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Title:	Initial Results of Pulzar Z1 Solid-State Technology in a New Refractive Surgery Setup in India
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Purpose:	To present the results of surgeries done at Perfect Vision laser center, Hyderabad using Pulzar Z1 solid-state technology.
Methods:	Retrospective chart review. All patients who had corneal refractive procedure in the month of August, 2007 with at least one month of follow-up.
Results:	The study included 17 males and 14 females. The age range was 18 to 33 years (mean 25.5 years). The spherical equivalent of refraction ranged from -1.50 - 10.00. The patients included were 30 myopes and 1 hyperope. Low myopia (<-2 D) was seen in 14 eyes(23.3%), moderate myopes (-2 to -4 D) in 24 eyes (40%) and high myopes(> -6.00 Ds) in 22 eyes(36.6%). LASIK surgery was performed in 56 eyes (27 patients) and PRK in 6 eyes (3 patients). The preoperative best corrected visual acuity was 6/6 or better in all the patients except 1 (2 eyes). The postoperative one month uncorrected visual acuity results are 6/6> in 46 eyes (74.1%) and 6/9> in 60 eyes(96.7%) and 6/18 in 2 eyes(3.2%). The indications for PRK were flat corneas (1 eyes, 16.6%) thin corneas (4 eyes, 66.6%) and loose epithelium(1 eyes, 16.6%) which was identified during surgery.
Conclusion:	Corneal refractive surgery using Pulzar Z1 solid-state technology, CustomVis Australia has resulted in good surgical and visual outcome. Patients are being followed-up for long-term results