

# POSITIONAL PLAGIOCEPHALY & CRANIAL REMODELLING ORTHOSIS (CRO)

## INCIDENCE

Research has indicated that the incidence of positional plagiocephaly in infants may be

up to **46.6%**<sup>2-29</sup>

The incidence of plagiocephaly and brachycephaly has increased by 300-600% in the last thirty years largely due to the "Back to Sleep" campaign.<sup>2-15</sup>

## SUCCESS OF CRO TREATMENT

Current literature concludes that CROs are effective in correcting deformational head shapes. The success of these treatments dependent on many factors:<sup>1-40</sup>

Age

Ideally 4-6 months

Compliance

20 + hrs/day

Severity

At the start of treatment

There is no impact of CROs on cranial growth or development of infants.<sup>20-28</sup>

## EARLY INTERVENTION

Research shows that beginning treatment for deformational plagiocephaly **before the age of 6 months** old leads to quicker and more effective results.<sup>6-34</sup>

Treatment times were shown to increase with higher severity and/or initial age. **Younger and less severe infants tend to have shorter treatment durations** and less residual cranial deformation after CRO treatment.<sup>14-25</sup>

## TREATMENT OPTIONS FOR POSITIONAL PLAGIOCEPHALY

Mild Severity and Younger than 6 months<sup>1-19</sup>



Physiotherapy  
Occupational Therapy  
Chiropractic Therapy  
Repositioning Measures

We are able to treat mild cases if repositioning is unsuccessful or parental concern is high.

Moderate to Severe or if treatment starts after 6 months<sup>1-20</sup>



Cranial Remodelling Orthosis (CRO)



~ 4-6 months

CRO TREATMENT DURATION

## UNTREATED PLAGIOCEPHALY

Evidence shows that untreated plagiocephaly may also result in the following:<sup>11-29</sup>

TMJ DYSFUNCTION

VESTIBULAR IMPAIRMENT

OCULAR IMPAIRMENT

HEADACHES

III FITTING SPORTS/ OCCUPATIONAL HELMET

III FITTING GLASSES



SCAN FOR REFERENCES