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RESEARCH ARTICLE

CLINICAL STUDY OF BENIGN CYSTIC EYELID TUMORS

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Key words:-

Cystic Eyelid Tumors, Chalazion,
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Abstract

Aims And Objectives: To study the incidence of benign cystic eyelid tumors.

Results: It was observed in our study that benign cystic tumors are most common in the age group of 30-45 yrs, in male patients, meibomian cyst are the common tumors.

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Introduction:-

Eyelids protect the eye, reconstitute tear film. Eyelids may be affected by congenital, inflammatory, benign, malignant tumors. Most of the tumors arise from epidermis and glands. Glands are Meibomian, Zeiss, Moll, eccrine, etc..

Material And Method:-

The study was conducted in the Department of Ophthalmology, Siddhartha medical college and Government General Hospital, Vijayawada. A total of 32 patients who came to the department were included in the study. The study was done for a period of 1 year during Nov 2021 to October 2022.

Inclusion criteria:

All cases with cystic eyelid tumors who attended outpatient department have been included

Exclusion Criteria:

Patients with previous history of ocular injuries and co morbidities have been excluded

Informed consent was taken from all patients. Visual acuity was assessed for both eyes. Detailed slit lamp examination was done to assess size, shape, margins and extent of lesions. Routine blood and radiological investigations were done. For larger cysts CT brain, orbits was also done.

Incision and curettage was done for most of the cysts.

Larger cysts excisional biopsy was done and specimen sent for histopathological examination. Depending on the report following results have been observed.

Results:-

Depending on incidence Male : Female ratio.

Sr. No	Sex	Number of patients	Percentage of patients
1	Male	18	56%

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2	Female	12	44%
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Depending on age

Sr no	Age distribution(years)	Number of cases	Percentage of cases
1	1-15	2	6.25%
2	16-30	7	21.875%
3	31-45	13	46.625%
4	46-60	7	21.875%
5	61-75	3	9.375%

Classification depending on etiology.

Sr. No	Etiology	Number of cases	Percentage of cases
1	Epidermoid cyst	6	18.75%
2	Meibomian cyst	23	71.8%
3	Hidrocystoma	2	6.25%
4	Sabaciouscyst	1	3.12%

Unilateral / Bilateral cases

Unilateral	Bilateral
31	1

Discussion:-

Cysts of the eyelid are divided into benign and malignant eyelid tumors involving meibomian glands, zeus glands, molls glands, eccrine glands etc. Meibomian cysts are commonest benign cysts filled with sebaceous secretions. Apocrine Hydrocystomas involve molls glands. Histopathological examination shows cystic spaces with 2 layers of secretory cells. Eccrinehidrocystoma is a ductal retention cyst, where a single layer of cells line the cavity. Sebaceous cysts are smooth, round formed due to blocked pilosebaceous follicles, trauma or rupture of cyst wall may lead to granulomatous inflammation.

Our study included 32 patients and shows that benign cystic eyelid tumors are most common in males patients – 56%, meibomian cysts were 72% epidermoid cysts- 18.75%, Sebaceous cysts- 3.12%, hidrocystoma-6.25%

Conclusion:-

Benign cystic eyelid tumors are most common in male patients. 99% are unilateral. Early diagnosis and surgical treatment is sufficient.

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