

Solving the Puzzle for Pain Relief



What is Light Therapy?

The mechanics of vasodilation are the core efficacy of Light Therapy.

The Nobel Prize in Physiology or Medicine 1998



Photo from the Nobel Foundation archive.
Robert F. Furchgott
Prize share: 1/3

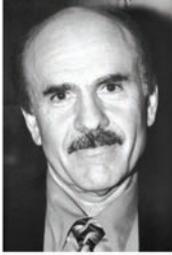


Photo from the Nobel Foundation archive.
Louis J. Ignarro
Prize share: 1/3



Photo from the Nobel Foundation archive.
Ferid Murad
Prize share: 1/3

Nitric oxide, a critical molecule of life, was discovered to prompt vasodilation by a Nobel Prize Winning team of researchers in 1998.

It is that same process that doctors have discovered occurring during light therapy sessions. People experience vasodilation, and the resulting increase of oxygen and nutrients to cells.

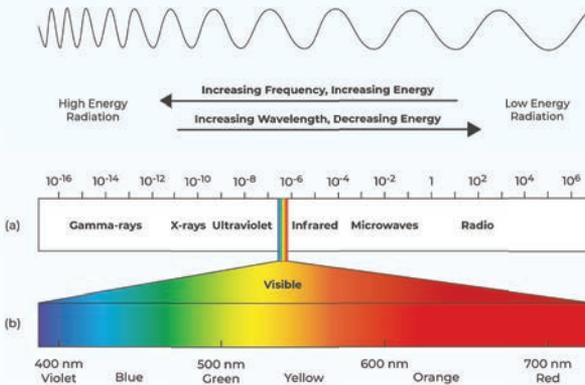
This process, which once was only achievable by drugs and other medications, leads to increased circulation and a temporary reduction of pain.

Light therapy is a non invasive, pain free, drug free way to increase circulation and reduce pain. It utilizes specialized, medical grade LEDs to create the therapeutic wavelengths that have long been known to promote wellness. In the case of a chronic illness, the relief may be temporary and require multiple sessions of use before you can extend out the frequency of the sessions. Because of pain relief from light therapy, we have seen our customers use fewer drugs for pain management.

The Science of Light Therapy

We know that a particular range of wavelengths are therapeutic to the human body. Let's look at the graphic below. We can see 4 important points:

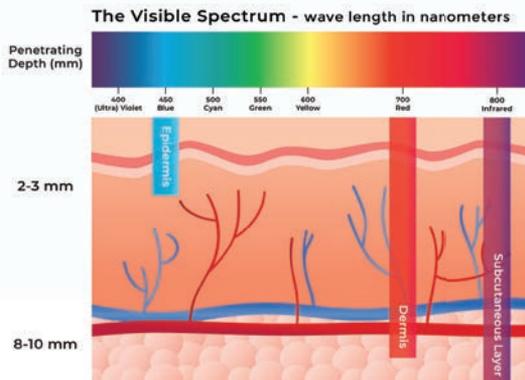
1. The broad spectrum of light,
2. The enlarged color section is visible light. This ranges from violet to red.
3. As infrared is not in the visible spectrum it lies outside our ability to see it.
4. The increasing frequency of the wavelength creates increasing energy.
Note the increasing wavelength results with decreasing energy

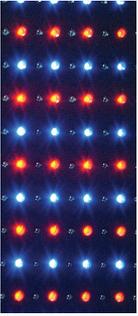


Now let's look at another important graph of the three wavelengths we mentioned as the "therapeutic wavelengths". In this graph we see the penetrative depth of light and energy of different wavelengths.

Light therapy is characterized by three issues:

1. Depth of penetration
2. Dosage (joules)
3. Proximity to skin





Wavelength

The best wavelengths for maximum efficacy are:

Blue: 465 nm, said to target the dermis for acne and wrinkles

Red: 630 nm promotes increase in ATP production

Infrared: 850 nm deepest penetration to subcutaneous tissues (the invisible spectrum, and you can see in the photo that it looks like the infrared is not working!)

Testimonials

Tom Bullinger was having severe shoulder pain that kept him out of the gym and left him discouraged. With the use of his Light pads, Tom is back in the gym, pain-free.



Phyllis Chrampanis was used to living with constant pain and the impact it had on her sleep and her long hours at work. After only weeks using her pads, she has more energy and much less pain.

Donald Althoff was sidelined from the golf course with constant pain in his feet and lower legs. Not anymore!



Beth Dawson thought she was headed for a wheelchair with debilitating pain in her feet and legs. Then, with our light technology, Beth was back on her feet with less pain.

Devices are intended for temporary relief of minor pain, muscle aches and stiff ness and increased circulation.

Our devices are not intended to diagnose, treat, cure, or prevent any disease.