LIGHTWAVE

FREQUENTLY ASKED QUESTIONS

The following information is provided to address common questions regarding the LIGHTWAVE™ Anti-aging Rejuvenation process and LIGHTWAVE™ Acne treatments:

1. What is LIGHTWAVE™?

LIGHTWAVE™ is an LED light therapy device that can be utilized for cosmetic and medical applications such as anti-aging, acne and dermal repair. It does this by implementing cutting-edge protocols that activate the cellular renewal process, while restoring and protecting the surface of the skin, resulting in a significant and yet completely natural looking cosmetic enhancement. The effectiveness of using red and infrared light therapy to stimulate rejuvenation in damaged tissue has been documented in more than 2,500 research papers, and over 100 double blind studies. LIGHTWAVE™ is the first light therapy company to develop a complete and total inside and outside approach to skin; addressing skin care needs both internally on a cellular level and topically on the surface of the skin.

2. Are LIGHTWAVE™ LED treatments safe?

The LIGHTWAVE™ system provides advanced cosmetic rejuvenation utilizing proven Light Emitting Diode (LED) technology. This technology has been determined by the FDA to be of non-significant risk and is considered very safe but still requires clearance by the FDA. The LIGHTWAVE system has currently been cleared for 5 different applications. For additional information on all of our current clearances, please see our 510K (K082586). LIGHTWAVE™ treatments are completely non-invasive and do not produce any thermal damage or pain and are generally perceived as pleasant and relaxing. By combining this effective treatment with our patented DermaKinetics® topical infusion process and our ABI Dermaceuticals Power Pure technology, clients experience the most effective non-invasive procedure available.

3. How does the LED LIGHTWAVE™ system work?

The LED LIGHTWAVE™ treatment is a gentle and natural procedure much like the process of photosynthesis, also known as photo biostimulation ("...the stimulation of life processes with light…"). The LIGHTWAVE™ system uses both visible red and infrared light energy to stimulate and increase cellular activity. This light energy is then converted into cellular energy (ATP), resulting in several positive changes, including:

- accelerating the production of collagen and elastin.
- increasing cellular permeability, allowing for increased cellular nutrient intake.
- increasing the removal of excess fluid and waste products from the cells .
- increasing the production of macrophage (scavenger) cells for the removal of toxins/excess pigment/scar tissue.
- increasing lymphatic drainage.
- increasing vascularization (blood flow) to the surface of the skin.

4. Can you administer two or more colors of light at the exact same time?

Skin cells have the ability to reflect, absorb or allow light to pass right through. Light energy or photon energy must be absorbed by the cells in order to create a natural biochemical reaction within the body. Studies have shown that when skin receives the proper dose of LED light, skin cells can regenerate themselves on average 150% to 200% faster and hydration can be increased by up to 600%. However, if multiple colors of LED light are delivered to the body at the exact same time, (which is known as polychromatic delivery) the dosage of a specific wavelength of light decreases and can lead to unsuccessful results. This is why the LIGHTWAVE system uses a monochromatic delivery system, which is the delivery of only one color of light at a time. This ensures the correct dosage of light is delivered and absorbed by the body and that noticeable results are achieved.

3. What will LIGHTWAVE™ therapy do for my acne? Can I use it with other acne procedures?

LIGHTWAVE™ is a safe and effective treatment option for people suffering from mild to moderate acne. It reduces the P.acne bacteria responsible for the majority of acne lesions, as well as reduces inflammation which is largely responsible for P.acne bacteria formation. LIGHTWAVE™ can also reduce the appearance of acne scars and pitting, as well as pigmentation issues caused by acne. It significantly enhances many other treatment options, including microdermabrasion and chemical peels. Persons suffering from severe acne blemishes that have not previously seen a result using only LIGHTWAVE™ blue and red light therapy may wish to combine their treatment with Photodynamic therapy. Photodynamic therapy is when the skin is treated with a topical photo-sensitizing agent such as ALA (5-aminolevulinic acid) and then the affected area is exposed to blue light. This causes the targeted cells to die and slough off, thereby shrinking and destroying over-productive oil glands. Only a qualified health care professional should perform this treatment as there are possible side effects including: severe stinging and burning, prickling, itching, pigmentation issues, inflammation and redness.

4. Are LIGHTWAVE™ blue and red light acne treatments safe?

LIGHTWAVE™ blue and red light therapy acne treatments are 100% natural with no known adverse side effects, making it a safe alternative to prescription drugs and other painful acne treatment options. LIGHTWAVE™ utilizes Light Emitting Diode (LED) technology with a low-level power output, which has been determined by the FDA to be of non-significant risk. LIGHTWAVE™ treatments are completely noninvasive and do not produce any thermal damage or pain.

5. How does the LIGHTWAVE™ blue and red light treatment work?

Most inflammatory acne is attributed to the presence of P. acnes which is the bacteria primarily responsible for causing acne inflammation. P. acnes produce tiny molecules called porphyrins. When the porphyrins are exposed to LIGHTWAVE™ blue light, they produce free radicals which in turn kill the acne-causing bacteria. Then the skin is exposed to a specific dose of red light that allows the skin to heal and repair damage caused by the P. acnes bacteria.

