Treatment priorities in glaucoma and ocular hypertension: results from the OPTIS study using a best-worst scaling choice experiment

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Why assess treatment priorities in glaucoma?



- Current treatment for glaucoma includes **eye drops, laser treatment and surgery**.
- These treatments aim to **reduce intraocular eye pressure**, thereby reducing damage to the optic nerve.
- There is growing evidence supporting the use of treatments that free patients from eye drops (e.g. MIGS/SLT)
- However, information on how patients with glaucoma or ocular hypertension **prioritize different health outcomes** is still limited

What was the aim of the study?



This study aims to assess patients' priorities for the outcome of their treatment

What did we do?



Patients with **ocular hypertension or primary open angle glaucoma** treated with **drops, laser, and / or surgeries** were recruited from two study centres in the U.K.

An initial **qualitative study** (one-to-one interviews) was conducted to determine the list of patients' potential priorities.

511 patients with a wide range of **ethnicities & socioeconomic statuses** took part.



Clinical data were obtained from medical records for 5 years retrospectively.

Patients' priorities were ranked using **best-worst scaling.**



Analyses were performed using **clustering & logistic regression.**

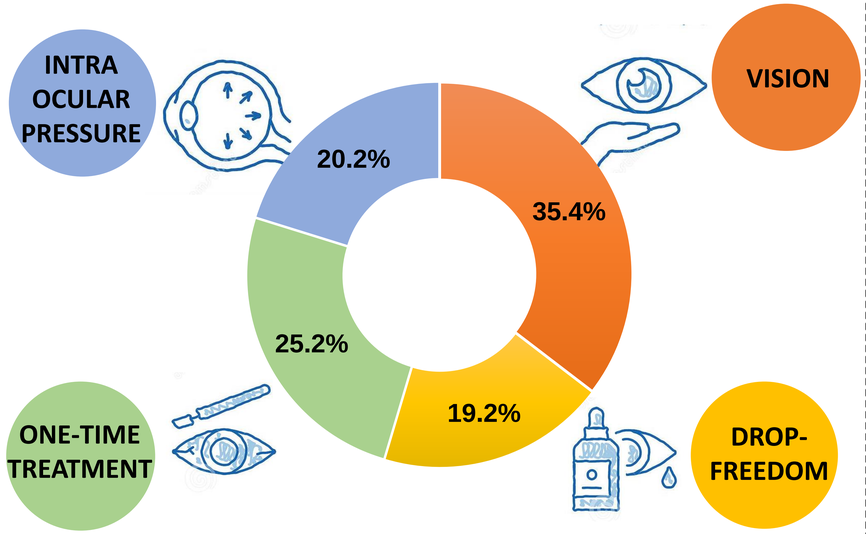
Implications for clinical practice

- **Drop freedom** is the top priority for a significant proportion of glaucoma patients.
- It is essential to consider the preferences and **needs of minority populations** in glaucoma care.

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What did we find?

(i) Treatment priorities were identified in **four** clusters





(ii) Black/Black British patients were likely to choose to be drop-free.

Ethnicity is one of the key determinants of patients' priorities for treatment in glaucoma.

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