

LASER QUESTIONS & ANSWERS

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

For:

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: 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.

"My most important tool" - Dr. Jeff Spencer, 2004 ICA Sports Chiropractor of the Year.

IMPORTANT FACTS ABOUT THE ERCHONIA LOW LEVEL LASER

What is a Low Level Laser?

LASER is an acronym which stands for **L**ight **A**mplification by **S**timulated **E**mission of **R**adiation. The term "radiation" in the word laser is often misinterpreted because the term is also used to describe radioactive materials or ionizing radiation. The use of the word in this context, however, refers to light transfer between locations. The light generated by the Erchonia low level laser is red because its wavelength is in the visible light spectrum at 635nm. The laser light will not be felt during a treatment because the laser at 5 mw of power is not strong enough to create undesirable tissue heating or cell vibration.

Beneficial effects of the Erchonia Low Level Laser 635nm red wavelength

1. **Increased cell energy.** Increases energy to power the processes that get us well.
2. **Promotes circulation.** Increases blood flow to promote health and healing.
3. **Increases natural antioxidants.** Protects the body from harmful free-radicals.
4. **Recycles protective enzymes:** Enzymes promote recovery and wellness.
5. **Increases protein production:** Increased protein production supports tissue repair.
6. **Promotes healthy cell multiplication:** Healthy cell division supports tissue function.
7. **Microbe control:** Controls undesirable microbes in the body.
8. **Improved immunity:** Boosts the body's natural immunity to illness.

Laser Benefits – Fell better, More energy, Enhanced well-being!

Distinguishing Features of the Erchonia Laser Healthcare Low Level Laser

The Erchonia Low Level Laser has distinguished itself as the leader in low-level laser technology for the following important reasons:

1. **First Low Level Laser to Receive FDA 510(k) for the Treatment of Chronic Pain.**
2. **Enhanced Patented Dual Line-Generated Beam Technology**
3. **Scientifically Proven 635nm Wavelength**
4. **6 FDA Market Clearances – 4 FDA Clearance Pending**
5. **Proven Through Level 1 Clinical Trials**
6. **Multi-Million Dollar Allocation for Low Level Laser Research and Development**
7. **ISO certification:** Erchonia Laser Healthcare is ISO certified which guarantees that each and every laser manufactured adheres to the highest manufacturing standards.
8. **Erchonia Low Level Laser Featured On/In:** Nightline, NBC, The Doctors, CBS, Wall Street Journal, USA TODAY, The New York Times, FOX

"The Erchonia Low Level Laser Is my most important tool"

- Dr. Jeffrey Spencer, DC – 2004 ICA Sports Chiropractor Of The Year