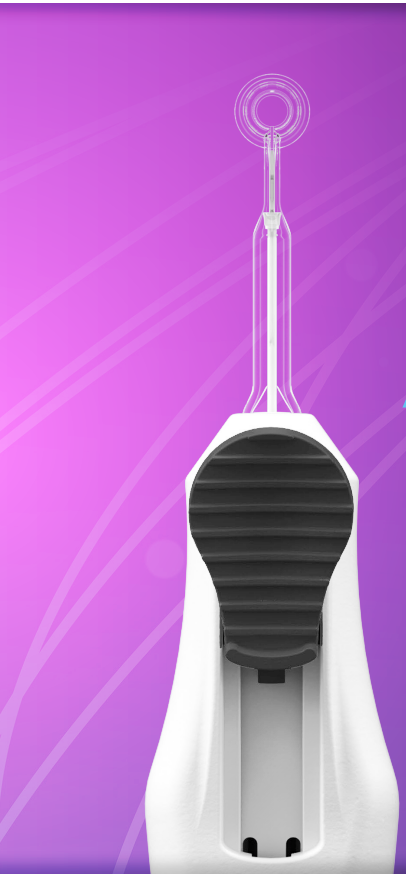
ZEPTO™

PRECISION PULSE CAPSULOTOMY



EXPERIENCE ZEPTO™ ASSISTED CATARACT SURGERY

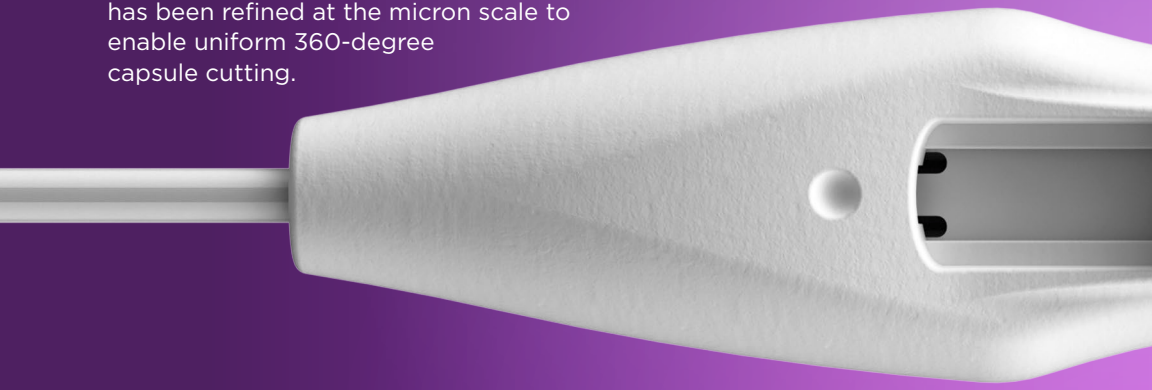
Precise, visually centered, and stronger capsulotomies in milliseconds

The perfect capsulotomy – one less variable in refractive predictability

Mynosys

AN IDEAL CAPSULOTOMY FOR

ZEPTO™ is a novel capsulotomy device with a disposable handpiece and tip that produces a quick, elegant, round capsulotomy in milliseconds. The tip consists of a miniature, transparent, soft silicone suction cup that houses a circular nitinol capsulotomy element, which has been refined at the micron scale to enable uniform 360-degree capsule cutting.



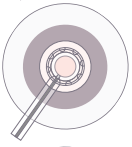
QUICK AND EASY

Nitinol is a superelastic alloy, meaning the tip can be deformed in order to enter gently through a clear corneal incision, after which it assumes its original round shape within the anterior chamber. **Complete, round capsulotomies are accomplished in a few milliseconds.**

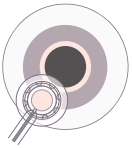
HOW DOES IT WORK?

ONE: Capsulotomy tip extends into elongated shape, surgeon extends pushrod for entry through corneal incision.

TWO: Surgeon retracts the pushrod, which allows the capsulotomy tip to naturally return to a circular shape within the anterior chamber. The surgeon then centers the suction cup either on the pupil or the visual axis of the patient.

