

LeSONO



LeSONO Wireless Ultrasound – Quick Guide



General Functions:

- 【Boot up and connection】 - Connect the probe with QR code
- 【Scan】 - B, C, M, PW and PD modes
- 【Annotate, measure and save】 - Annotation, Measurement and Save files
- 【Dual screen】 - Export and import the images to compare it
- 【DICOM support】 - Download worklist and upload DICOM file
- 【Run App on MAC M-series device】

【Boot up and connection】



Power & Freeze Button

Turn on: Long press the power button until the light turns blue.

Turn off: Long press the power button until the light turns off.

Power Button Indicator Light



Lights Off

The device is powered off.



Flashing Blue Light

System ready.



Steady Blue Light

System connected.

Battery Indicator Light

4 lights indicate full charge, 1 light indicates low battery



Power & Freeze Button

Turn on: Long press the power button until the light turns purple.

Turn off: Long press the power button until the light turns off.

Power Button Indicator Light



Lights Off

The device is powered off.



Purple Light

System ready.



White Light

System connected.

Battery Indicator Light

4 lights indicate full charge, 1 light indicates low battery

Step 1

Turn on: Long press the power button for 3 seconds

Turn off: Long press the power button for 3 seconds

Step 2



Blue light
<Charging>



Lights out
<Power OFF>



Purple light
<Power ON>
System ready.



White light
<Power ON>
System connected.

Step 1

Turn on the probe (Purple light), tapping “Scanning QR code” icon on the upper right corner

Step 2

Scan QR code on the probe

Step 3

Confirm the SSID and tap “Join”

