



Benefits of Cold Laser Therapy

Anti-Inflammatory

Laser Therapy has an anti-edema effect as it causes vasodilation, but also because it activates the lymphatic drainage system which drains swollen areas. As a result, there is a reduction in swelling caused by bruising or inflammation.

Analgesic

Laser Therapy has a beneficial effect on nerve cells. It blocks pain transmitted by these cells. An additional pain blocking mechanism involves the production of high levels of pain killing chemicals such as endorphins and enkephalin from the brain and adrenal gland.

Accelerated Tissue Repair And Cell Growth

Photons of light from the laser penetrates deeply into tissue and accelerates cellular reproduction and growth. The laser light increases the energy available to the cell so that the cell can take on nutrients faster and get rid of waste products. As a result of exposure to laser light, damaged cells are repaired faster.

Improved Vascular Activity

Laser light will significantly increase the formation of new capillaries in damaged tissue which speeds up the healing process, closes wounds quickly and reduces scar tissue. Additional benefits include acceleration of angiogenesis, which causes temporary vasodilation and increase in the diameter of blood vessels.

Trigger Points And Acupuncture Points

Laser Therapy stimulates muscle trigger points and acupuncture points on a noninvasive basis providing musculoskeletal pain relief.



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Reduced Fibrous Tissue Formation

Laser Therapy reduces the formation of scar tissue following tissue damage from cuts, scratches, burns or surgery.

Improved Nerve Function

Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light speeds the process of nerve cell reconnection and increase the amplitude of action potentials to optimize muscle healing.

Faster Wound Healing

Laser light stimulates fibroblast development in damaged tissue. Fibroblasts are the building blocks of collagen, which is the essential protein required to replace old tissue or to repair tissue injuries. As a result, Laser Therapy is effective post surgically and in the treatment of open wounds and burns.