

1. Enable Axial Length function.

The image shows a Windows File Explorer window with the path `<< OCT >> src >> work >> OCT-9000 >> build >> Release`. The file `UserConfig.ini` is selected and highlighted with a red box. A callout bubble points to it with the text "Open UserConfig.ini file".

The `UserConfig.ini` file is open in Notepad, showing the following configuration:

```
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=0
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
sl
sl
octNFundusMeasType=2
enableAxialLength=1
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
defaultAnterior=1
```

The line `enableAxialLength=1` is highlighted with a red dashed box, and a callout bubble points to it with the text "Set 'enableAxialLength' option to '1'".

2. Run on auto measurement mode

The image shows a Windows file explorer window with a list of files. A red box highlights the `UserConfig.ini` file. A callout bubble points to it with the text "Open UserConfig.ini file".

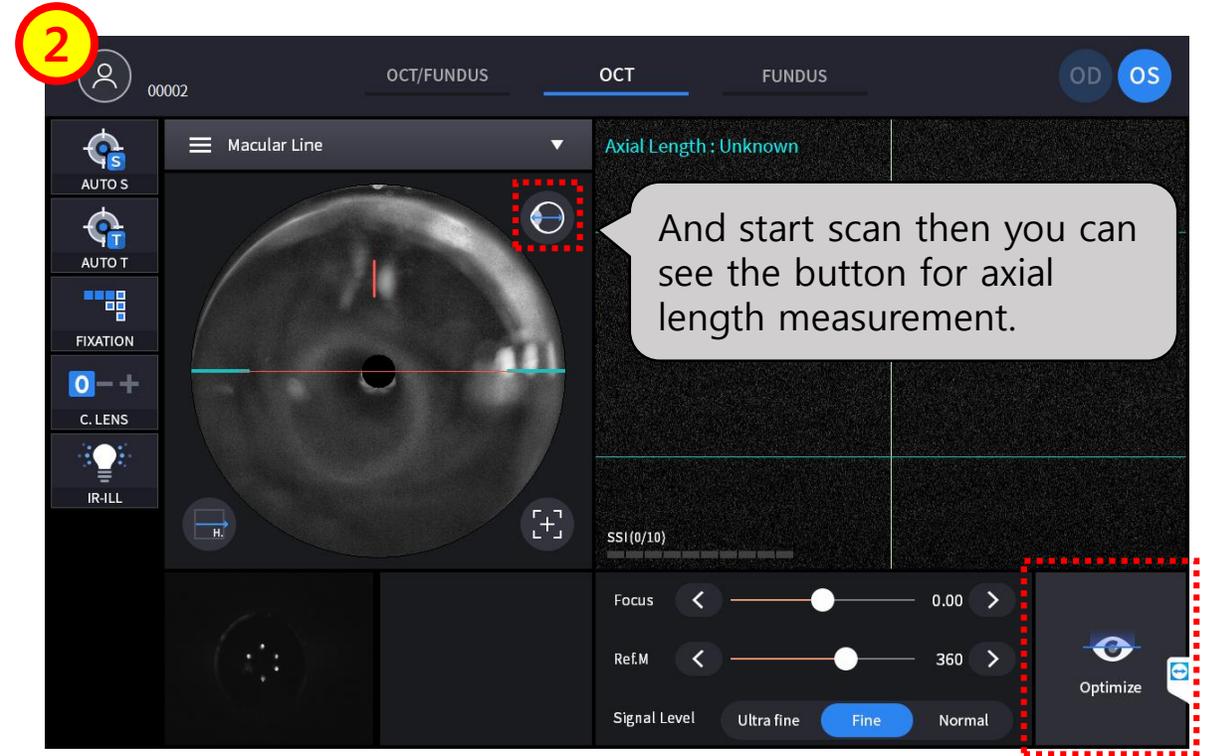
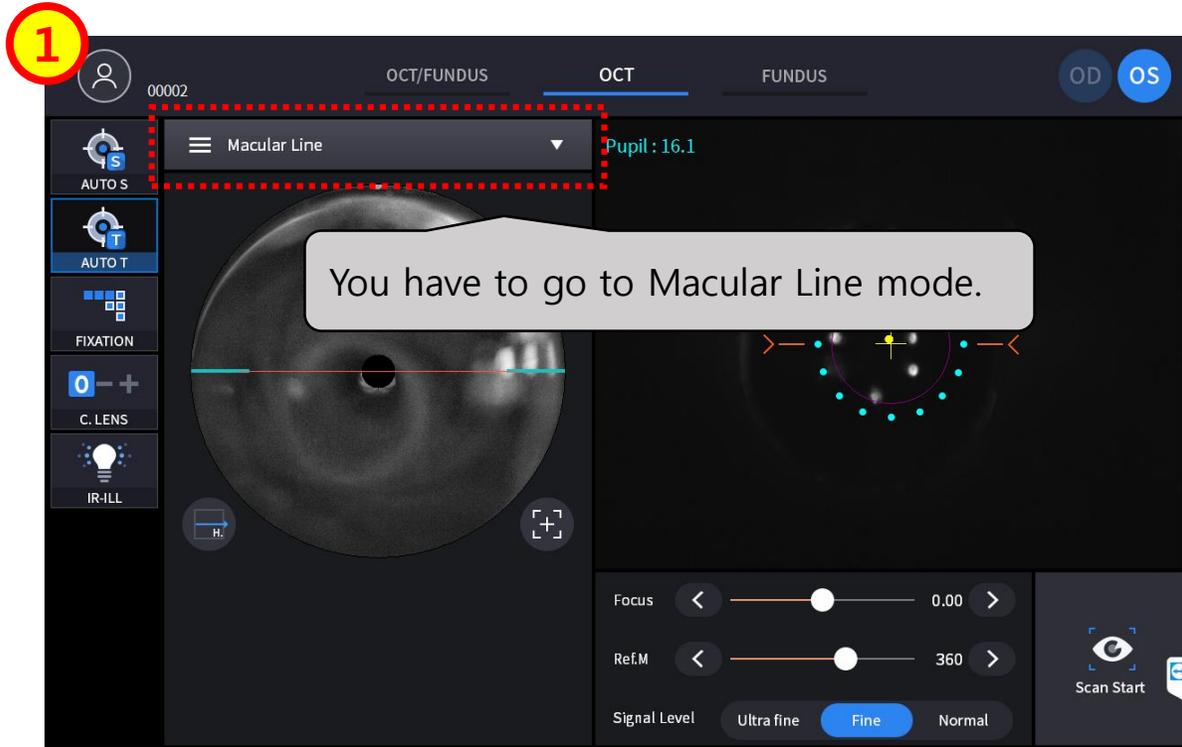
The contents of the `UserConfig.ini` file are shown in a text editor window. The file contains the following configuration:

```
UserConfig.ini - 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=1
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
showFixationPosition=1
showAimingDot=1
octNFundusMeasType=1
enable3DWide=0
axialLengthAuto=1
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
defaultAnterior=1
```

