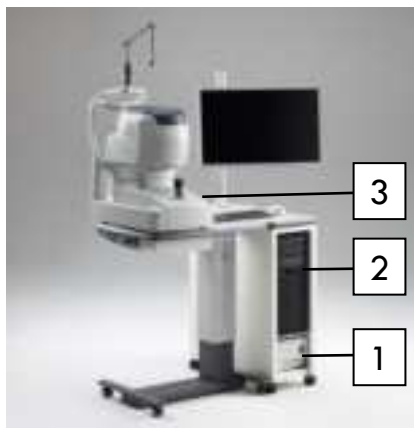## ◆ How to start the system

1. Turn on the isolation transformer.

2. Turn on the computer.

3. Turn on the power of main body RS-1.

4. Double-click the "NAVIS-EX" icon on the Windows desktop.
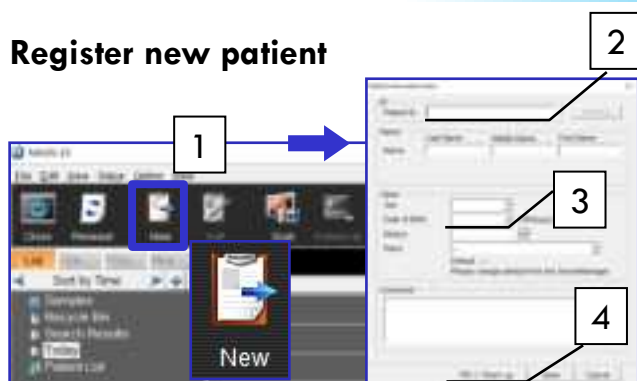
> ≫ When setting a login path ...
>
> Login Name ： 「RS-User」
> Password ： 「user」

5. Click the Login button to start NAVIS-EX.
   The Patient List screen appears.

◆ Register new patient

1. Click the "New" button in the toolbar.

2. Enter 「Patient ID」.

3. Enter 「Sex」, 「Date of Birth」 and 「Race」.
   ≫ Necessary for OCT NDB analysis
   When using NDB for patients under 20 years old, it is
   recommended to enter 20 years old and write the
   correct date in the comment field.

4. Click "RS-1 Start up".

◆ Auto alignment >> Capture
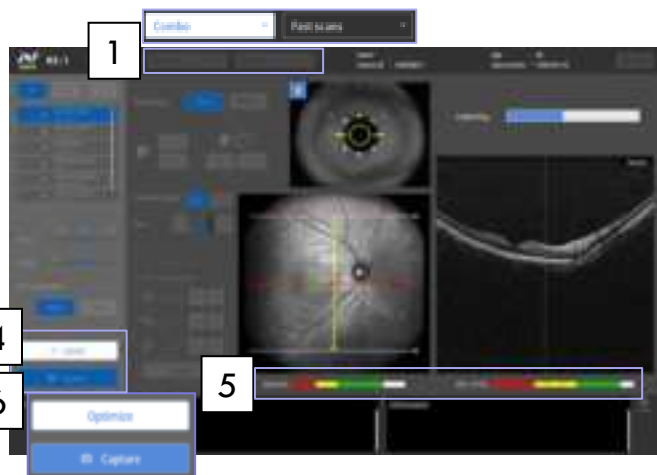
1. Select a combo title.