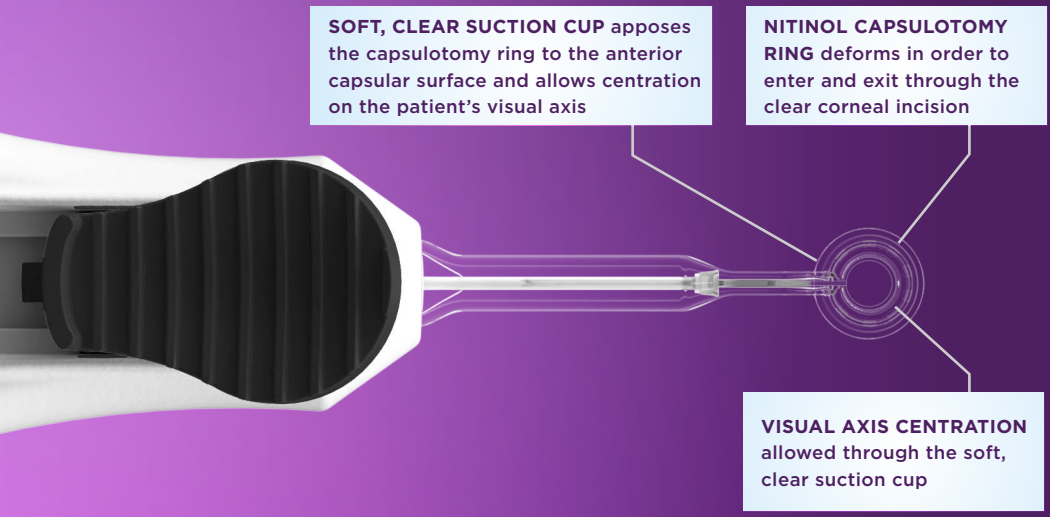


THREE: After the desired capsulotomy placement, a small amount of suction is applied through the silicone suction cup to appose the nitinol capsulotomy ring to the lens capsule.



FOUR: At the surgeon's command, the capsulotomy is performed in milliseconds. Suction is relieved as the surgeon slides the sliding mechanism to the back position and ZEPTO™ is retrieved through a corneal incision.

YOUR PATIENTS



SAFE AND EFFECTIVE

FDA Clinical Trial completed enrollment in December 2016.

Safety testing in rabbit eyes has included temperature measurements using thermocouples in the eye during ZEPTO™ capsulotomy. Only very brief transient temperature changes of 1° to 2°C lasting several seconds were noted adjacent to the ZEPTO™ tip and the corneal endothelium.[1]

Zonular safety has also been investigated using Miyake-Apple imaging during ZEPTO™ capsulotomy in rabbit eyes. Very little stress on the zonules was observed during application of suction, capsulotomy, and suction release.[1]

A complete assessment of safety and performance has been performed in live rabbits, which showed no corneal endothelial cell damage, inflammatory response, or gross and microscopic tissue damage due to ZEPTO™ use.[1]

UNIQUE FEATURES

ZEPTO™ capsulotomies have a **capsular edge tear strength 2 to 4 times greater** than that of continuous curvilinear capsulorhexis and femtosecond laser capsulotomies.[2]

ZEPTO™ allows **intraoperative capsulotomy centration on the patient's visual axis** for an optimized outcome.

Mynosys

A NOVEL DISPOSABLE CAPSULOTOMY DEVICE

ZEPTO™ allows you to create precise, visually centered, and stronger capsulotomies in milliseconds.

WHAT IS ZEPTO™?

- Instantaneous capsulotomy
- Precision centration on the visual axis
- Automated capsulotomy technology = ease of use
- Works with small pupils
- Not affected by corneal scars or irregularities
- Easy practice adoption
- Seamless integration into surgical sequence
- Ideal for difficult cases like weak zonules and dense cataracts

For more information, visit **www.mynosys.com**

ZEPTO™
PRECISION PULSE CAPSULOTOMY

REFERENCES: 1. Chang DF, et al. Precision pulse capsulotomy – preclinical safety and performance of a new capsulotomy technology. *Ophthalmology*. In press. **2.** Thompson V, et al. Comparison of manual, femtosecond laser, and precision pulse capsulotomy edge tear strength in paired human cadaver eyes. *Ophthalmology*. In press.

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