

Clinical Evaluation of Ocular Biometry of Dual Scheimpflug Analyzer, GALILEI G6 and Swept Source Optical Coherence Tomography, ANTERION

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Running title: Evaluation of ocular biometry of ANTERION and GALILEI G6 .

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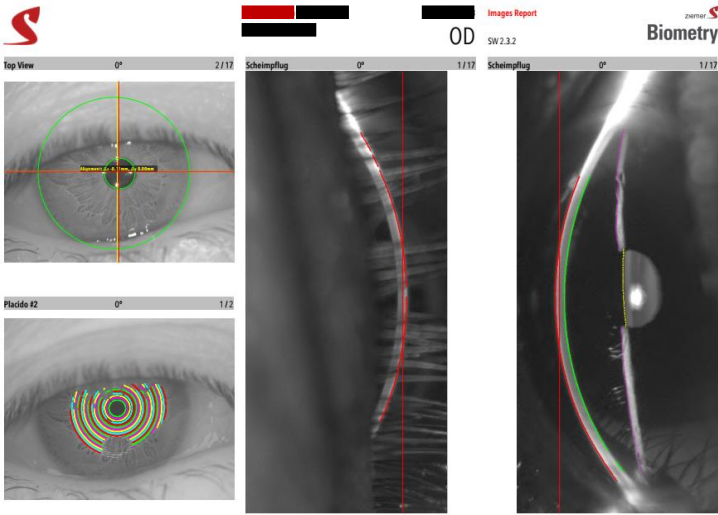
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Keywords: Ocular biometry, optical biometer, swept source OCT, Scheimpflug camera, agreement, IOL calculation, cataract, Bland-Altman plot



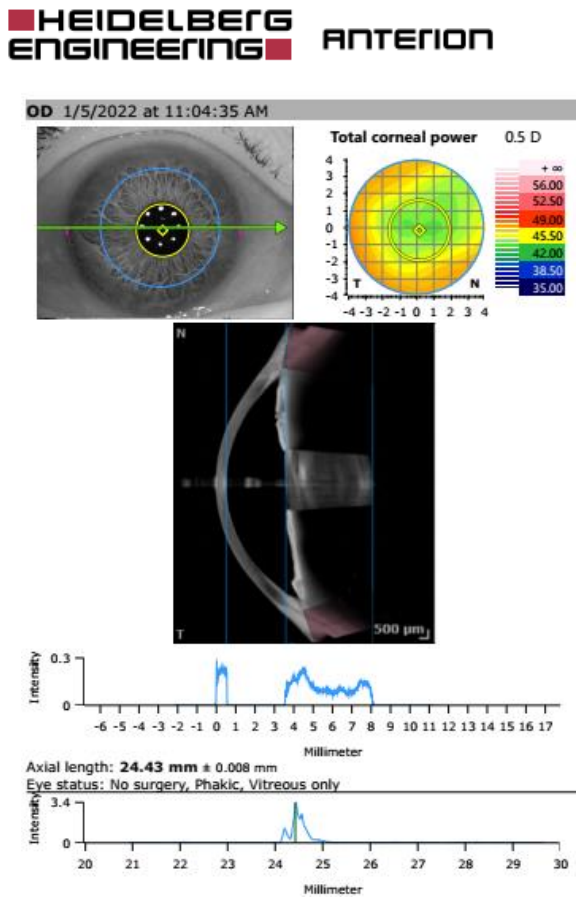
Date of birth: [REDACTED]
Date of exam: [REDACTED]

OD

Phakic eye Target Refraction 0.0

		n 1.3375	
AL	24.40mm	ACD	3.51mm
Flat SimK (K1)	45.05D	R1	7.49mm 78°
Steep SimK (K2)	45.56D	R2	7.41mm 168°
Astig	0.50D		168°
SimK	45.30D	R	7.45mm
CCT	538µm	Mean TCPIOL	43.75D
LT	4.38mm	WTW, N-T	11.49mm

Supplementary figure 1: Ocular biometry reported from GALILEI G6 of the right eye of a 71 year-old Thai male with diagnosis of senile cataract.



Anterior axial curvature (simulated)
nk = 1.3375; 3 mm ring

SimK average 44.89 D
SimK (steep) 45.35 D @ 100°
SimK (flat) 44.43 D @ 10°
Astigmatism (steep) 0.92 D @ 100°

Astigmatism (Steep)
nc = 1.376; nah=1.336; 3 mm ring

Astigm. (total) 0.66 D @ 97°
Astigm. (posterior) -0.40 D @ 104°
Δ Ast. (anterior - total) 0.26 D @ 2°

Total corneal wavefront
3 mm zone, pupil-centered

Z₄ Spherical aberration 0.02 µm
RMS HOA 0.06 µm

Pachymetry

CCT (vertex) 523 µm

Anterior segment

AQD 3.07 mm
CCT + AQD 3.59 mm
Lens thickness 4.47 mm

Pupil & WTW

○ Pupil diameter 3.5 mm
◇ Pupil center 0.25 mm (314°)
Pupil center x/y 0.18/-0.18 mm
|| WTW 11.55 mm

Axial length

Length 24.43±0.01 mm

Supplementary figure 2: Ocular biometry reported from ANTERION of the same eye and same patient as the supplementary figure 1.

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