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LOW LEVEL LASER THERAPY

Low level laser therapy (LLLT) is a medical and veterinary treatment that uses low-level lasers to alter cellular function. In order to understand completely about this technology, some basic information must be understood. A laser is a focused beam of light that emits photon energy. When light is focused properly, all the photons of energy are traveling in the same direction and at the same wavelength; this is called coherent light. When light is not focused but rather scattered in all directions and becomes diffuse, it is called non-coherent light.

The laser that I have chosen to utilize is the Erchonia low level laser (3LT). The Erchonia laser made history by becoming the first 3LT laser in the world for the treatment of chronic neck and shoulder pain in humans. This was substantiated by double blind studies proving the efficacy it has on chronic pain. This laser works by emitting visible coherent light that is applied to the affected area. **This type of laser works by increasing cellular regeneration and increasing cellular communication.** All cells need energy to heal. Research has shown that the use of laser increases the energy that is needed by every cell in the body to perform every function, to maintain health and well-being or to regenerate and heal themselves after injury. Many times when cells are injured, they lose the ability to communicate and this Erchonia low level (cold laser) laser helps to restore this vital communication. In injured musculoskeletal tissue, low level laser initiates increased microcirculation and enhances tissue regeneration. The overall effects are decreased pain and inflammation, and increased range of motion.

Erchonia lasers have been proven to be successful in treating many canine, feline and equine medical conditions such as chronic non-healing wounds, chronic joint pain, arthritic pain, muscle strains /sprains, muscle tears, post surgical pain, bone fractures and degenerative conditions.

Treatments generally last between 9 and 12 minutes. The laser beams do not have to directly touch the skin making it very practical for pets that may be unsettled in the examination room. The number of treatments needed will vary from case to case, but it is recommended that a series of thirteen treatments be given over a period of 4 weeks.

