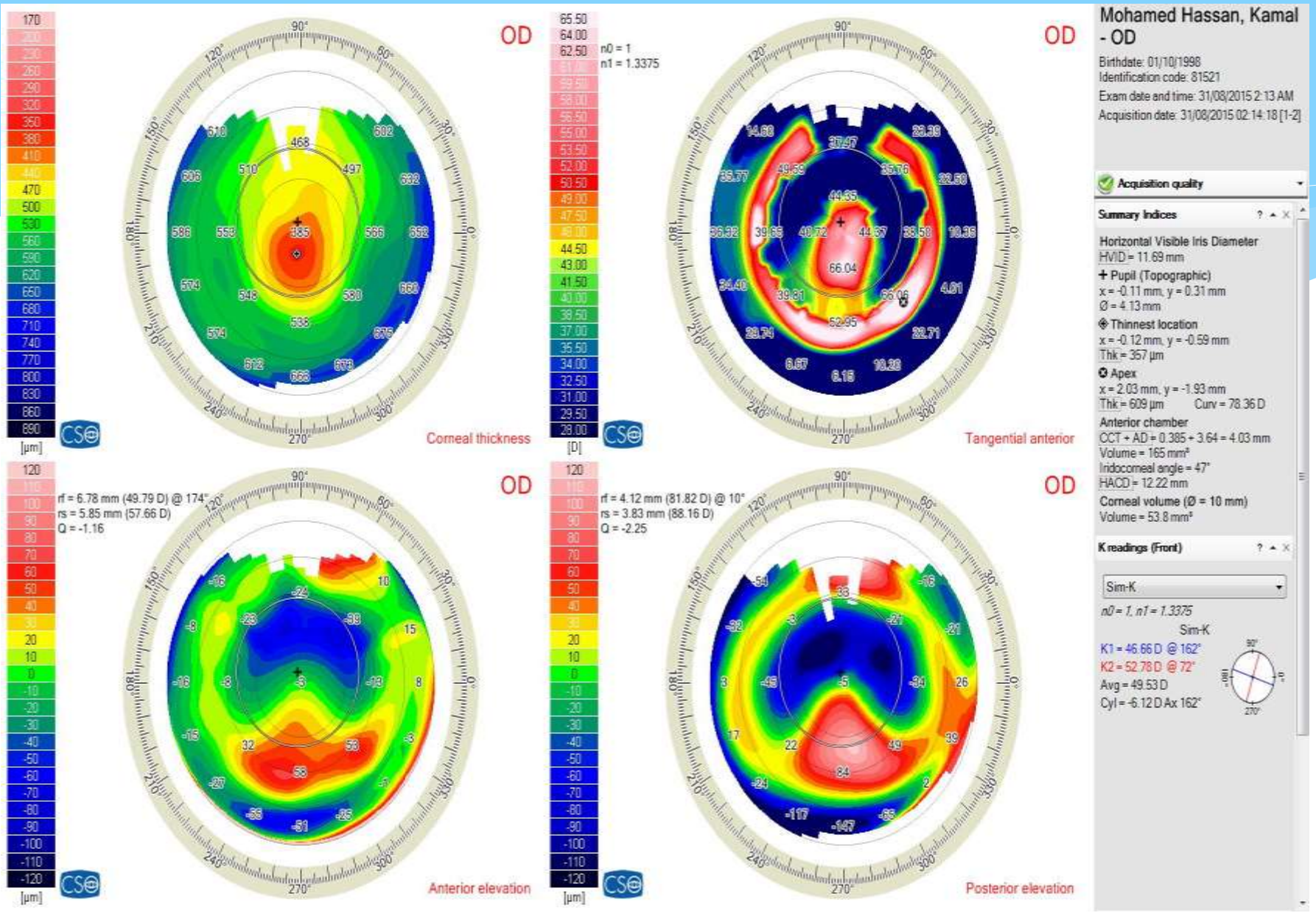
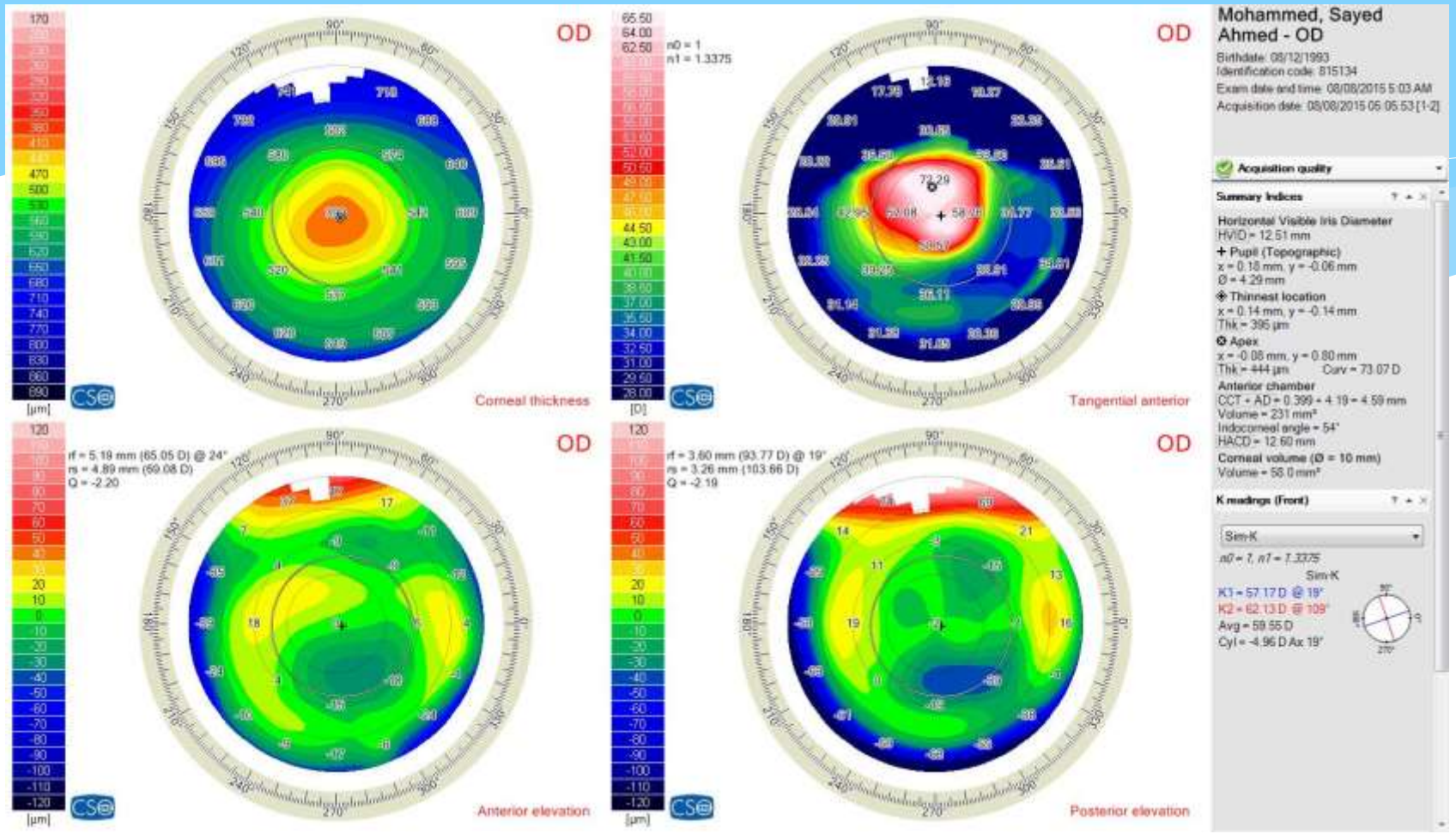

OD
Corneal thickness
OD
n0 = 1
n1 = 1.3375
Tangential anterior
OD
rf = 6.78 mm (49.79 D) @ 174°
rs = 5.85 mm (57.66 D)
Q = -1.16
Anterior elevation
OD
rf = 4.12 mm (81.82 D) @ 10°
rs = 3.83 mm (88.16 D)
Q = -2.25
Posterior elevation
Mohamed Hassan, Kamal - OD
Birthdate: 01/10/1998
Identification code: 81521
Exam date and time: 31/08/2015 2:13 AM
Acquisition date: 31/08/2015 02:14:18 [1-2]
Acquisition quality
Summary Indices
Horizontal Visible Iris Diameter
HVID = 11.69 mm
Pupil (Topographic)
x = -0.11 mm, y = 0.31 mm
Ø = 4.13 mm
Thinnest location
x = -0.12 mm, y = -0.59 mm
Thk = 357 µm
Apex
x = 2.03 mm, y = -1.93 mm
