

PLAGIOCEPHALY STUDY: TREATED VS. UNTREATED



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“Treated Versus
Untreated Positional
Head Deformity”

JF. Wildbrand, et al.
(J Craniofac Surg 2016; 27: 13-18)

OVERVIEW OF STUDY CONCLUSION

**1. Plagiocephaly does not
go away on its own.**

*“no clear evidence of improvement...in untreated
cranial deformity.”*

**2. Cranial remolding
helmets are effective.**

*“clear improvement in nonsynostotic head deformity
treated with an individual molding helmet.”*

MORE ABOUT THE STUDY

Study Design

- Longitudinal Cohort Study (5 – 6 years per child)
- Infants enrolled between January 2006 – December 2008
- Treated (n=40) Vs. Untreated Plagiocephaly (n=41)

Findings

	MEDIAN AGE (Entry)	MEDIAN AGE (Exit)	Δ MEAN CVA*
GROUP 1: Untreated	6.9 Months	5.9 Years	9.5 mm to 9.4 mm
GROUP 2: Helmet Treated	7.1 Months	6.7 Years	17.4 mm to 3.9 mm

*Cranial Vault Asymmetry



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