

The Four Basic Head Shapes



- Parallelogram-type shape
- Flattening on one side
- One of the most common asymmetries

Plagiocephaly



- Long and narrow head shape
- Commonly associated with skull plate fusion
- More common in preemies

Scaphocephaly



- Wider or taller head shape
- Flattening is evenly distributed at the back of the head

Symmetrical Brachycephaly



- A combination of plagiocephaly and brachycephaly characteristics

Asymmetrical Brachycephaly

Where do I go?

If you are interested in having your baby assessed and/or treated for plagiocephaly or other cranial asymmetries, **International Prosthetics and Orthotics** has a highly experienced cranial specialist available to answer any questions you may have.

International Prosthetics and Orthotics is an ABC Accredited Facility. We accept insurance and are happy to work with you so that your baby can obtain appropriate and timely care.



Contact us for an evaluation



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This brochure is not intended to be used in place of professional medical advice.

Cranial Asymmetries & Remolding Helmets



- What is plagiocephaly?
- How did it happen?
- The 4 basic head shapes
- How do we fix it?
- Post-operative treatment
- General treatment schedule
- Why use STARband® helmets?
- Where do I go?

An informative brochure presented by:



What is Plagiocephaly?

Plagiocephaly is a relatively common condition, easily described as a flattening of certain areas of an infant's skull. Prolonged external pressure over time on one area of a baby's developing head can cause it to flatten and misshapen. With early intervention it can be corrected.



The Head Shape Experts
starband®
When nature needs a nudge.

How did it happen?

There are several causes of Plagiocephaly. Common causes include, but are not limited to: restrictive positioning in the womb, premature birth, congenital muscular torticollis (tightening of the neck muscle), trauma at birth, the use of birthing instruments, and/or cervical spine abnormalities. Sometimes it can be a combination of factors. Having babies spend an excessive amount of time on their backs and not enough time on their tummies can also contribute to the development of Plagiocephaly.



How do we fix it?

By using a safe, non-invasive laser scanning system, a precise 3D-image of your baby's head is captured on the computer. From this image, a mold is created and a custom STARband® cranial helmet is made. These cranial helmets work by guiding the direction of growth of the infant's skull. Each helmet is specifically designed to allow flattened areas to grow while preventing further growth in more prominent areas.

Post-Operative Treatment for Craniosynostosis

If your child had endoscopic surgery to correct cranial asymmetry due to craniosynostosis, International Prosthetics and Orthotics also provides post-operative helmets. We work very closely with both your baby's surgeon and pediatrician to ensure timely fittings and on-going care.

Please call to discuss this treatment option.

General Treatment Schedule

- Initial evaluation and scanning procedure (approx. 1 hour).
- Fitting appointment (approx. 1 hour).
- Quick follow-up appointment 1 week after receiving the helmet.
- Quick follow-up appointments every 2-3 weeks thereafter for adjustments as needed throughout treatment.
- Overall course of treatment takes an average of 4 months, depending on age and severity.



Why use STARband® helmets?

"Over 100,000 infants have been successfully treated with the STARband, the first cranial remolding orthosis with FDA clearance available to O&P practitioners across the United States and around the globe."

- *Orthomerica.com*



Before STARband Treatment



After STARband Treatment