Thk = 609 µm Curv = 78.36 D
Anterior chamber
OCT + AD = 0.385 + 3.64 = 4.03 mm
Volume = 165 mm³
Iridocorneal angle = 47°
HACD = 12.22 mm
Corneal volume (Ø = 10 mm)
Volume = 53.8 mm³
K readings (Front)
Sim-K
n0 = 1, n1 = 1.3375
Sim-K
K1 = 46.66 D @ 162°
K2 = 52.78 D @ 72°
Avg = 49.53 D
Cyl = -6.12 D Ax 162°

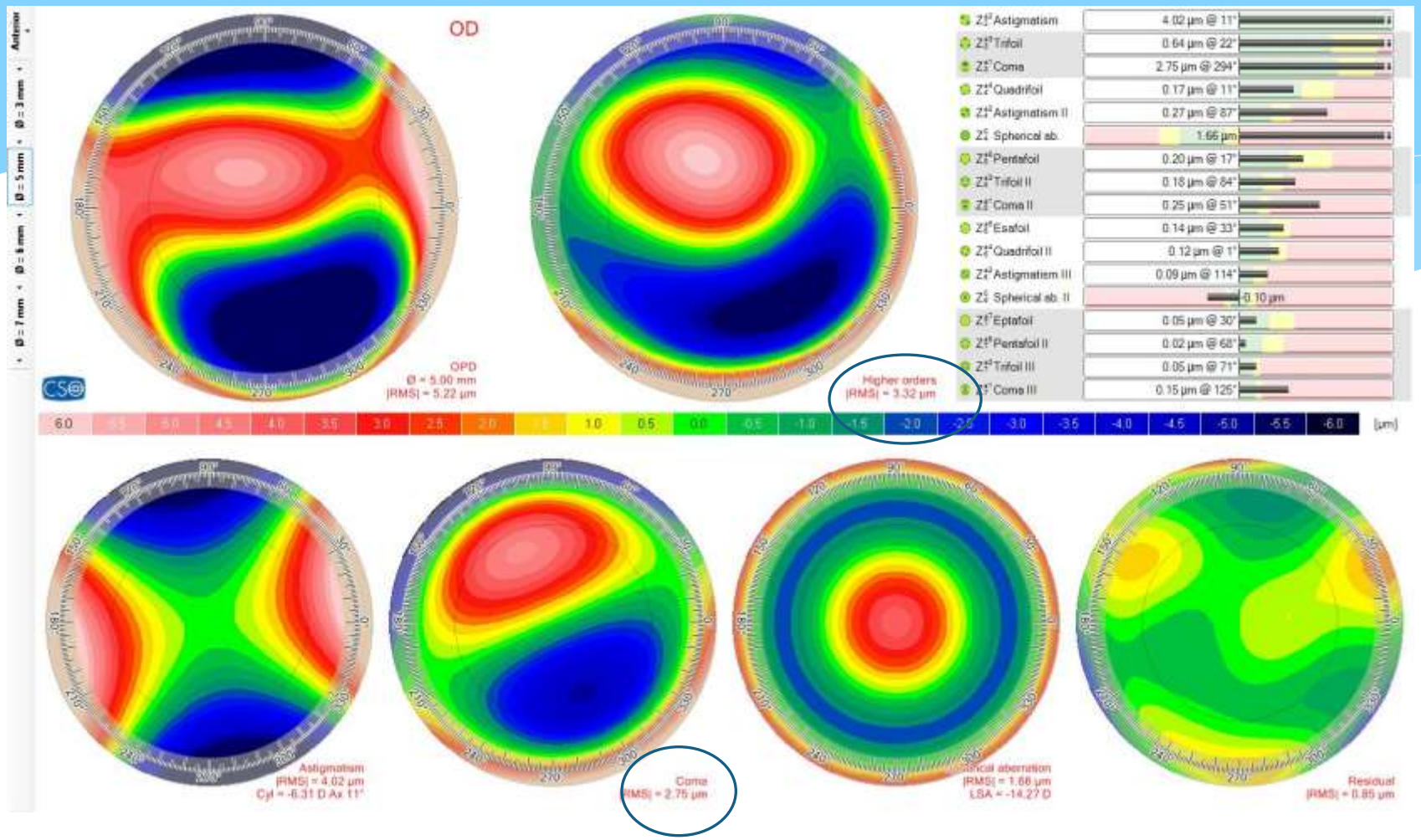
Rings in advanced cases

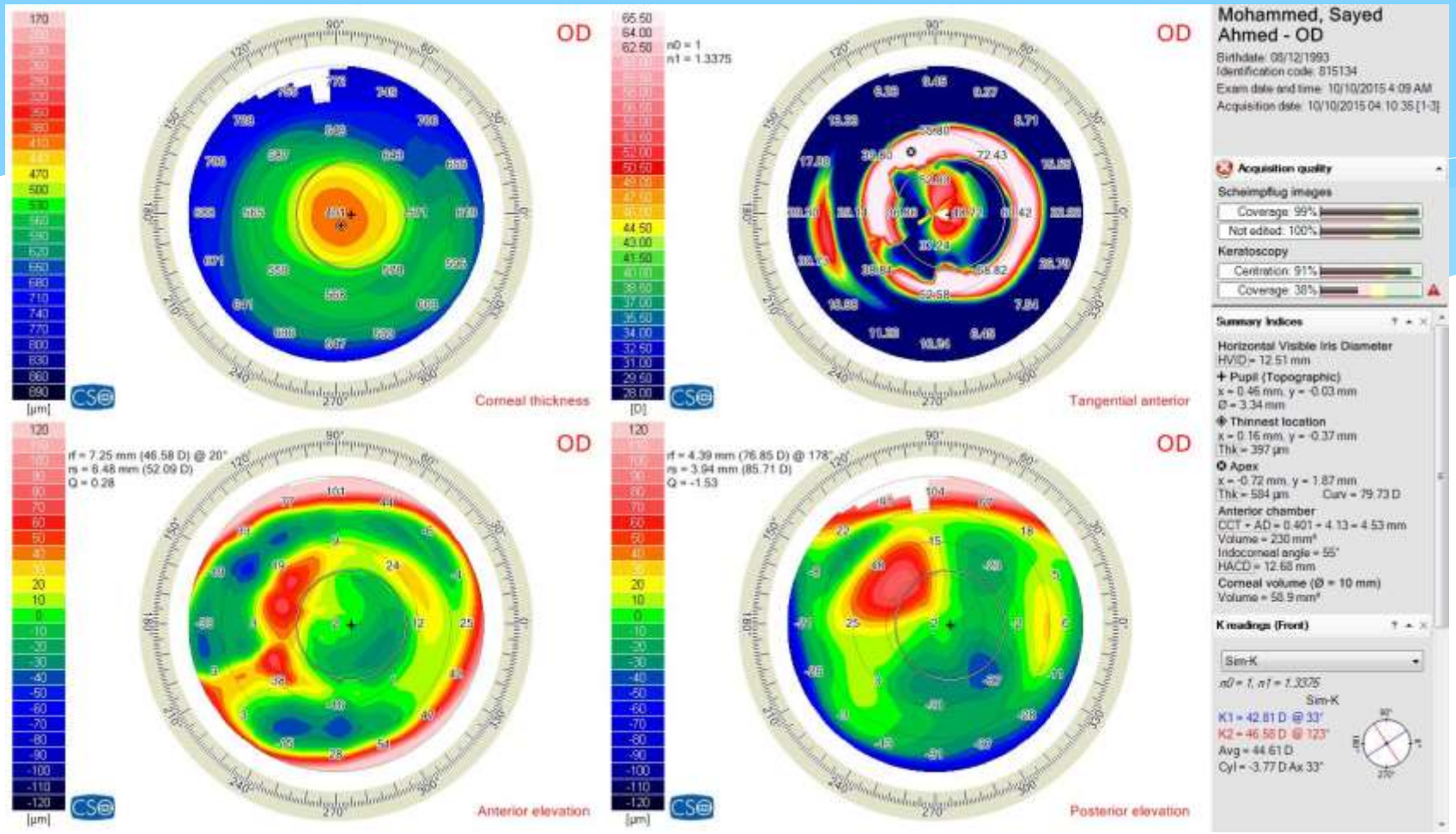
Aim:

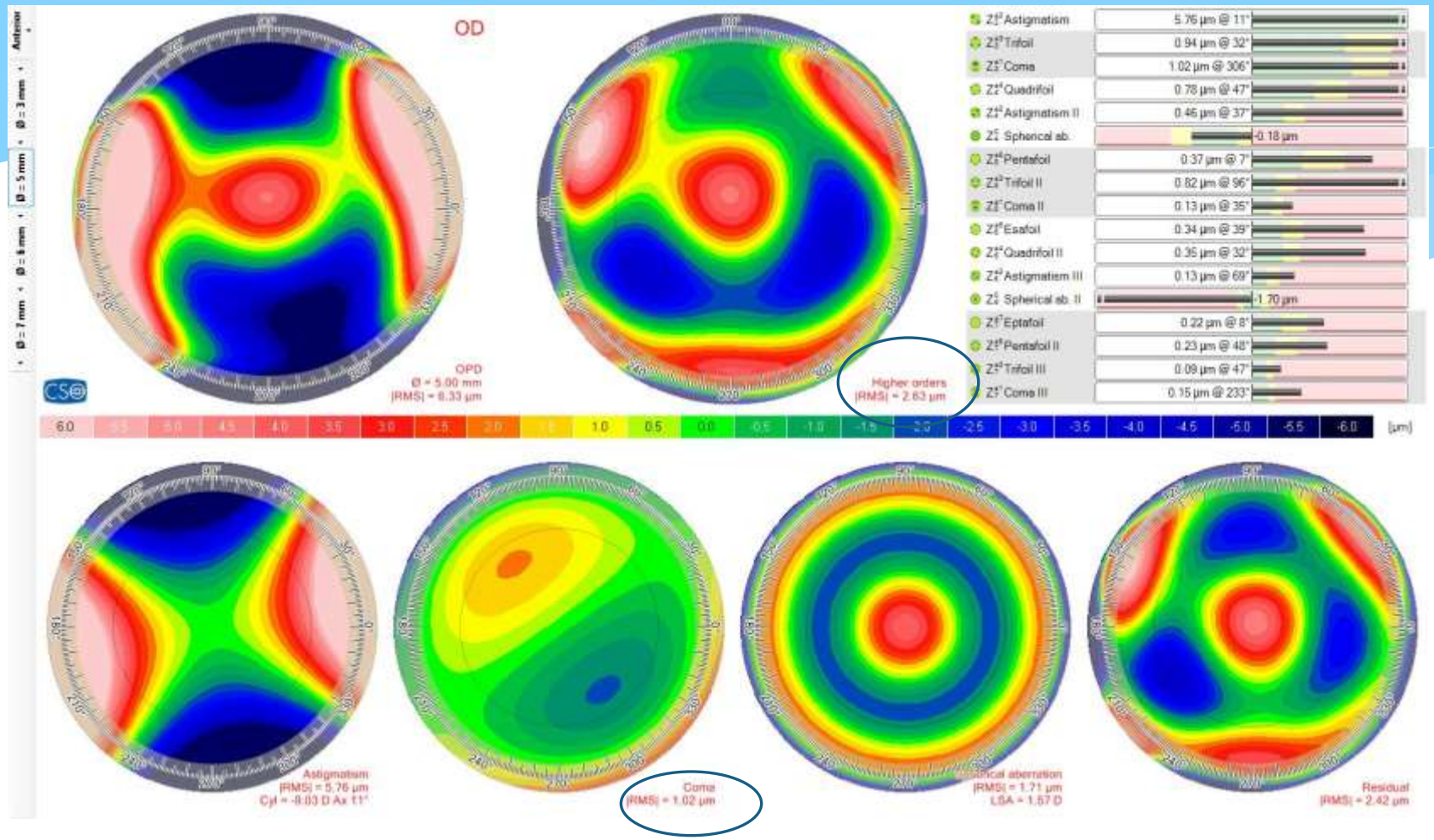
- To delay corneal grafting.
- To make the eye refractable.
- To decrease coma aberrations.

N.B: Keratoplasty is still an option


OD
Corneal thickness
[µm]
OD
Tangential anterior
[D]
n0 = 1
n1 = 1.3375
OD
rf = 5.19 mm (65.05 D) @ 24°