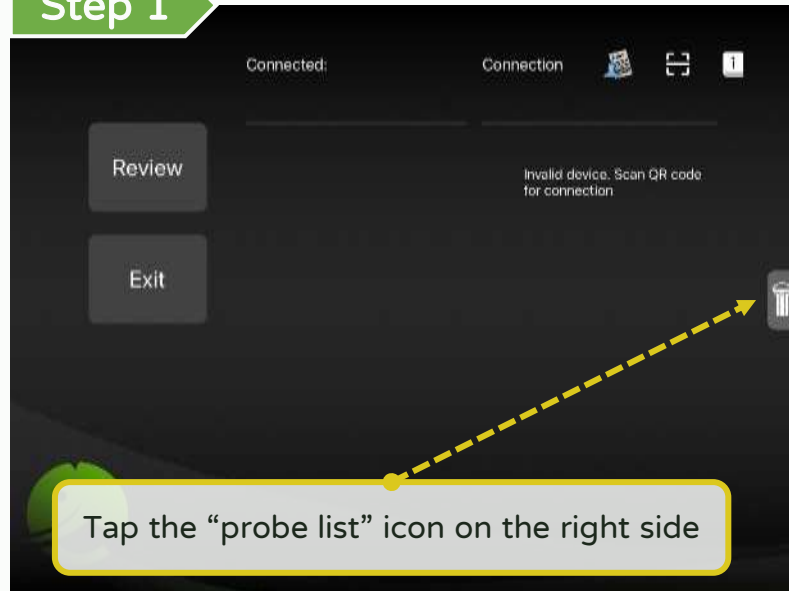
Step 5

Enter the scan page

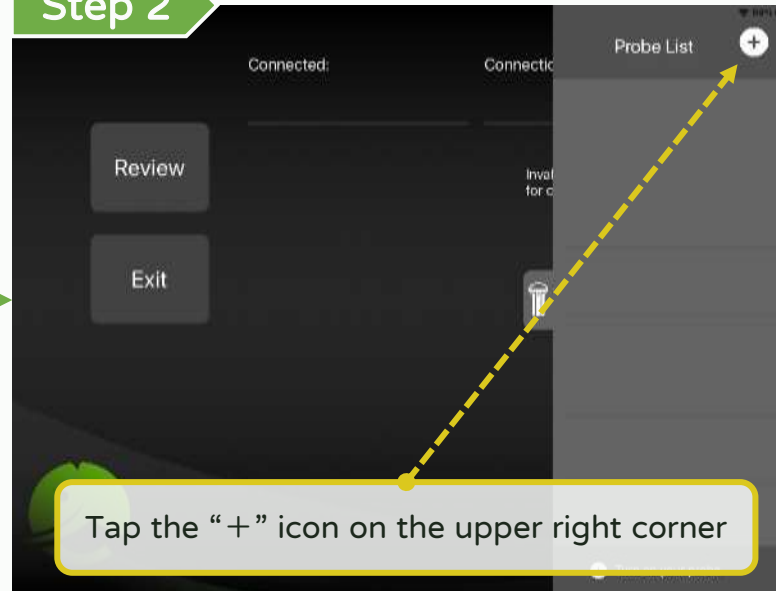
Step 4

Wait for finishing the connection