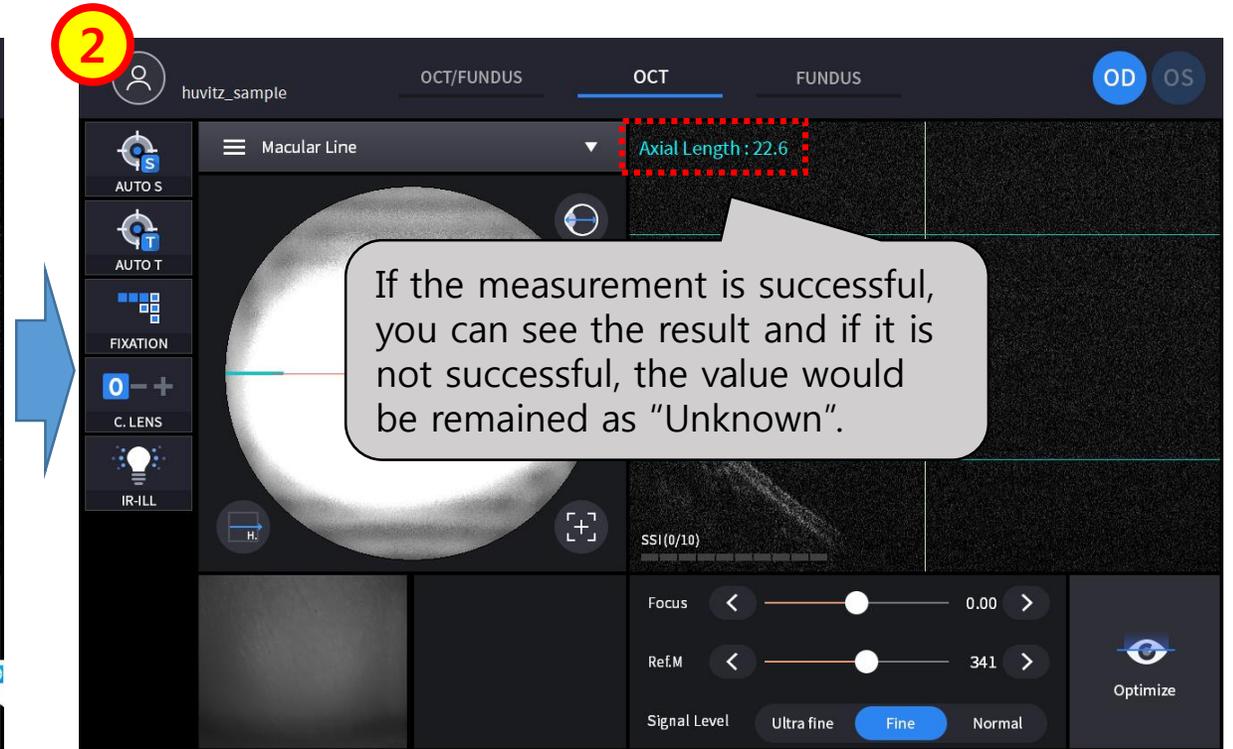
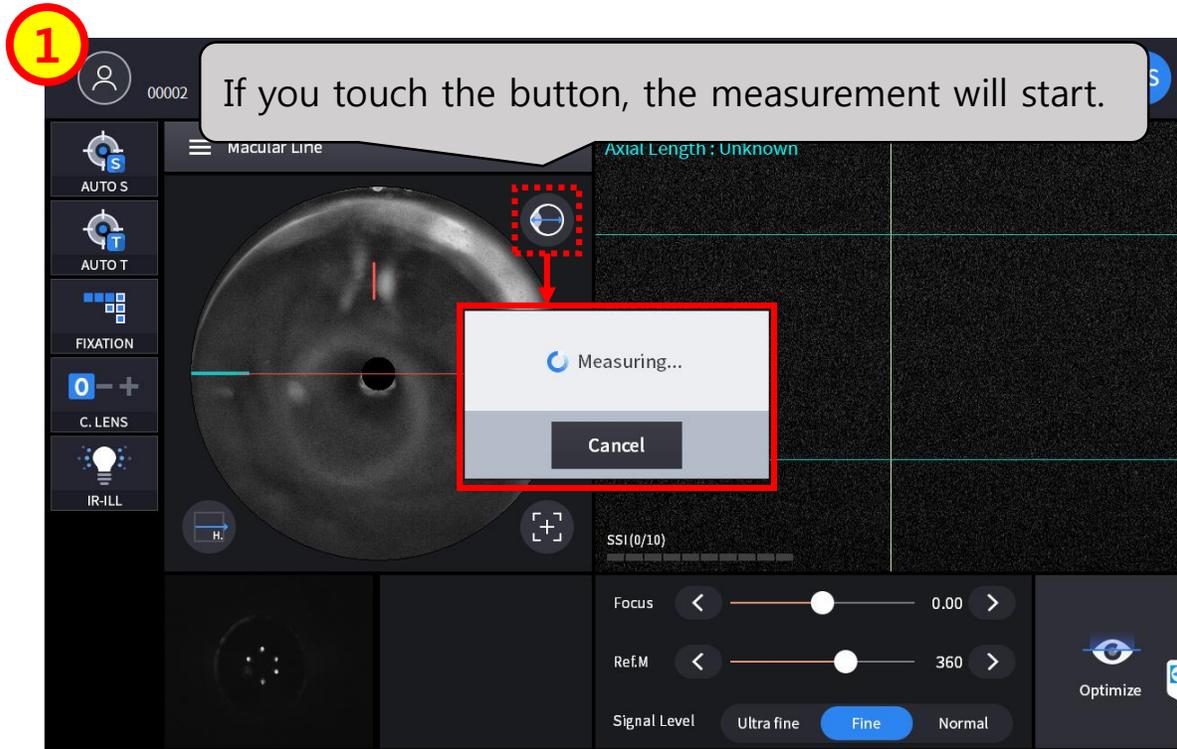
A red dashed box highlights the `axialLengthAuto=1` line. A callout bubble points to it with the text "Set 'axialLengthAuto' option to '1'".

