

EPILEPSY, SEIZURES AND CHIROPRACTIC

HEALTH ISSUES #48

Epilepsy is classified as a brain disorder in which normal neuronal patterns become disturbed. In other words, the nervous system is interpreting and processing information incorrectly.

Numerous case studies have shown that regular chiropractic adjustments may help reduce the amount of seizures that a patient experiences. They may also have the ability to decrease the intensity and frequency of the seizures.

Because the vagus nerve has been associated with seizure disorders, chiropractic care only makes scientific sense.

The craniocervical junction is a potential choke point for craniospinal hydrodynamics and may play a causative or contributory role in the pathogenesis and progression of neurodegenerative diseases including seizures.

NEUROLOGY RESEARCH INTL

Flanagan, M, The Role of the Craniocervical Junction in Craniospinal Hydrodynamics and Neurodegenerative Conditions 2015



A study showed that 88% of pediatric patients experienced a significant reduction in the frequency and severity of their epileptic seizures.

J. MANIPULATIVE PHYSIOL THER

Pistolesse, R. (2001). Epilepsy and seizure disorders:24(3), 199-205

“Chiropractic adjustments reduced negative brainwave activity and seizures of patients.”

Hospers, L. Proceedings on the national conference on Pediatrics and Chiropractic, 1992, 84-139

Adjusting the segmental dysfunction may normalize the sensory input, thus having an inhibitory effect on somatovisceral reflexes.

SPINE JOURNAL

Pickar J.G. Neurophysiological effects of spinal manipulation 2002;2(5):357-37



SPINAL FUNCTION AND HORMONAL HEALTH

HEALTH ISSUES #38

The limbic system is the area of the brain that maintains homeostasis and the hypothalamus is perhaps the most important part of the limbic system. When the body is in a state of homeostasis, the precise amount of hormones are released into the bloodstream and the body functions smoothly; but when the control mechanism malfunctions, the results can be severe and even life altering.



"The hypothalamus receives signals from all possible sources in the nervous system, thus the hypothalamus is a collecting center for information concerning the internal well-being of the body, and in turn, much of this information is used to control secretions of the globally important pituitary gland."

GUYTON'S PHYSIOLOGY

10th Edition, Philadelphia, WB Saunders Publishing Company, p. 935

"With few exceptions, hormone deficiency or hormone excess is the result of pathologic manifestations in the neural pathways that supply the hypothalamus."

HARRISON'S PRINCIPLES OF INTERNAL MEDICINE

14th Ed. New York; McGraw-Hill Publishing p.138

Spinal nerve interference and its resulting decrease in function may be a significant cause of endocrine dysfunction and hormonal related health problems.

"Lesions of the hypothalamic input region may produce a variety of symptoms, including diabetes insipidus, obesity, sexual dystrophy, somnolence, and loss of temperature control."

CORRELATIVE NEUROANATOMY

Cuusid, J. 18th Edition, Los Altos, CA Vange Medical Publications, p. 25

"Today, neuroscientists know that in many cases, psychopathology (depression) arises because of dysfunctions in particular brain structures or particular brain chemicals."

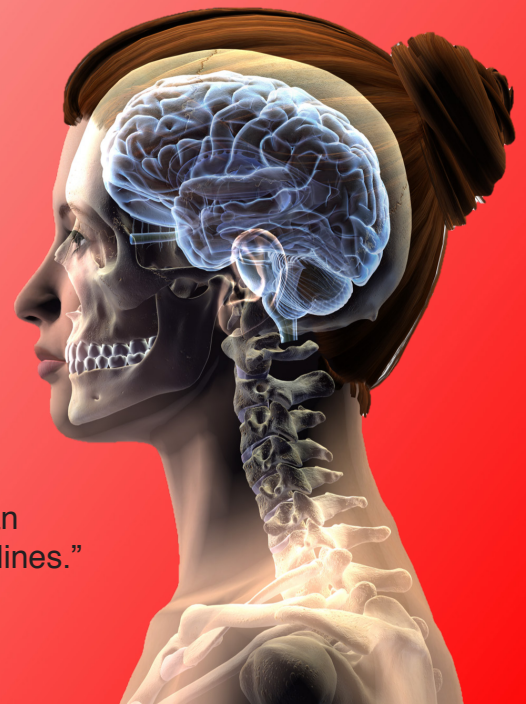
AMERICAN SCIENTIST

Jacobs, B. "Depression and the birth and death of brain cells" Aug 2000

"The name, "hypothalmo-pituitary-adrenal-axis dysfunction" is an accurate medical description, but would never make it into the headlines."

DR. PHILIP GOLDSMITH

Schirof, J. Melancholy Nation US News and World Report Mar.(99)



ADHD AND CHIROPRACTIC

HEALTH ISSUES #40

Attention-deficit/hyperactivity disorder (ADHD) is a developmental neurobehavioral disorder characterized by symptoms of inattentiveness, hyperactivity, and impulsiveness. It affects up to 10% of children and 5% of adults worldwide. The number of children being diagnosed ADHD, has increased 53 percent in the past decade. Emerging research is demonstrating that spinal nerve dysfunction may play either a primary cause or significant contributing factor in ADHD.

