

Common Q&A

What can be done if flat head is diagnosed before 4 months old?

Try to change your baby's sleep position frequently, e.g. turning head to the side while sleeping, and give more tummy time.

Is the treatment painful?

No, CRO does not cause pain. It securely holds the head and guides its growth in the desired direction without disturbing the baby's normal growth.

Will CRO affect the growth of the baby's head?

No, CRO does not impede the natural growth of the baby's head. Instead, it helps reshape the head by guiding its growth towards the desired shape.

Prosthetic & Orthotic Services

Happy Valley

Hong Kong Sanatorium & Hospital
2/F, Central Block
2 Village Road, Happy Valley, Hong Kong
Tel: (852) 2835 8648
Fax: (852) 2892 7518
Email: prosthetic@hksh-hospital.com
www.hksh-hospital.com

Service Hours

Monday to Friday: 10:00 am - 6:00 pm
Saturday: 11:00 am - 3:00 pm
Closed on Sundays and Public Holidays
Consultation by Appointment

For enquiries and appointments,
please contact us



Cranial Remolding Orthosis (CRO)



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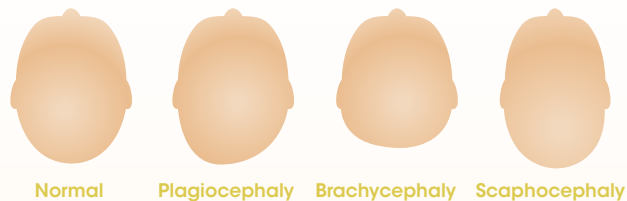
With the support of professional prosthetist-orthotists and advanced 3D scanning equipment and computer programme at Hong Kong Sanatorium & Hospital, the Cranial Remoulding Orthosis (CRO) provides a reliable and effective way to manage and correct infant skull shape deformation before skull fully develops.

This specialised device helps guide the growth and reshaping of an infant's skull, ensuring proper development and preventing long-term complications associated with cranial deformities.

What is Flat Head Syndrome?

Flat head syndrome is a common condition that affects the shape of a baby's skull. It is characterised by the development of a flat spot either on one side or at the back of the head. The flat area may be at the back of the head, i.e. brachycephaly, or on the side, plagiocephaly. The latter results in an asymmetrical head shape and can also lead to ear shifting and forehead bulging.

Different Types of Flat Head



Consequences of Flat Head Syndrome

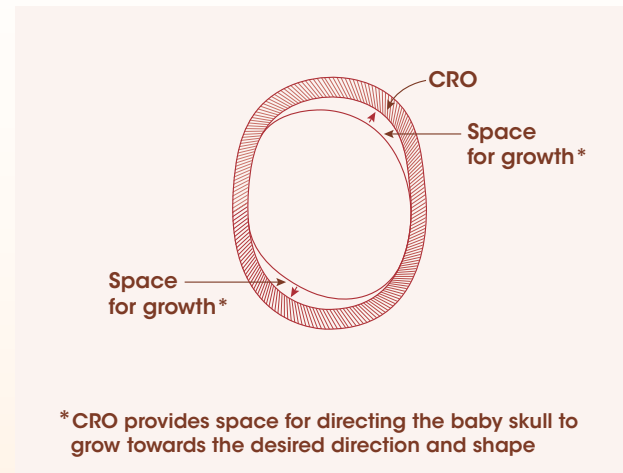
In addition to cosmetic concerns, some studies have suggested that there is a possible correlation between abnormal cranial shapes and the following issues:

- Early developmental delays
- Auditory problems
- Balance difficulties
- Vision impairments

Treatment for Flat Head Syndrome

Cranial remolding orthosis (CRO) is a safe and effective method for redirecting the growth of a baby's skull towards the desired shape. During treatment, the shape of the baby's head is captured by a 3D scanner to create a computer-generated 3D model. A custom-made helmet is produced based on this model to promote proper head growth.

CRO does not squeeze the baby's head. It holds the protruded region of the baby's head while providing space for the flattened region, directing head growth in the desired direction.



Optimal Timing for Treatment

As head growth mostly occurs within the first year of a baby's life (about 80%), early intervention is crucial to address this deformity. For infants aged 4 to 6 months, a 3-to-6-month treatment is recommended. Treatment may take longer to achieve the desired results if it begins after 6 months of age.

Sample Cases

