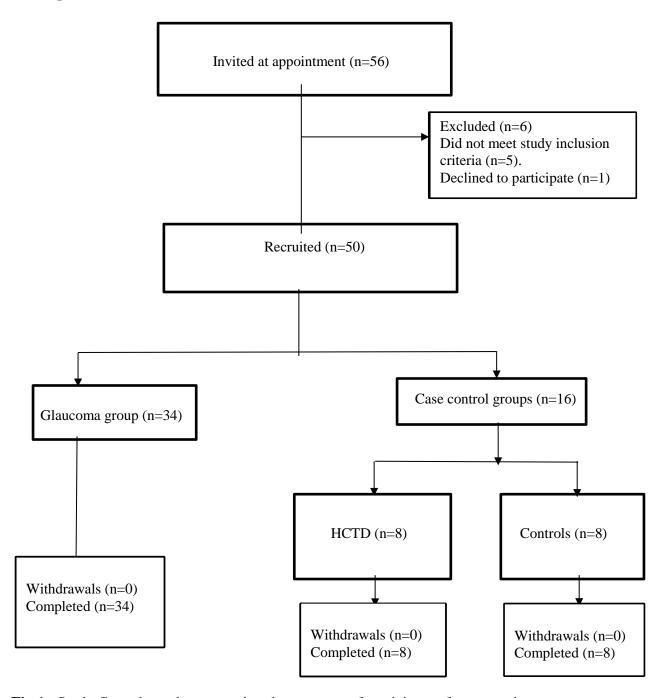
Participant flow:



 ${f Fig~1.}$ Study flow chart, demonstrating the progress of participants from recruitment to completion.

Baseline characteristics of participants:

Characteristics of	N	%
participants		
Sample size	34	100
Gender		
Male	20	59
Female	14	41
Ethnicity		
Caucasian	21	62
Asian	12	35
Mixed Race	1	3
Age		
Group 1	18	53
Group 2	16	47
General health		
Good	17	50
Co-morbidities	17	50
Strabismus		
Yes	17	50
No	17	50
Ocular history		
PCG	6	18
Secondary	8	23
Uveitic	4	12
Aphakic	13	38
JOAG	3	9
Treatment		
Medical	9	26
Surgical	2	6
Both	23	68
Nystagmus		
Yes	11	32
No	23	68
Corneal defect		
Yes	29	85
No	5	15
BCVA		
Group 1	17	50
Group 2	17	50
Refractive error		-
Group 1	15	44
Group 2	19	56
r-r =		

Table 1.0 Baseline characteristics of glaucoma group (n = 34)

Characteristics of participants	N	%
Sample size	8	100
Connective tissue disease		
Marfan's syndrome	6	75
Ehlers Danlos syndrome	1	12.5
Non- Marfan's fibrinopathy	1	12.5

Table 2.0 Baseline characteristics of connective tissue group (n = 8)

Outcome measures:

	Minimum	Maximum	Mean	SD
GAT	9.0	38.0	17.6	7.1
RBT	9.0	48.0	20.0	9.1

Values are in mmHg

Table 3.0 Descriptive statistics for RBT on- axis and GAT (n = 34)

				Limits of agreement	
	Mean	SD	p	Mean – 1.96 x S.D	Mean + 1.96 x S.D
RBT_{on} - GAT	2.4	3.0	0.000	-3.48	8.28

Values are in mmHg

Table 4.0 Mean difference, significance level and 95% confidence interval limits between RBT and GAT.

RBTmmHg	Minimum	Maximum	Mean	SD
RBT_{off}	9.0	52.0	19.3	9.4
RBT_{on}	9.0	48.0	20.0	9.1
GAT	9.0	38.0	17.6	7.1

Table 5.0 Descriptive statistics for RBT_{off}, RBT_{on} and GAT (n = 34)

				Limits of agreement	
	Mean	SD	p	Mean – 1.96 x S.D	Mean + 1.96 x S.D
RBT _{off} RBT _{on}	-0.7	2.7	0.100	-6.00	4.51

Values are in mmHg

Table 6.0 Mean difference, significance level and 95% confidence interval limits between RBT_{off} and RBT_{on} .

				Limits of agreement	
	Mean	SD	p	Mean – 1.96 x S.D	Mean + 1.96 x S.D
RBT_{off} - GAT	-1.7	3.5	0.000	-5.21	8.51

Values are in mmHg

Table 7.0 Mean difference, significance level and 95% confidence interval limits between $RBT_{\rm off}$ and GAT.

HCTD	Minimum	Maximum	Mean	SD
RBToff	10.0	20.0	16.3	3.1
RBT on	11.00	22.0	18.1	3.5

Values are in mmHg

Table 8.0 Descriptive statistics for connective tissue disease cohort (HCTD) RBT off- axis and RBT on-axis (n = 8).

Controls	Minimum	Maximum	Mean	SD
RBT off	10.0	22.0	16.3	3.9
RBT on	11.00	24.0	17.1	4.2

Values are in mmHg

Table9.0 Descriptive statistics for age matched controls RBT off- axis and RBT on-axis (n = 8).

Adverse events:

There were no adverse events associated with this trial.