Simkovich
CRANIAL INSTITUTE

THE SCIENCE BEHIND THE TREATMENT:
CRANIAL BONE MOVEMENT AND BRAIN HEALTH

Simkovich Cranial Institute is a revolutionary treatment primarily for people with problems arising from autism, concussions and learning disabilities. The procedures administered have been used for the past 30 years in the private practice of Dr. Charles A. Simkovich. During this time, he has treated over 30,000 patients, achieving overwhelmingly positive, predictable results.

Dr. Simkovich's early involvement during the investigation and research stage challenged the traditional thinking of the time. During that time period, it was thought that our cranial bones were fused early in life, which isn't the case. One landmark study which proved that cranial bones do, indeed move, was done at Michigan State University School of Medicine in the Department of Physiology. Ironically, they quantified the movement of the parietal suture, (which is the skull's least movable suture)!

It was this research, as well as other landmark studies, such as the Russian Space program and NASA's research, from which the doctor's work was based. Once it was established that cranial bones move, the movement of each cranial bone needed to be identified, how they interact with each other through their articulations, and more importantly, the effect this movement has on how the brain functions. This was accomplished and is currently the technology used for the basis of the treatment.

What significance does cranial bone movement play in brain health? The cranial bones all move in a very specific, intrinsic manner, similar to other systems in the body, such as the heart beating. Unlike the heart, which one can see it's movements with the naked eye with each beat, cranial bone movement is more like a rhythmic "pulsing". An individual develops symptoms if the normal cranial bone movement is altered. What alters normal cranial bone movement? Physical trauma (such as a blow to the head as in a concussion) or chemical trauma (as in one being exposed to chemical or toxic substances). In both cases, the restoration of normal cranial bone movement allows the brain to heal.

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Cranial Injury Complex: This is the reason people who have had these faults start struggling in school, have emotional breakdowns such as anger outbursts and depressions, memory issues, all which *have a devastating effect on a person both* academically and socially.

The cranial injury complex can cause various cranial faults which can have a detrimental effect on functions like eye-tracking, short term memory, diminished left brain function (logical brain), and over stimulated right brain function (emotional brain). This is the reason people who have had these faults start struggling in school, have emotional breakdowns such as anger outbursts and depressions, memory issues, all which have a devastating effect on a person both academically and socially. Further, important glands are found in the brain such as the pituitary gland (master gland) which sits right in the middle of the brain on the sella turcica. This gland controls and dictates many of the functions needed to function normally. Also present is the pineal gland. This gland controls serotonin levels, critical in the case of Post Traumatic Stress Disorders (PTSD).

Another extremely critical function of cranial bone movement is the pumping of cerebrospinal fluid (CSF). While CSF has many functions, one main function which is critical to one's well being is the removal of metabolic waste from the central nervous system (brain and spinal cord). After an incident where the cranial bone movement is decreased (whether from physical or chemical trauma), the CSF flow is slowed. This allows the metabolic waste products to remain in the central nervous system longer than they should, which slowly kills brain cells. The restoration of normal CSF flow allows the brain to regenerate and heal. This is all accomplished through the treatments Dr. Simkovich practices.

While learning disorders affect an individual academically, autism presents with problems which are both brain-related as well as many organic issues, such as gut issues, allergies, immune issues, etc. The challenges are great for the autistic individual and extends into normal daily routines of the entire family.

With the technology utilized with this treatment, the autistic patient is physically rehabilitated to allow maximum healing of the brain and related organic systems.

This helps other autistic interventions to be more effective since the body is now more readily able to utilize the various vitamins, dietary changes, etc. which are currently being used to treat autism today.

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