

Orbital dermoid cyst

Ectopic cilia are extremely rare congenital anomalies in which eyelash follicles appear in an abnormal place on the eyelid, most typically on the lateral quadrant of the anterior surface of the upper eyelid. In the majority of cases, simple surgical excision of ectopic cilia is indicated because of its cosmetic aspect. There is usually no associated medical co-morbidity with this anomaly. The authors report an unusual case of ectopic cilia associated with an orbital dermoid cyst and sinus tract. A 3-year-old boy was initially diagnosed with ectopic cilia on the left upper eyelid. There was no history of inflammation or swelling of the eyelid. An ophthalmological examination revealed only 1 mm of ptosis; no proptosis, inferior displacement, or palpable orbital mass was present. During surgical excision of the ectopic cilia, a thin sinus tract was identified, leading posteriorly to the orbit. Magnetic resonance imaging performed after the excision showed a supraorbital extraconal mass just below the roof of the left orbit. A supraorbital 2-piece craniotomy was performed with total extirpation of the dermoid cyst. The cyst was removed en bloc without damage to the extraocular muscles, but the sinus tract could no longer be identified. Follow-up MRI was performed 6 months after surgery and showed no evidence of recurrence. A follow-up ophthalmological examination showed no signs of inferior displacement or proptosis. To the best of the authors' knowledge, this case is the first reported instance of ectopic cilia associated with a dermoid cyst and sinus tract in which no typical clinical signs and symptoms of possible orbital pathology were present. This case highlights the value of radiological examination in all cases of ectopic cilia prior to surgical excision ¹⁾.

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Krahulík D, Karhanová M, Vaverka M, Brychtová S, Pospíšilová D. Ectopic cilia associated with an orbital dermoid cyst and sinus tract: case report. J Neurosurg Pediatr. 2015 May 15:1-4. [Epub ahead of print] PubMed PMID: 25978533.

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