

Resolution of infantile brachycephaly, plagiocephaly, and torticollis without the use of a cranial remodelling orthosis: A case report [Abstract]

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Indexing terms: Chiropractic; SOT; Cranial Remodelling; plagiocephalic asymmetry; plagiocephaly.



Introduction:

In this paper I explore alternative treatments to the Cranial Remodelling Orthoses (DOC BandR, STARbandR) for nonsynostotic cranial deformation of infants.

Initial Presentation:

Examination of 3-month-old revealed nonsynostotic brachycephaly with general flattening of occiput and specific flattening of the right occiput near lambdoidal suture. Posterior parietals were shoved superiorward creating a tall posterior cranium. Also noted was moderate plagiocephalic asymmetry with the right frontal, zygoma positioned anteriorward, and right lateral flexion torticollis.

Assessment:

Lambdoidal restriction, especially right-sided, creating growth asymmetry of the occiput. Occipital flexion lesion (shortened AP distance, Falx Cerebri tension, high palate, especially right-sided) causing flat occiput and tall posterior parietals. Clockwise lateral strain of the Sphenobasilar junction causing plagiocephaly, torticollis.

Methods of Care:

Treatment focused on releasing lambdoidal restriction, reducing sphenobasilar torsion, restoring occipital motion, redirecting cranial malpositions.

Results:

At 9 months, full resolution of brachycephalic, plagiocephalic asymmetries, superior parietals, and torticollis.

Discussion:

Proper assessment of the cause of the cranial deformity is key in determining resolution.

Conclusion:

Improved research using measuring devices, better photography, and accessible training of infant cranial technique could advance the options of care for nonsynostotic cranial deformities.

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About the practitioner



Keila Nichols, DC has been practicing in the Northeast Dallas, Texas suburbs since 1989. She utilises traditional chiropractic techniques, including Sacro Occipital Technique, Craniopathy, Manipulative Reflex Technique (CMRT), as well as homeopathy and functional medicine. She enjoys functional medicine and spending any spare time with her husband and 5 'almost-adult' children.



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