

Erchonia EVRL® Low Level Laser Therapy – Information Sheet

Supporting Regulation, Healing, Brain Function & Functional Development

At Children's Therapy Services, we use evidence-informed, functional neurology approaches to support children's neurological, sensory, emotional, and physical development. The Erchonia EVRL® Low Level Laser is one of these tools, providing a non-invasive way to support cellular function, regulation, and healing.

What Is Low Level Laser Therapy (LLLT)?

Low Level Laser Therapy (cold laser therapy) uses specific wavelengths of light to interact with the body at a cellular level. The Erchonia EVRL® delivers red and violet light to targeted areas, helping cells produce more energy (ATP) and function more efficiently.

This supports communication between cells, enhances healing, and supports nervous system regulation.

It is used to:

- Support cellular energy production (ATP)
- Enhance healing and tissue repair
- Support nervous system regulation
- Reduce inflammation and discomfort
- Improve communication between brain and body

Why We Use the Erchonia EVRL® Laser in Our Clinic

Children with regulation, sensory, or neurological challenges may benefit from support at a cellular and nervous system level. The laser provides gentle, targeted input to help the body and brain function more efficiently.

The laser may be used to support:

- Emotional regulation and calming
- Gut function and digestion support
- Vagus nerve activation
- Brain function and hemisphere balance
- Recovery from stress or injury

Understanding How the Laser Supports Therapy

Cellular Energy & Healing

- Stimulates mitochondria to increase ATP
- Enhances cell repair and communication
- Supports healing and recovery

Nervous System Regulation

- Supports calming of the nervous system
- Reduces stress responses
- Improves overall regulation

Functional Neurology Applications

- Supports brain activation and organisation
- Enhances brain-body communication
- Supports hemisphere balance

How the Laser Is Used

The laser is used during therapy sessions as part of an individualised programme with specific protocols.

Examples of use:

- Gut protocols
- Vagus nerve stimulation
- Frontal cortex and cerebellum support
- Motor strip activation
- Emotional regulation protocols

What Are the Benefits?

- ✓ Improved regulation
- ✓ Enhanced healing
- ✓ Better gut and vagal function
- ✓ Improved attention
- ✓ Support for brain development

Who May Benefit?

This may support children with:

- Sensory processing challenges
- Gut or digestive issues
- Attention difficulties
- Emotional regulation challenges
- Neurological differences

Is It Safe?

Yes. The Erchonia EVRL® is non-invasive, does not produce heat, and is safe when used under professional guidance.

Our Approach

The laser is integrated into a whole-child therapy plan alongside functional neurology and sensory approaches.