이름	수정한 날짜	유형
UserConfig.ini	2018-08-16 오전...	구성 파일
ViewAnalysis.cpp	2018-07-24 오후...	C++ 소스
ViewAnalysis.h	2018-07-13 오후...	C/C++ 헤더
ViewConfirm.cpp	2018-08-16 오전...	C++ 소스
ViewConfirm.h	2018-08-16 오전...	C/C++ 헤더
ViewExam.cpp	2018-08-13 오후...	C++ 소스
ViewExam.h	2018-08-10 오후...	C/C++ 헤더
ViewMeasure.cpp	2018-08-14 오후...	C++ 소스
ViewMeasure.h	2018-07-31 오후...	C/C++ 헤더
ViewPatient.cpp	2018-08-10 오후...	C++ 소스
ViewPatient.h	2018-08-10 오후...	C/C++ 헤더
ViewReport.cpp	2018-08-10 오후...	C++ 소스
ViewReport.h	2018-08-06 오후...	C/C++ 헤더
WndAnalysisFundus.cpp	2018-08-09 오후...	C++ 소스

2-1. Run Hoct-1 program and go to Macular Line measurement mode.

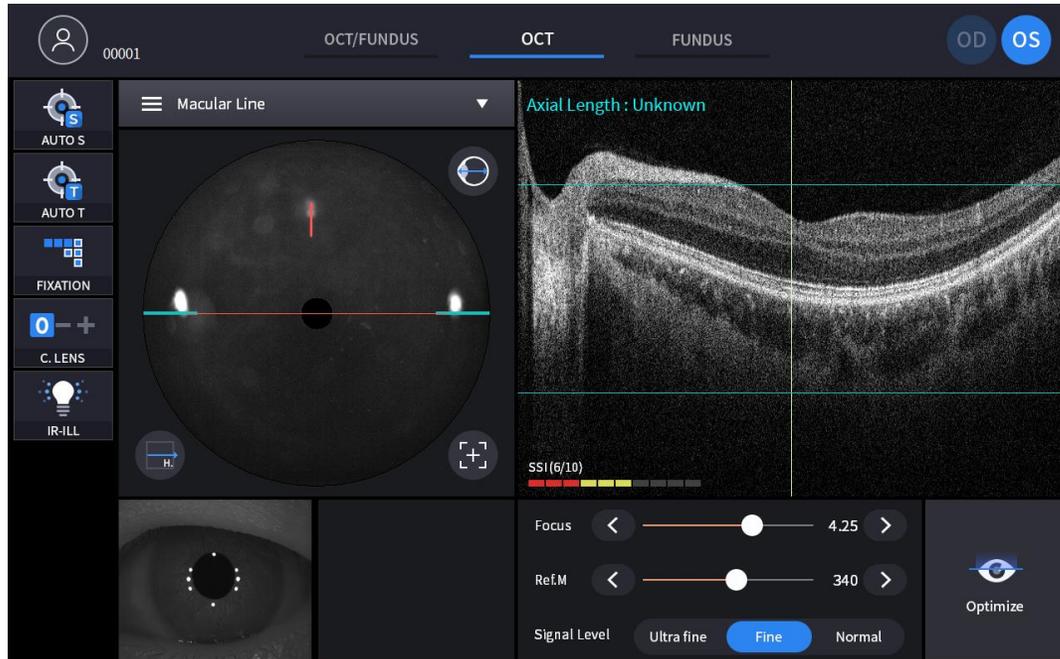


2-2. Take a measurement, and check the result.

