



NEUROVision
CLINIC



**Neuro
Solutions**
INTERNATIONAL



What is Neurological Reorganization?



Why

“I was drawn to Neurological Reorganization (NR) when my daughter started having extreme behavioural reactions related to her overactive startle response. The severity of her fight-flight reaction was incomprehensible to me. She would go into an uncontrollable state of panic to certain sounds like hand driers. It was like she was fighting and fleeing for her life every time she heard it. Instead of lessening, her reaction only became more and more exaggerated. There was nothing I could do to console her, calm her or rationalize with her. As she grew, I started to notice additional concerning behaviours like lack of attention and focus, trouble reading, and problems with memory, coordination, and impulse control. She was also diagnosed with amblyopia (lazy eye). I found ways for her to cope and compensate, and avoid triggering these behaviours as much as possible, but I was determined to help her with a permanent solution. NR has helped her become well adjusted and solve her anxiety.

As a Doctor of Optometry in Neuro-Visual Development, I have seen many people of all ages gain huge benefit in their overall growth, behaviour, and sensory-motor skill since combining NR with Vision Therapy rehabilitation in my practice. I know that greater opportunity is attainable. I believe in life beyond labels, limitations, and loss, and that is why I do this.

- Dr. Coralee Mueller, Optometrist in Vision Development

NEUROLOGICAL REORGANIZATION

- a non-invasive, drug free program for helping those who have any form or degree of developmental delay or damage to the central nervous system.
- a neurodevelopmental program that uses movement, sensory, and reflex integration.
- a movement based program that you perform at home under the supervision and guidance of your NR practitioner.

OUR PROCESS

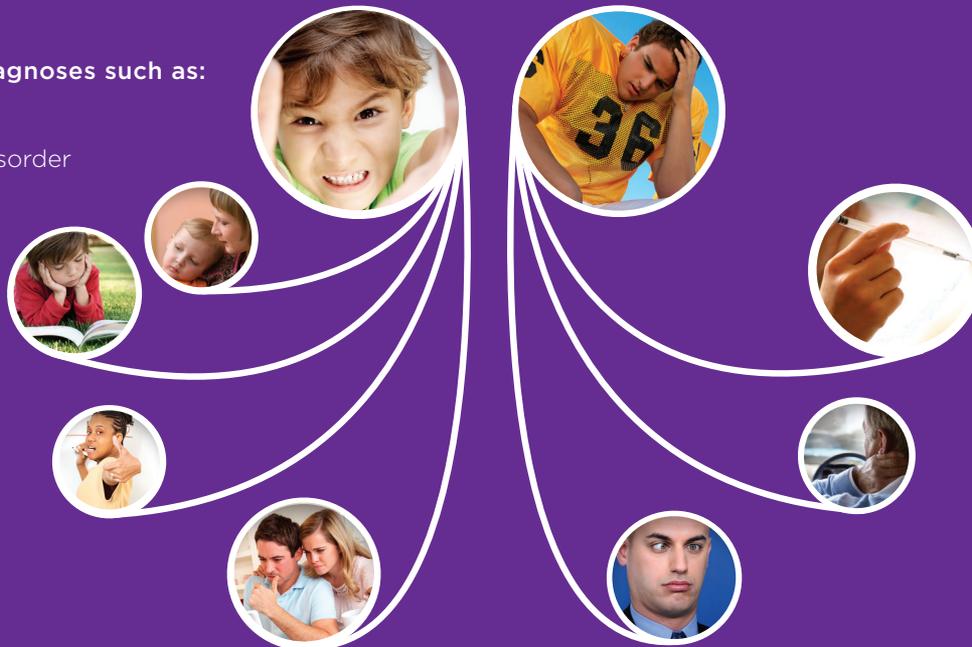
Initial Evaluation: We review your history including all current symptoms and development. We examine your neurological profile by having you perform certain tasks designed to elicit a response from a particular area of your brain.

