

LASER QUESTIONS & ANSWERS

Most Common Questions & Answers Regarding
Low Level Laser Therapy (LLLT)

Question 1

Q: What is the low level laser doing?

A: Low-Level Laser Therapy restores health by removing the underlying causes of ill-health by decreasing inflammation, increasing oxygen and blood flow, promoting muscle calcium uptake, and increasing neurotransmitter release.

Question 2

Q: How does the low-level laser work?

A: Laser light passes through the skin and stimulates the cells energy production center, called the mitochondria, creating more energy, better cell communication, improved tissue growth, enhanced cell nutrition, and extended cell life.

Question 3

Q: How does low-level laser therapy strengthen muscles?

A: Low-level laser light increases cell energy by stimulating the cell energy center, the mitochondria, to generate energy the nerves use to strengthen the muscles.

Question 4

Q: How can low-level laser therapy penetrate through clothing?

A: Low-level lasers emit 45 billion light particles, called photons, every second, and, even though clothing restricts laser light from reaching the skin to some degree enough photons pass through the clothing to create a therapeutic effect.

Question 5

Q: Why can't I feel anything during a low-level laser treatment?

A: You won't feel the low-level laser light because it doesn't create heat or vibrate the tissue because of its low power. After low-level laser treatments people often experience less pain, more strength, and better joint movement.

Question 6

Q: How can a beneficial low-level laser response occur in a matter of a few seconds?

A: A low-level laser light stimulates cell receptors to increase cell energy production and anytime one cell is stimulated to create energy many other cells will also be stimulated to produce more energy.

Question 7

Q: What are additional benefits of low-level laser therapy?

A: Additional benefits of low-level laser therapy include increased protein production, healthy cell growth, wound healing, circulation, tissue regeneration, and immunity.

Question 8

Q: Why aren't other doctors using this technology?

A: In 1998 the Erchonia Corporation designed the first line-generated "laser light" source that enabled doctors to treat over a larger surface area. Although this innovative approach to care is highly effective the science of how it works is relatively new and presently not taught within a majority of health care institutions.

Question 9

Q: Why not use a laser pointer?

A: a laser pointer, though an actual laser with perhaps the correct wavelength, doesn't have enough energy to create a therapeutic effect.

Question 10

Q: How far does the low-level laser penetrate?

A: Laser light doesn't need to penetrate to the injury site to restore health as once the laser light stimulates the original receptors the receptors stimulate non-lasered cells triggering healing responses at the injury site.

Question 11

Q: How long does a laser treatment last?

A: Clinical studies show that positive laser results can be immediate and last many weeks or more but like many therapies laser may require several treatments to effectively resolve the underlining causes of pain and loss of function.

Question 12

Q: When do you use the low-level laser?

A: Immediately after a new injury to speed healing by preventing muscle weakness, restoring joint and stopping further injury. Low-level laser should also be used with chronic injuries to reduce pain, improve muscle strength, and increase joint movement.

Question 13

Q: Why not just treat the point of pain?

A: Fastest healing occurs when both the point of pain and nerves associated with the point of pain are treated simultaneously.

Question 14

Q: Why not receive just one treatment?

A: Although the literature supports that one treatment of low-level laser therapy can generate a significant improvement in pain, strength, and joint movement long-term pain relief often requires multiple treatments.

About Low Level Laser Therapy

FDA Approved Medical Technology

Low Level Laser Therapy (LLLT) has been used worldwide for over 40 years to relieve pain, remove scars, heal wounds, regenerate nerves and solve addictions. On January 17th, 2002, the first U.S. Low Level Laser Therapy (LLLT) company, Erchonia, the laser you're being treated with, received FDA clearance through clinical trial. The study took 100 patients complaining of Neck and Shoulder pain. Half were treated with a useless red light (placebo group), similar to that on a computer mouse or grocery check-out, and the other half received LLLT. The treatment group beat the placebo group by 66%! That's 66% faster relief and more complete relief, a remarkable margin. Such a study is known as "double blind" research, and is the gold standard for measuring the validity of a therapy. Similar studies have been passed by the FDA for Carpal Tunnel, Wounds and Scar Tissue. There are over 2000 published studies on LLLT reporting zero negative side effects. Visit www.Erchonia.com for in-depth research.

"What does this thing do again?"

In a nutshell, Low Level Laser Therapy (LLLT) causes tissues to heal faster – muscle, skin and nerve 66% faster according to the above FDA study.

Specifically, LLLT works at the cell level. Human cells produce a chemical known as ATP (adenosine triphosphate) to run the body and heal tissue. All of our body's activities result from the use of ATP, it's like gasoline to a car. LLLT stimulates a micro-structure within the cells called the mitochondria (nicknamed the "powerhouse" because it produces ATP) to produce slightly higher amounts of ATP. Thus with more ATP at the cell level, tissues heal faster, and therefore relief comes quicker.

Conditions and Symptoms As is true of many alternative therapies, you may receive alternative benefits to being treated, *in addition to* what you wanted fixed in the first place. This is because the ATP being produced is "systemic", meaning although we're focusing the laser on a particular area, the ATP is ultimately being sent throughout your entire body. The list of symptoms responding to LLLT is growing, and more valid research is being performed on a daily basis.

Acute & Chronic Pain - Carpal Tunnel – TMJ – Sciatica - Sports Injuries - Scars & Scar Tissue – Neuropathy - Wound Healing - Neck & Back Pain - Headaches & Migraines – Fibromyalgia - Nerve & Disc Pain

Number of Treatments needed: 4-12 treatments are necessary to begin the healing process of tissue, although in some cases relief can begin immediately. Maximum treatment would be 1x per day per area, minimum would be 1x per week to still see results. Multiple areas of complaint may be treated. This treatment cycle may need to be repeated, and eventually spread out.

Cost

Individual LLLT Treatment 4-7 minutes	\$30.00 per complaint
Package of 10 treatments	\$200.00 (\$20.00 ea.)