rs = 4.89 mm (69.08 D)
Q = -2.20
Anterior elevation
[µm]
OD
rf = 3.60 mm (93.77 D) @ 19°
rs = 3.26 mm (103.66 D)
Q = -2.19
Posterior elevation
[µm]
Mohammed, Sayed Ahmed - OD
Birthdate: 08/12/1993
Identification code: 815134
Exam date and time: 08/08/2015 5:03 AM
Acquisition date: 08/08/2015 05:05:53 [1-2]
Acquisition quality
Summary Indices
Horizontal Visible Iris Diameter
HVID = 12.51 mm
Pupil (Topographic)
x = 0.18 mm, y = -0.06 mm
Ø = 4.29 mm
Thinnest location
x = 0.14 mm, y = -0.14 mm
Thk = 395 µm
Apex
x = -0.08 mm, y = 0.80 mm
Thk = 444 µm
Curv = 73.07 D
Anterior chamber
CCT + AD = 0.399 + 4.19 = 4.59 mm
Volume = 231 mm³
Iridocorneal angle = 54°
HACD = 12.60 mm
Corneal volume (Ø = 10 mm)
Volume = 56.0 mm³
K readings (Front)
Sim-K
n0 = 1, n1 = 1.3375
Sim-K
K1 = 57.17 D @ 19°
K2 = 62.13 D @ 109°
Avg = 59.65 D
Cyl = -4.96 D Ax 19°


OD
Anterior
Ø = 3 mm
Ø = 5 mm
Ø = 8 mm
Ø = 7 mm
OPD
Ø = 5.00 mm
|RMS| = 5.22 µm
Higher orders
|RMS| = 3.32 µm
Z2-2 Astigmatism 4.02 µm @ 11°
Z3-3 Trifoil 0.64 µm @ 22°
Z3-1 Coma 2.75 µm @ 294°
Z4-4 Quadrifoil 0.17 µm @ 11°
Z4-2 Astigmatism II 0.27 µm @ 87°
Z4 0 Spherical ab. 1.66 µm
Z5-5 Pentafoil 0.20 µm @ 17°
Z5-3 Trifoil II 0.18 µm @ 84°
Z5-1 Coma II 0.25 µm @ 51°
Z6-6 Esafoil 0.14 µm @ 33°
Z6-4 Quadrifoil II 0.12 µm @ 1°
Z6-2 Astigmatism III 0.09 µm @ 114°
Z6 0 Spherical ab. II -0.10 µm
Z7-7 Eptafoil 0.05 µm @ 30°
Z7-5 Pentafoil II 0.02 µm @ 68°
