

THE COLLABORATIVE INITIAL GLAUCOMA TREATMENT STUDY (CIGTS)

- LOWERED THE IOP BY 35%,
- DEMONSTRATED EQUIVALENCE OF MEDICAL AND SURGICAL TREATMENT,
- DECREASED DISEASE PROGRESSION TO LESS THAN 15%.

Feiner L, Piltz-Seymour JR. Collaborative Initial Glaucoma Treatment Study: A summary of results to date. Curr Opin Ophthalmol. 2003;14:106–11. [PubMed]

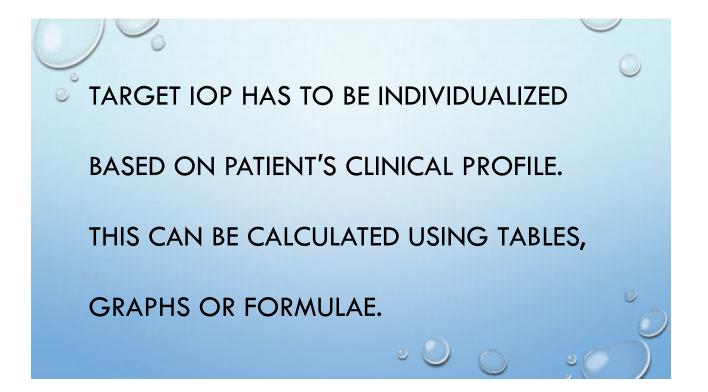
- IOP LOWERING NEEDS TO BE INDIVIDUALIZED WITH THE GOAL OF PREVENTING ANY DECREASE IN THE QOL DURING THE PATIENT'S LIFETIME.
- THERE IS, HOWEVER, NO HARD EVIDENCE FOR THE CONCEPT OR THE METHODS USED TO DETERMINE THE TARGET.

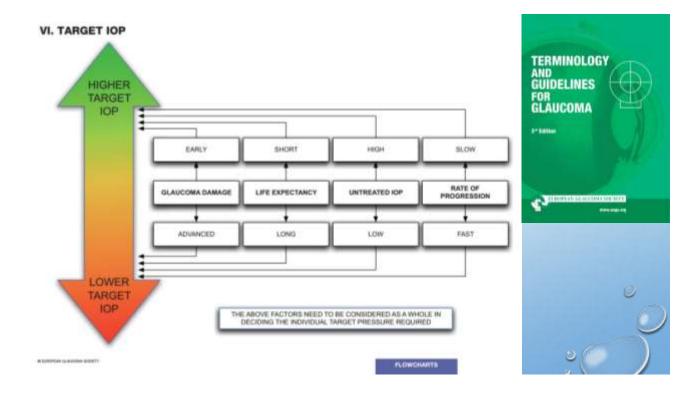
Rajul S Parikh, Shefali R Parikh, Shoba Navin, Ellen Arun, And Ravi Thomas. Practical approach to medical management of glaucoma; Indian j ophthalmol. 2008 may-jun; 56(3): 223–230

FACTORS SHOULD BE CONSIDERED AT THE TIME OF PRESENTATION TO CUSTOMIZE THE TARGET IOP:

- STRUCTURAL DAMAGE: OPTIC DISC AND RNFL
- FUNCTIONAL DAMAGE ON WWP
- BASELINE IOP AT WHICH THE DAMAGE OCCURRED (CORRELATE THE ABOVE TWO WITH BASELINE IOP).
- AGE
- PRESENCE OF ADDITIONAL RISK FACTORS

Hodapp E, Parrish RK, 2nd, Anderson DR. St Louis: Mosby and Co; 1993. Clinical decisions in glaucoma; pp. 63–92.





