Introduction

Trichilemmal cyst, also known as a pilar cyst, forms from the outer root sheath of hair follicle. They are common benign tumors most often found on the scalp [1]. The involvement of the eyelids is quite rare. It presents as a smooth, firm, mobile, and round nodule without a visible punctum. There is often an autosomal dominant inheritance pattern as the lesion is frequently familial [2]. Till now, there are only few case reports of trichilemmal cyst of the eyelid [3-6].

Case Report

A 58 year old male from Bulendsar, UP, India was referred to Sharda Hospital because of a persistent static small swelling upper lid for last 10 years which is progressively increased over last three months. It was horizontally disposed [7-8], approximately 12mm/8mm in horizontal and vertical dimension. According to the patient this tumour first appeared as upper lid nodule. But for the last three months, it was growing rapidly and he was unable to open the eyelid. Patient developed ptosis and difficulties in vision due to large tumour and weight of the mass. There is drooping of upper eye lid since then. He is a non vegetarian and none of his family members had similar problem. An ophthalmic examination revealed a visual acuity of 20/40 in each eye due to presence of cataract which was not improved with pin hole or refraction [9-10]. The right upper lid has covered total cornea and almost 3/4th of palpebral apperature. A closer examination of anterior segment of both eyes were apparently normal except early cataractous changes. Both the fundii were normal.

Examination of upper lid showed a large swelling arising from the upper lid, involving the 1/3rd of the right upper lid. Surface was smooth, overlying skin stretched. The mass was not with any surface blood vessels, with no colour or temperature changes, no expansible impulse on coughing and on auscultation no bruit was heard. Texture of the tumour mass was firm and solid. Intra Ocular Pressure by Applanation Tonometry was 16mm hg in both the eyes. Schirmer value was 18mm and that of BUT 14 in both the eyes. Plain X Ray of right orbit showed a large, well-defined, solid solitary mass at lateral aspect of
upper lid just adjacent to lacrimal gland. measuring 3.1×2.1 cm, over Routine Blood Investigations were within normal limit. A clinical diagnosis of epithelial cyst was made. The patient underwent excisional biopsy of the right upper lid. A skin incision was made along the lid crease [11-12], the skin was undermined over the mass which was unexpectedly easy in view of its adherence to mass on preoperative examination and the mass was easily separated from the underlying orbicularis. The mass was removed in to and primary skin closure was done. The excised mass was white in color. Post operatively, the lid contour was normal and there was no ptosis. No recurrence or evolution of new lesion was noted on follow-up. The patient is highly satisfied for cosmetic and free of growth. Histopathological examination of the specimen revealed the mass was lined by stratified squamous epithelium that lacks a granular cell layer and was filled with compact “wet” keratin. Areas consistent with proliferation can be found in some cysts. In rare cases, this leads to formation of a tumor, known as a proliferating trichilemmal cyst. The tumor is clinically benign, although it may display nuclear atypia, dyskeratosis, and mitotic figures which often can be misread as the diagnosis of squamous cell carcinoma. Surgical excision is the only mode of management.

References