

Background

There is a paucity in data comparing types of MIGS to each other, we looked at the safety and efficacy profile of combined phacoemulsification and micro-invasive glaucoma surgery (MIGS) with the ab-interno trabeculectomy (trabectome) (PT) and iStent (Pi) devices in patients with primary open-angle glaucoma (POAG) with a 2 year follow up.

Methods

A retrospective comparative case series of patients was undertaken with approval from the Worcestershire acute hospitals NHS trust audit and research committee. Data was collected and analysed. P-values lower than 0.05 were determined to be significant.

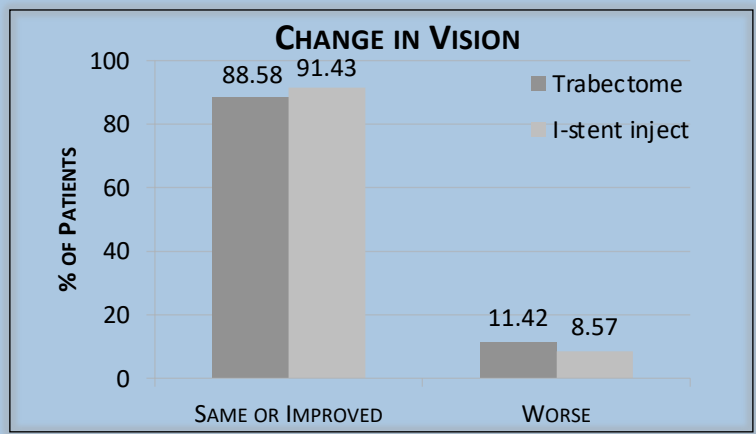
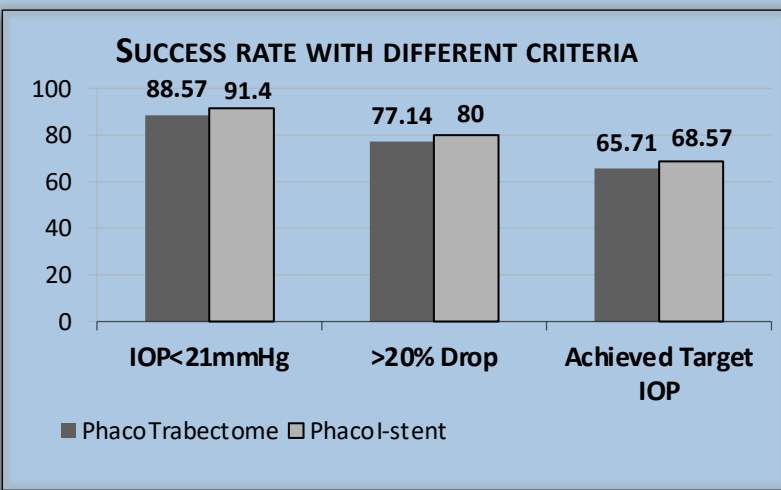
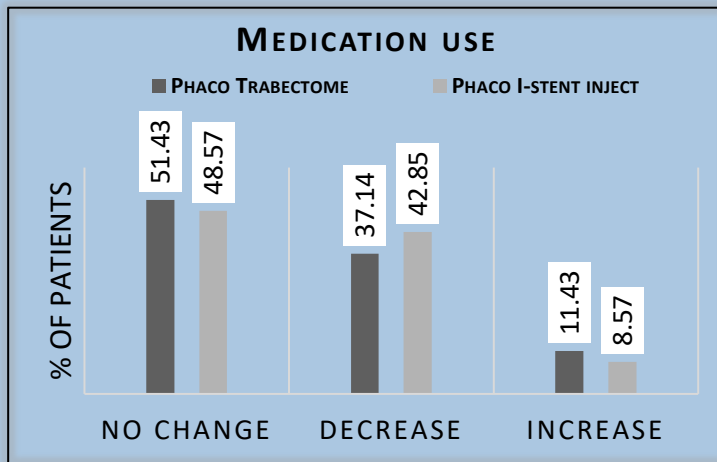
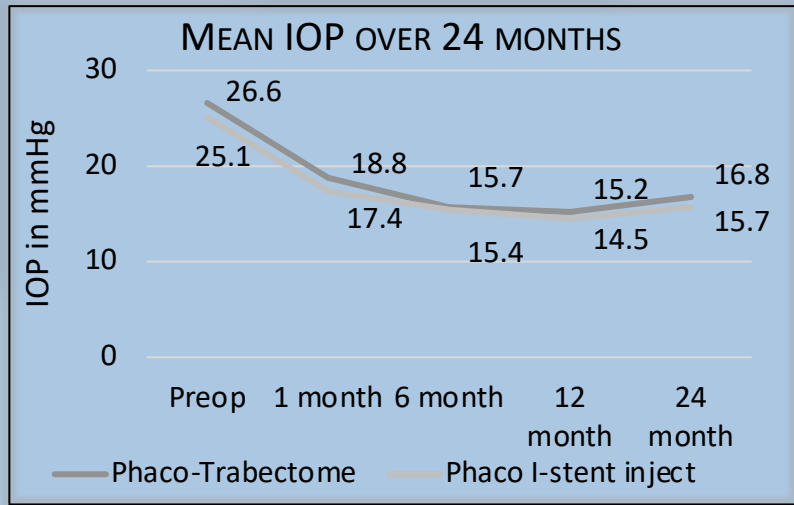
Pre-operative Variables

Pre-op variables		Phaco-Trabectome (35eyes/33subjects)	Phaco-iStent (35 eyes/33 subjects)
Mean Age in Years		80.7±4.3	80.1±3.8
Gender	Male	16	15
	Female	17	18
Mean IOP mmHg		26.6±2.3	25.1±3.1
Mean Visual acuity		6/12	6/12
Mean number of drops		3.2±0.54	3.3±0.4
Stage of glaucoma	Mild	10	10
	Moderate	11	10
	Severe	12	13

MIGS-2 year results

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Results



Conclusion:

Both PT & Pi achieved a desirable reduction of target IOP in 2/3rd of cases, decrease in the number of glaucoma medications and a low complication rate in both groups. There was no statistical difference in safety and efficacy between the two groups. The findings of this study does not recommend MIGS in advanced cases of glaucoma.

REFERENCES:

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