# Study Spotlight <br> Astigmatism Management <br> Saving time with the ZEISS Cataract Workflow 

The following is a summary of two studies that evaluated the efficiency gain using different ZEISS equipment for toric IOL implantation.

Surgical time savings for the intraoperative phase


## Publication

Mayer et al.
Journal of Cataract \& Refractive Surgery 43(10):p 1281-1286, October 2017.

Methodology/device set-up

| Manual marking <br> $(\mathbf{n}=\mathbf{2 8})$ | Digital markerless alignment <br> $(\mathbf{n}=\mathbf{2 9 )}$ |
| :--- | :--- |
| - ZEISS IOLMaster 700 | - ZEISS IOLMaster 700 |
| - Bubble marker | - ZEISS CALLISTO eye for markerless |
| - Horizontal $0^{\circ}$ marking |  |
| -Manual toric axis control <br> with IOL realignment after <br> manual axis control |  |

### 6.38 min or $34.4 \%$ time saving intraoperatively

Additional time saving using ZEISS CALLISTO eye together with ZEISS EQ Workplace vs. only ZEISS CALLISTO eye

Publication
Brunner et al.
J. Clin. Med. 2022, 11(10), 2907


Results
$\rightleftarrows$ Methodology/device set-up

Digital markerless alignment ( $\mathrm{n}=24$ )

- ZEISS IOLMaster 700
- ZEISS FORUM for digital data transfer
- ZEISS CALLISTO eye for marker less alignment

Digital markerless alignment + ZEISS EQ Workplace for surgical planning ( $\mathrm{n}=29$ )

VS.

- ZEISS IOLMaster 700
- ZEISS EQ Workplace based on ZEISS FORUM for surgical planning and digital data transfer
- ZEISS CALLISTO eye for markerless alignment
3.97 min or $17.5 \%$ additional time saving across the full workflow


## Conclusion

Using ZEISS CALLISTO eye results in faster
intraoperative IOL alignment and 34,4\% shorter overall surgical time ${ }^{1}$

Adding ZEISS EQ Workplace to toric intraocular lens implantation results in further time savings of $17.5 \%^{2}$