Z7-3 Trifoil III 0.05 µm @ 71°
Z7-1 Coma III 0.15 µm @ 125°
6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 -2.5 -3.0 -3.5 -4.0 -4.5 -5.0 -5.5 -6.0 (µm)
Astigmatism
|RMS| = 4.02 µm
Cyl = -6.31 D Ax 11°
Coma
|RMS| = 2.75 µm
Spherical aberration
|RMS| = 1.66 µm
LSA = -14.27 D
Residual
|RMS| = 0.85 µm


OD
Corneal thickness
OD
Tangential anterior
OD
Anterior elevation
OD
Posterior elevation
Mohammed, Sayed Ahmed - OD
Birthdate: 08/12/1993
Identification code: 815134
Exam date and time: 10/10/2015 4:09 AM
Acquisition date: 10/10/2015 04:10:35 [1-3]
Acquisition quality
Scheimpflug images
Coverage: 99%
Not edited: 100%
Keratoscopy
Centration: 91%
Coverage: 38%
Summary Indices
Horizontal Visible Iris Diameter
HVID = 12.51 mm
Pupil (Topographic)
x = 0.46 mm, y = -0.03 mm
Ø = 3.34 mm
Thinnest location
x = 0.16 mm, y = -0.37 mm
Thk = 397 µm
Apex
x = -0.72 mm, y = 1.87 mm
Thk = 584 µm
Curv = 79.73 D
Anterior chamber
ACT = AD = 0.401 = 4.13 = 4.53 mm
Volume = 230 mm³
Iridocorneal angle = 55°
HACD = 12.68 mm
Corneal volume (Ø = 10 mm)
Volume = 58.9 mm³
K readings (Front)
Sim-K
n0 = 1, n1 = 1.3375
Sim-K
K1 = 42.81 D @ 33°
K2 = 46.56 D @ 123°
Avg = 44.61 D
Cyl = -3.77 D Ax 33°


OD
Anterior
Ø = 3 mm
Ø = 5 mm
Ø = 6 mm
Ø = 7 mm
OPD
Ø = 5.00 mm
|RMS| = 6.33 µm
Higher orders
|RMS| = 2.63 µm
Z2-2 Astigmatism 5.76 µm @ 11°
Z3-3 Trifoil 0.94 µm @ 32°
Z3-1 Coma 1.02 µm @ 306°