2. Place on the chin and forehead rest.

3. Adjust the chinrest height.

4. Click "Optimize" button.

5. Check the scan position, "SQI" and "SSI".
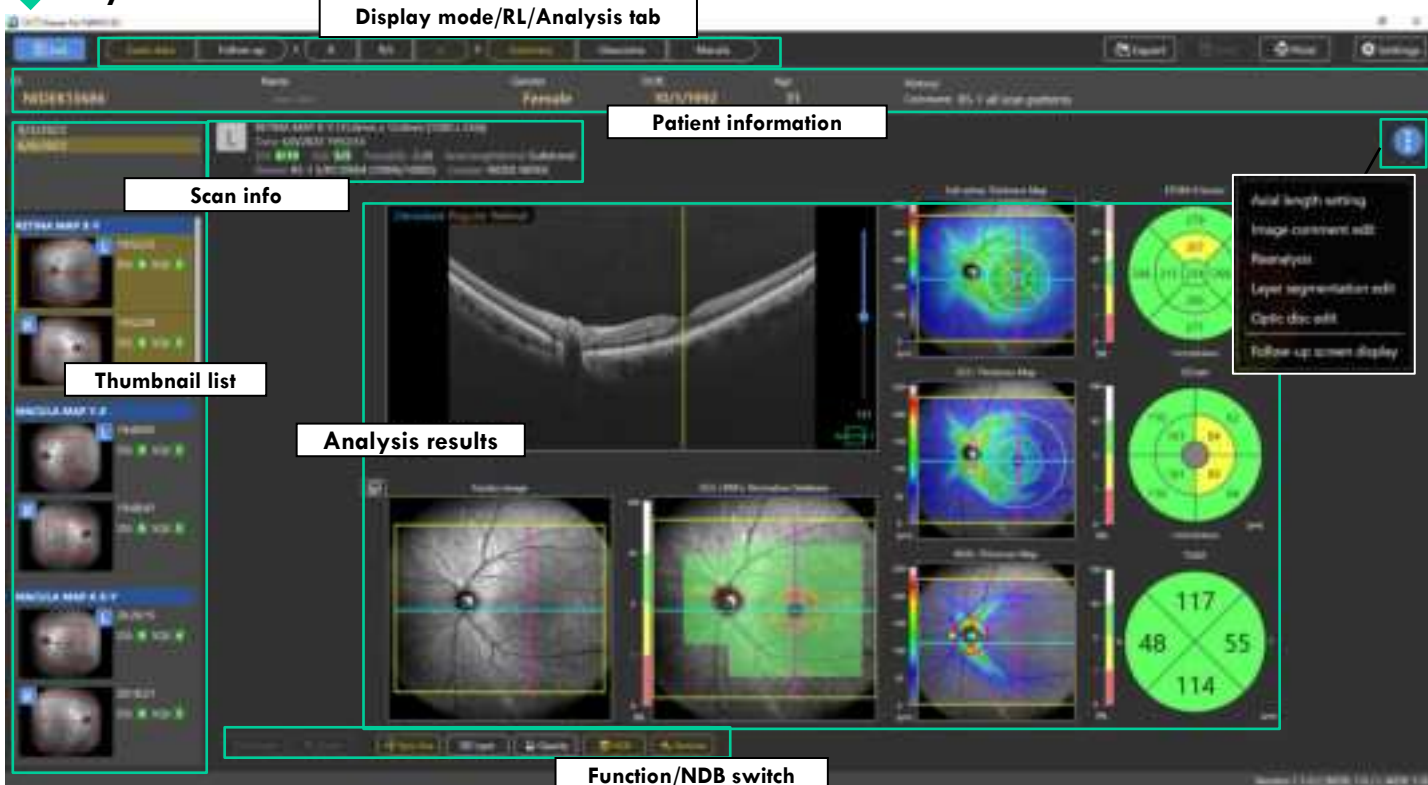
6. Press "Capture" button.

[Point]

• Change the scan position and parameters if necessary.

• Change to Manual alignment if necessary and operate
  with the joystick.

◆ Confirmation & Save
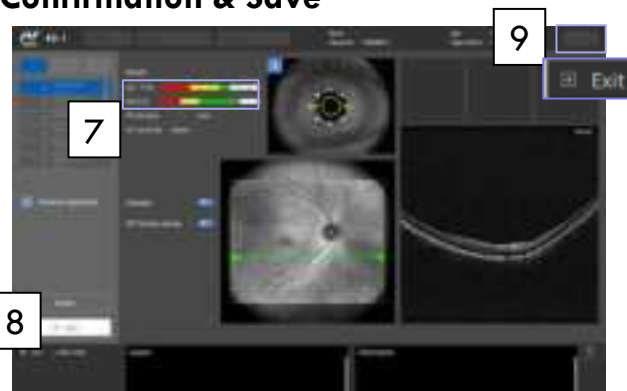
7. Check scan position, "SQI", "SSI" and all
   parameters.