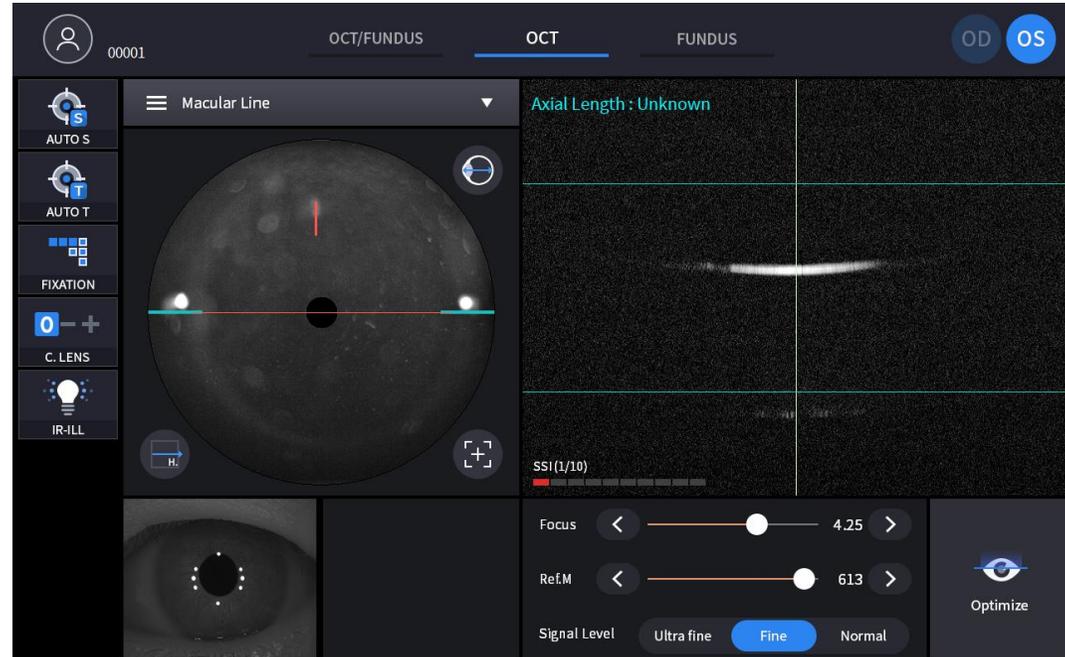


2-3. Detail steps for measurement.

Step 1. Find the posterior point and check the position of reference mirror.



Step 2. Find the anterior point and check the position of reference mirror.



Step 3. Convert the difference between two points that are measured from Step 1 and Step 2 to real distance (mm).