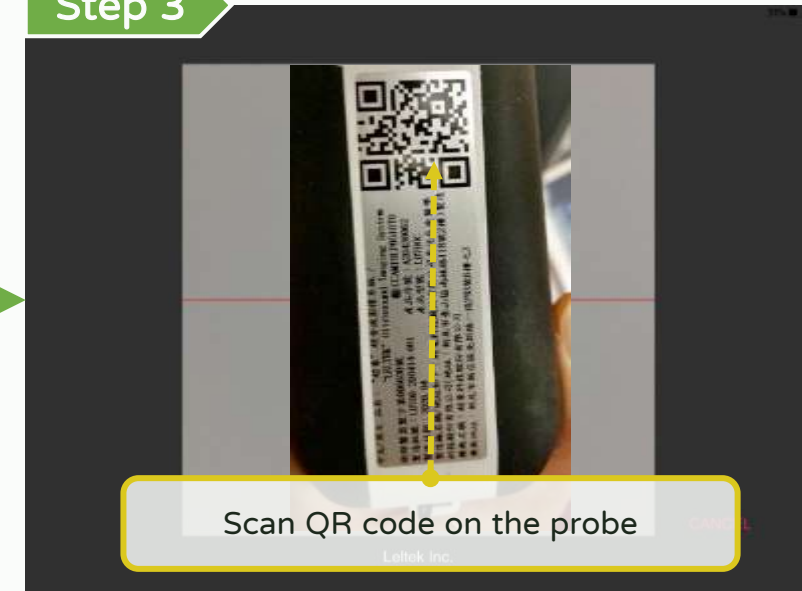
Step 1



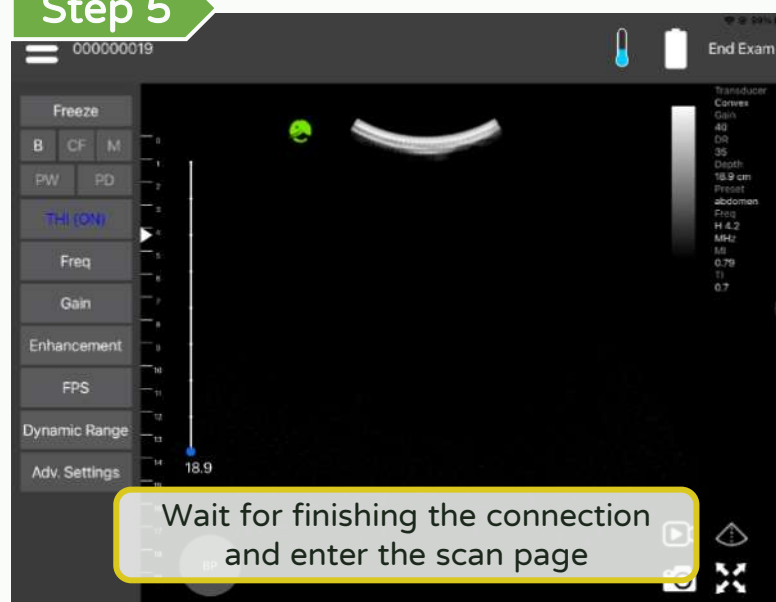
Step 2



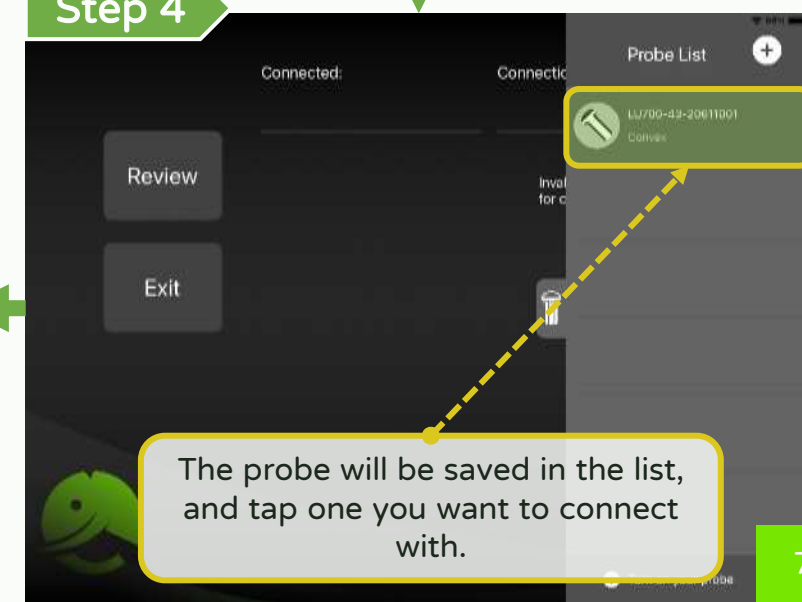
Step 3