8. Click "Save" button.
   Click "Retake" button to redo the scan.

9. Click "Exit" to OCT Viewer.

OCT Viewer Easy Stary-Up Guide

NIDEK

◆ Layout

- Display mode/RL/Analysis tab
- Patient information
- Scan info
- Thumbnail list
- Analysis results
- Function/NDB switch

(Menu items shown: Axial length setting / Image comment edit / Reanalysis / Layer segmentation edit / Optic disc edit / Follow-up screen display)

◆ OCT Analysis Correction Parameter & Long Axial Length Normative Database

When capturing "MACULA LINE", it obtains the distance between the cornea and the retina (axial length) based on the results of the OCT image capture as scan width correction parameter.

Z-pos

|	NDB	L-NDB
Axial Length	Less than 26 mm	26 mm to less than 29 mm
Age	20 to less than 80 years	20 to less than 60 years
Race	Asian, Caucasian	Asian
Scan pattern	Macula map, Disc map, Retina map	

⚠️ **[CAUTION]**

The OCT Analysis Correction Parameter value is different from the actual measured value of the axial length. Do not use it for IOL diopter calculation.

[Point]

When the value is 26.0 mm or longer, "L-NDB" appears, indicating that the Long Axial Length Normative Database will be applied automatically on OCT viewer.

◆ Structural Normality Map

The structural normality map is an image showing "**uncertainty**" in each layer segmentation (Displayed from the Macula tab of the Retina map, Macula map, and Macula map A)
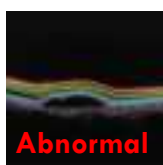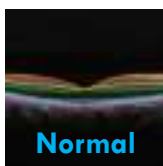
Normal

Abnormal

[Point]

Calculate the degree of structural abnormalities

→ Indications of structural changes in retina compared to normal, detection of **early signs** of retinal changes
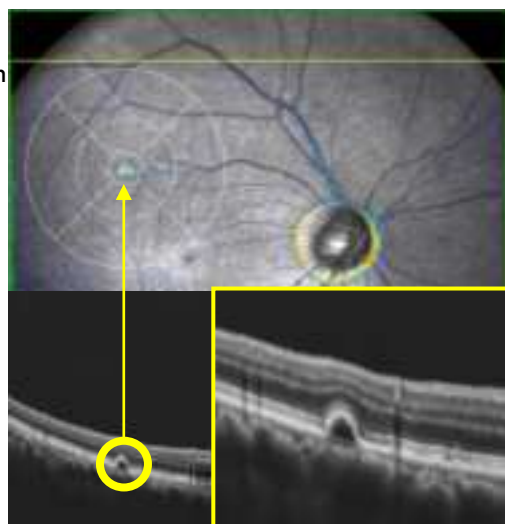
## ◆ Baseline image registration

1. Click exam data that does not belong to any Follow-up group and click "Follow-up" of the analysis screen.

2. Click "Create a new group", enter follow-up group name and click "Save".
   Image is registered as baseline.

[Note]

- Baseline image also can be registered from NAVIS-EX.

- Baseline image also can be registered from Capture software.

