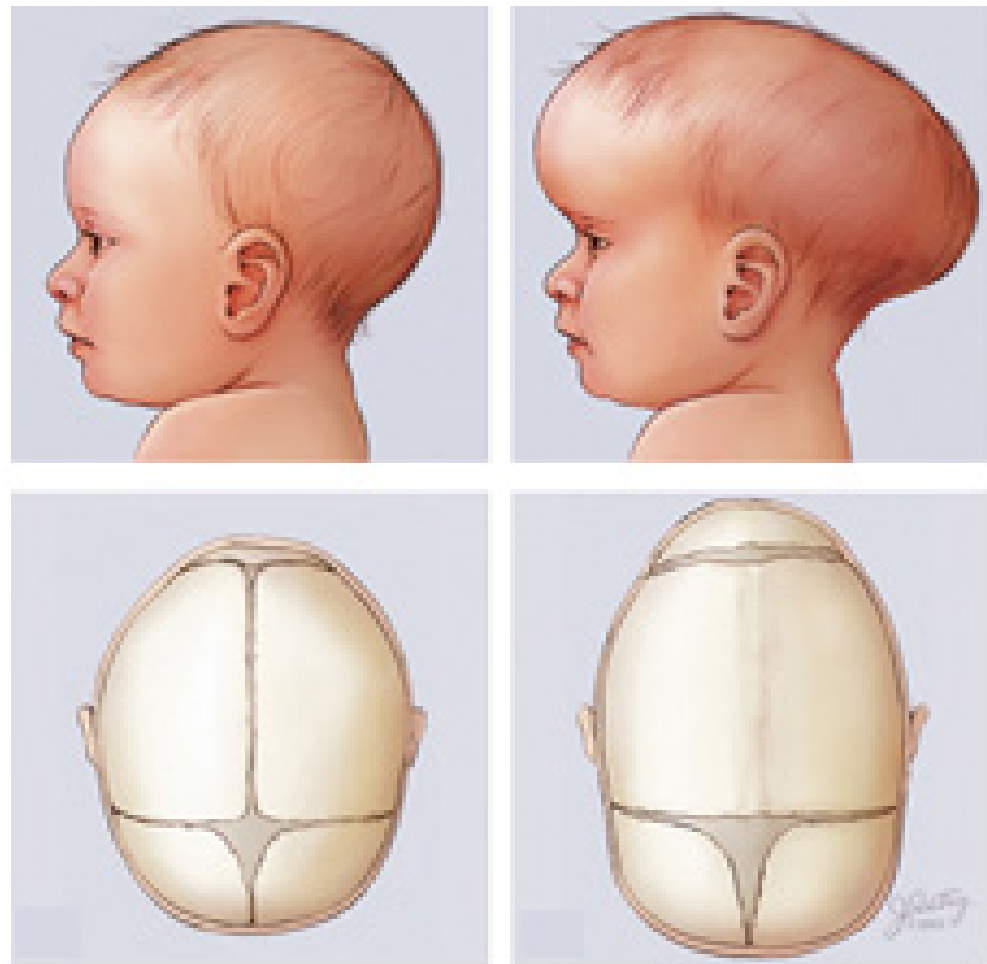




THE CRANIOSPRING

A bioresorbable cranial spring for sagittal craniosynostosis treatment

BACKGROUND



1 in 2100 newborns suffer from sagittal craniosynostosis

Results in an **elongated skull** and **impaired brain development** from cranial sutures fusing prematurely