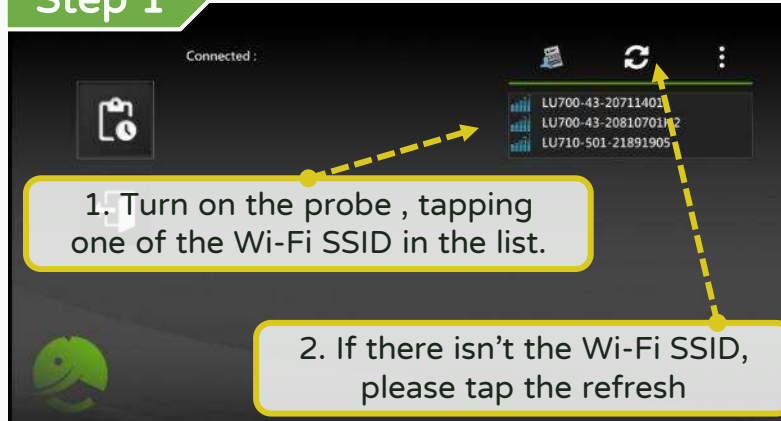
Step 5



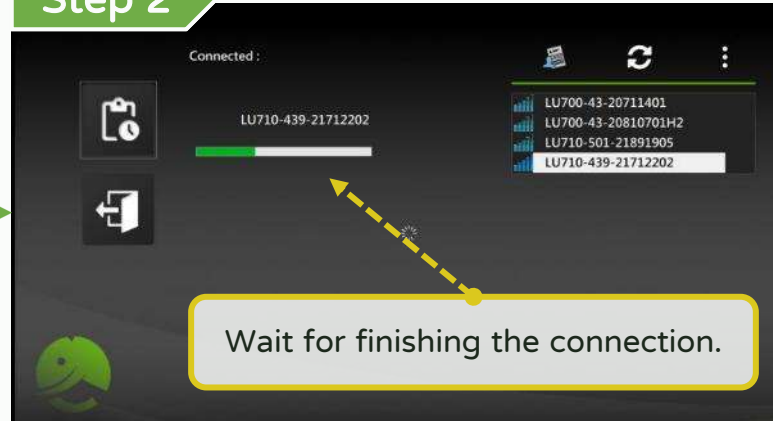
Step 4



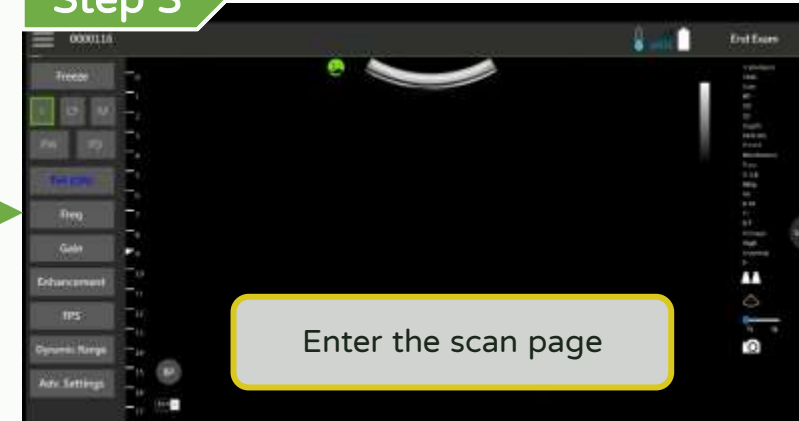
Step 1



