

## **ESCRS 2008**

### **Laser Refractive Surgery - 3 Minutes**

Monday 15 September 2008

Venue: Hall 3

#### **PRK with mitomycin-C for high myopia (>-6 DS) using pulsar-Z from CustomVis, Australia**

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**Purpose:** To present our results of PRK with Mitomycin C in patients with refractive error of more than -6 DS.

**METHODS:** Retrospective chart review.

**RESULTS:** 12 eyes of 6 patients underwent the procedure. All were females with age range of 20 to 45 years. Pre-operative refractive error ranged from -6.75 Ds to -9.25 Ds. Indications for PRK was thin cornea in 8 eyes and forme fruste keratoconus in 4 eyes. The corneal thickness ranged from 457 U to 502 U in thin cornea group. In all eyes 10% under correction was planned and Mitomycin C was applied for 30 seconds to 1 minute. 6/12 or better vision was achieved in all except 1 eye (91.6%). Only one had a visual acuity of 6/18 with a spherical equivalent of + 2Ds at one month follow up visit.

**CONCLUSIONS:** PRK with Mitomycin C can be used as an alternative to phakic IOL in high myopia as initial results using Customvis platform is encouraging. Patients are being followed up for long term results.