

EARLY RESULTS AND SHORT TERM COMPLICATIONS OF LASIK SURGERY

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Introduction: Today, Lasik surgery is one of the most common and effective procedures for correction of refractive error. More than 1% of patients undergoing Lasik operation suffer from serious and 3-5% suffers from mild complications. Also, results of lasik in most centers are promising. With the recent inauguration of the Lasik center of Yazd, it was decided to evaluate the results and complications of this surgery.

Methods: In this descriptive outcome study, cases were selected randomly and data from files of 230 operated eyes were entered in a specially formatted questionnaire. Data of patients who had been operated upon between March 2003 and March 2004 was gathered and evaluated using SPSS software program with Chi square and Fisher statistical tests. Patients were followed up for 3 months. Residual refractive error in the range of ± 0.5 was considered as complete treatment and more than ± 0.5 was considered as relative.

Results: From the total of 230 eyes, 122 eyes were of women and 108 eyes belonged to men. 24 cases (10.4%) were hyperopias, 188 cases (81.8%) myopic-astigmatism, 5 cases (2.2%) hyperopic and 13 cases (5.6%) hyperopic-astigmatism. 204 eyes were in the age group of less than 40 years and 26 eyes were in the age group of more than 40 years. Based on visual acuity being, 225 eyes (97.8%) were treated completely and 5 eyes (2.2%) were treated relatively. Complete eradication of refractive error, 3months after surgery in myopias was 96%, myopic astigmatisms 88%, hyperopias 60% and hyperopic astigmatism 62%.

At 3 months of follow up, 224 cases (97.4%) were without any complications and the rest had few minor side effects.

Conclusion: Lasik operation is a safe and effective procedure for correcting refractive errors with limited complications and are comparable with similar studies.

Keyword: LASIK SURGERY, REFRACTIVE ERROR CORRECTION, OCULAR SIDE EFFECT