PROBLEM

Current treatment options are limited by their **safety** and **accessibility**

Helmet Therapy

30-70 follow-up visits over 12-17 months



\$2000 out-of-pocket helmet costs

Vogel et al., 2019

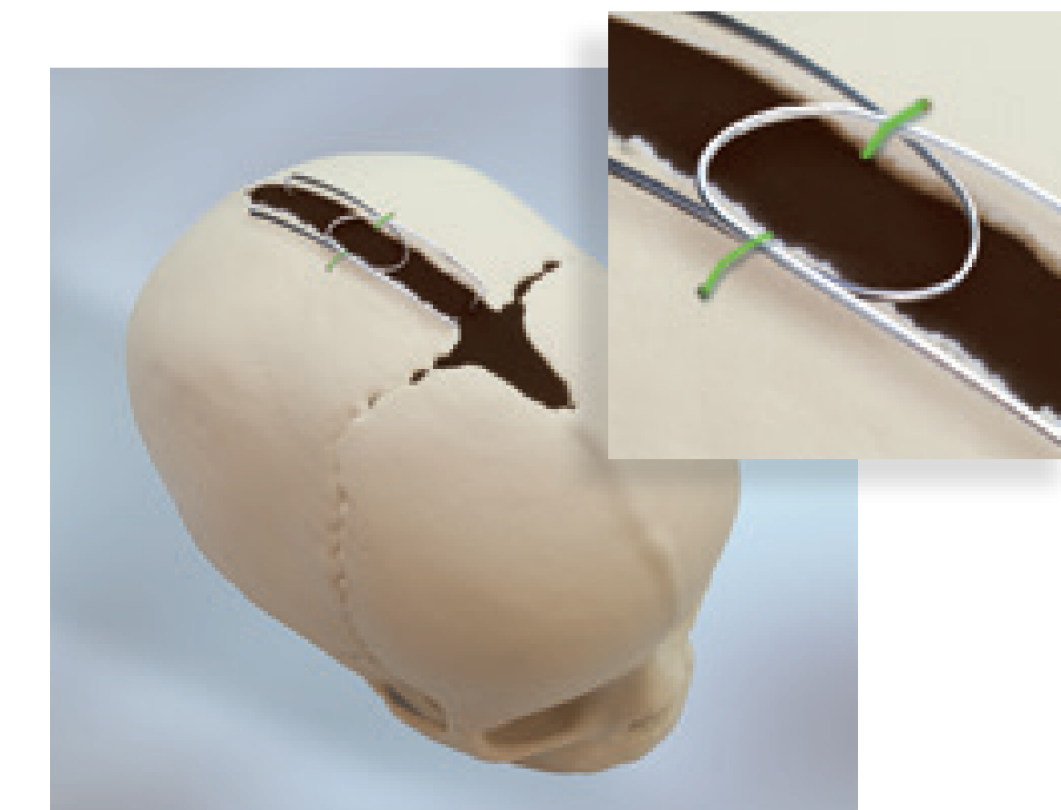
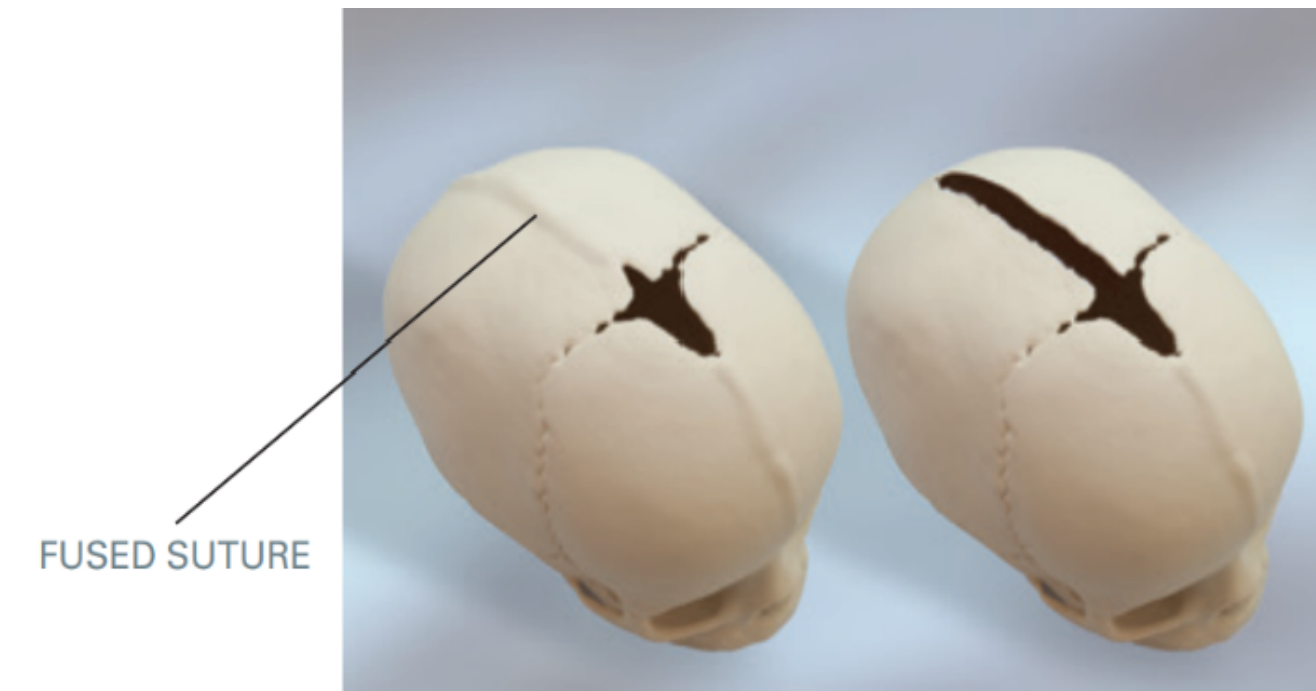
Cranial Spring Surgery

