Study Spotlight: IOLMaster 700 with TK
Refractive outcomes in post-myopic LASIK patients – Barrett True K formula with TK

Source

Title
Total Keratometry in post-myopic LVC 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 TK
– Shammas

ZEISS IOLMaster 700
With Total Keratometry (TK)

Sample Size
60 Post-Myopic LASIK Eyes
No History, Retrospective Analysis

Evaluation Criteria
Accuracy
Prediction Errors

Accuracy

% of patients within prediction error
±0.50 D  ±0.75 D  ±1.00 D

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:
1 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
2 Not available with the ZEISS IOLMaster 700
* For prediction error within ±0.5 D