

Benefits of MLS Laser Therapy (Class IV, FDA Cleared)

1.) Anti-Inflammation: MLS Laser therapy has an anti-edema (anti-swelling) effect as it causes vasodilatation, but also because it activates the lymphatic drainage system (drains swollen areas). As a result, there is a reduction in swelling caused by bruising or inflammation. In this way, MLS Laser therapy aids the body's natural healing process of inflammation.

2.) Anti-Pain (Analgesic): MLS Laser therapy has a high beneficial effect on nerve cells which blocks pain transmitted by these cells to the brain and which decreases nerve sensitivity. Also, due to less inflammation, there is less edema and less pain. Another pain blocking mechanism involves the production of high levels of pain killing chemicals such as endorphins and enkephalin from the brain & adrenal gland.

3.) Accelerated Tissue Repair and Cell Growth: It is well known that light has a healing effect on the body. Photons of light from lasers penetrate deeply into tissue and accelerate cellular reproduction and growth. The laser light increases the energy available to the cell so that the cell can take on nutrients faster and eliminate waste products. As a result of exposure to laser light, the cells of tendons, ligaments, muscles and other tissues are repaired faster.

4.) Improved Vascular Activity: Laser light will significantly increase the formation of new capillaries, enhancing blood flow 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 vasodilatation, an increase in the diameter of blood vessels, which speeds healing.

5.) Increases Metabolic Activity: MLS Laser therapy creates higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells.

6.) Trigger points and Acupuncture Points: MLS Laser therapy stimulates muscle trigger points and acupuncture points on a non-invasive basis providing musculoskeletal pain relief.

7.) Reduced Fibrous Tissue Formation: MLS Laser therapy reduces the formation of scar tissue following tissue damage from cuts, scratches, burns or surgery.

8.) Improved Nerve Function: Slow recovery of nerve functions in damaged tissue can result in numbness and impaired limbs. Laser light will speed up the process of nerve cell reconnection and increase the nerve supply to optimize muscle action.

9.) Immunoregulation: Laser light has a direct effect on immunity status by stimulation of immunoglobulins and lymphocytes. MLS Laser therapy is absorbed by chromophores (molecule enzymes) that react to laser light. The enzyme flavomono-nucleotide is activated and starts the production of ATP (adenosine-triphosphate), which is the major carrier of cell energy and the energy source for all chemical reactions in the cells.

10.) Faster Wound Healing: Laser light stimulates fibroblast development (fibroblasts are the building blocks of 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.

