

# Study Spotlight: IOLMaster 700 with TK



Seeing beyond

Refractive outcomes in post-LVC cataract patients –  
Barrett True-K formula with TK

## Source

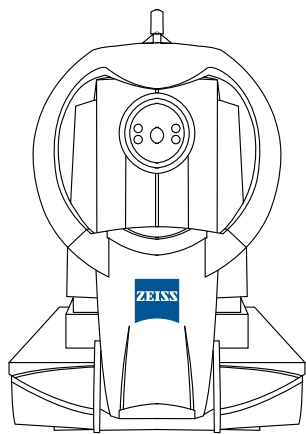
**Title**  
Total Keratometry in  
post refractive patients

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**Publication**  
Presentation at ASCRS Annual  
Meeting 2019, San Diego, USA

## Methodology

### IOL Calculations



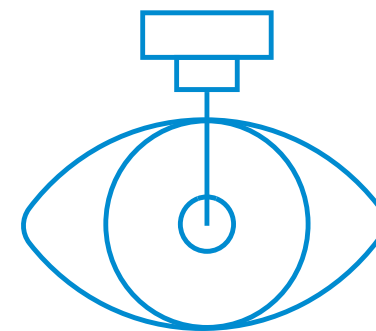
#### Formulas compared

- Barrett True-K formula with TK
- Barrett True-K
- Haigis L
- Haigis L TK
- Shammas<sup>1</sup>

### ZEISS IOLMaster 700

With Total Keratometry (TK)

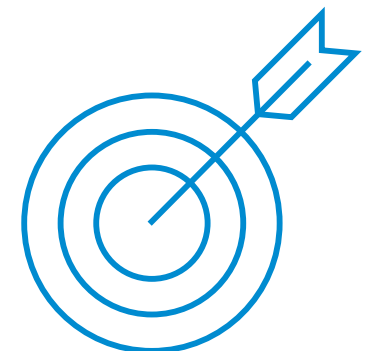
### Sample Size



### 60 Post Myopic LASIK Eyes

No History, Retrospective Analysis

### Evaluation Criteria

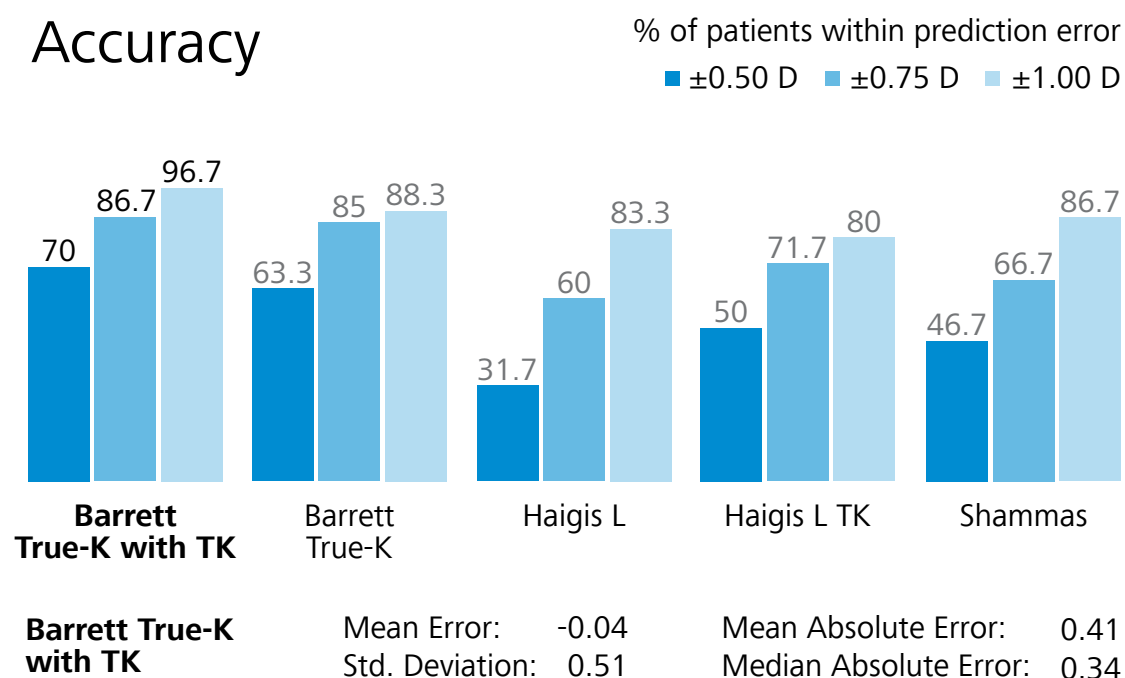


### Accuracy

Prediction Error

## Results

### Accuracy



**Barrett True-K formula with TK improved the outcome prediction compared to the Barrett True-K with classic K's by 6.7pp (p = 0.02)\*.**

Disclaimer:

The Barrett True-K formula with TK is currently not available with the ZEISS IOLMaster 700 but can be accessed via:  
[http://calc.apacrs.org/Barrett\\_True\\_K\\_Universal\\_2105](http://calc.apacrs.org/Barrett_True_K_Universal_2105)

\* For prediction error +/- 0.50%

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