The Avanti Anterior Segment Module expands the clinical utility of your OCT to address a broad range of patients in the practice. This comprehensive package includes exciting new technology as well as the standard features you’ve come to expect from anterior segment OCT.

Avanti Widefield OCT offers a new way to calculate IOL powers and to assess the thickness of the epithelium, while also providing essential functions such as cornea cross-line scans, angle measurement and pachymetry.

**Visualize**

Anterior segment anatomy to gain new information that increases diagnostic confidence.

**Corneal Cross-Sections:**
- Epithelium
- Stroma
- Endothelium

**Anterior Chamber Angles**

**Corneal and Epithelial Thickness**
**Anterior Segment Module**

**Analyze**

- **Measure**
  - Anterior chamber angles

- **Quantify**
  - Anterior chamber angles
  - Pachymetry and Epithelial Thickness Maps

- **Calculate**
  - Total Cornea Power (TCP®) Report
  - Corneal power in post refractive surgery patients

- **Track Changes**
  - Pachymetry and Epithelial Thickness Change Analysis Report
  - in corneal and epithelial thickness between visits

**Personalize**

- **Visualize. Analyze. Personalize**

- **IOL Power Calculation**
  - Provides direct quantification of the corneal power by measuring both the front and the back surfaces of the cornea
  - Scan acquisition takes less than two seconds and renders historical data unnecessary
  - Data points are entered into the ASCRS online IOL calculator to generate recommended lens power

- **Keratoconus Management**
  - Epithelial thickness may be an important parameter in the early detection of keratoconus diagnosis and progression
  - ETM™ provides an efficient way to quantify epithelial thickness and to track change between visits

- **Refractive Surgery Planning**
  - An abnormal epithelium may interfere with Scheimpflug imaging, which could bias refractive surgery outcomes
  - ETM provides new information on the distribution of epithelial thickness that may improve visual outcomes
Case Study
Post-Refractive Surgery IOL Power Calculation
51 Year-Old Male Post-RK OU

TCP Report

<table>
<thead>
<tr>
<th></th>
<th>OD</th>
<th>OS</th>
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<tbody>
<tr>
<td>IOL Power</td>
<td>28.5</td>
<td>25.5</td>
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<tr>
<td>UCVA</td>
<td>20/30</td>
<td>20/20</td>
</tr>
<tr>
<td>BCVA</td>
<td>20/20 w/ +0.25-100 @ 90</td>
<td>20/15 w/ -0.25</td>
</tr>
</tbody>
</table>

Outcomes
In this case, the OCT data was used to increase the robustness of the IOL calculation.

References
3. Kanellopoulos AJ, Asimellis G. AS-OCT Epithelial Thickness: an important Clinical Screening Tool. Laservision.gr Eye Institute, Athens, Greece. NYU Medical School, New York, New York, USA.

OCT information from the TCP software is an official part of the ASCRS IOL calculator.