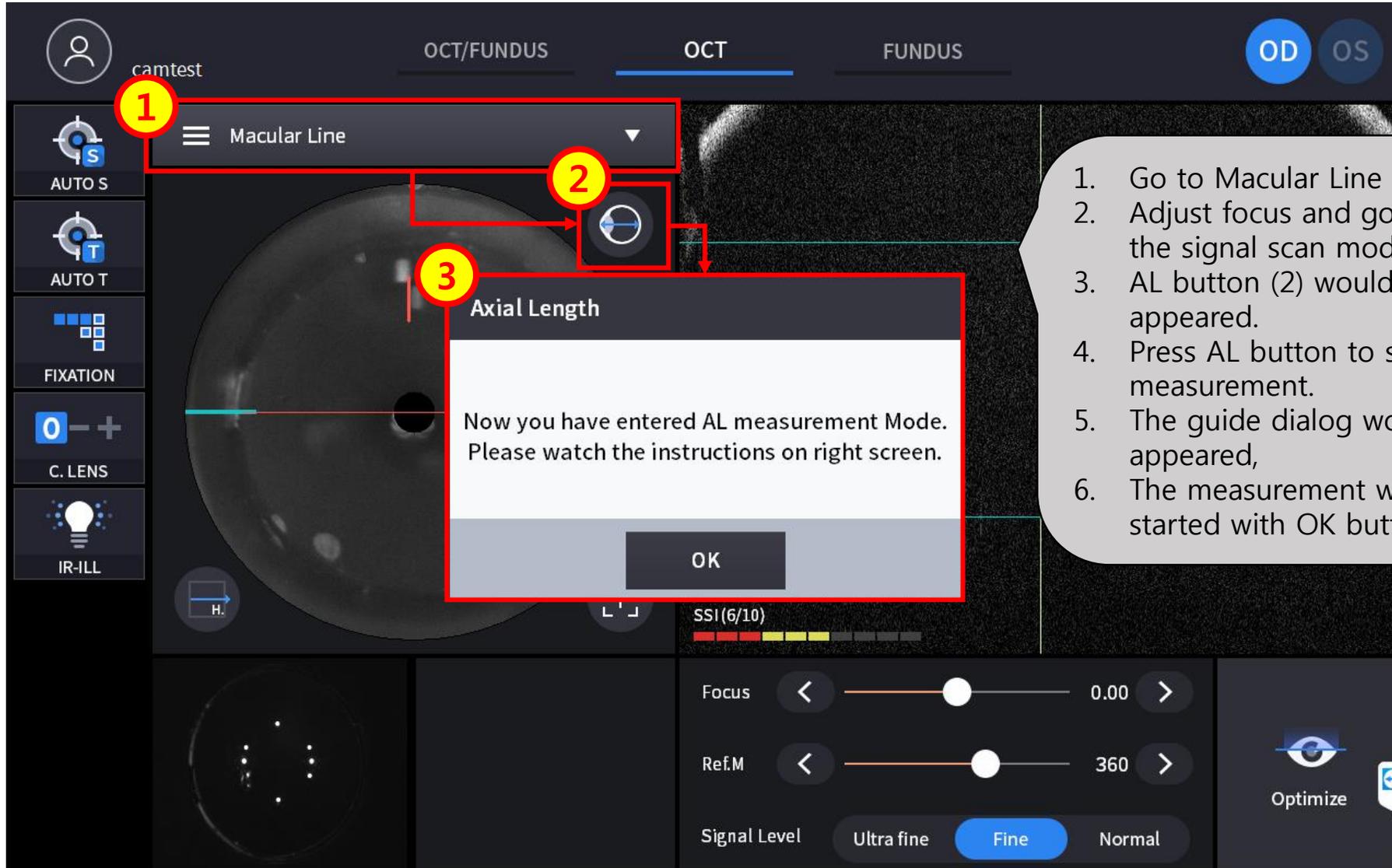
3. Run on semi-auto measurement mode

The image shows a Windows file explorer window with the 'UserConfig.ini' file selected. A callout bubble points to this file with the text 'Open UserConfig.ini file'. The file is opened in a text editor, showing the following configuration:

```
UserConfig.ini - 메모장
파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)
idNumberLen=5
dateFormat=0
[Measure]
startMeasMode=1
autoTracking=1
autoShoot=0
autoScan=1
autoSPupil=1
fundusPreset=0
externFixation=1
fundusImageRange=0
smallPupilGuide=1
pupilSizeText=1
showFixationPosition=1
showAimingDot=1
