

LED Cold Light Skin Therapy

Skin Rejuvenation

LED Cold Light Therapy is the latest technology in non-ablative (woundless) collagen building for aging skin. LED light is used to gently and painlessly stimulates the portions of the dermis where collagen is located and synthesized.

This localized stimulation triggers a process that tricks the body into producing new collagen. This neo-collagen gradually reduces and softens wrinkles and gives skin a younger and fresher look.

LED therapy is a non-invasive procedure that activates skin cells with pulses of low-level, non-thermal light energy. LED therapy converts light energy within the skin cells to energy that is hyper activated resulting in collagen synthesis and skin repair occurring at a greatly increased rate.

The treatment is painless, and normal activities can be resumed immediately.

LED Treatments - Through Deep Penetrating Light

Laboratory studies have shown that skin cells grow 150-200 percent faster when exposed to certain LED light wavelengths. Independent research for over 40 years has shown LED red and infrared light delivers powerful therapeutic benefits to living tissue. Both visible red and infrared light has been shown to affect at least 24 different positive changes at a deep level.

Visible red light, at wavelengths from 630-660 nanometres, penetrates tissue to a depth of 8-10 mm. LED light is very beneficial in treating problems close to the skins surface such as wounds, cuts, and scars. Skin layers, because of their high blood and water content, absorb red light very readily and deliver enough energy to stimulate a response from the body to heal itself.



Before




After

LED Photons must be absorbed to produce a biological response. All biological systems have a unique absorption spectrum, this uniqueness determines which wavelengths of light will be absorbed to produce a given therapeutic effect.

The visible red and infrared portions of the spectrum have been shown to be highly absorbent and produce unique restorative effects in living tissues. It is thought that light

photons are absorbed by the skin and its underlying tissue triggering biological changes within the body in a process known as photo-biomodulation.

Although the exact mechanism of action is still undergoing study, what is known is that monochromatic light increases oxygen and blood flow, facilitating wound healing.

NASA  has produced the best research documentation to date supporting the effectiveness of LED's to stimulate plants and human tissue and research is ongoing regarding the uses of LED's for photo rejuvenation.

LED therapy is one of the few non-invasive tools available that can improve the appearance of aging skin conditions, such as wrinkles and mottled skin tone, fine lines, enlarged pores and crow's feet. LED light therapy is also very successful in the use of treatment for rosacea and acne.



Before



After



Before



After

Frequently Asked Questions

When are results visible?

Everyone's skin varies, but most people feel and see a difference in about four treatments. Because of differences in damaged skin, some people will see the benefits almost immediately and others will need more treatments. Treatments are progressive, we recommend treatments for at least ten (10) weeks, for maximum results.

Do LED Treatments work on everyone?

LED treatments are proven to work on all skin types. There is over a 90% success rate for people using our system.

Can LED therapy hurt my eyes?

No studies have been found showing any harmful effects to the eyes when using our product correctly. However, we recommend not staring directly into LEDs and recommend the use of eye shields for your comfort.

Can LED treatments be combined with other skin care?

Yes. LED treatments can be used alone or with other skin care treatments including IPL with no known or reported side effects.

Will LED treatments hurt?

No. Unlike lasers or other ablative (skin harming) treatments, LED treatments are non-thermal, non-ablative, and non-invasive. We have had no reports of discomfort or pain associated with LED treatments.

Is LED therapy and IPL (intense pulse light) therapy the same?

LED Therapy and IPL (Intense Pulsed Light) are different. There are several Commercial IPL systems on the market and they range from 4200-1200 nm, but the big difference is in the energy output measured in joules/cm². IPL typically has a power range of 3-90 Joules. IPL typically need trained users/aesthetician to administer.

What is the difference between Laser or LED?

LED's produce (non-coherent, monochromatic light; spontaneous emission) –
Laser's produce (coherent, monochromatic light, stimulated emission).