Program Development: We provide you a verbal report of our findings and design a personalized neurodevelopmental program to address your concerns. We instruct you on how to perform the exercises at home and monitor your progress with you.

Recurring Re-evaluations: We re-examine your neurological profile every 12 weeks as you progress. We refine your program to promote your continued development.

People we work with can have diagnoses such as:

- Reactive Attachment Disorder
- Attention Deficit/Hyperactivity Disorder
- Obsessive Compulsive Disorder
- Oppositional Defiant Disorder
- Developmental Delay
- Global Developmental Delay
- Autism Spectrum Disorder
- Cerebral Palsy
- Learning Disability
- Bipolar Disorder
- Schizophrenia
- Memory loss



- Fetal Alcohol Spectrum Disorder
- Sensory Processing Disorder
- Speech Delay
- Poor Fine/Gross Motor
- Depression
- Anxiety
- Stroke
- Traumatic Brain Injury
- Post Traumatic Stress Disorder
- Amblyopia/Lazy eye
- Strabismus/Turned eye
- Convergence Insufficiency
- Oculomotor Dysfunction

How It Works

Neuroplasticity: Due to neuroplasticity your brain can recover at any age by growing new brain cells and new connections between cells. This requires frequency, intensity, and sufficient duration of exercise to take effect.

We replicate the natural developmental sequence, which is what every unimpeded, unimpaired infant goes through to optimize their neurology. It is composed of mobility, sensory, vestibular, and reflex stimulation.

Mobility exercises include tummy crawling, creeping on hands and knees, and other related activities.

We address sensory needs through visual, auditory, and tactile stimulation.

For vestibular stimulation, we use an array of activities to move quickly and briefly through space, like jumping, spinning, and rolling.

For reflex integration, we include whole body reflexive movement patterns.

Every brain develops from the bottom up with the lower levels providing a foundation for the higher levels. It is important that each level is fully optimized, leaving no gaps in the foundation, as a gap will affect the function of the upper levels of the brain. All sensory and motor systems develop together.

What it does: NR provides the foundation in the lower levels of the brain which supports the higher levels and enhances Vision Therapy work when performed in conjunction with VT. In the vision system, the lower levels of the brain are responsible for making things automatic such as: horizontal eye tracking (moving your eyes smoothly from side to side), vertical eye tracking (moving your eyes smoothly from up and down), eye teaming and convergence (pointing both eyes at the same target at the same time, particularly when looking at close range).



Alexandra Lily

Certified NR Practitioner

When I came across Neurological Reorganization, my son's life began to make sense and I excitedly began to explore this amazing program. I was determined not to surrender to a label of "intellectual disability" and

I was ready to do the work necessary to address the injury to his brain. My son

began the program and I soon realized that I wanted to train as a Neurological Reorganization Practitioner - not only helping him but others as well. The work of NR gave us hope when the world said there was none. I am here now to extend hope to you. I truly believe there is life beyond labels, limitations, and loss.

Alexandra Lily

Certified Neurological Reorganization Practitioner

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Dr. Coralee Mueller

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Dr. Coralee Mueller is an Optometrist in Vision Development. She is the founder of NeuroVision Therapy Clinic and practices through Behavioural and Neuro-Optometric assessment. She is a Fellow with the College of Optometrists in Vision Development, Board Certified in Rehabilitative Optometric Vision Therapy and a Certified NR Practitioner. She is a Clinical Associate with the Optometric Extension Program Foundation, the Neuro-Optometric Rehabilitation Association, and a member of Canadian Optometrists in Vision Therapy and Rehabilitation.



Dr. Mueller completed her Doctor of Optometry with Honours from the University of Waterloo in 2001. In 1997, she graduated from the University of Western Ontario with an Honours Bachelor of Science double major in Physiology and Psychology, with Distinction. Throughout her university career she was involved in vision research and received numerous awards for academic achievement and research.

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