octNFFundusMeasType=1
enable3DWide=0
axialLengthAuto=0
[ScanPattern]
startScanDomain=0
defaultMacular=4
defaultDisc=2
```

A second callout bubble points to the 'axialLengthAuto=0' line with the text 'Set "axialLengthAuto" option to "0"'. The line is highlighted with a red dashed box.

3-1. Go to Macular Line mode and start with AL button.



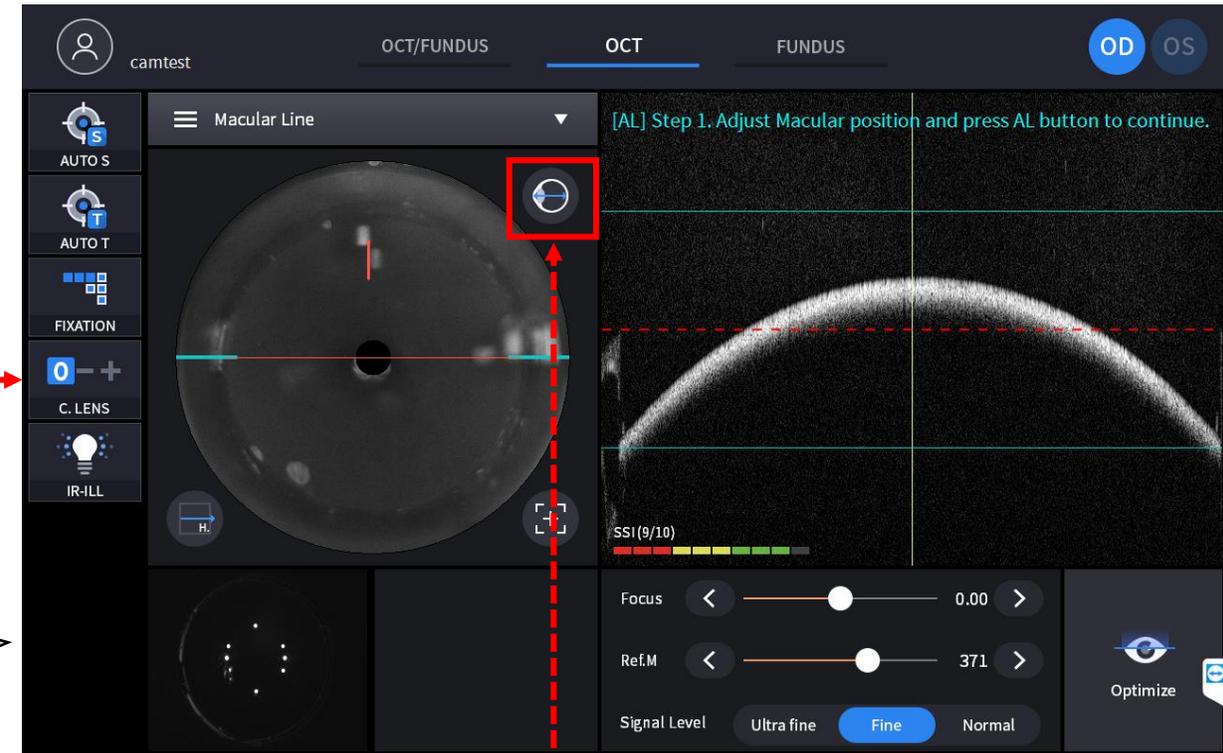
1. Go to Macular Line mode.
2. Adjust focus and go in to the signal scan mode.
3. AL button (2) would be appeared.
4. Press AL button to start the measurement.
5. The guide dialog would be appeared,
6. The measurement would be started with OK button.

