



Top 10 Benefits of Laser Therapy

Anti-inflammation

Laser therapy reduces inflammation with vasodilation, activation of the lymphatic drainage system, and reduction of pro-inflammatory mediators. The therapy reduces inflammation, erythema, bruising, and edema.

Analgesic Effect

Laser therapy of diseased and damaged tissue produces a suppression of nociceptors, an increase of stimulation threshold, and an increased release of tissue endorphins. Laser therapy decreases pain perception.

Accelerated Tissue Repair and Cell Growth

Photons of light from the lasers penetrate deeply into the tissue and accelerate cellular reproduction and growth. Laser light increases the energy available to the cells so they can take on nutrients and eliminate waste products more quickly.

Improved Vascular Activity

Laser light significantly increases the formation of new capillaries in damaged tissue. This speeds the healing process, resulting in more rapid wound closure.

Increased Metabolic Activity

The energy from the photons of the laser light is captured by chemical complexes within cells. This results in the activation of the enzyme systems and increases energy delivered into cellular metabolic processes.

Trigger and Acupuncture Points

Laser therapy stimulates muscle trigger and acupuncture points without mechanical invasion to provide musculoskeletal pain relief.

Reduced Fibrous Tissue Formation

Laser therapy reduces the formation of scar tissue.

Improved Nerve Function

Slow recovery of nerve functions in damaged tissue results in numbness and impaired limbs. Laser therapy accelerates nerve cell regeneration.

Immunoregulation

Laser therapy photons have an effect on immune systems status through stimulation of immunoglobins and lymphocytes. Laser therapy energy is absorbed by chromophores (molecular enzymes) that react to laser light. The enzyme flavomononucleotide is activated and starts the production of adenosine triphosphate (ATP), which is the major carrier of cellular energy and the energy source for all chemical reactions in cells.

Faster Wound Healing

Laser light stimulates fibroblast development. Fibroblasts produce collagen, which is predominant in wound healing in damaged tissue. Collagen is the essential protein required to replace old tissue or to repair tissue injuries. As a result, laser therapy is effective on open wounds and burns.