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Survey on pathologic and demographic finding of oculo-orbital tumors in Yazd,Iran

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Abstract

☐ AIM: To review epidemiological features of 200 cases of ocular and adnexal tumors to determine the demographic and location of tumors in Yazd, Iran from 1997 to 2007.

☐ METHODS: Retrospective, observational case series. We reviewed cases of histopathologically verified oculo-orbital tumors at our institution from 1997 to 2007, and studied the distribution of patients age, pathology, origin of tumors, and tumor location in 200 consecutive cases.

☐ RESULTS: Among the 200 cases(111 males, 89 females), 110 (55.0%) were benign tumors, 86 (43.0%) were malignant, and 4 (2.0%) were metastatic tumors. 119 tumors (59.5%) were eyelid tumors, 21 (10.5%) were orbital and 60 (30.0%) were in globe. The most frequent malignant tumors were basal cell carcinoma (BCC)(25.5%), squamous cell carcinoma (SCC) (6.0%) and melanoma (5.5%).All types of nevus (15.0%), dermoid cyst (5.5%) and hemangioma (5.0%) were the most frequent benign tumors respectively. The age distribution of 200 patients was divided into two groups, under 18 years old and over 18 years old. In age group of less than 18 years old patients, the most common tumors were benign (90.1%) malignant and metastatic tumors were 8.4% and 1.5% respectively. While, in patients over 18 years old, the common tumors were malignant (51.1%), benign tumors were 47.1% and metastatic tumors were 1 ☐ 8%.

☐ CONCLUSION: The pathologic profiles of orbital tumors were characterized according to patient's age

and the location of the tumor in the globe and adnexa. The age of onset and tumor location provide us with important information for prognosis prior to biopsy or tumor re-section and to determine the treatment strategy.
☐ KEYWORDS: oculo-orbital tumor,malignant,benign tumor,metastatic tumor

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