3-2. The first step is finding macular position.



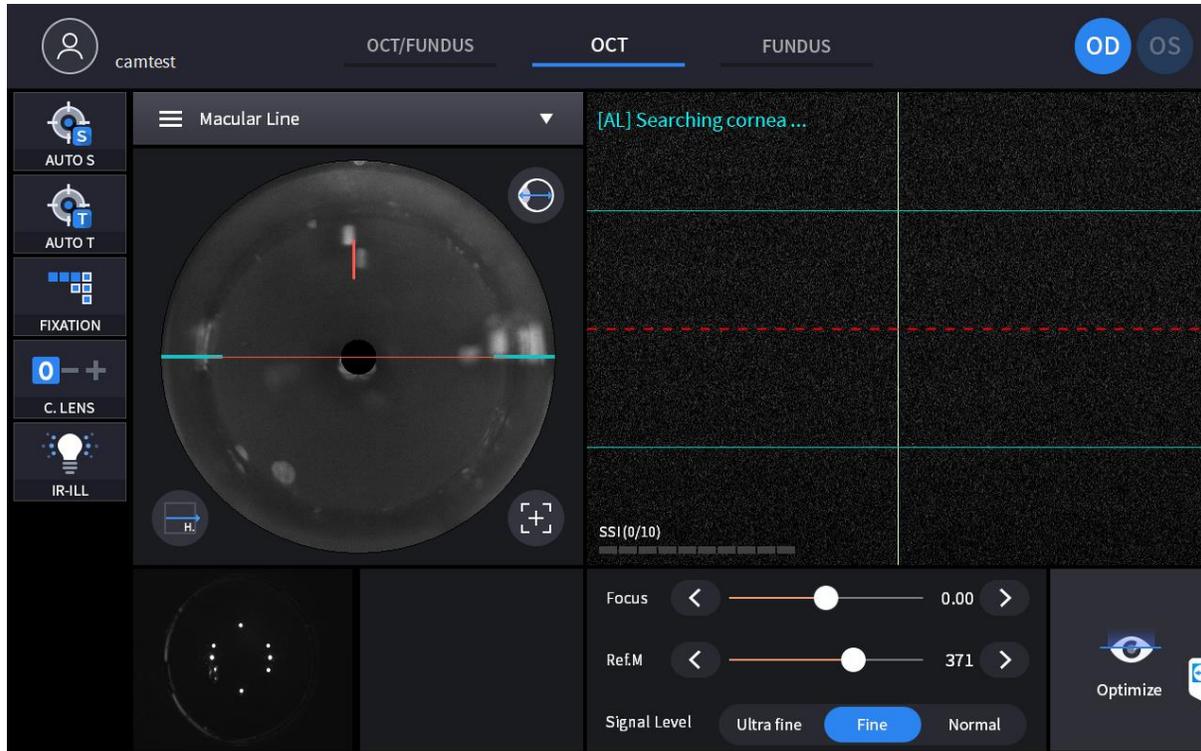
Macular searching process starts automatically.

