

# Study Spotlight: Stability of CT ASPHINA 409MP



Seeing beyond

CT ASPHINA 409MP provided patients with very satisfactory visual outcomes due to its stable position

## Source



### Title

Prospective study to compare axial position stability after fellow-eye implantation of 2 distinct intraocular lens designs



### Authors

Julius Hienert, Nino Hirnschall, Manuel Ruiss, Marlies Ullrich, Hannah Zwickl, Oliver Findl



### Publication

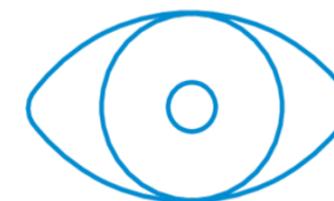
Journal of Cataract & Refractive Surgery: August 2021  
DOI: 10.1097/j.jcrs.0000000000000557

## Methodology

### IOL Stability

- CT ASPHINA® 409MP compared to CT LUCIA® 611P
- IOL stability and horizontal movement were determined by the difference in anterior chamber depth (ACD) measured 1 week, 1 month and 4 – 6 months post-operatively
- Monocular uncorrected, best corrected distance visual acuity and subjective refraction were also measured

### Sample Size

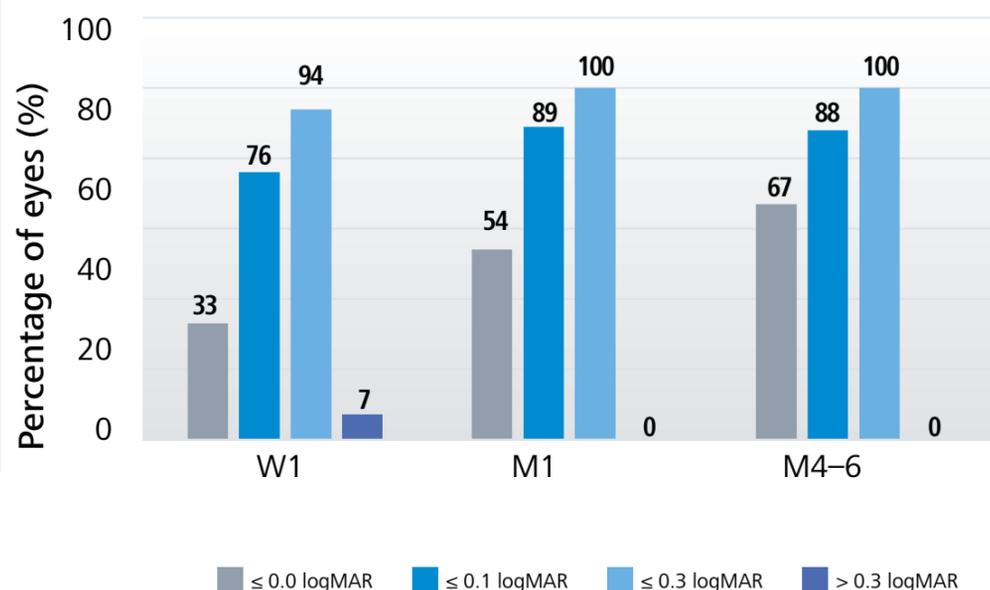


**46 patients (92 eyes)**

randomly implanted with both IOLs

## Results

### Uncorrected visual acuity at follow-up



### CT ASPHINA 409MP

- Settled in a stable position within 4 – 6 months post-operatively.
- Had a mean ACD variation of  $0.25 \pm 0.16$  mm between 1 week and 4 – 6 months, indicating a slight uniform backward movement over time before settling into a stable position. However, this had no impact on subjective refraction at any follow-up visit.
- Provided patients with very satisfactory visual outcomes with a mean monocular uncorrected distance visual acuity of  $0.03 \pm -0.10$  logMAR at 4 – 6 months post-operatively.
- No relevant or statistically significant differences were found in refraction or visual acuity between CT ASPHINA 409MP and CT LUCIA 611P at the last follow-up visit.