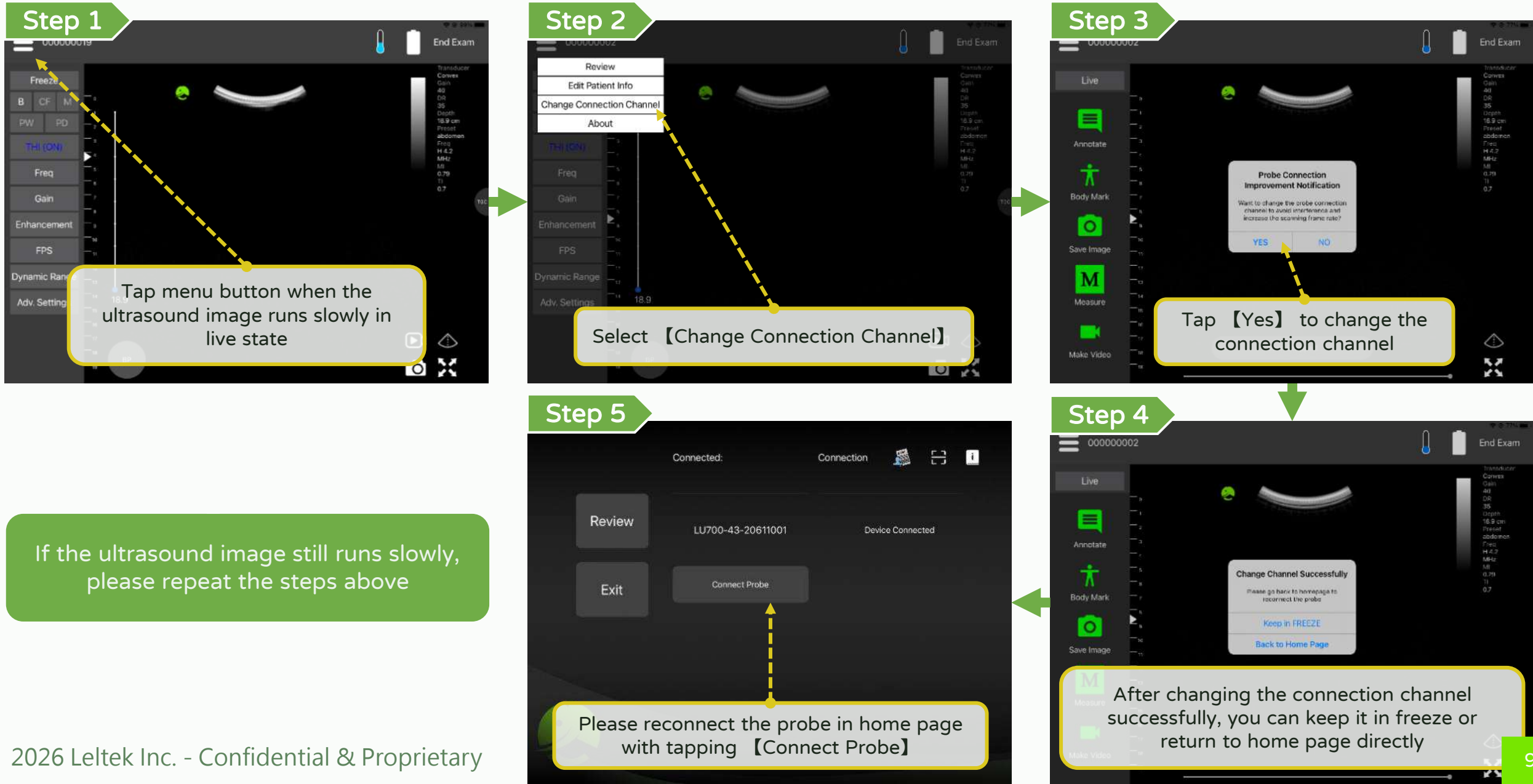
Step 2

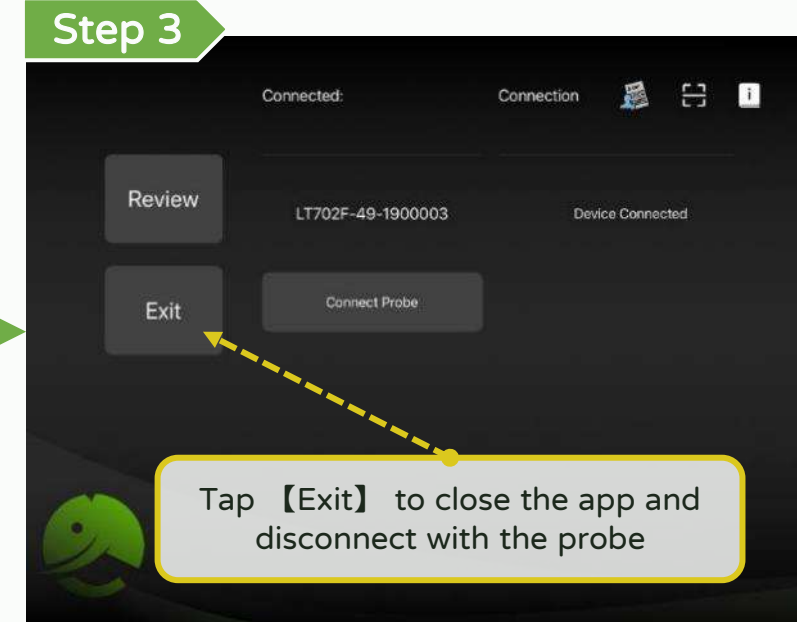
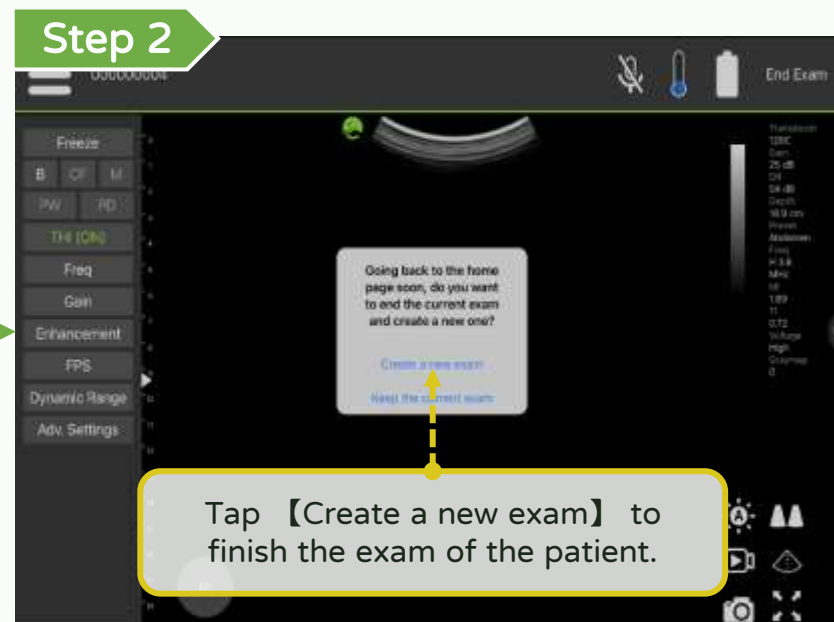
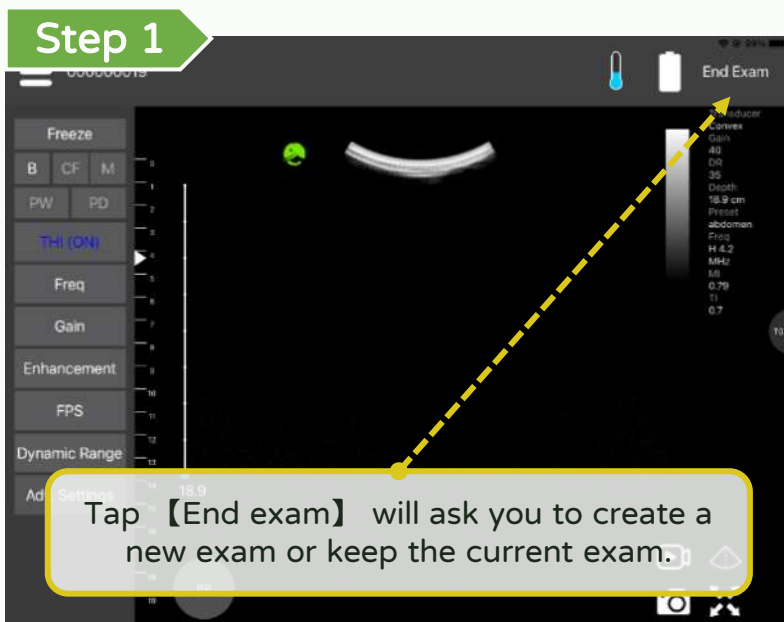


