

XXVII Congress of the ESCRS
12-16 September 2009, Barcelona Spain

Photorefractive keratectomy in high myopia with Pulzar Z1,
the solid state laser

Session: Keratorefractive surgery outcomes: myopia, hyperopia, presbyopia - 6 minutes

Session Date : 15 September 2009 | Session Time: 14:00 - 16:00

Paper Time: 14:36

First Author: T. Pujara *AUSTRALIA*

Co. Authors : P. van Saarloos S.

Abstract Details:

Purpose:

To assess clinical effectiveness of Pulzar Z1 in treating high myopia in our setup.

Setting:

1. Srivision Eye Institute, India and 2. Research and Development, CustomVis, Australia.

Methods:

Retrospective chart review of 24 eyes of 14 consecutive patients having an error more than -6 diopters that underwent PRK with Mitomycin C between July 2007 and May 2008 with at least 3 months of follow up. The mean refractive error was -7.3 diopters (range -6 to -9.12 diopters). Visual acuity and uncorrected and best corrected vision were studied.

Results:

At the end of three months, 6/6 or better vision was seen in 20 eyes (83.3%) and 6/9 or better in 22 eyes (91.7%). 94% of patients were between +/- 1 D. Corneal haze was seen in 3 eyes (12.2%). It was trace and it did not affect the vision. No eye lost best corrected visual acuity.

Conclusions:

In our personal study we have achieved good results following PRK with Mitomycin C in patients with -6 to -9 diopters of myopia using Pulzar Z1.

Financial Disclosure:

3