

Understanding Laser Therapy

Class IV laser therapy is used for the relief of pain, to accelerate healing and decrease inflammation.

When light source is placed against the skin, photons penetrate two to four inches and are absorbed by the mitochondria (the energy producing part of a cell).

This energy results in the restoration of normal cell function. The main goal of laser therapy is to stimulate the cell to perform its natural functions, but at an enhanced rate.

In contrast to “cold lasers,” which provide no feeling or sensation, high power diode laser therapy provides a warm, soothing feeling.



Positive Effects and Benefits of Laser Therapy

Anti-Inflammation

Laser therapy has an anti-edemic 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.

Anti-Pain (Analgesic)

Laser therapy has a high beneficial effect on nerve cells which block 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.

Accelerated Tissue Repair and Cell Growth

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 get rid of waste products.

Improved Vascular Activity

Laser light will significantly increase the formation of new capillaries in damaged tissue that speeds up the healing process, closes wounds quickly and reduces scar tissue.

Increased Metabolic Activity

Laser therapy creates higher outputs of specific enzymes, greater oxygen and food particle loads for blood cells.

Trigger Points and Acupuncture Points

Laser therapy stimulates muscle trigger points and acupuncture points on a non-invasive basis providing musculoskeletal pain relief.

FREQUENTLY ASKED QUESTIONS

Q: Is Laser Therapy Safe?

A: Class IV laser therapy is extremely safe and all that is usually felt is a mild warming sensation. Plus safety glasses and all safety considerations are in place before therapy starts.

Q: Is Laser Therapy scientifically well documented?

A: Class IV laser therapy has hundreds of scientific tests, documents, and studies done. It is the most dependable and result producing of all therapies.

Q: Does Laser Therapy cause cancer in the tissue?

A: Since there is no ionizing radiation, the chances of ever producing a cancer is reduced to the absolute minimum.

Q: How long does each treatment take?

A: Class IV laser is nearly 5x faster than Class III or cold laser. Plus, the results from Class IV laser only take a few minutes to get the maximum affect.

Q: How often should I be treated?

A: It is suggested, depending on the severity of the condition, that you be treated two – three times per week for a range of from four to six weeks for maximum recovery.

Q: How long before the results are felt?

A: This is the beauty of Class IV laser. Many patients report results after the first visit. Of course everyone's condition varies, but results are often quickly felt.