

# Comparison of Cytokines Profile in Aqueous Humor and Tear Before and After UCP Treatment

NCT06243497

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Status	RECRUITING
Sponsor	Zhongshan Ophthalmic Center, Sun Yat-sen University
Enrollment	200 participants

## Plain Language Summary

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This study is looking at whether a procedure called ultrasound cyclophotocoagulation (UCP) — a non-invasive treatment for glaucoma that uses focused ultrasound to reduce eye pressure — changes certain proteins (called cytokines) in the fluid inside the eye and in tears. The goal is to better understand how this glaucoma treatment works at a molecular level.

**\*\*You may be eligible if...\*\***

- You have been definitively diagnosed with glaucoma
- Your eye pressure is above 21 mmHg even on the maximum tolerated dose of glaucoma eye drops, OR your eye pressure is lower but your optic nerve damage is still getting worse
- There is no age or gender restriction

**\*\*You may NOT be eligible if...\*\***

- You have other eye diseases that could independently affect eye pressure
- You are taking systemic (oral or injected) steroid medications
- You have had other glaucoma surgery within the past 3 months
- You have had an eye infection in the past 2 weeks

Talk to your doctor to see if this trial is right for you.

## Key Eligibility Criteria

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### Inclusion (1)

- The patient was definitely diagnosed as glaucoma, No age or gender limitation, IOP(intraocular pressure)  $\leq$  21mmHg under the maximum tolerated dose of antiglaucoma medication, or IOP  $<$  21mmHg and glaucomatous optic nerve damage progressed.

### Exclusion (1)

- Other eye diseases that could affect IOP; preoperative use of systemic steroid drugs; history of other anti-glaucoma surgery within 3 months; ocular infection 2 weeks prior to UCP

## Locations (1 total)

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Zhongshan Ophthalmic Center, Sun Yat-sen University, Guangzhou, Guangdong, China

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<https://clinicaltrials.gov/study/NCT06243497>

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