Neurological Brain Repair

Brain Damage by Traumatic Injuries – Underdeveloped Brainstem & Spinal Cord

The Human Brain, “Gray Matter” is a major component of the central nervous system that contains neuronal cell bodies, dendrites, and synapses.

What Gray Matter Does:

• Processes Information: Evaluates sensory inputs like touch, vision, and hearing.

• Controls Movement: Directs voluntary muscle activity and coordination.

• Supports Cognition: Manages memory, attention, language, thought, and decision-making.

• Regulates Emotions: Handles emotional responses and behavioral self-control.

Where It Is Located:

• Cerebral Cortex: Forms the wrinkled outer layer of the cerebrum.

• Cerebellum: Covers the surface (folia) and forms deep nuclei.

• Subcortical Nuclei: Found in deep brain structures like the basal ganglia and thalamus.

• Spinal Cord: Arranged in an inner, H-shaped or butterfly-shaped column.

Gray Matter vs. White Matter:

• Gray Matter: Consists mainly of unmyelinated cell bodies, giving it a grayish-pink appearance. It processes and interprets data.

• White Matter: Consists of myelinated axons (covered in a fatty white sheath). It acts as the cabling that transmits signals between different brain regions and the spinal cord.

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How and when does Gray Matter Develop:

Gray matter volume increases dramatically during the first two years of life, driving the vast majority of early brain growth.

Key Growth Milestones:

• First Year Growth: Total cortical gray matter volume increases by roughly 106% to 149% (with overall brain volume doubling to about 80% of adult size by age two).

• Second Year Growth: Gray matter growth slows down compared to the first year, increasing by about 11% to 19% during year two.

• Overall Trajectory: Gray matter reaches its lifetime maximum volume around age 2 to 3 years before later shifting toward synaptic pruning in childhood and adolescence.

Regional and Structural Differences:

• Year 1 Patterns: Primary sensory and motor cortices grow more slowly initially, while association cortices (such as language, temporal, and frontal regions) experience rapid expansion.

• Year 2 Patterns: Frontal and parietal association regions accelerate their development.

• Subcortical Structures: Most subcortical areas double in size during the first year, though the hippocampus grows at a slower rate (about 82%–86%) before speeding up in year two.

• White Matter Comparison: Hemispheric gray matter grows substantially faster (around 149%) than white matter (around 11%) during the first year.

How do we get the Brain to Repair Damage?

We must use the Growth Hormones found in Brains of the Proper age for the Brain Repairs that are Required.

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Some birth Brain Damage is caused by a lack of proper blood flow during the development period prior to birth.

We must use the new MRI type referred to as “Velocity Spectrum Imaging (VSI),” permitting our viewing of Chemicals and Blood-Flow within the Brain being viewed. This new MRI Technique permits doctors to view Blood-Flow, so as to ensure that Blood-Flow is sufficient for proper growth, as it may have been compromised during the Brain’s development period.

If Blood-Flow can be corrected, then it would be best to do so prior to administering the Required Growth Hormone for Brain Repair.

If Blood-Flow cannot be repaired in the affected region Requiring Repair, then the Growth Hormones will be known to be administered for a longer period of time to prevent Blood-Flow restrictions hindering Growth Hormone Repair during Treatment.

The Issue:

We do not currently have and know the exact Growth Hormones Required for Brain Repair.

We do however know when in a Human’s Development the Growth Hormones may be located within the Human Brain.

Unfortunately, there is not a single doctor who wants to attempt retrieving the Required growth Hormones from a Live Child’s Brain, adding to the dilemma for how to acquire the Growth Hormones for proper Treatment.

It is with a heavy heart it must be said that for us to discover the Growth Hormones to be used for Brain Injury Repairs, we will have to test and find the Required Hormones in the Brain’s of Children, and or, Fetuses who have died by other causes. Such experimentations and study are out of an absolute necessity, rather than wanting to do it.

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Yet, much like Stem Cell study such a discussion is a Highly Sensitive Topic with the majority of those within our society.

We will continue to make breakthroughs in such research. However, it is expected to be slow and controversial progress.

The only good news from such discovery is that we will have found and acquired the knowledge to help a multitude of Humans who have suffered from Traumatic Brain Injuries; as well as adolescent diseases that affect the Human Brain. With continued study once the Hormones have been found, we very well may be able to make synthetic Growth Hormones for use without a need to extract the Growth Hormones for use, from those we have lost at a young age.

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