Step 3

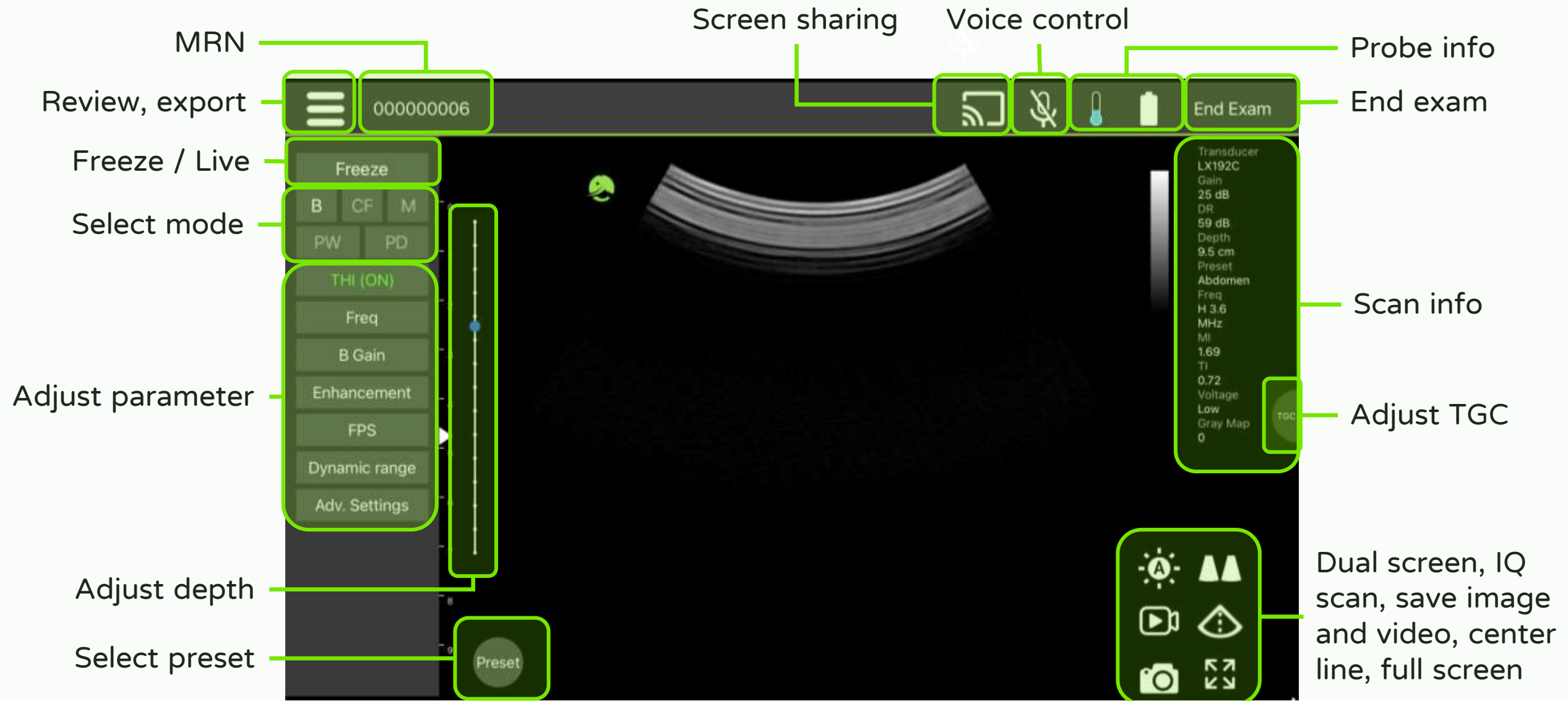


Boot up and connection - Improve the connection quality **LEL TEK**



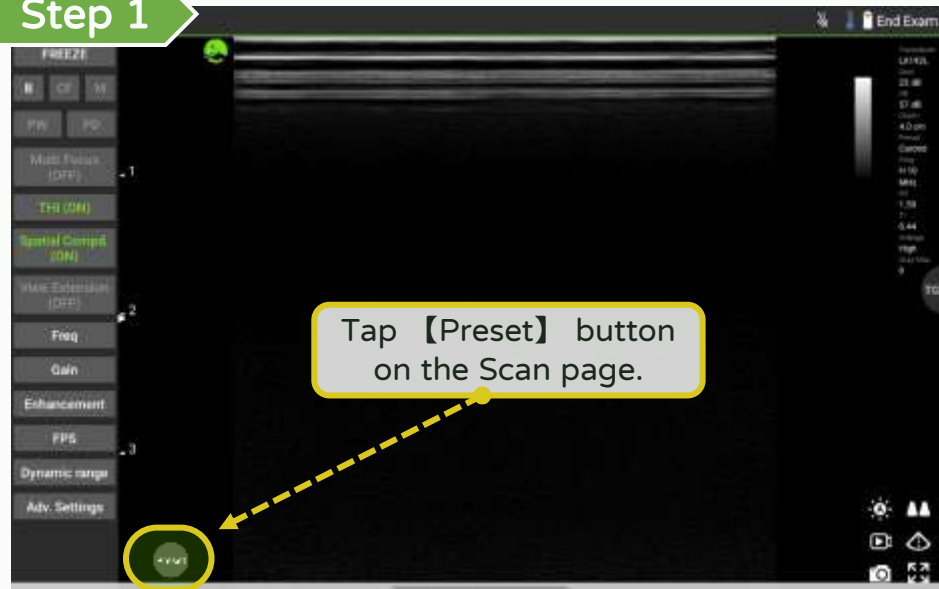


【Scan】

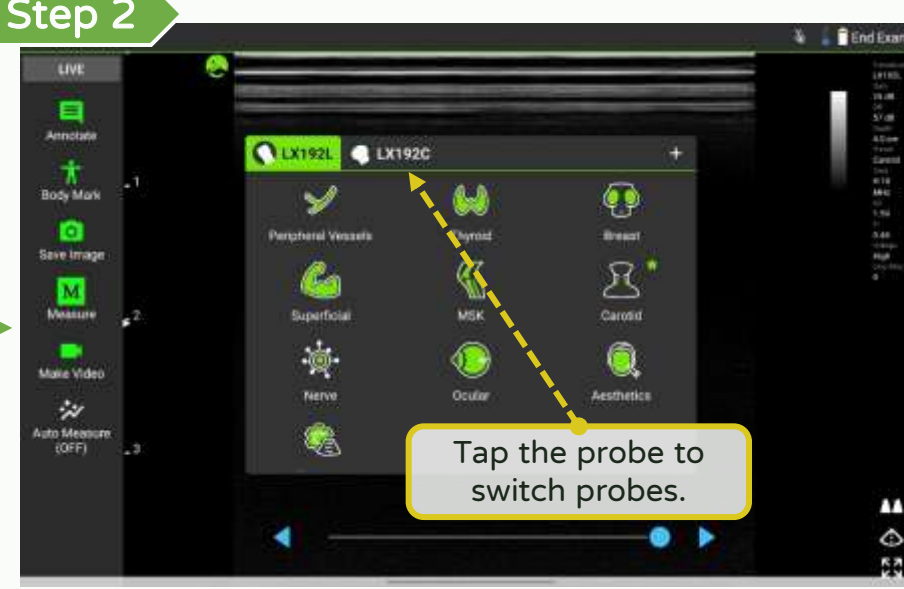


Functions	Hot Key
Freeze	Space Key
Live	Space Key
B mode	B
CF mode	C
M mode	M
PW mode	W
PD mode	D
Save image	S
Adjust gain	1
Adjust freq.	2
Control seek bar	↑ 、 ← : Decrease ↓ 、 → : Increase

