

K-Laser Class IV Laser Therapy

*“Healing your pain...
Changing your life”*



Laser Background

Acronym for

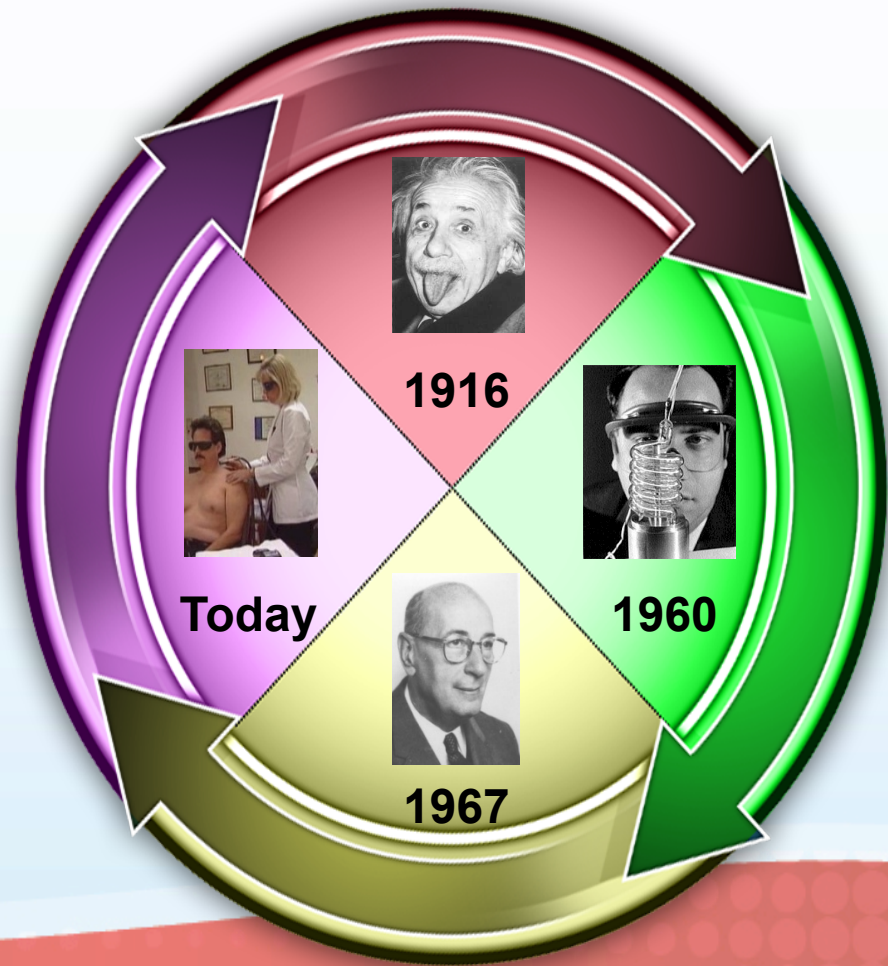
Light

Amplification by

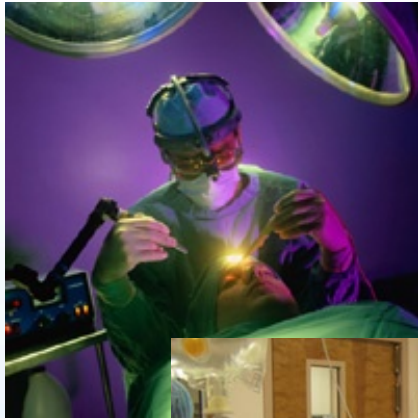
Stimulated

Emission of

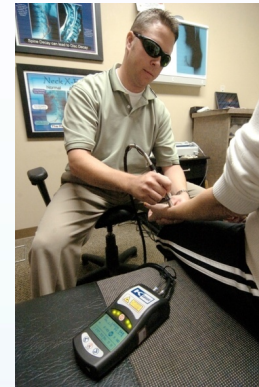
Radiation



Lasers in Health Care



Surgical Lasers



Therapeutic Lasers

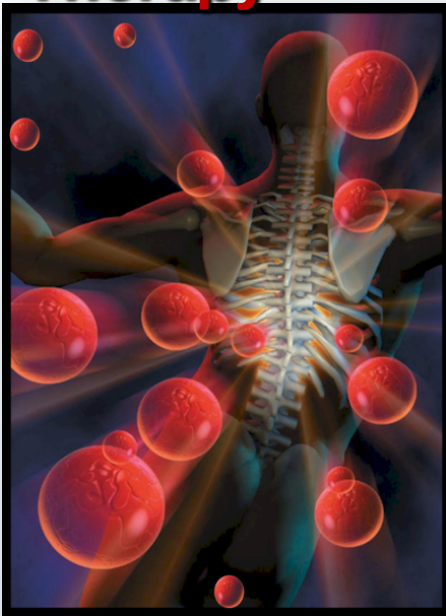
Lasers in Health Care



- **Therapeutic Lasers are used for the stimulation of cell function. Their biological effect is photochemical *not* thermal, as is the case with surgical lasers.**
- **Class IV Therapy Lasers like the K-Laser deliver a therapeutic dosage to a larger volume of tissue in a shorter period of time.**

How do lasers help?

The Physiological Effects of Laser Therapy



1. Increased cellular metabolism, increased ATP production, increased cell growth.
2. Proliferation of fibroblasts, macrophages, endothelial cells, mast cells, and more.
3. Anti-inflammatory action - reducing swelling caused by bruising or the inflammation of muscles and joints.
4. Increased vascular activity.
5. Pain relief from increased endorphin release.
6. Chromophores are stimulated in the mitochondria. Suppression of PGE2 production.

