

Letter to Editor**Retinal detachment in Isfahan Feiz hospital (an epidemiologic study)**

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Rhegmatogenous Retinal Detachment (RRD) is a treatable condition that can lead to significant visual loss. Determining its epidemiology anticipates the high risk groups.

In this survey we determined the epidemiology and risk factors in operated RRD patients in Isfahan Feiz hospital from March 2002 to March 2004. So 506 files (325 male (64.2%), 181 female (35.8%)) were reviewed that 75 of them had trauma history (60 male (80%), 15 female (20%)).

From the whole, 343 patients (67.8%) were phakic, 122 (24.1%) pseudophakic and 41 (8.1%) aphakic.

The age of nontraumatic RRD was 40 to 70 year old and in traumatic was 10 to 39 year old. Of all, 162 patients (32.2%) had history of cataract surgery, 121 patients (24%) were high myopes, 75 patients (14.8%) had history of blunt trauma, 8 patients (1.6%) had history of intraocular surgery (not cataract) and 8 patient

(1.6%) had family history.

In our study age for nontraumatic RRD was 40 to 70 year old because of higher rate of PVD and cataract surgery in them. Another study in Taiwan showed this too.¹

The male/female ratio in nontraumatic RRD was 1.8:1. In a study conducted in New Zealand this ratio was 1.3:1² and in another study in South Africa it was 2:1.³

The age for traumatic RRD was 10 to 39 year old due to environmental factors and physical activities in this age group and the male/female ratio was 4:1. A study conducted in China also showed higher prevalence in men.⁴

In Feiz hospital the first risk factor for RRD was pseudophakia perhaps because of large number of cataract surgery. A study conducted in Minnesota showed that too⁵ and this is in contrast with the studies showed myopia is the first risk factor.¹⁻⁴

Conflict of Interests

Authors have no conflict of interests.

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