

This is an important case to review. There is a small subset of patients who did not do well with Contoura. These same patients, when treated with WFO, have very high enhancement rates. What is unique about these patients? They have oblique astigmatism on manifest refraction but WTR or ATR normal corneal astigmatism. Phorcides has been designed to identify these patients and offer a treatment solution that seems to work best.

Phorcides Analytic Engine - 1.9.4

File Tools Help nseye2

1. Open Image

JPEG screenshot of Contoura Topographic Only Treatment

	Sphere	Cylinder	Axis
Clinical	-6.50 D	-1.50 D	145 °
Measured	-0.49 D	-2.33 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: 128676 | 11/10/1978 | TIMOTHY | EME

Eye: Right (OD) Left (OS)

	Sphere	Minus Cylinder	Axis
Manifest Refraction "Clinical"	-6.50 D	-1.50 D	145 °
Contoura Recommended Treatment "Measured"		-2.33 D	169 °
Topographer Anterior Corneal Negative Cylinder (Flat Axis)		-1.90 D	165 °
Topographer Posterior Corneal Negative Cylinder (Steep Axis)		-0.50 D	74 °

Tissue Ablation: max: 6.28μm, cen: 2.93μm

max: 6.28 μm, cen: 2.93 μm

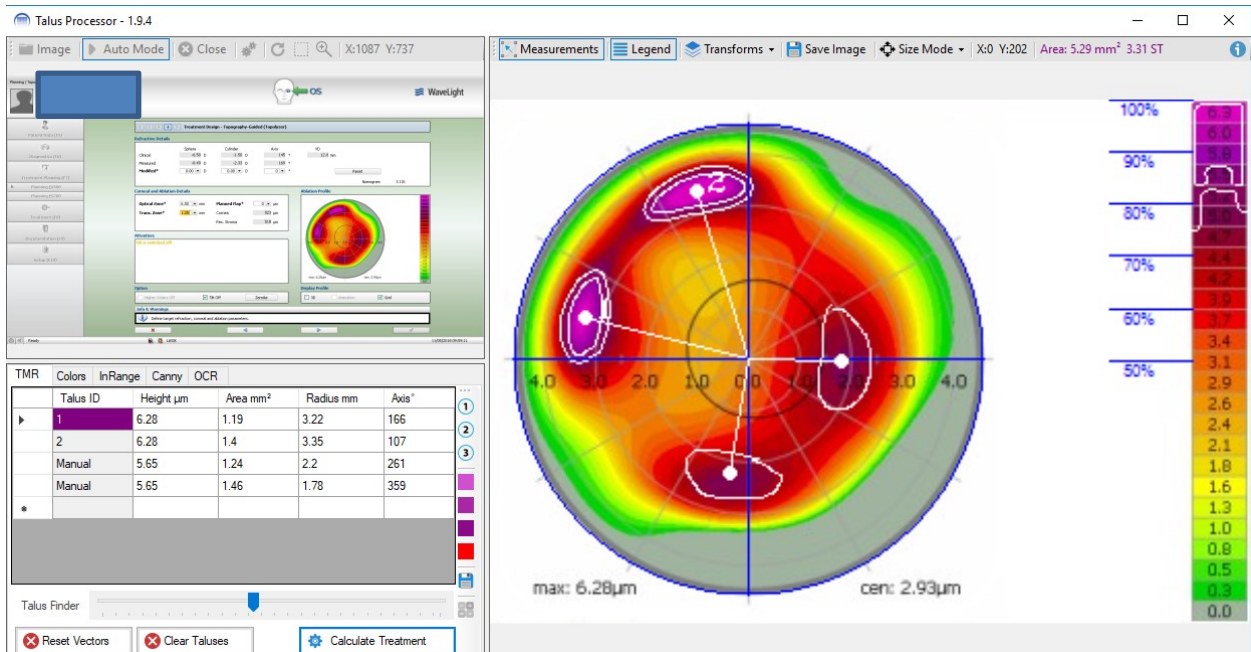
3. Calculate Treatment

PHORCIDES ANALYTIC ENGINE Recommended Treatment

Sphere Minus Cylinder Axis Processor

Once the data has been entered, hit "Processor" button in the lower right corner.

The Phorcides software automatically identified the two most significant taluses at axis 166 and axis 107. The mouse was used to circle two others that had significance. Each of these taluses circled with the mouse had elements of purple and red, thus they were deemed to be at the 80% mark according to the scale on the right. With the taluses identified, the “Calculate Treatment” button was selected at the bottom of the page.



Phorcides is warning the user that this patient has oblique astigmatism on manifest but corneal astigmatism that is normal. The surgeon has two choices. First, simply convert to WFO. This is the easiest path but our analysis shows a high rate of enhancements in patients with these findings. The second option is to first treat with a Contoura treatment and then add a second WFO treatment immediately after. While this is more complex, our research indicates it gives a better result than simply WFO alone. It is up to the surgeon to use their judgement on what treatment is best.

Recommended Treatment

Patient

ID: DOB: Name:

Save

Refractive Details

	Sphere	Cylinder	Axis
Clinical	-6.50 D	-1.50 D	145 $^\circ$
Measured	-0.49 D	-2.33 D	169 $^\circ$

Caution! Phorcides recommends either converting to WFO in this case or dual treatment as outlined below.

Contoura Treatment	<input type="text" value="-6.41"/> D	<input type="text" value="-1.66"/> D	<input type="text" value="167"/> $^\circ$
WFO Treatment	<input type="text" value="plano"/> D	<input type="text" value="-0.9075"/> D	<input type="text" value="108"/> $^\circ$

Eye

Right (OD)

Left (OS)