Effect of Selective Laser Trabeculoplasty on Intraocular Pressure Variations- Single center Experience

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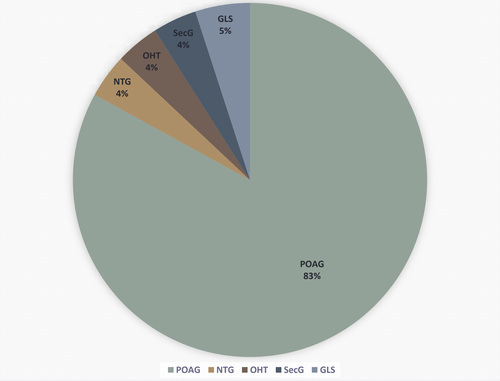
BACKGROUND

- Selective Laser Trabeculoplasty (SLT) is a well established treatment for reduction of intraocular pressures(IOP).
- Variation in IOP is a known risk factor for glaucoma progression and reduction in variation is associated with reduced visual field loss.
- This study looked at the reduction in IOP variation using mean and median variation score before and after SLT treatment in glaucoma patients.

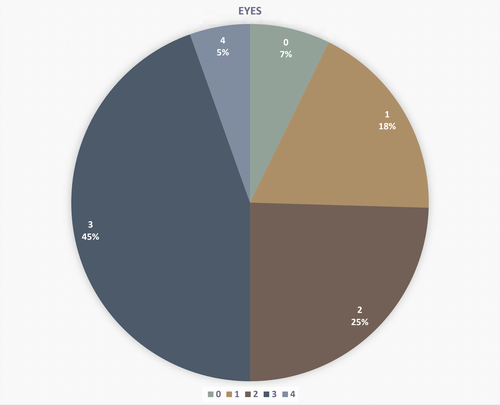
METHODS

- A retrospective case review of patients undergone SLT from 1st January 2016 till 31st Dec 2017 at Sunderland Eye Infirmary.
- Patients with three IOP readings before and after laser treatment were identified.
- Analysis of variance (ANOVA) was used for calculations of mean, median variance and p value.

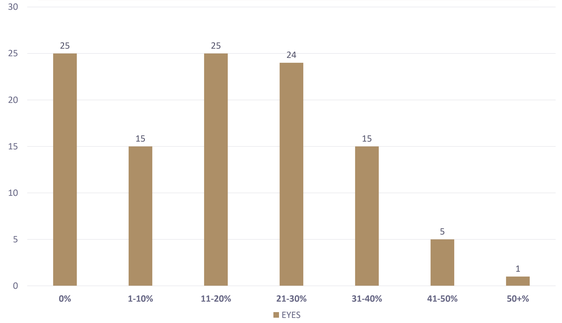
DIAGNOSIS- (N=110)



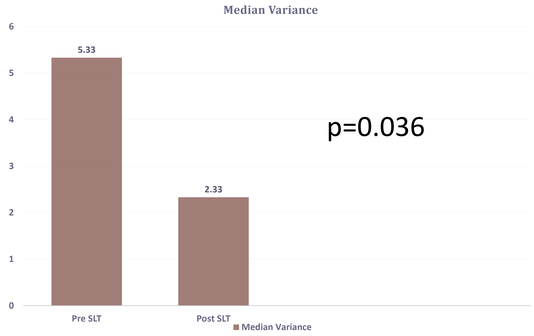
NUMBER OF DROPS (N=110)



% REDUCTION OF IOP (N=110)



Median Variance of IOP (N=110)



p=0.036

CONCLUSIONS

- In this single centre experience, SLT not only reduced IOP but also variations in IOP. This has a potential significance for the preservation of the visual field