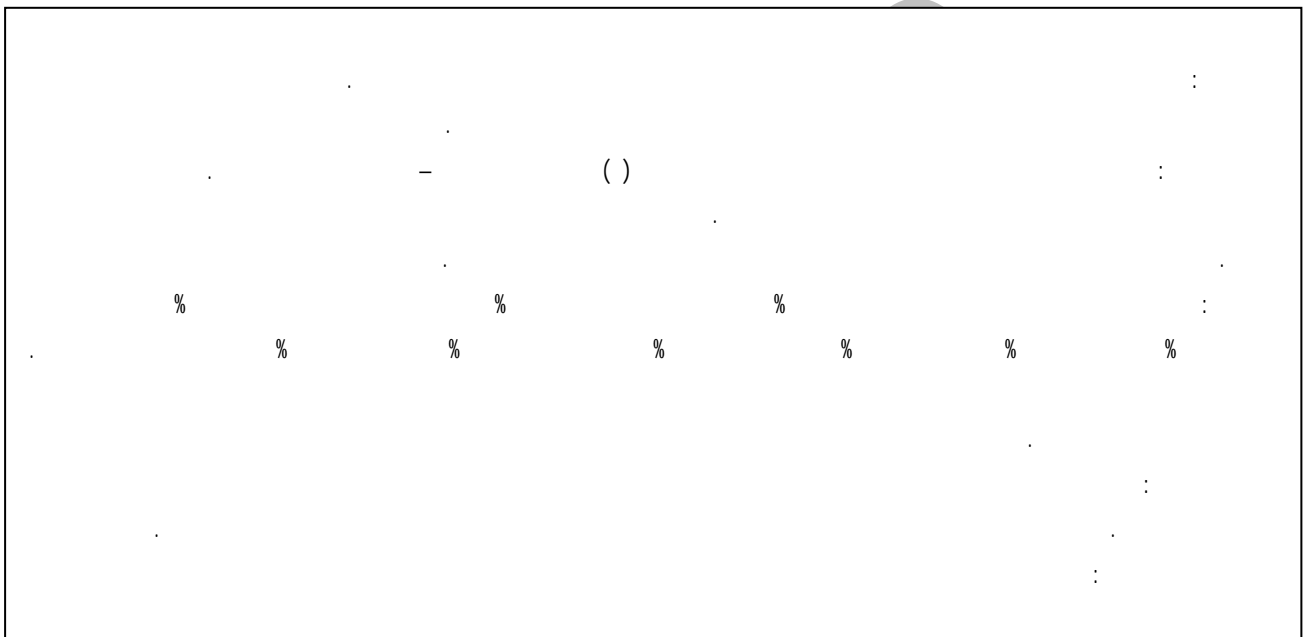




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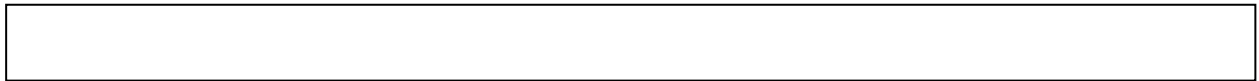
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References:

- 1- Noorani H.Z.: Scleral support surgery for pathologic myopia. *Issues Emerg Health Technol*, 2002; 39: 1-4.
- 2- Takashima T., Yokoyama T., Futagami S., Ohno-Matsui K., Tanaka H., Tokoro T., et al.: [The quality of life in patients with pathologic myopia]. *Nippon Ganka Gakkai Zasshi*, 2002; 106: 383-91.
- 3- Seidel D., Gray L.S., Heron G.: Retinotopic accommodation responses in myopia. *Invest Ophthalmol Vis Sci*, 2003; 44(3):1035-41.
- 4- Freund K.B., Ciardella A.P., Yannuzzi L.A., Pece A., Goldbaum M., Kokame G.T., et al.: Peripapillary detachment in pathologic myopia. *Arch Ophthalmol*, 2003; 121(2):197-204.
- 5- Benhamou N., Massin P., Haouchine B., Erginay A.: Gaudric A. Macular retinoschisis in highly myopic eyes. *Am J Ophthalmol*, 2002; 133(6):794-800.
- 6- Vongphanit J., Mitchell P., Wang J.J.: Population prevalence of tilted optic disks and the relationship of this sign to refractive error. *Am J Ophthalmol*, 2002; 133(5): 679-85.
- 7- Bottoni F., Tilanus M.: The natural history of juxtafoveal and subfoveal choroidal neovascularization in high myopia. *Int Ophthalmol*, 2001; 24(5): 249-55.
- 8- Ichibe M., Yoshizawa T., Murakami K., Ohta M., Oya Y., Yamamoto S., et al.: Surgical management of retinal detachment associated with myopic macular hole: anatomic and functional status of the macula. *Am J Ophthalmol*, 2003; 136 (2): 277-84.
- 9- Yoshida T., Ohno-Matsui K., Yasuzumi K., Kojima A., Shimada N., Futagami S., et al.: Myopic choroidal neovascularization: a 10-year follow-up. *Ophthalmology*, 2003; 110 (7): 1297-305.
- 10- Ohno-Matsui K., Yoshida T., Futagami S., Yasuzumi K., Shimada N., Kojima A., et al.: Patchy atrophy and lacquer cracks predispose to the development of choroidal neovascularisation in pathological myopia. *Br J Ophthalmol*, 2003; 87(5): 570-3.

- 11-Baba T., Ohno-Matsui K., Futagami S., Yoshida T., Yasuzumi K., Kojima A., et al.: Prevalence and characteristics of foveal retinal detachment without macular hole in high myopia. *Am J Ophthalmol*, 2003; 135 (3):338-42.
- 12-Curtin B.J.: Myopia a review of its etiology, pathogenesis and treatment. *Surv Ophthalmol.* , 1970; 15: 1-17.
- 13-Tano Y.: Pathologic myopia: where are we now? *Am J Ophthalmol*, 2002; 134: 645-60.
- 14- Grossniklaus H.E., Green W.R.: Pathologic findings in pathologic myopia. *Retina*, 1992; 12: 127-33.
- 15-Tong L., Saw S.M., Chua W.H., Luu C., Cheng B., Yeo I., et al.: Optic disk and retinal characteristics in myopic children. *Am J Ophthalmol*, 2004;138: 160-2.

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Posterior Segment Pathologies in Myopia Patients rather 5 diopteres

Introduction: Pathologic myopia, as a leading cause of blindness, produces significant vitreoretinal degenerative changes. Knowing the extent of the problem in any region will help to stabilize appropriate preventive measures.

Material and Methods: 100 eyes of 50 myopic patients (28 females and 22 males) with an average age of 27.14 years and myopia of -12 diopteres were examined in ophthalmology clinic, Emam Reza General Hospital, Mashhad University of Medical Sciences.

Results: Observed in eighty-four percent of patients, Chorioretinal degenerative changes were the most common, followed by vitreoretinal detachments (27%), decreased or lost macular reflex (23%), posterior pole staphyloma (21%), temporal crescent (14%), vitreous syneresis (14%), Fuch's spots (7%), and Lacquer cracks (5%). There was a statistically significant correlation between retinal detachment and age, posterior pole staphyloma and age, posterior pole staphyloma and severity of myopia, and poor macular reflex and severity of myopia (all $p < 0.05$).

Conclusion: The study demonstrated a wide range of posterior segment pathologies in our patient. The results are comparable to that of previous studies elsewhere. It insists once more the importance of educating the patients about proper protective measures.

Keywords: myopia, degenerative myopia, vitreoretinal changes, blindness

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