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The Power of Low-Level Lasers in Pediatric Treatments

Seminar Videos / September 24, 2023

Clinical Applications in the Pediatric Communit...



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About Us: With over 25 years of experience, 18,000+ devices in the market, and 22 FDA-clearances, Erchonia® Corporation are world leaders in medical-grade laser

Video Summary (AI-Assisted):

When we speak of innovation in medical treatments, lasers are often at the forefront. While lasers have a multitude of uses, their impact in the pediatric community stands out exceptionally. If a single piece of equipment or medication offered all the benefits of a **low-level laser**, it would revolutionize the medical world. But why is this laser so special?

Key Benefits of Low-Level Lasers

Decreasing Neuroinflammation

Neuroinflammation is linked to conditions such as autism and brain injuries. Lasers help in drastically reducing this inflammation, paving the way for better brain function.

Boosting Cellular Energy: ATP Production

Cells require energy (ATP) to function optimally. By targeting specific areas of the brain with lasers, we can boost cell energy, thus enhancing their efficiency.

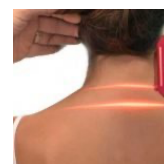
Increasing Cerebral Blood Flow

More blood flow to the brain means enhanced cognitive skills, concentration, and overall better brain health.

Promoting Brain Derived Neurotrophic Factor (BDNF)

Medical grade Laser Therapy technology for professional use. Erchonia's range of non-thermal, Low-Level Laser Therapy (**LLLT**) devices are used in many areas, including **pain relief, fat removal, cellulite reduction, fungal nail treatment**, and more. Based in the UK, Erchonia Lasers Ltd are a subsidiary organisation. We provide personal support to companies in Europe... **Read More**

Essential Reads



An Overview of Low-

Level Laser Therapy (AKA Cold Laser Therapy / Photobiomodulation)

BDNF is vital for neuroplasticity — the brain’s ability to form new neural connections. Research even suggests that lasers can aid in creating new neurons, further strengthening these connections.

Additional Benefits

- Eradication of free radicals – the “bad stuff” in the brain.
- Improved gut function.
- Enhanced cognitive skills.
- Pain relief.
- Non-invasive with no side effects.

Real-life Laser Success Stories

One of the most compelling testaments to the efficacy of laser treatment is observing real-life outcomes.

I recall a young child who showed significant hyperactivity and often made inappropriate sounds. Despite numerous tests and treatments, there was no improvement. However, just four sessions with our low-level laser dramatically changed his behavior. From being a restless kid who would need restraint during treatments, he transformed into a calm child engrossed in reading a book on his own. This is the power and potential of laser treatments in pediatric care.

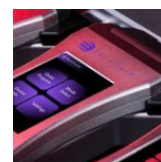
Making Therapy Efficient with Lasers

Incorporating laser treatment into therapy sessions, whether it’s functional neurology, chiropractic, or speech pathology, can



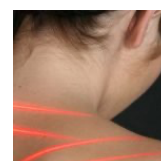
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The
Science

amplify the outcomes. For instance, while working on cerebellar integration (essential in developmental delay), using the laser magnifies the effectiveness of the therapy. Such was the case with a young girl recovering from a brain injury; as she took her first steps post-injury, we targeted her cerebellum with the laser, providing the necessary energy boost to make her task achievable.

The Versatility of Lasers

The adaptability of lasers is one of its most commendable features. Not only are they beneficial for brain treatments, but they're also effective in activating the vagal system. This promotes a parasympathetic drive, which is crucial for children to counterbalance the prevalent sympathetic overload.

Conclusion

The versatility, efficiency, and profound impacts of low-level lasers make them an indispensable tool in pediatric therapy. When used correctly and consistently, they hold the potential to reshape pediatric treatments and offer children a brighter, healthier future. As practitioners, we owe it to our patients to harness this powerful tool to its maximum potential.



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Erchonia

® Lasers: A
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Erchonia's President



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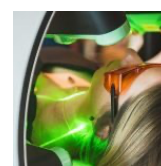
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