

ASYMPTOMATIC RETINAL BREAK PRIOR TO LASIK SURGERY

Abstrak :

Introduction: Myopia degeneration is a contraindication for LASIK surgery. There is possibility to have retinal breaks in both myopic or non myopic eyes. Retinal detachment incidence in myopia increase along with increasing myopic degree. Peripheral retinal screening before LASIK must be performed in our centre. Material and method: retrospective study, January 2005 - April 2007, 593 eyes undergone LASIK were enrolled in this study. All patients had peripheral retinal examination using three mirror Golmann contact lens prior to LASIK surgery. Result: 378 (63.74%) eyes had normal peripheral retina and 215 (36.26%) eyes had abnormal peripheral retina. From 215 eyes with abnormal peripheral retina, 126 eyes had holes/ atrophic holes, 34 eyes had lattice degeneration without tear, 17 eyes had lattice degeneration with tear, 6 eyes had operculated tear and 32 eyes had other type of degeneration. From 215 eyes with abnormal peripheral retina, 47 eyes had been performed preventive laser. There were 17 eyes with lattice degeneration with break, 5 eyes with operculated tear, and 25 eyes with hole or atrophic hole that received preventive laser. Conclusion: The ophthalmologist may consider prophylactic treatment of breaks in attempt to reduce the risk of retinal detachment in patients before LASIK surgery. Peripheral retinal examination prior to LASIK is the potential benefit of procedure. Indication for preventive laser include location and type of peripheral retinal abnormality, clinical condition and degree of myopia

Keyword :

asymptomatic retinal break, myopia, LASIK