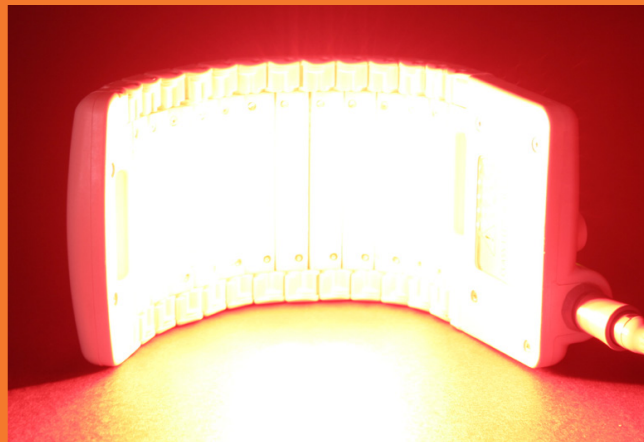


Dr. Jessica Puckett, DACM, L.Ac.

LOW INTENSITY LASER THERAPY



## LOW INTENSITY LASER THERAPY

### The Technology

The technology utilizes superluminescent and laser diodes to irradiate abnormal tissue with photons; these particles of energy are absorbed by a variety of molecules resulting in the conversion of light into biochemical energy. Multiple positive physiological responses are thereby initiated and normal cell morphology and function are restored. This process is curative and eliminates symptoms (ie. pain, edema, etc.)

**“The results were astonishing! I had my first “BioFlex Low Intensity Laser Therapy” treatment and left the office pain and drug free.**”

J. Jackson - Toronto

### THE PHYSIOLOGICAL EFFECTS OF LILT INCLUDE AN INCREASE IN:

#### (I) DNA Synthesis

- The protein building block essential to the process of cell regeneration

#### (II) Collagen Production

- Increases tensile strength of muscles, tendons and ligaments

#### (III) ATP (adenosine triphosphate)

- The fuel of the cell required in facilitating cell metabolism

#### (IV) Endorphins

- Morphine like substances produced by the body to reduce the sensation of pain.

#### (V) Modulation of Cellular Components involved in the Healing Process

- i.e. macrophages, fibroblasts, lymphocytes, etc.

#### (VI) Stimulation of:

- Immune response
- Lymphatic drainage (reduction in edema)
- Angiogenesis - formation of new capillaries and arterioles resulting in improved circulation / tissue oxygenation



“There is no other system in the world that is comparable or gets such outstanding results.”

Director, Laser Therapeutics of Southern Arizona - Tucson, Arizona

## LILT CAN BE USED TO TREAT THE FOLLOWING CONDITIONS:

### (I) Soft Tissue & Sports Injuries

- Ligament and tendon tears
- Muscle Sprains
- Tendonitis
- Contusions

### (II) Repetitive Stress Injuries

- Carpal Tunnel Syndrome
- Rotator Cuff Injury
- Tennis Elbow

### (III) Arthritic Conditions

- Degenerative Osteoarthritis
- Rheumatoid Arthritis
- Vertebral Radiculopathy

- Spinal Problems

### (IV) General Health Problems

- Headaches and Migraines
- Herniated Discs
- Fibromyalgia
- TMJ Temporo-Mandibular Joint Syndrome
- Reflex Sympathetic Dystrophy
- Post Herpetic Neuralgia

### (V) Tissue Repair & Wound Healing

- Soft Tissue Lesions (Trauma)
- Dermal Ulcers
- Venous Stasis
- Compression

## **How Long Does a Treatment Take?**

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Treatments are typically thirty minutes to one hour in duration depending on the condition being treated

## **Are There Any Side Effects?**

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Unlike most pharmaceutical solutions and other therapeutic options, laser therapy is non-toxic, non-invasive and in over one million individual treatments, no significant adverse effects have been noted.

## **How Many Treatments Are Required?**

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Based on the genetic makeup of the cells, an individual's response to LILT will vary to some degree.

A recent clinical review, including 1,000 consecutively treated patients, reveals the average number of treatments to be 9.4.



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