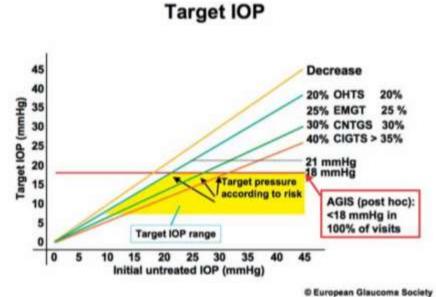
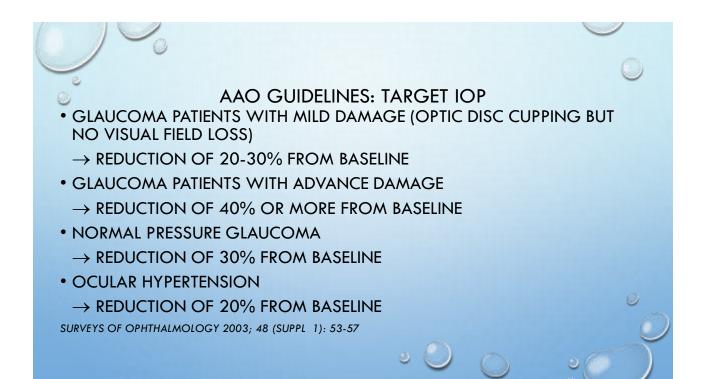
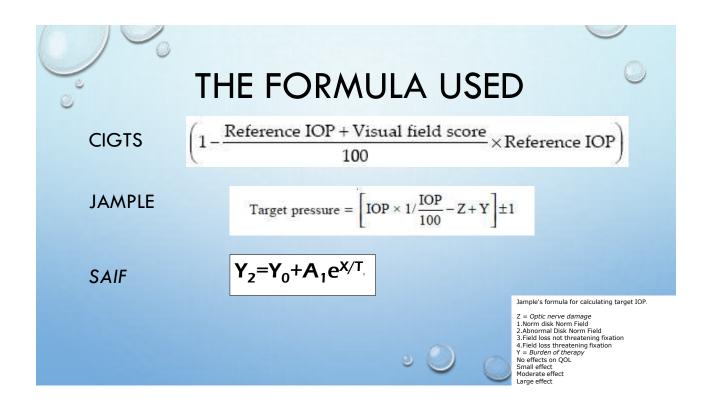


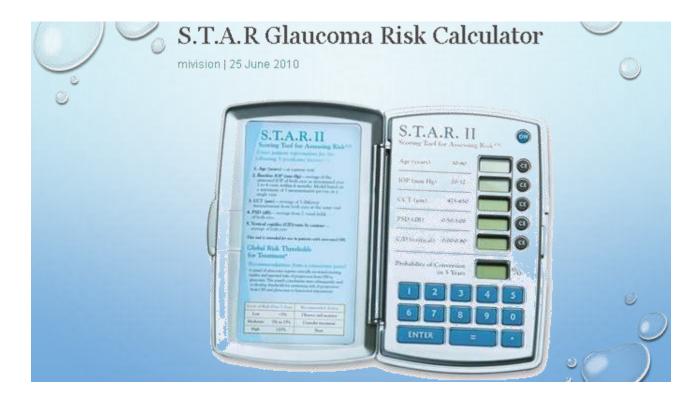
Fig. 3.2.1 - Target IOP
Diagrammatic evaluation of the desired IOP lowering. The target pressure is frequently situated within the shaded area. The percentage of IOP reduction targeted (i.e. 20%, 30%, 40% respectively) depends mainly on the degree of VF damage at diagnosis and on rate of progression (RoP).