◆ Follow-up image capture
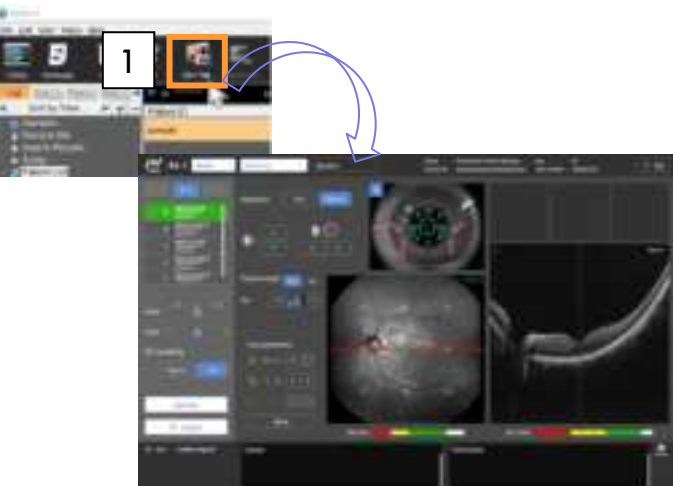
1. After selecting patient data and clicking "RS-1 Start-up", the screen automatically switches to Follow-up mode.*

2. Perform the same steps from Steps 2 to 6 in "Auto alignment >> Capture" on page 1.

* "Prioritize follow-up" is set to [On] in default in user settings.

[Point]

- Chinrest adjustment is not required as the chinrest height automatically stored for future visits.

- The image capture patterns are displayed in a list according to the baseline.

- The pattern in capturing is displayed in green.

◆ Follow-up registration

[Registration from follow-up registration window]

1. Click exam data that does not belong to any Follow-up group and click "Follow-up".

2. Click "Register to an existing group" and click "Save".
   The image is registered in the selected follow-up group.


[Select images to display in follow-up group]

1. Click [icon].

2. Select or deselect the data to display in follow-up analysis screen and click "Save".

◆ Anterior segment OCT image capture (optional, manual alignment only)

Before measurement

1. Switch to anterior segment OCT mode to [Cornea].

2. Attach the anterior segment OCT image capture adapter.

3. Attach the forehead rest adapter to the forehead rest.
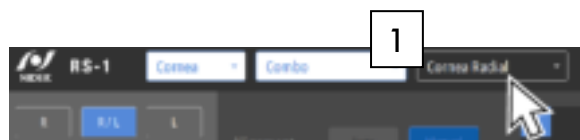
4. Click [OK] in the message dialog box.
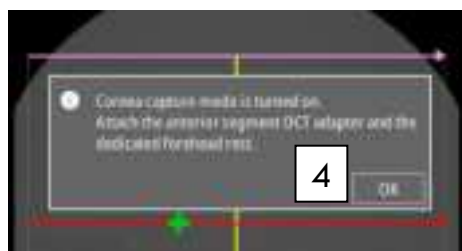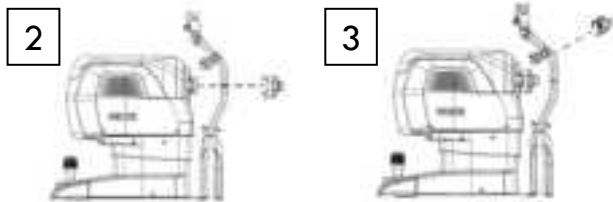
[Point]

- Attach the adapter with the flat side (a) up and the protruding part (b) down.


◆ CORNEA RADIAL/ACA LINE

1. Click [Cornea Radial] or [ACA LINE].

2. Place on the chin and forehead rest.

3. Adjust the chinrest height.

4. Adjust and align the position with the joystick.

5. Click "Optimize" button.

6. Check the scan position and "SSI".

7. Press "Capture" button.

[Tip for CORNEA RADIAL capture]

- Roll the mouse wheel to align the upper part of the cornea (cornea surface) with the upper line (a).

- Align the vertical corneal reflection (b) (center of the cornea) with the center line (c).
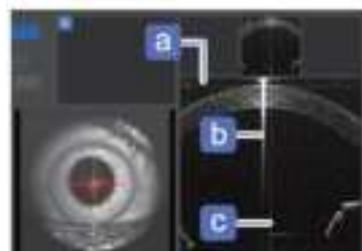
[Tip for ACA LINE capture]

- Adjust the capture position so that the anterior chamber angle (a) is displayed near the center of the screen.