

THE FX 635 LASER

BY ERCHONIA

This handy dandy piece of equipment is The FX Laser that you'll now find in our office. This allows us to take care of practice members experiencing low back pain with a new care plan option.

This non-invasive, pain-free part of our care targets low back pain and improves quality of life without surgery. The FX Series is the only FDA Market Cleared Laser to provide relief for chronic low back pain of musculoskeletal origin.

The average practice member who utilizes this form of care has shown to have a 58% reduction in low back pain.



HOW IT HELPS:

NECK PAIN

80% of all test group subjects had a 30% improvement in neck pain compared to only 14% of the placebo group reporting an improvement. Post laser range of motion measurements showed significant improvements in range of motion for the neck and shoulders. The Erchonia low-level laser is a safe and effective therapy used for temporary pain relief and improvement in range of motion for patients with persisting pain in the neck and shoulder areas starting from conditions of osteoarthritis, muscle spasms and cervical and thoracic spine strain. This study helped the Erchonia Corporation low level laser to become the first low laser of any kind to be approved by the FDA.

LOW BACK PAIN

Study subjects were male or female, 18 years old or older and were required to have pain located in the lower back that was ongoing for more than 3 months. Subjects were instructed not to take any muscle relaxing or anti-inflammatory medications or participate in any lower back pain management such as chiropractic care, physical therapy, occupational therapy, acupuncture or hot or cold therapy. The purpose of this study was to determine the effectiveness of a low-level laser for providing temporary acute relief of lower back pain. Subjects were randomized in an outpatient clinic setting. Half the patients received eight 20 minute treatments to the lower back region with the active laser and the other half received eight 20 minutes treatments to the lower back region with a sham laser. Treatments lasted 4 weeks consisting of 2 treatments a week. Overall 72.4% of subjects treated with low-level laser therapy achieved a 30% or more decrease in low back pain. Based on this study the FDA cleared the Erchonia® FX-635™ for relief of chronic low back pain.

PLANTAR FASCIITIS

Plantar fasciitis affects nearly 1 million people annually in the United States and chronic plantar fasciitis develops in about 10% of patients. Chronic plantar fasciitis is a more difficult clinical problem to treat with traditional nonoperative treatments. In a study 30 patients were given low-level light therapy and completed 12 months of follow up. Patients were given therapy 2 times weekly for 3 weeks for a total of 6 sessions and then evaluated 2 weeks, 6 months and 12 months post therapy. This study demonstrated promising results for the treatment of acute and chronic pain with plantar fasciitis.

KNEE AND ACHILLES TENDON PAIN

In 2004 an article was published in the American Journal of Physical Medicine and Rehabilitation, after 42 test animals' knees were injured, half received low-level light therapy and half did not receive therapy. The authors concluded laser enhances protein production in arthritic joints and repairs the arthritic cartilage. Mitochondria provides about 90% of the energy our body as a whole needs to function. The primary reaction of laser light is in the mitochondria, which increases production of ATP. APT is the molecule that stores and transfers energy in cells. Researchers injured the achilles tendon of test animals. A total of 12 laser sessions were performed consecutively. After researchers analyzed the tendons it showed improved healing when compared to the injured control group. Lasers are sterile, painless, and do not have the side effects of pharmaceuticals. Laser therapy increases the production of ATP that our bodies require to function without increasing the radicals which damage and age our bodies.