

Pictorial CME

Baby with a Large Head

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A newborn child was brought to the paediatrician because of an “abnormal looking head”. Above is the picture of the child. The mother had no significant illness or teratogenic drug exposure in the antenatal period. There is no similar history in the family.

- (1) What is the abnormality ?
- (2) What are the causes ?
- (3) What is the treatment ?

Answers :

- (1) This cephalic abnormality is called trigonocephaly
- (2) Trigenocephaly is one type of craniosynostosis (premature fusion of one or more sutures). It can be syndromic or isolated. Syndromes associated with

Editor's Comment :

- Congenital anomalies like Trigenocephaly needs to be spotted early and surgically repaired to prevent future cognitive impairment and cosmetic effects
- Most cases of trigonocephaly are not associated with any syndrome

trigenocephaly include Jacobsen syndrome and Opitz syndrome. There is also probable genetic link associated with this anomaly, like mutation in the FGFR1 gene.

- (3) Treatment is surgical, from simple suturectomy to frontal bone remodelling. Results are generally very good. Delayed treatment may cause cognitive dysfunction.

REFERENCE

- 1 Sumkovski R, Kocevski I, Micunovic M — Trigenocephaly: Case Report, Review of Literature and a Technical Note. *Open Access Maced J Med Sci* 2019; **7(1)**: 117-20.

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