Z4-4 Quadrifoil 0.78 µm @ 47°
Z4-2 Astigmatism II 0.46 µm @ 37°
Z4 0 Spherical ab. -0.18 µm
Z5-5 Pentafoil 0.37 µm @ 7°
Z5-3 Trifoil II 0.82 µm @ 96°
Z5-1 Coma II 0.13 µm @ 35°
Z6-6 Esafoil 0.34 µm @ 39°
Z6-4 Quadrifoil II 0.35 µm @ 32°
Z6-2 Astigmatism III 0.13 µm @ 69°
Z6 0 Spherical ab. II -1.70 µm
Z7-7 Eptafoil 0.22 µm @ 8°
Z7-5 Pentafoil II 0.23 µm @ 48°
Z7-3 Trifoil III 0.09 µm @ 47°
Z7-1 Coma III 0.15 µm @ 233°
6.0 5.5 5.0 4.5 4.0 3.5 3.0 2.5 2.0 1.5 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 -2.5 -3.0 -3.5 -4.0 -4.5 -5.0 -5.5 -6.0 [µm]
Astigmatism
|RMS| = 5.76 µm
Cyl = -8.03 D Ax 11°
Coma
|RMS| = 1.02 µm
Spherical aberration
|RMS| = 1.71 µm
LSA = 1.57 D
Residual
|RMS| = 2.42 µm

Thank you