

# Study Spotlight: IOLMaster 700 with TK



Seeing beyond

Outcome prediction in post-myopic LASIK patients –  
Barrett True K formula with TK

## Source



### Title

Total keratometry in intraocular lens power calculations in eyes with previous laser refractive surgery



### Authors

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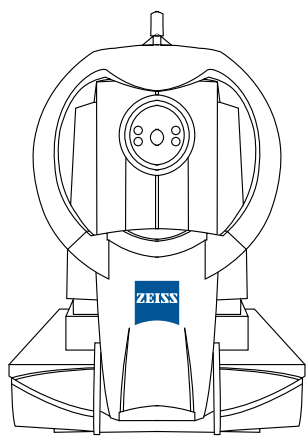


### Publication

Clinical & Experimental Ophthalmology, April 2020

## Methodology

### IOL Calculations

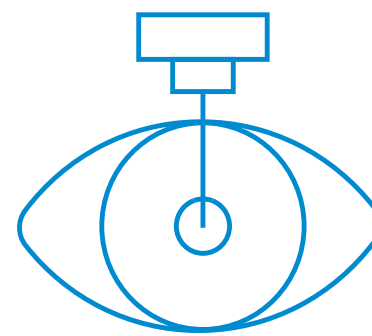


#### Formulas compared

- ASCRS Average with K<sup>1</sup>
- Barrett True K NH with K
- Barrett True K with TK
- Haigis L with K
- Haigis with TK
- Holladay 1 Double K with TK<sup>1</sup>
- Shammas with K<sup>1</sup>

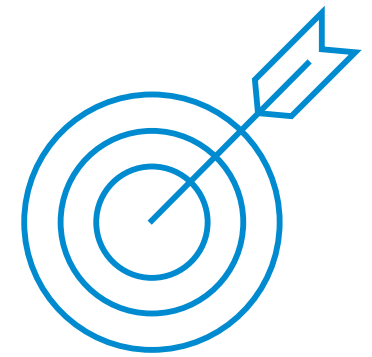
**ZEISS IOLMaster 700**  
with Total Keratometry (TK)

### Sample Size



**40 Post-Myopic LASIK Eyes**  
No History, Retrospective Analysis

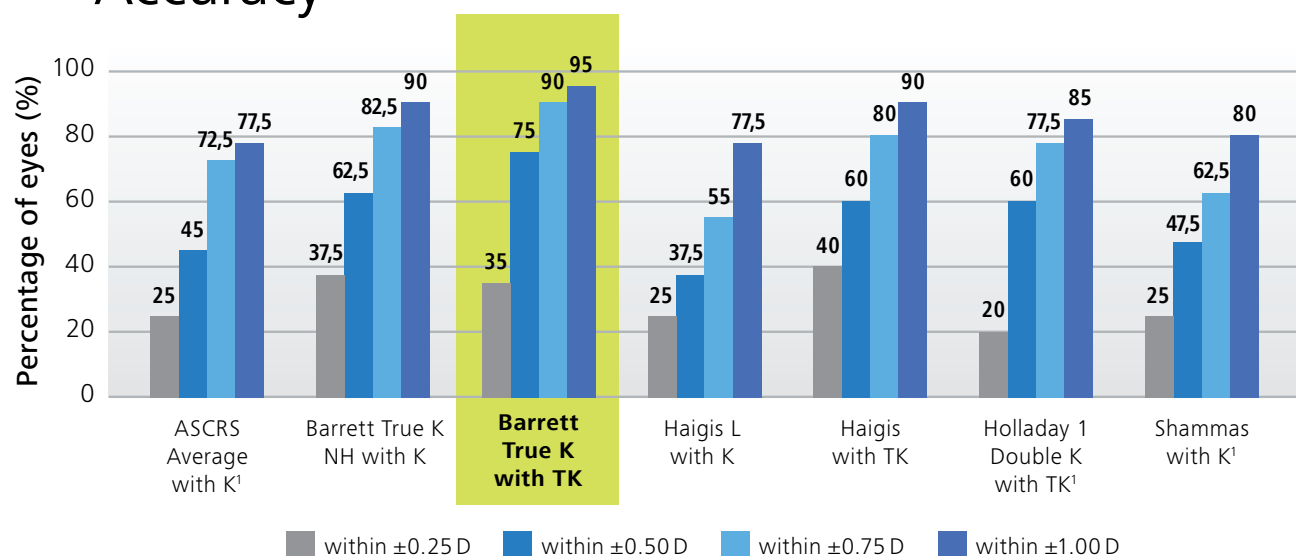
### Evaluation Criteria



**Prediction Accuracy**

## Results

### Accuracy



**In post-myopic LASIK eyes Barrett True K formula with TK improved the outcome prediction compared to the Barrett True K with Classic Ks within ±0.5 D by >12 % (p = 0.04).**

Disclaimer:

<sup>1</sup> Not available with the ZEISS IOLMaster 700