LENSTAR LS 900 Calibration

Weekly nullification - SUCCESSFUL

Keratometry

Ocular surface (improvement necessary?) - NORMAL

K1 & K2 SD (maximum value, each eye) - ±0.25 D

Avg K power difference (between eyes) - < 1.25 D

Avg K power (each eye) - > 40.00 D and < 48.00 D

AST (maximum value, each eye) - < 4.25 D

Reflected LED images (all meridians) - GOOD QUALITY

T-cone Topography

Calibration - SUCCESSFUL

All measurements - CORRECTLY CENTERED

Topo maps (AC, T, E & Rings) - GOOD QUALITY

K1, K2 & A1 (all five measurements) - CONSISTENT

Axial Measurements

Measurement mode (phakic, silicone oil, etc.) - CORRECT

Fixation light (visualization by patient) - STEADY

5 consistent measurements - CONFIRMED

Caliper placement (cornea, lens & retina) - CORRECT

CCT (prior myopic LASIK?) - > 480 µm and < 620 µm

Phakic ACD (each eye) - > 1.8 mm and < 4.4 mm

Lens thickness (each eye) - > 3.0 mm and < 6.2 mm

OD & OS axial length - WITHIN 0.33 mm

AL consistent with oldest Rx SphEq - CONFIRMED

Outliers (either eye) - DELETE & REPEAT

White to White

Limbus ring - ADJUST AS REQUIRED

Avg WTW (unusual Ks, ACD or AL?) - > 10.0 and < 13.0 mm

Avg WTW (each eye) - WITHIN 0.1 mm

Avg WTW (between eyes) - WITHIN 0.2 mm

Additional Validation / Studies

Phakic ACD > 4.4 mm or < 1.8 mm - MD CONFIRMS

OD / OS AL difference > 0.33 mm - MD CONFIRMS

OD / OS avg K power > 1.25 D - MD CONFIRMS

AST > 4.25 D (KCN?) - TOPOGRAPHIC AXIAL MAP

Avg K power > 48.00 D or < 40.00 D - MD CONFIRMS