

Correction of dramatic cranial changes after traumatic impact on a 2-year-old: A case report [Abstract]

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Indexing terms: Chiropractic; cranial; parietal fracture; head injury.



Introduction:

This case report describes the application of cranial techniques to correct dramatic cranial changes presenting in the cranium of a 2-year-old after sustaining severe blunt-force trauma to the left parietal (See Figure p. 3)

Initial Presentation:

Patient presented with a fractured left parietal bone secondary to receiving a blow to the top of his head from the full weight of a 10-foot pressure-treated 4x4 board (~70lbs, 31kg). Patient had been taken to the Emergency Room where Tylenol was administered, and a CT was taken after 3 hours of observation and then patient was released. The patient did not lose consciousness but experienced some confusion, difficulty with balance, and difficulty speaking for 4 days post-impact.

Assessment:

Assessment of Neurological Deficiencies showed reduced ability to speak (slurring) and reduced ability to balance (unable to stand unassisted). The front portion of his parietal bone appeared to have been pushed inferior beneath the temporal bone, which in turn had flared laterally and inferiorly.

Methods of Care:

Treatment focused on lifting the front portion of the parietal bone and de-rotating the left temporal bone. In addition, treatment worked to maintain flow of CSF.

Results:

Fracture has fully healed. Ear flare difference is imperceptible. Head shape is equal and symmetrical. No lasting verbal or cognitive impairment.

Discussion:

Addressing mechanical displacement of cranial bones in the acute stage of care alleviated verbal impairment and allowed for a symmetrical and functional healing of cranium.

Conclusion:

Cranial techniques can be gentle enough and powerful enough to be used on a fractured cranium to allow for full healing in a young child.

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About the practitioner

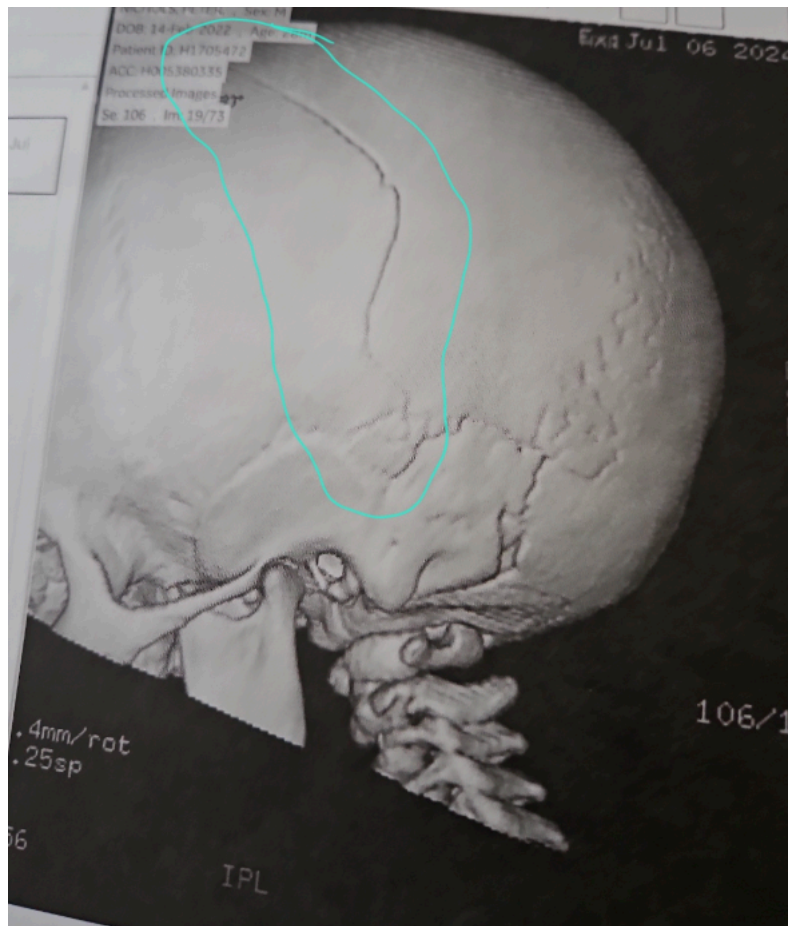


Jesse Nichols DC is a second generation Chiropractor and is a recent graduate from Parker University. His chiropractic college studies focused on post-partum sacropelvic recovery, and organizing SOT mini-seminars, supporting the SOT club and SOT elective class. He is currently taking a deep dive into studying sacro occipital technique (SOT) being mentored by his mother Keila Nichols, DC who has been a long time teacher and practitioner of this method of care.



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L) parietal view showing fracture line



A video by Dr Nichols

