

## Dermoid Cyst: An Unusual Localisation

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### 1. Introduction

Benign congenital tumours known as dermoid cysts typically consist of ectodermal and mesodermal tissues. These cysts are most commonly located in the periorbital area.

The first documented case of a dermoid cyst associated with the tarsus was reported by Koreen et al. in 2009, noting only two cases in existing literature.

In this paper, we present a case of a tarsal dermoid cyst and discuss surgical management.

### 2. Clinical Observation

We report a case of a 30 years old male with a mass in his left upper eyelid, which had been present since childhood. Over the last three months prior to the visit, the lesion had noticeably enlarged. Upon examination, a firm, nontender mass measuring 6×4 cm was observed in the left upper eyelid, accompanied by minimal surrounding erythema (Figure 1).

The rest of the ophthalmologic examination showed normal results. Preoperative CT imaging demonstrated a cystic lesion consistent with a dermoid cyst of the eyelid.

The lesion was completely excised using an incision along the eyelid crease.

During the surgery, it was found to be firmly attached to the underlying tarsus.

The mass, along with its capsule, was removed en bloc, preserving the tarsus, and was sent for histopathological evaluation.

### 3. Conclusion

When encountering a congenital, firm, and mobile mass adjacent to surrounding structures that progressively enlarges, the possibility of an orbital dermoid cyst should be evaluated. Complete surgical excision of the cyst is both curative and effective in preventing recurrence or complications.



Figure 1: Medical image showing the eyelid cyst.



Figure 2: Surgical excision of the dermoid cyst.



**Figure 3:** the image shows the excised orbital dermoid cyst following complete surgical removal.

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