

Advanced Biophotonic Acne Therapy FAQ

What can I expect from Biophotonic Therapy?

Treatments using blue and red light will improve and alleviate the most common types of acne that affect over 50 million people in North America. A significant reduction in the number of acne lesions can be seen in as little as 6-10 treatments.

Are the Light Treatments safe?

According to the FDA, blue and red light has a "non-significant risk" and is completely safe for your eyes. The light penetrates tissue to a depth of 8-10 mm, delivering energy to stimulate a cellular response. The treatments are safe and completely pain free.

How does Red Light work?

The light stimulates specific cells in your skin to increase production of collagen and elastin. Lab studies have shown that skin cells grow 150-200 times faster when exposed to certain types of light. Red light delivers a powerful therapeutic benefit to living tissue while causing oil glands to shrink in size.

How does Blue Light work?

Blue light kills acne-causing bacteria known as Propionibacterium, or P.acnes, which cause inflammation. P.acnes is sensitive to Blue light. Using the Blue light, eliminates the bacteria found in the oil glands of the skin.

How does the Biophotonic Acne Therapy work?

Eliminating the bacteria from the skin with help from Blue light decreases the inflammation associated with red pimples (papules) seen in acne. Shrinking of follicle size from Red light exposure will result in decreased sebum production. After a number of exposures with this dual treatment the blemishes disappear and skin is restored to its normal appearance.

How long do the treatments take?

Each light treatment takes 30 minutes and should be done about every three days. Treatment time may take longer if a skin cleanse is performed prior to the light treatment. Depending on the severity of the acne condition a program of 10 to 20 treatments may be required. Full results may vary from individual to individual.



- eliminate acne bacteria
- reduce pore size
- reduce inflammation
- repair damaged skin
- improve skin condition
- reduce scars
- safe and pain free treatments

Available at:

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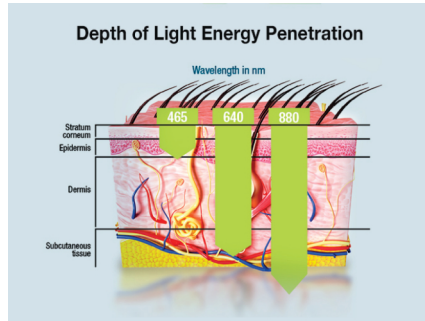


Biophotonic Acne Therapy



Light Medic - Celluma

Based on scientific research pioneered by NASA, the Light Medic Celluma phototherapy device utilizes specific wavelengths of light produced by light emitting diodes (LEDs) to treat various skin conditions. The Celluma therapeutic wavelengths include near infrared, red and blue light. Blue and Red light combination LED phototherapy is an effective, safe and pain free treatment option for mild to moderately severe acne vulgaris and acne lesions.



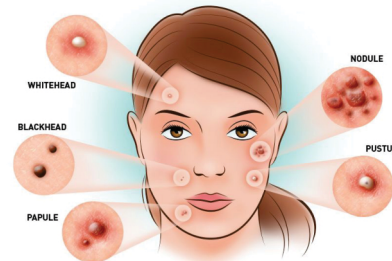
Light Medic Celluma's deeply penetrating light wavelengths kill the bacteria that causes breakouts, while reducing the inflammation, pimples and redness associated with acne. A reduction in lesions and overall improvement in skin appearance is often seen in only a matter of weeks. Individual outcomes may vary depending on the severity of the condition treated.



The Acne Cycle

Skin pores/follicles sit on top of oil producing sebaceous glands. The sebum keeps the skin flexible and transports dead skin cells to the surface for removal. Bacteria is a normal part of healthy skin flora. P.acnes bacteria live in the follicles where they consume fatty acids in the sebum.

Elevated production of sebum and follicle blockage cause P.acnes bacteria to grow and multiply. The blockage traps the bacteria in the follicle where they secrete excessive amounts of enzymes in digesting sebum. These enzymes cause deterioration of the follicle cell walls and an immune system reaction causing inflammation and pustules. When the pustules burst the bacteria escape and invade other follicles, spreading the infection.



Biophotonic Acne Therapy

In order to break and control the acne cycle two things are required; 1. elimination or reduction of P.acnes bacteria 2. reduced sebum production

P.acnes bacteria is especially sensitive to light in the 405-420 nm range (blue light). The blue light is absorbed by porphyrin molecules in the bacteria. This absorption causes free radicals (singlet oxygen) to be released in to the bacteria causing a phototoxic reaction that kills the bacteria.

Exposure to red light (light in the 630 nm range) causes a cascade of cellular reactions to happen These include the production of collagen and elastin, and reduction in pore/follicle size. The resulting effect is a decrease in production of sebum due to smaller follicle size as well as repair of previously damaged skin cells.

Before and After



Individual results may vary



100% NATURAL • NO INJECTIONS • NO SURGERY • NO HARMFUL MEDICATION

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