6. What I can expect during a LIGHTWAVE™ appointment?

During your initial LIGHTWAVE™ appointment, a knowledgeable LIGHTWAVE™ provider will take "before" pictures, conduct an interview and complete a physical evaluation of your skin to get a clear picture of your treatment priorities. Your technician will then choose the appropriate LIGHTWAVE™ protocol(s) to address your areas of concern. The actual LIGHTWAVE™ treatment will begin by properly preparing the skin with specific ABI Dermaceuticals. These concentrated topicals help clear away the outermost layer of the skin so that the appropriate amount of photo energy can be properly absorbed. Next, the skin is exposed to specific wavelengths of light that will stimulate the cellular renewal process and begin the reparative process. Finally, ABI's Power Pure topicals will be applied to the surface of the skin to start rebuilding, replenishing and protecting the exposed skin cells.

7. Are there any advantages of LIGHTWAVE™ over other popular rejuvenation procedures? (ie: chemical peels, IPL, laser, surgery, etc.)

LIGHTWAVE™ has several advantages over other aesthetic procedures, including:

-NO THERMAL DAMAGE	-NO DOWN TIME	-RELAXING
-NO DISCOMFORT	-NO SURGERY	-NATURAL RESULTS
-NO DISCOLORATION	-NO SCARRING	-AFFORDABLE

8. What will LIGHTWAVE™ and ABI therapy do for my wrinkles and fine lines? Can I use it with other anti-aging procedures?

LIGHTWAVE™ and ABI Dermaceuticals, its corresponding skin care line, is effective for cosmetic enhancement of the face. It reduces the appearance of fine lines and superficial wrinkles by increasing cellular hydration, blood flow, nutrient-intake and waste removal within the various layers of the skin and supporting tissues. LIGHTWAVE™ lifts, tones, and restores your youthful appearance with 100% natural-looking results. LIGHTWAVE™ can also reduce the appearance of facial scars, burns, sun damage, sun spots, and uneven skin tone. It also provides potent antioxidants and sun protection to slow-down the aging process and prevent premature aging. LIGHTWAVE™ and ABI Dermaceuticals significantly enhance many other anti-aging treatments including DermaKinetics® facial infusion therapy, microdermabrasion, chemical peels, laser resurfacing, and anti-cellulite regimens.

9. How long do the acne results last?

Acne is a disease with no known cure, therefore, finding effective ways to keep it under control is the best way to remain acne free. Most people can see noticeable changes in 6-8 treatments and sometimes in as few as 2-3 treatments. The average person is exposed to blue and red light for 30 minutes a day, twice a week, for a total of four weeks. Consistent treatments may be required to achieve and maintain a healthy and blemish free complexion. Maintenance treatments are recommended every 3-6 months as needed. There is no limit to the number of treatments one can have over time as long as you wait at least 24-36 hours between treatment sessions.

10. How can LIGHTWAVE™ Rejuvenation be used to improve other areas of the body?

LIGHTWAVE™ can help tighten, firm and restore skin tone by stimulating collagen and increasing lymphatic drainage, resulting in a younger-looking, smoother and firmer body.

11. Can LIGHTWAVE™ be used on any area of the body?

Yes, LIGHTWAVE™ can be used on any area of the body. While the basic nature of the treatment is the same, your treatment protocol will vary depending on the area of the body and the condition being treated.

12. Are there any contraindications?

Yes, this procedure is for generally healthy people. Persons with any severe life threatening disease, epilepsy, photophobia or who are pregnant or plan to become pregnant are not candidates for the treatment. If possible, light sensitive medication should also be avoided while undergoing light therapy. Anyone with questions should consult their LIGHTWAVE™ technician and their primary care physician before initiating treatment. Caution should be used when treating persons with diabetes, sensitive, or damaged skin i.e. burned, skin graphed, tattoo removed, previously laser resurfaced skin, etc.

13. How long do the anti-aging results last?

As with any treatment, individual results will vary. Factors which influence the efficacy of your personal treatment include physical condition, age, skin color, diet, skin care routine and lifestyle. Most people see noticeable changes in 6-8 treatments and sometimes in as few as 2-3 treatments. LIGHTWAVE™ is usually administered two times per week. Consistent treatments and routine applications of ABI Dermaceuticals are recommended to achieve and maintain a more youthful appearance. Maintenance LIGHTWAVE™ treatments are suggested once every four to six weeks as needed.

14. What kind of results can I expect for anti-aging?

Younger patients generally have fewer noticeable changes to their skin as they commonly have less skin damage. LIGHTWAVE™ patients 35-45 years of age, in general, see a 50% - 60% improvement in wrinkles and flaccid skin. 10% - 15% of patients see an 80%-90% improvement. No results can be guaranteed. Consult your cosmetic specialist for more details on how LIGHTWAVE™ can rejuvenate your face and body.

15. What kind of results can I expect for acne?

On average, 80% of patients see a 75% reduction in the number of inflammatory acne lesions, with results lasting 3-6 months. This percentage increases significantly when used with ABI Dermaceuticals™ Skin Care.