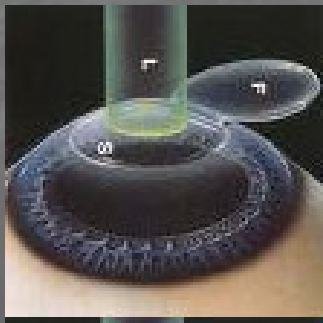


OVERALL RESULTS OF LASIK AND PRK USING PULZAR Z1 FROM CUSTOMVIS,AUSTRALIA



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213 nm WAVELENGTH

CLEAN AND SMOOTH ABLATION

HYDRATION DOES NOT AFFECT ABLATION

CLOSER TO ABSORPTION PEAK

PULZAR Z1 FROM CUSTOMVIS

0.6mm GAUSSIAN

REPETITION RATE OF 300-400 Hz

HIGH PULSE OF PULSE ENERGY STABILITY

MINIMAL THERMAL HEATING

LIMBUS BASED EYE TRACKING

INTRAOPEATIVE EYE TRACKER

SOLID STATE CRYSTAL SCAN FASTER



LASIK & PRK – STANDARD TREATMENT

FLAP CREATED BY AMADUES-II
MICROKERATOME
LASER CENTRED TO VISUAL AXIS
OPTIC ZONE 6.5 MM
NO DEBRIS SEEN
FLAP PUT BACK
MARGINS DRIED
PREDNISOLONE & GATIFLOXACIN-5 DAYS
ARTIFICIAL TEARS



EPITHELIUM REMOVED MECHANICALLY
LASER CENTRED TO VISUAL AXIS, OPTIC ZONE 6.25 MM TO 6.5 MM
0.02% MITOMYCIN APPLIED 1 minute, 10% UNDERCORRECTION
THOROUGH SALINE WAS GIVEN
PREDNISOLONE EYE DROPS FOR 10 DAYS
FML EYE FOR 4 WEEKS
GATIFLOXACIN EYE DROPS FOR 5 DAYS

Overall results



June 2007 to May 2008, SRIVISION

258 eyes of 142 patients

LASIK-166 eyes

3 months follow up

PRK with Mitomycin -C 92 eyes

6 months follow up



LASIK Data

Mean age $\pm$ S.D:25.7 $\pm$ 5.4 (18 yrs to 44 yrs)

41 females and 48 males

Mean sph.equivalent:-4.7 $\pm$ 2.98 (+4.25 to -13.5)

Myopia <-3.0 D	35 eyes(21.1%)
Myopia -3.0D to -6.0D	83 eyes(50%)
Myopia>-6.0D	42 eyes(25.3%)
Hyperopia	6 eyes(3.6%)

LASIK post-operative data

Visual results

6/6 or better	-	150 eyes(90.4%)
6/9 or better	-	157 eyes(94.6%)
6/12 or less	-	9 eyes(5.42%)
		amblyopia

Refractive results

<u>±</u> 0.5D	-	97.5% eyes
<u>±</u> 1.0D	-	98.7% eyes
Sph equivalent: +0.75, +1.0, +1.5, +1.25		

LASIK Data

	6/6 or better	6/9 or better
<-3.0D	97.1%	100%
-3.0 to -6.0D	96.3%	97.5%
>-6.0D	78.5%	85.7%

PRK with Mitomycin C results

Mean age: 24.7 ± 4.94 (19 to 45 yrs)

50 females(56.2 %), 39 males(43.8%)

92 eyes

Mean sph equivalent -4.63 ± 1.93 (-1.0 to -9.12)

<-3.0D	16 eyes(17.39%)
-3.0 to -6.0D	52 eyes(56.52%)
>-6.0	24 eyes (26.59%)

PRK with Mitomycin C results

Visual results

6/6 or better - 84 eyes(94.3%)

6/9 or better - 86 eyes(95.6%)

Refractive results

± 0.5 - 97.8%

$\pm 1.0D$ - 98.9%

Haze - 5.43%(5 eyes)

Haze - visually significant 3.2%(3 eyes)

OVERALL RESULTS

213 nm wavelength

PulzarZ1 from Customvis, Australia

Excellent