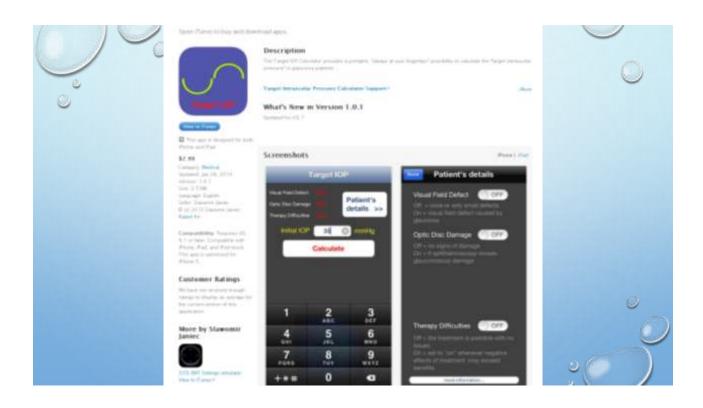


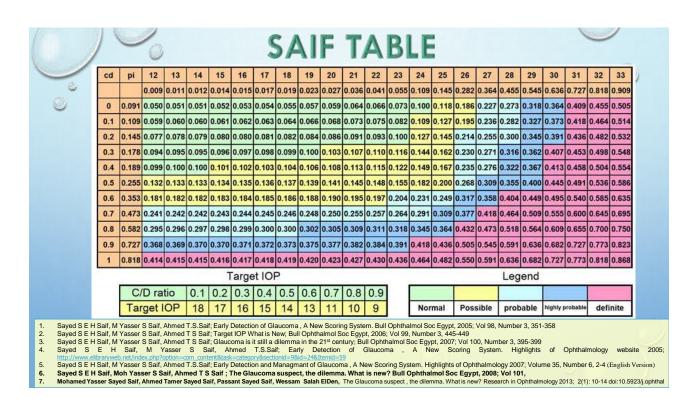


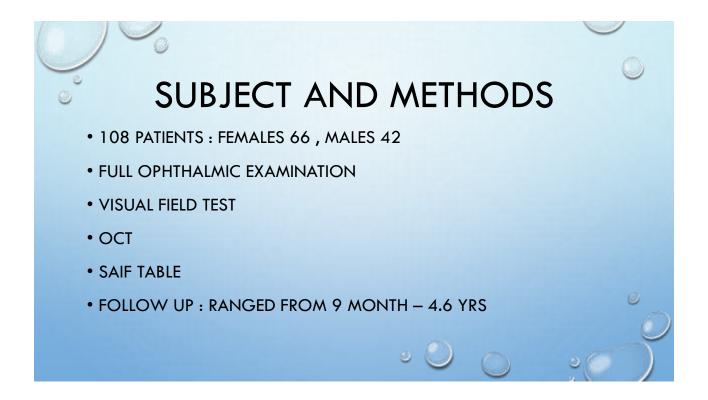




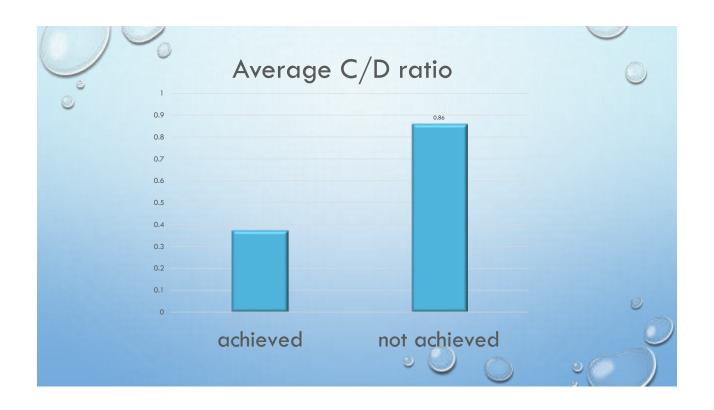


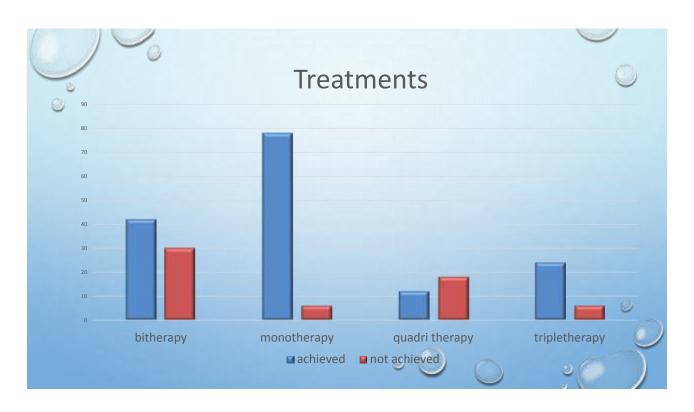




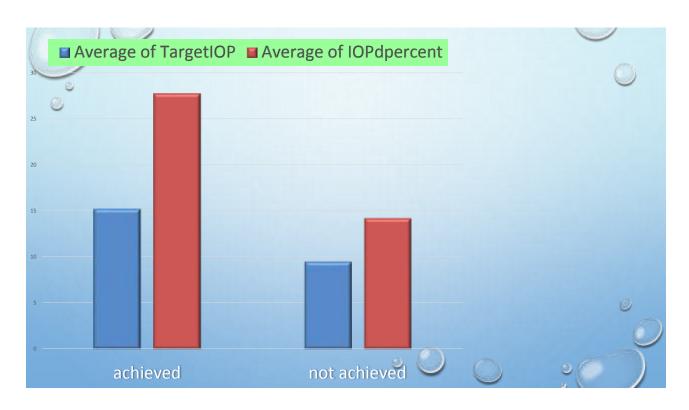


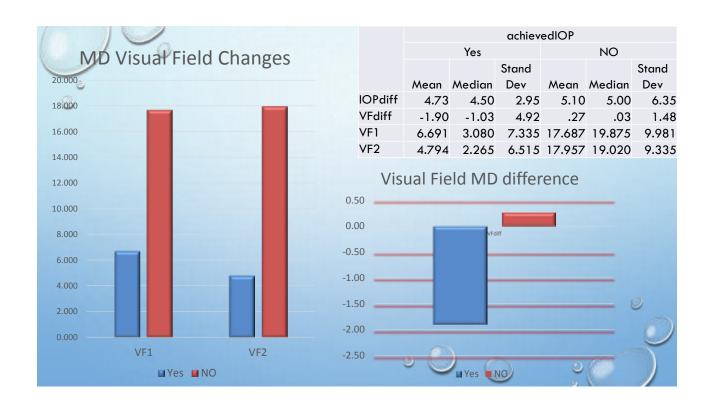
C,)%			0
0	Mean age	female	male	
	achieved	35.87	44.25	
	not achieved	46.33	54.33	
	Grand Total	38.72	48.57	9
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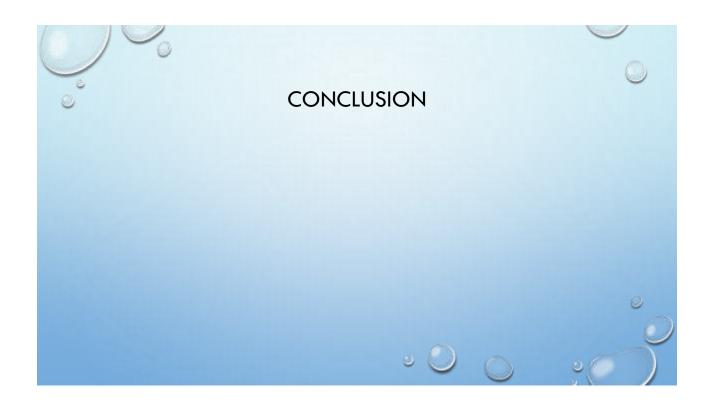




Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of VF1 is the sam across categories of achievedIOP	Independent- Samples Mann- Whitney U Test	.000	Reject the null hypothesis.
2	The distribution of VF2 is the sam across categories of achievedIOP	Independent- Samples Mann- Whitney U Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.



- TARGET IOP SHOULD BE INDIVIDUALIZED AS PER PATIENT

 AND SHOULD BE A FLEXIBLE EVER CHANGING VARIABLE

 VARYING WITH THE PROGRESSION OF THE DISEASE
- THE CONCEPT OF A TARGET IOP SHOULD BE A PART OF THE STANDARD OF CARE FOR PHYSICIANS WHO TREAT GLAUCOMA PATIENTS
- THE METHODS USED TO MAINTAIN THE TARGET PRESSURE SHOULD BE SUSTAINABLE OVER THE LONG TERM WITH MINIMAL ADVERSE EFFECTS