How do lasers help?

The Biological Effects of Laser Therapy

- Accelerated Tissue Repair and Cell Growth
- Faster wound healing
- Reduced Fibrous (Scar) Tissue Formation
- Facilitated inflammatory response
- Anti-Pain (Analgesia)
- Improved Vascular Activity
- Increased Metabolic Activity
- Improved Nerve Function
- Immunoregulation
- Trigger Points and Acupuncture



What does that mean in English?



- Relieves acute and chronic pain
- 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 wound healing
- Reduces inflammation

What conditions can benefit from K-Laser Treatments?

1. Chronic Back and Neck Pain
2. Carpal Tunnel Syndrome
3. Repetitive Stress Injuries
4. Frozen Shoulder
4. Plantar Fasciitis
5. Post Herpetic Neuralgia
6. Neuralgia/Neuritis
7. Disc Herniations

SOFT TISSUE INJURIES

- **Sprains and Strains**
- **Muscle Spasms**
- **Hematomas**
- **Tendonitis/Tenosynovitis**
- **Capsulitis/Bursitis**
- **Myofascial Trigger Points**

ACUTE/CHRONIC JOINT PROBLEMS

- **Osteoarthritis**
- **Ligament and Tendon Injuries**
- **Rheumatoid Arthritis**
- **Chondromalacia Patella**
- **TMJ**



**And
More!!**

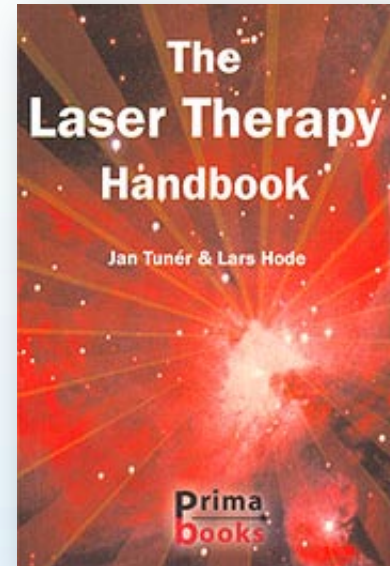
Are there any side effects?

- Side effects with K-Laser treatment are rare, temporary and minor.
 - Possible temporary increased soreness at laser site (release of toxins and increased blood flow)
 - Possible mild dizziness, light-headedness, or tiredness (release of toxins and systemic endorphins)



Scientific Evidence for Laser Therapy

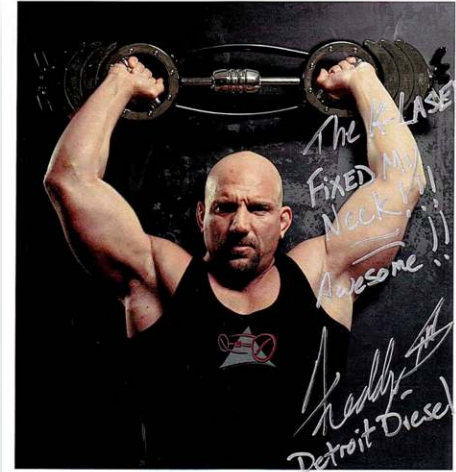
- Thousands of Published Studies
- Hundreds of Double Blind Studies
- Encompassing Almost all Organ Systems
- FDA Cleared for Human Applications





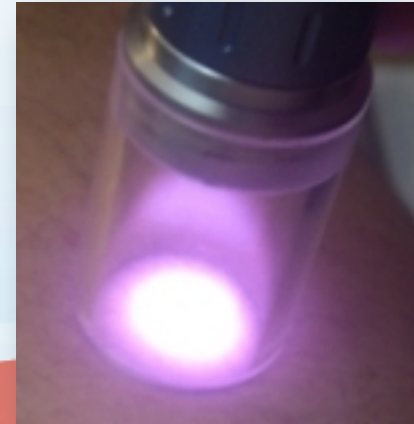
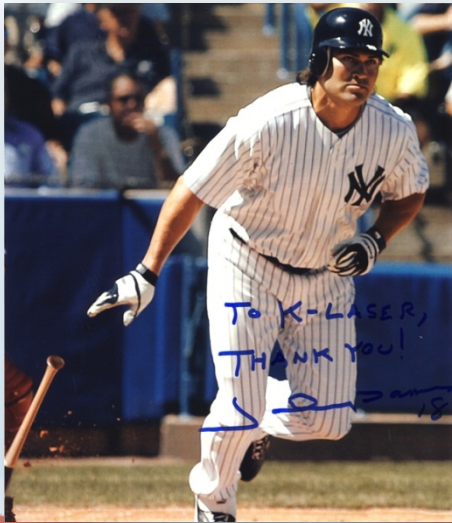
PHOTOGRAPH BY MICHAEL NICHOLS

Class IV Laser Heals



FREDDY GEORGE

THEBURNMACHINE.COM "The Detroit Diesel"



Summary

1. Relieves acute and chronic pain
2. Increases the speed and quality of tissue repair
3. Increases blood supply
4. Stimulates the immune system
5. Stimulates nerve function
6. Develops collagen and muscle tissue
7. Reduces scar tissue formation
8. Promotes faster wound healing
9. Reduces inflammation



*"I think that the best part of the **K-Laser** is the ability to get results on my chronic and difficult patients. No longer do I have to hear about my 75 year old patients with knee replacements complain of chronic knee pain. It is so much **more fun** at work now than before." – Dr. Rick*



Thank you!