

Light Therapy is the anti-wrinkle breakthrough of the 21st Century!

Red Light Therapy Slows the Aging process

Nothing stops the aging process, but the Red Light slows the process by as much as five years! It is non-invasive and requires no down time after use. There is no replenishing of products or dependency on any company. It is natural and can be performed in the privacy of your home. There are no side-effects. It is now offered in salons, spas and doctor's offices. Pick up a magazine and you will most likely find an article about Red Light Therapy. Purchasing your own Red Light will save you money as compared to the cost of going to a spa or salon.

NASA Research Shows Red Light Therapy Promotes Healing

NASA began conducting research on the benefits of Red Light Therapy on the healing properties of the skin. It was shown that the Red Light promoted faster healing without interfering with a person's daily living.

The Red Light penetrates deep into the skin causing the collagen (the protein found in connective tissue) to rebuild itself. This regeneration strengthens and tightens the skin which causes fewer wrinkles and faster healing.



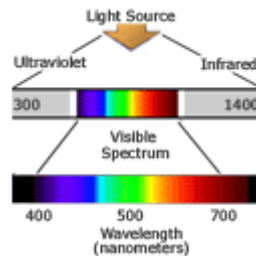
Red Light Produces Collagen and Elastin in Skin

Independent research has demonstrated that red light therapy encourages skin cells to produce collagen, elastin and certain enzymes within the skin's supportive structure. Because the dermis (middle layer) has an elastic quality due to the presence of elastin fibers, production of elastin is essential in battling wrinkles. Red light's effect of producing collagen, which is found in the dermis and helps prevent wrinkles, combines with the increase in elastin to boost the beneficial effects.

Red Light Therapy can help your skin look younger and healthier. The skin appears smoother, tighter and fresher. Discoloration is lessened. Fine lines and wrinkles are minimized. Sun damage to skin and the aging process is slowed. Red Light Therapy is a convenient alternative to conventional facial creams and lotions with its many advantages and benefits.

Blue Light Therapy is Effective Against Acne

Acne primarily occurs in adolescents although it is common among adults and about 80% of people have it to some extent. P.acne (Propionibacterium acnes) grows abnormally in the skin causing inflammatory cells and painful pustules. New research for acne treatment shows that wavelengths between 405nm - 420nm, especially the 420 nm wavelength, has the greatest effect in treating acne by activating Porphyrin which kills P.acne. The 420 nm blue light is irradiated to the skin and once mixed with oxygen kills the bacteria causing acne. Once 420nm blue light is irradiated to the acne on the skin, Porphyrin connects with oxygen in the air forming Singlet Oxygen killing P.acne.



Intense Pulsed Light

Intense pulsed light is the application of a noncoherent, non-laser, broadband, filtered flashlamp source directed to the skin. This treatment involves several parameters, such as wavelength, pulse, temperature control, etc, that can be modified dependant upon the type of skin condition. Intense pulsed light utilizes wavelengths between 400 nm and 1400 nm. This light is absorbed by melanin in the skin, hair and hair follicles, blood and water. The absorption of the light converts into heat and is dependant upon the wavelength and melanin.

Intense Pulsed Light Rejuvenates Skin and Lightens Features

Precisely controlled light targets the epidermis and molecules in the blood vessels. The light stimulates the growth of collagen to remove wrinkles and blemishes (age spots, pigmented areas, spider veins). Small vessels and pigmented lesions collapse when heated thereby reducing the artifacts on and under the skin.

Heat Therapy

Warm—Cold Hammers Increase Circulation, Regeneration and Absorption

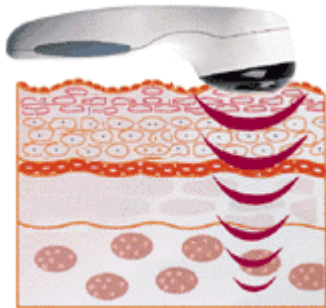
Devices that are placed against the skin and deliver alternating hot and cold cycles increase blood circulation and lymphatic system by stimulating cell and collagen reproduction under the skin layer. This ultimately will improve the elasticity of your skin while allowing your skin to absorb at a rate of 10 times higher. These products may be used on the face for both cold and hot therapy to help in reducing irritation and redness that may occur from microdermabrasion.

Conductive Heat Destroys the Organism Responsible for Acne

P. acnes is destroyed by a process called heat shock response. Heat shock response is a reaction bacteria have to heat whereby they transcribe a number of their genes and activate heat-shock proteins. These heat-shock proteins participate in the bacteria's death by causing the bacteria to self-destruct. *P. acnes* self-destructs in the acne lesion preventing infection and allowing the skin to return to a healthy state. Fortunately, the level of heat required is not sufficient to cause damage to the skin. DNAtrix, Inc., a molecular pharmaceutical company jointly owned by Dr. Conrad and the Board of Regents of the University of Texas, performed testing which was critical in determining if *P. acnes*' heat shock response occurs below the point of heat damage of human skin. Furthermore, these tests were critical in assessing the rate of *P. acnes* death at various temperatures over time (temperature versus time).

Ultrasound Elevates Deep Skin Layer Temperature

Ultrasound therapy permeates deeply into the skin to emit heat which accelerates blood circulation. Although invisible to the eye and undetectable by your skin, the Ultrasonic / Ultrasound Beauty Devices radiate micro-vibrations, help stimulate the body's recovery from illness and injury.



Ultrasonic waves can also dissolve fats, so it can achieve the effect of local slimming in the lower abdomen, hips, thighs, calves or double chin. Ultrasound can break down the calcified fatty deposits, just like an opera singer's high-pitched voice shattering a glass.

Healing Effect on Bone and Muscle, Joint Inflammation and Improved Mobility

Bone and muscle have been found to absorb more ultrasonic energy than other heterogeneous tissues, because they better reflect the longitudinal waves of ultrasound, transforming them into transverse waves which create a heating massage effect. This happens most commonly in the areas in between the muscle and bone or between the muscle and tendon. Physical therapists can utilize this thermal affect to reduce inflammation and increase mobility in the joints.



Ultrasound Effectively Clears Skin

When ultrasonic waves penetrate into the epidermis, it creates a strong pressure through vibration to rid waste matter and to open the pores for a deep cleaning. Blackheads or pimples come out easier because sebum block up pores. This helps to eliminate the generations of blackheads and pimples and help maintain a balance of clear and pure skin. It stimulates the release of toxins and waste products out of the cells and transfers them into the lymphatic system.

Ultrasound Improves Pigmentation Conditions

Dark spots are actually pale cells surrounding and above melanin formations on the base layer. These spots have darkened in color and are being seen through the skin on the surface. Ultrasonic waves can penetrate deep to this base layer to treat the original area of the darkened areas spots. When using ultrasonic waves, it promotes melanin oxidation to change the flecks, black spots, or dark skin to a paler color. Ultrasonic vibration and heat action promote elimination of melanin in pale cells of the deep epidermis to keep skin uniform and beautiful.