2 pediatric surgeries under anesthesia are required

20% risk of an adverse event occurring

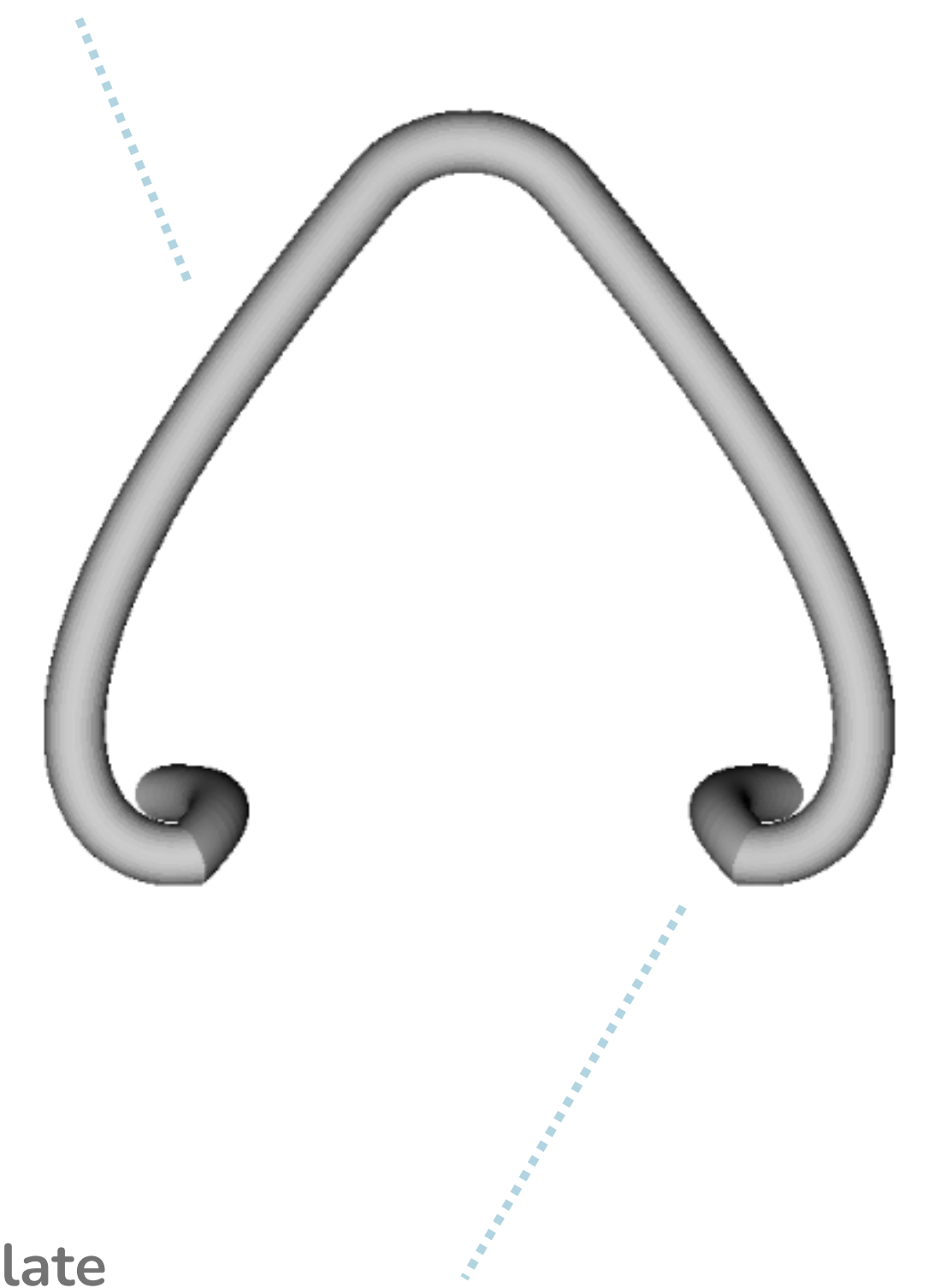
Gonzalez et al., 2012

OUR SOLUTION



Bioresorbable Cranial Spring

- Made of non-toxic resorbable polymers and metal alloys
- Eliminates the need for a second surgery and follow-up visits
- Fits into existing surgical workflow



Foot Plate

- Designed to hook securely under the skull bone
- Smooth and rounded to reduce the possibility of dural tear

Team

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