirculation will increase the supply of cellular nutrition

promoting tissue repair and remodeling (which means you heal faster). Significant reduction in edema (swelling) is also noted.

The ancient Egyptian and Greek civilizations used light in various forms for healing. With recent advances in the engineering of devices and the development of appropriate protocols for effective therapeutic application, dramatic benefits and treatment of many complex conditions have been achievable. The most important to most is the reduction of chronic and acute pains.

The Laser Therapy works by converting light into biochemical energy, resulting in normal cell function, which causes symptoms (PAIN) to disappear. Aside from the gradual elimination of inflammation, various degrees of scar tissue, and osteophytes (bone spurs) at all levels, there appears to be little question that the K-laser reduces pain.

In our clinic, we perform laser treatments on patients weekly and our significant improvement rate is approximately 90 percent.

How is the treatment done? The laser is placed in contact with the skin allowing the photon energy to penetrate tissue, where it interacts with various intracellular biomolecules resulting in the restoration of normal cell function. This also enhances the body's natural healing processes. In essence, light energy is converted into biochemical energy. The result = equals normal cell functions are restored. The process results in a disappearance of symptoms..

At The Laser Therapy Center and Chiropractic Office, we use the laser approach for the management of pain. However when you read the research and see the clinical trials, many conditions respond to the laser therapy. At the LTC, we focus on pain reduction, but there are other advantages, physiological effects, short term and long term effects listed below as well as on our web site: www.LT4PAIN.COM

The Advantages Of Laser Therapy:

- Non-invasive
- Non-toxic
- Easily applied
- Highly effective
- Success rate > 90%
- No known negative side effects

Physiological Effects Of Laser Therapy: Short Term Effects

- Production and release of beta-endorphins (these are morphine like sub-

stances naturally produced by various cells in the body that inhibit the sensation of pain)

- Cortisol production is increased (cortisol is the precursor of cortisone). This enables the body to combat the stress associated with trauma or the disease process

Long Term Or Cumulative Effect:

- ATP (adenosine triphosphate) production is increased resulting in improved cellular metabolism
- DNA (deoxyribonucleic acid) production; protein building block of tissue is substantially increased
- Neurotransmission is facilitated due to elevated levels of serotonin and acetylcholine
- Mitochondrial activity is stimulated resulting in cell replication etc. (i.e. replacement, regeneration and repair of abnormal cells)
- Angiogenesis (formation or sprouting of new blood vessels)
- Regulates cell membrane potential, essential ion transfer (electrolyte balance)

Other Effects

- The immune response is stimulated

- Lymphatic drainage is improved
- Production of growth hormone is increased
- The body's natural healing processes are enhanced

The beneficial physiological changes noted above are the result of tissue regeneration and cellular stimulation. When you visit our website for more information, you will notice that we, at LTC, focus on reduction and elimination of pain by using the Class IV K-laser to help our patients.

Call us today 929-8155. Today is a good day to leave your pains behind.

For a list of conditions that Laser Therapy treats, visit our website at www.LT4PAIN.COM or mail questions to the author at lt4pain@sbcglobal.net ☎

About the author: Dr J Rod McGinnis Laser Therapy Center And Chiropractic Wellness Center is located in Sacramento and he has been helping people get out of pain and back on line with Chiropractic, Nutritional Consulting, Detoxification And Pain reduction for over 28 years. Now with the Klaser that entire process is shortened and more responsive. Dr McGinnis can be contacted at 916-929-8155 or by email at lt4pain@sbcglobal.net

Laser Therapy Center



www.LT4PAIN.com

FDA Approved

Old & New Injuries
Respond Well

Quick & Painless!

Studies show that Laser Therapy can help with:



- Bone Spurs
- Arthritis
- Shoulder Pain
- Back Pain
- Knee Pain
- Carpal Tunnel
- Sports Injuries
- And more!



Sacramento's Only Class IV Laser Therapy – for Pain

McGINNIS CHIROPRACTIC & LASER THERAPY CENTER

916.929.8155

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