LENSTAR LS 900

**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
- **Steep meridian SD** (maximum value, each eye) ± 3.5°
- **AST** (maximum value, each eye) < 4.25 D
- **Reflected LED images** (all meridians) GOOD QUALITY

### T-cone Topography

- **Calibration** SUCCESSFUL
- **All measurements** CORRECTLY CENTERED
- **Topographic 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** (between eyes) WITHIN 0.33 mm
- **AL consistent with oldest Rx SphEq** CONFIRMED
- **Outliers** (either eye) DELETE & REPEAT

### White to White

- **Limbus measurement 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