

In this case, there is once again a difference in the magnitude of the astigmatism between the clinical (manifest) and the Contoura anterior corneal measured. In this case, however, there is a fairly large posterior corneal astigmatism present. Phorcides will account for this.

Phorcides Analytic Engine - 1.9.4

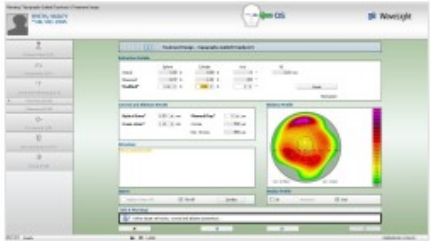
File Tools Help nseye2

1. Open Image

JPEG screenshot of Contoura Topographic Only Treatment

	Sphere	Cylinder	Axis
Clinical	-1.50 D	0.00 D	0 °
Measured	-0.37 D	-1.01 D	169 °
Modified*	0.00 D	0.00 D	0 °

↑ ↑
Zero out Modified Sphere and Cylinder



SP3 Open Image

2. Enter Patient Data

Patient ID: ID Number 8/28/1995 HAI SM

Eye: Right (OD) Left (OS)

	Sphere	Minus Cylinder	Axis
Manifest Refraction "Clinical"	-1.50 D	0.00 D	0 °
Contoura Recommended Treatment "Measured"		-1.01 D	169 °
Topographer Anterior Corneal Negative Cylinder (Flat Axis)		-0.98 D	178 °
Topographer Posterior Corneal Negative Cylinder (Steep Axis)		-0.48 D	90 °

Tissue Ablation: max: 10.59µm, cen: 3.26µm

max: 10.59 µm, cen: 3.26 µm

3. Calculate Treatment

PHORCIDES ANALYTIC ENGINE Recommended Treatment

Sphere Minus Cylinder Axis Processor

We then hit calculate treatment to bring us to our final Phorcides treatment evaluation page. In the clinic, the patient did not want any astigmatism correction at the phoropter. Why? There is 1.01 diopters of Contoura measured anterior corneal astigmatism present. So, what has neutralized this? The vector diagram gives you the answer. Both the talus astigmatism vector and the internal astigmatism vector are in a direction that reduces the effect, neutralizes, the corneal astigmatism. Contoura will remove the talus astigmatism, so how much anterior astigmatism should be treated and how much should be left in place to balance and neutralize the internal astigmatism that is going to remain after LASIK? Phorcides gives you the precise answer, 0.43 diopters.

Recommended Treatment
✕

Patient

ID: DOB: Name:

Refractive Details

	Sphere	Cylinder	Axis
Clinical	-1.50 D	0.00 D	0 °
Measured	-0.37 D	-1.01 D	169 °
Recommended	-1.44 D	-0.43 D	164 °

Eye

Right (OD)

Left (OS)

Ophthalmic Vectors

Legend:

- corneal astigmatism
- talus astigmatism
- internal astigmatism
- final treatment vector

Extra vectors

manifest astigmatism