At Powers Family Wellness We Provide Low Level Laser Therapy

Low Level Laser Therapy, commonly known as LLLT, is a form of phototherapy which involves the application of low power coherent light to injuries and lesions to stimulate healing.

How does Low Level Laser Therapy work?

The effects of Low Level Laser Therapy are photochemical (cold), not thermal. Hot lasers in the medical world are used for surgical precision while cold lasers are used for healing precision. Rapid cell growth. The laser accelerates cellular reproduction and growth.

- **Faster wound healing**. The laser stimulates fibroblast development in damaged tissue. The reduction in recovery time is an important consideration.
- **Increased metabolic activity**. Helps the body increase output of specific enzymes, greater oxygen to blood cells and more effective immune response are induced by laser.
- **Reduced fibrous tissue formation**. The laser reduces swelling caused by bruising or inflammation of joints to give improved joint mobility.
- **Anti-inflammatory action**. The laser reduces swelling caused by bruising or inflammation or joints to give improved joint mobility.
- **Increased vascular activity**. The laser stimulates lymph and blood circulation, to allow the affect tissue to have the best possible circulation.
- **Stimulated nerve function**. Slow recovery of nerve function in damaged tissue can result in "dead" limbs or numb areas. Laser will

Low level is popularly used for

speed the process of nerve cell reconnection to bring the numb areas back to life. Laser also increases the amplitude of action potentials to optimize muscle action.

- Soft tissue injuries
  Sprains and Strains
  Haematomas
  Tendonitis and Tenosynovitis
- Capultis
- Bursitis
- Chronic Back and Neck Pain
- Myofascial Trigger Points
- Acupuncture points
  Osteoarthritis
  Rheumatoid Arthritis
  Ligament & Tendon Injuries
  Chrondomalacial Patella
- Dermatological Condition
  Excema
  Acne Vulgaris
  Roseacea
  Psoriasis
  Herpes
  Shingles
  Dermatitis
- Metatarsalgia
- Trigeminal Neuralgia
- Brachial Neuralgia
- Would Management
  Open Wound
  Pressure Sores
  Post-Surgical healing
  Ulcers
  Diabetic ulcerations
  Burns
- Plantar fasciitis
- Frozen shoulder
- Strep Throat




Laser Mechanism of Action
Photobiomodulation in Target Tis
Thermal
↑Nerve Conduction
↑Capillary dilation
Biochemical
Releases nitric oxide
↑ ATP production
↑ Fibroblast migration
↑ Macrophage activity
↑ Keratinocyte activity
↑ RNA/DNA synthesis
↑ Enzyme production
↑ SOD production
Bioenergetic
› Acupuncture meridian point stimulation
Bioelectric
↑ Electromotive action acting on membrance bound ion channels
↑ Intracellular/extracellular ion gradient changes
CLINICAL EFFECTS
Reduced spasm | Pain Relief | Increased circulat
Improved flexibility and function | Improved heal
Reduced symptoms associated with osteoarthri
LASER
Quick Program
BAT
Quick Program Mode
Time Remaining
00:22
Quick
Program Mode
Stop
Pause
Start
< Prev
< Back
Next >
ERCHONIA
Lasers On
Power On
On/Off
PRE
PRG
PRE
PRG
PL-Touch