“Up to 50% of children with ADHD exhibit motor abnormalities including altered balance and postural abnormalities.”

GAIT POSTURE

Buderath, P, Gartner, K, Frings, M. Postural and gait performance in children with attention deficit/hyperactivity disorder. 2009 Feb;29(2):249-54

Humans are born with a reflex called “symmetric tonic neck reflex” (STNR). This reflex helps us to operate our upper and lower body independently.. This can be achieved through crawling for at least six months. It has been found that at least 75 percent of those diagnosed with ADHD/learning disorders had immature symmetric tonic neck reflex contributing to their condition.

Konicarova J, Bob, P, Raboch, J. Persisting primitive reflexes in medication-naïve girls with attention-deficit and hyperactivity disorder, Neuropsychiatric Disease and Treatment 2013; 9

“Disruption of neurological signaling results in ADHD-like behavioral manifestations.”

Sandau, S. Astrocyte-Specific Disruption of SynCAM1 Signaling Results in ADHD-Like Behavioral Manifestations PLoS One. 2012; 7(4)

The reduction of the upper cervical vertebral subluxation was concomitant with improved quality of life, sleep and visual evoked responses in a patient with Attention Deficit Disorder.

Dickholtz M. Improvement in Quality of Life in a Patient with ADHD Journal Upper Cervical Chiro Res. August 27, 2012:71-6

“Our findings found improvement in ADHD symptoms as well as behavioral, social, or emotional difficulties, and (they) provide supporting evidence on the effectiveness of chiropractic in the treatment of children with ADHD.”

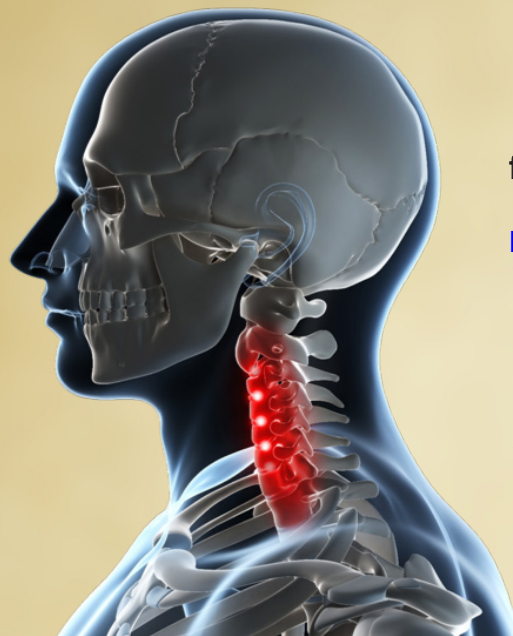
Explore (NY). 2010 May-Jun;6(3):173-82. The chiropractic care of children with attention-deficit/hyperactivity disorder: a retrospective case series.



HEADACHES AND CHIROPRACTIC

HEALTH ISSUES #25

Although headaches are not caused by just one source, a growing body of research clearly demonstrates that a majority of headaches are caused by problems in the cervical spine. The vertebra of the cervical spine can become misaligned because of excessive or repetitive stress. These misalignments irritate the nerves in the neck and cause muscle tension all of which can contribute to a variety of headaches.



“Anatomical and clinical evidence exists which indicate that disorders in the structure of the cervical spine are a frequent cause of headaches.”

MODERN MANUAL THERAPY OF THE VERTEBRAL COLUMN

Jull, G. Churchill Livingston, P.322

“Headaches are frequently caused by compression of cervical nerve roots and prolonged tension of the neck muscles.”

BASIC NEUROLOGY

Gilroy, J. McGraw-Hill p.92



“Headaches are more frequently caused by spinal stress than any other condition.”

JOURNAL OF OCCUPATIONAL TRAUMA

Matthews, S. Jnl of Occ Trauma, 1993

“Over 70% of all headaches arise from problems with the cervical spine and its related structures.”

CANADIAN FAMILY PHYSICIAN

Boake, H. Cervical Headache, 72 p. 75-78

Current theories suggest that a central nervous system dysfunction is involved in the initiation of migraine headaches, with subsequent activation of the trigeminovascular system.

CEPHALALGIA

Russell MB (1997) Genetic epidemiology of migraine and cluster headache 17:683-70

Chiropractic adjustments of the cervical spine were found to be superior in terms of reducing tension headache frequency, intensity, and also improving functional status of patients when compared to standard medical treatments.

SPINE

Hurwitz EL, Aker PD, Adams AH Manipulation and mobilization of the cervical spine. Spine 1996 Aug 1;21(15):1746-59


Cervical spinal adjustments are associated with significant improvement in headache outcomes in trials involving patients with neck pain and or neck dysfunction and headaches.

DUKE EVIDENCE REPORT

McCrory D. “Evidence Report: Behavioral and Physical Treatment for Tension and Cervicogenic Headaches.

HEALTH ISSUES

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