

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 58887

**Manuscript Type:** CASE REPORT

**Three-year clinical investigation of a Chinese child with craniometaphyseal dysplasia caused by a mutated *ANKH* gene: A case report**

Three-year clinical investigation of craniometaphyseal dysplasia

## Abstract

### BACKGROUND

Craniometaphyseal dysplasia (CMD) is a rare genetic disorder. Autosomal dominant CMD (AD-CMD) is caused by mutations in the *ANKH* gene. Affected individuals typically have distinctive facial features including progressive thickening of the craniofacial bones. Treatment for AD-CMD primarily consists of surgical intervention to release compression of the cranial nerves and the brain stem/spinal cord. To alleviate the progression of the clinical course and improve the quality of life in children waiting

## Match Overview

1	<b>Internet</b> 149 words crawled on 16-May-2016 <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	4%
2	<b>Crossref</b> 41 words Kato, Tamaki, Hiroshi Matsumoto, Ayako Chida, Hajime Wakamatsu, and Shigeaki Nonoyama. "Maternal mosaicism of an A	1%
3	<b>Internet</b> 31 words crawled on 16-Mar-2020 <a href="http://pesquisa.bvsalud.org">pesquisa.bvsalud.org</a>	1%
4	<b>Internet</b> 26 words <a href="http://hdl.handle.net">hdl.handle.net</a>	1%
5	<b>Internet</b> 23 words crawled on 24-Jul-2020 <a href="http://www.wjgnet.com">www.wjgnet.com</a>	1%



A three-year clinical investigation of a Chinese child with craniomet:



ALL

IMAGES

VIDEOS

5,850 Results

Any time ▼

## cleidocranial dysplasia patients: Topics by Science.gov

<https://www.science.gov/topicpages/c/cleidocranial+dysplasia+patients.html> ▼

May 07, 2018 · **Cleidocranial dysplasia** is a **hereditary congenital disorder** that results in delayed ossification of midline structures, and is caused by mutations in the RunX2 (runt-related transcription factor 2) gene located on the short arm of chromosome 6. **Successful treatment** depends on multidisciplinary assessment and a comprehensive **staged treatment plan**.

## Novel heterozygous GATA3 and SLC34A3 variants in a 6-year ...

<https://onlinelibrary.wiley.com/doi/full/10.1002/mgg3.1222>

Mar 10, 2020 · Informed consent of **clinical** information and photographs were obtained from patients' parents. 2.2 Genetic studies. See Appendix S1. 3 RESULTS 3.1 **Clinical** characteristics. The patient, a 6-year-old boy, was the first **child** of nonconsanguineous **Chinese** parents with no history of renal hypo/**dysplasia**, deafness, or hypoparathyroidism.

**Author:** Sha Yu, Wen-xia Chen, Wei Lu, Chao Ch...

**Publish Year:** 2020

## Novel heterozygous GATA3 and SLC34A3 variants in a 6-year ...

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/mgg3.1222> ▼

The patient, a 6-year-old boy, was the first **child** of noncon-sanguineous **Chinese** parents with no history of renal hypo/ **dysplasia**, deafness, or hypoparathyroidism. After a normal pregnancy, he was born by spontaneous vaginal delivery at 38 weeks of gestation. Apgar scores were 10/1 and 10/5. Growth parameters showed birth weight of 3,200 g (in the

**Author:** Sha Yu, Wen-xia Chen, Wei Lu, Chao Ch...

**Publish Year:** 2020

## Two novel mutations in the EIF2AK3 gene in children with ...

<https://www.researchgate.net/publication/51075370...>



[ALL](#)
[IMAGES](#)
[VIDEOS](#)
[MAPS](#)
[NEWS](#)
[SHOPPING](#)

115 Results
 Any time ▾
 Open links in new tab ☒

## [cleidocranial dysplasia patients: Topics by Science.gov](#)

<https://www.science.gov/topicpages/c/cleidocranial+dysplasia+patients.html> ▾

May 07, 2018 · Cleidocranial dysplasia is a hereditary congenital disorder that results in delayed ossification of midline structures, and is caused by **mutations** in the RunX2 (runt-related...

rare autosomal-recessive disorder: Topics by Science.gov May 01, 2018

x-linked ectodermal dysplasia: Topics by Science.gov Apr 26, 2018

x-linked spondyloepiphyseal dysplasia: Topics by Science.gov Apr 26, 2018

recessive skeletal dysplasia: Topics by Science.gov Apr 05, 2018

[See more results](#)

## [spondylometaphyseal dysplasia kozlowski: Topics by Science.gov](#)

<https://www.science.gov/topicpages/s/> ▾

We **report a case** of 4 year 11 months old **child** with EEC syndrome having ectodermal **dysplasia**-cleft lip and cleft palate and ectrodactyly with some associated features. **Clinical** features,...

## [A novel mutation in the IHH gene causes brachydactyly type ...](#)

<https://www.researchgate.net/publication/11076087...>

We **report the case** of a **child** with a severe form of BDA1 with complete absence of the middle phalanges of all extremities. He had c.298G > A (p.D100N) mutation in IHH **gene**. Keywords...

## [Dominant De Novo Mutations in GJA1 Cause ...](#)

<https://www.researchgate.net/publication/268281397...>

The importance of the presence of Cx43 in bones is showed by skeletal defects in diseases such as ODD syndrome and **craniometaphyseal dysplasia** caused by mutations in GJA1, the **gene** ...

## [Killer cell immunoglobulin-like receptor gene ...](#)

<https://www.researchgate.net/publication/221872072...>

**ANKH**, the human homolog of the **mutated gene** in the ank/ank mouse, has been implicated in familial autosomal-dominant chondrocalcinosis and autosomal-dominant **craniometaphyseal**...