**Supplementary materials**

About the web application http://loocus-iolcalc.ai

For those who want to use the web application anonymously, access information is provided in this section. Users can use the following ID to log in:

ID: fawoo2@yonsei.ac.kr

Password: ophthalmology



Currently, refraction measurement and keratometry data are needed to determine whether the patient's measurements can be used with this application. Patients with measurements outside the specific ranges or keratoconus cannot be evaluated using our machine learning model.

The machine learning model was trained using AS-OCT measurements under dark conditions (B&VIIT Eye Center, Seoul, South Korea).

No data input is allowed for variables other than those marked with an asterisk.

Currently, STS is not directly used by the algorithms. This will be resolved later owing to technical problems.
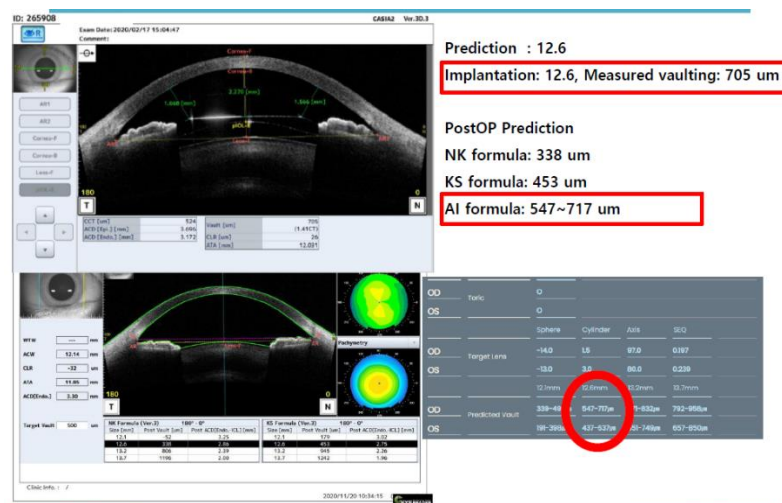


This figure shows the results obtained using our web application for the example shown in Fig. 9