

ESCRS 2008

Free Papers

Laser Refractive Surgery - 6 minutes

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Venue: Hall 1



Overall results of corneal refractive surgery procedure using Pulzar Z from CustomVis, Australia

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Purpose: To present the visual outcome of patients who underwent corneal refractive surgeries and had at least one month of follow up at a new centre at Hyderabad, India from July 2007 to February 2008 using Pulsar Z1 from Customvis, Australia.

SETTING: LV Prasad Eye Institute, Banjara Hills, Hyderabad, India.

METHODS: Retrospective chart review.

RESULTS: During the study period 157 eyes of 84 patients underwent corneal refractive surgery procedure. LASIK was done in 115 eyes of 61 patients (73.4%) and PRK (photorefractive keratectomy) in 42 eyes of 23 patients (26.7%). In LASIK group, the mean age was 26.3(18 yrs-44 yrs). The mean spherical equivalent attempted correction in mopes was -3.02+ 2.61(range of refractive -1.75 to -11.50) and +1.48+ 1.33 in hype ropes (+1.50 to +5.50 DS).Pre-operative unaided vision ranged from counting figures to 6/12. Post-operative unaided visual acuity was 6/9 or better in 108 eyes (95.6%) and 6/6 or better in 90 eyes (78.2%). In PRK group, the mean age was 25.8 years (19 yrs- 45 yrs). The mean spherical equivalent attempted correction was -4.36+1.98(range of refractive error -1.25 to -8.50). Among these 42 eyes, the postoperative data for one month was 6/9 or better in 41 eyes (97.6%) and 6/6 or better in 38 eyes (90.4%).

CONCLUSIONS: LASIK and PRK using Pulzar Z from Australia have resulted in good visual outcome.