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

Manuscript NO: 55361

Manuscript Type: CASE REPORT

3 **First branchial cleft cyst accompanied with external auditory canal atresia and middle ear malformation: A case report**

Chunlin Zhang, Chunlei Li, Hangqi Chen, Qiang Sun, Zhaohui Liu

Abstract

BACKGROUND

We here report a rare case of first branchial cleft anomaly (FBCA) accompanied by bony atresia of external auditory canal, middle ear malformation, and location malformation of facial nerve according to the intraoperative findings.

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Rare congenital external auditory canal atresia, microtia, and cholesteatoma of mastoid and middle ear, in addition to the first branchial cleft anomalies were described by Yalcin et al. . In one of our case, with atresia of the external auditory canal two canals without anomalies of the pinna and middle ear ...

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The patient was diagnosed with a first branchial cleft cyst and left external auditory canal stenosis complicated by a canal cholesteatoma. She was scheduled for a canalplasty and excision of the first branchial cleft cyst.

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Author: Gregory C. Barkdull, Daniela Carvalho, D...

Publish Year: 2007

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Anatomically first branchial cleft cysts or their sinus orifice are located in Pochet's triangle . This triangle (Fig. 1) is bounded by external auditory canal superiorly, the mental region anteriorly and the hyoid bone inferiorly. They are often accompanied with repeated episodes of infection.

Cited by: 6

Author: Tripti Maithani, Apporva Pandey, Debraj D...

Publish Year: 2014

First branchial cleft anomaly: A case report - ScienceDirect

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In one of our case, with **atresia of the external auditory canal** two canals without **anomalies of the pinna** and **middle ear** were visible. The **diagnosis of branchial cleft anomalies** is based on clinical sign and the **lesion** site is highly suggestive of the diagnosis. Anomalies may present as a progressive enlarging or recurrent mass or **draining sinus**.

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A Type-II First Branchial Cleft Anomaly Presenting as a ...

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(1980) classified the **first branchial cleft anomalies** into **cysts**, sinuses or fistulas of the post-auricular region, lobule, **canal** or angle of the **jaw** to avoid confusion. A Arnot's type-1 lesions included **cysts** or sinuses in the parotid gland, whereas type-2 were found between upper neck and **external auditory canal**

...

Author: Jain S, Deshmukh Pt, Gupta M, Shukla S

Publish Year: 2014

First Branchial Cleft Anomaly: Clinical Insight into its ...

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Yalcin et al. reported a case where a **first branchial cleft lesion** was associated with **cholesteatoma of mastoid and middle ear**, **microtia** and **aural atresia**. **Bilateral ear** involvement in **FBCA** ...

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First branchial cleft abnormalities are rare. They may involve the **external auditory canal** and **middle ear**. We describe a 6-year-old **girl with congenital external auditory canal atresia**, **microtia**,...

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