After auto searching, you can adjust more specific position. (Move reference mirror and set your RPE signal on the center of the screen – you can refer to dashed red line on the screen,)



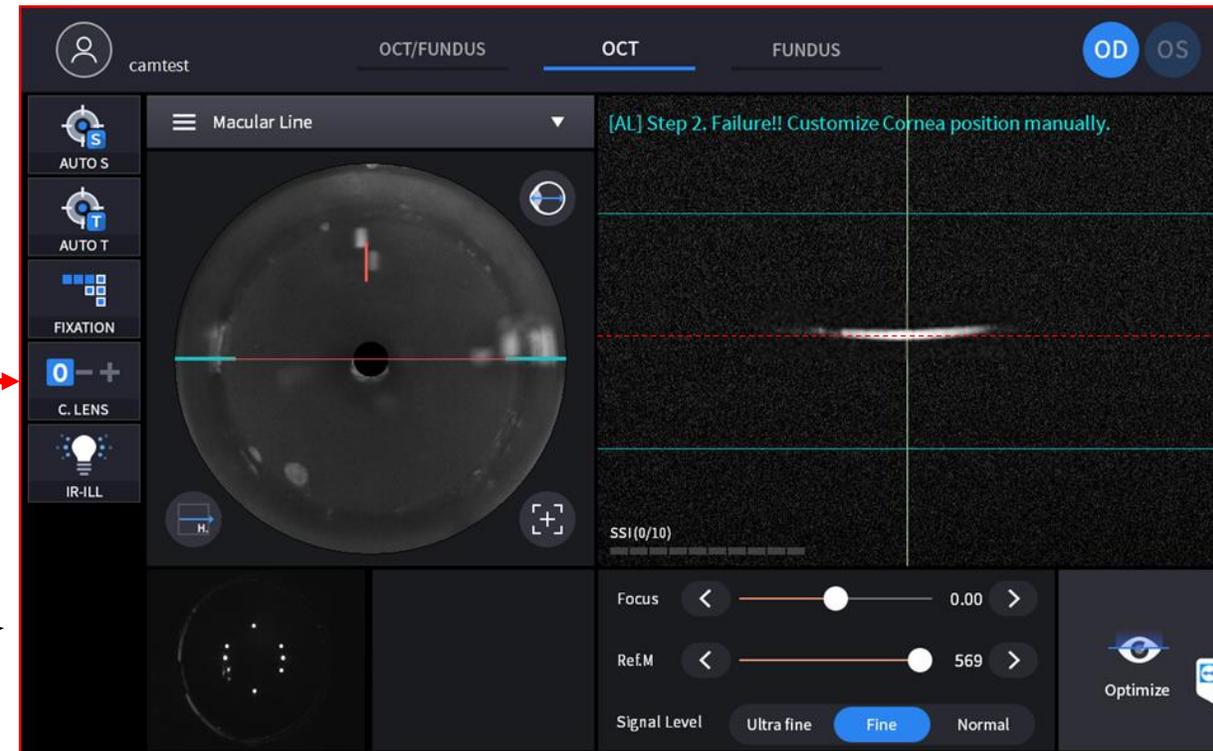
And press AL button to go to next step

3-3. The second step is finding cornea position.



Cornea searching process also starts automatically.

After auto searching, you can adjust more specific position. (Move reference mirror and set your Cornea signal on the center of the screen – you can refer to dashed red line on the screen,)



3-4. Check the result.

The image displays two screenshots of an OCT/FUNDUS device interface. The top screenshot shows a 'Failure!!' message: "[AL] Step 2. Failure!! Customize Cornea position manually." A red box highlights a circular icon on the Macular Line, with a red arrow pointing to a dialog box that says "Axial Length: The measurement is finished. Axial length is 18.3 mm." and an "OK" button. A speech bubble points to the Macular Line icon with the text: "After setting cornea position, you can check the result." The bottom screenshot shows the same interface with the "Macular Line" icon highlighted in red, and the text "Axial Length : 18.3" displayed in the top right corner of the OCT image area. The bottom right corner of the interface includes controls for Focus (0.00), Ref.M (360), Signal Level (Ultra fine, Fine, Normal), and an Optimize button.

4. After Measurement, check the result at the analysis screen and report screen.

00004 OD OU OS OD : 18.07.16 / 19:12:36 (SSI : 8) Macular Line - 9.0mm (H)

MEASURE IR Fundus

REPORT

EXPORT

LEVEL ADJUST

THICKNESS

COMMENT

Summary Parameter

Axial Length	22.60
--------------	-------

T-Map Chart Graph Info

Name: Gender: M Exam Date: 2018-07-16
 ID: 00004 Race: Exam Time: 19-12 PM
 DOB: 2018-07-11 Physician: Operator:

Macular Line - 9.0mm / A1024 (H) [OD]

SSI: 8/10

Thickness Graph

Summary Parameter

Axial Length	22.60
--------------	-------

Comments Signature Device / SW Info.