UCP Flex
ULTRASOUND CYCLO PLASTY

Focused, Adaptable, Proven
UCP is a non-invasive technique that utilizes high-intensity focused ultrasound to provide targeted, controlled and gentle thermal coagulation of the ciliary body via specialized, miniaturized transducers.

1. UCP can be used for a broad spectrum of patients, from naïve-of-surgery patients under maximal hypotensive medication to moderate and advanced glaucoma cases.¹²

2. UCP can be used for open angle as well as angle closure glaucoma, and for primary and secondary glaucoma.³

3. Multiple UCP treatments are possible, if needed, with no added risk of complications.⁴

4. UCP Flex now allows you to titrate the dose of therapeutic ultrasound according to patient’s needs.³

EYE TECH CARE aims at transforming glaucoma care with high intensity focused ultrasound (HIFU). This technology is already widely used in other medical specialities, including treatment of certain cancerous tissues. The company believes that UCP can offer far-reaching benefits to clinicians and patients.

#### Technology

UCP is a non-invasive technique that utilizes high-intensity focused ultrasound to provide targeted, controlled and gentle thermal coagulation of the ciliary body via specialized, miniaturized transducers.

#### Adaptable dose

**6-Sector protocol.**
Treating on average 40% of the circumference of the ciliary body

**8-Sector protocol.**
Treating on average 55% of the circumference of the ciliary body

<table>
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<tr>
<th>IOP≥21mmHg</th>
<th>IOP&lt;30mmHg</th>
<th>IOP≥30mmHg</th>
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<td><strong>6-Sector protocol</strong>³</td>
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<td><strong>8-Sector protocol</strong>³</td>
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Miniaturized transducers delivering HIFU
Mechanisms of action
UCP allows the decrease of aqueous humour production by coagulation of the ciliary body.

1. A controlled rise in temperature minimizes the risk of overheating the tissue (no explosion).
2. Pinpoint precision allows the preservation of surrounding tissues.
3. Allows precise control of energy deposition as ultrasound absorption does not depend on pigmentation.

Clinical results
UCP has been used worldwide to treat more than 7000 patients.

Efficacy
Average IOP reduction at 12 months

Success rate* of 65-75% at 12 months

*success is defined as IOP reduction >20% and final IOP >5 mmHg without supplemental hypotensive medications

Multiple treatments
A clinical study has shown the overall procedure efficacy to improve after multiple UCP treatments.

Population
- 40 patients
- 42% with previous filtering surgery
- 35% of POAG
- 65% non POAG
- 7.5% angle closure
- 20% exfoliative
- 30% neovascular
- 7.5% other

Safety
No phthisis bulbi, induced cataract, or persistent hypotony were recorded in the published clinical studies.

Low rate of vision-threatening complications (<2%), generally transient.

No major change in BCVA (>1line) in 86% of surgery-naïve patients treated by UCP at 12 months.
References


3. Indications/User manual


6. Internal database - updated Sep 18

7. Sousa D et al., High-intensity focused ultrasound cyclo-cogulation, *AAO 2017*

8. Nardi M et al., Ultrasound Cyclo Plasty for treatment of surgery naïve Open Angle Glaucoma patients, *EGS 2018*

