

Type of Presentation: Free Paper

Title: Clinical and Refractive Outcomes of Wavefront Optimized and Topo Guided LASIK Procedure in a tertiary care hospital in Pakistan

Objective: To observe the clinical and refractive outcomes of wavefront optimized and topo-guided LASIK procedure in Pakistani population.

Type of study: Retrospective consecutive data collected on 100 eyes of 52 patients treated on FS 200 and Microkeratome from November 2016 to February 2018.

Result: 234 consecutive eyes of 118 patients were studied over a 15 month period (November 2016 – February 2018). The age range was 18 - 45 years, of which 84 were women and 34 were men. The range of spherical change that was treated was from -0.5 to -9.5, and the maximum cylindrical corrected was -4.75. All patients had improved or similar visual acuity post operatively. 100% of the patients reported same or better vision as with glasses or contact lenses as pre operatively. 100% of the eyes were 20/20 or better post operatively, out of which 77.4% were 20/15 and 5.98% eyes were 20/10. The results were maintained on subsequent post-operative follow ups at 1 week, 2 weeks, 1 month and 3 months.

Conclusion: LASIK is an effective refractive procedure for Pakistani population with very good clinical outcomes. These outcomes have been maintained on long term follow up.

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