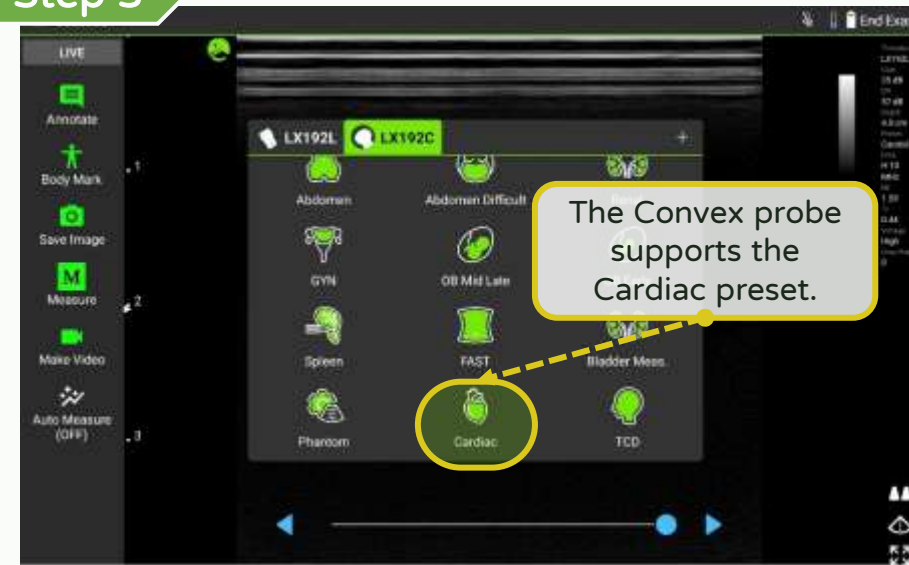
Step 1

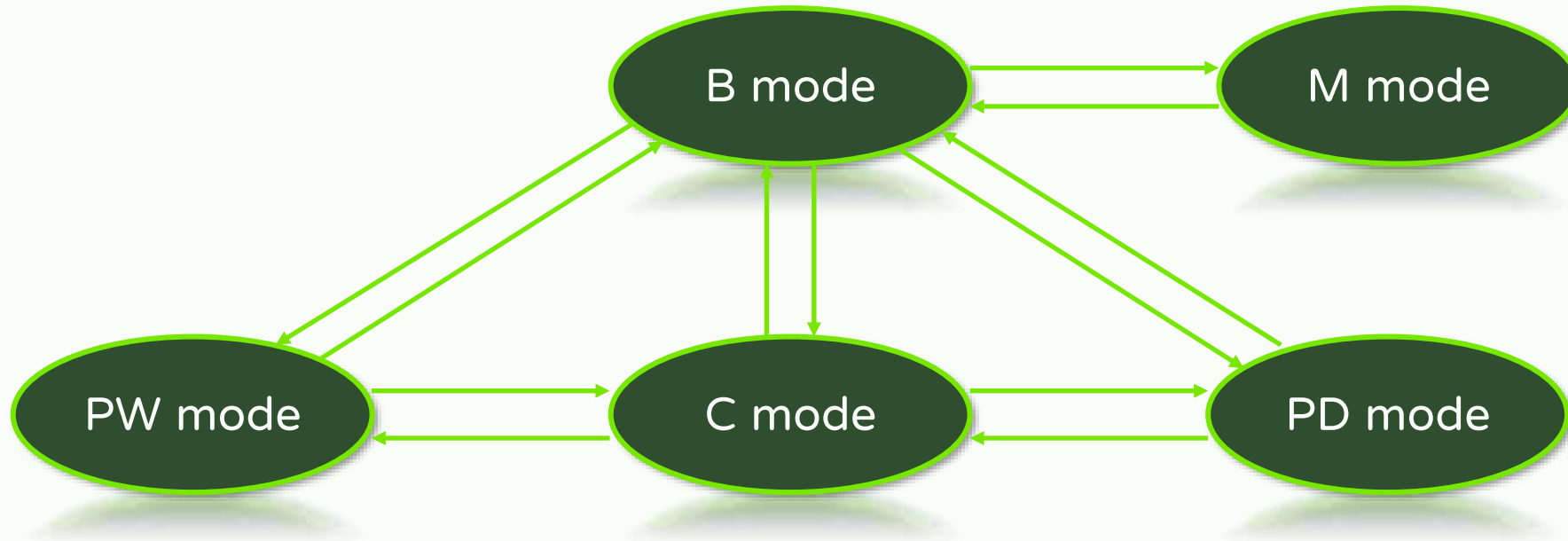


Step 2



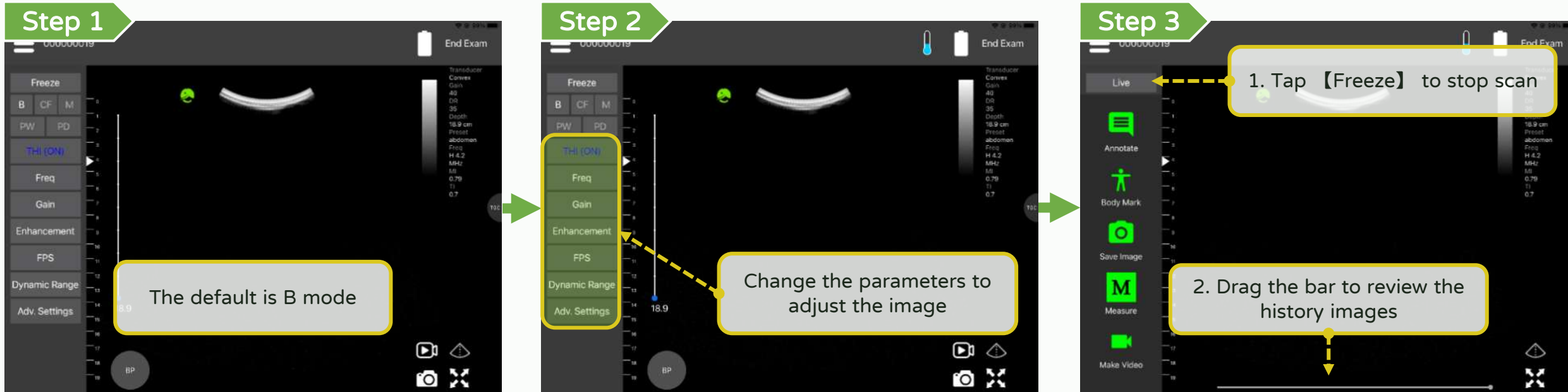
Step 3





“The orientation of arrow”: It can be switched directly to the mode

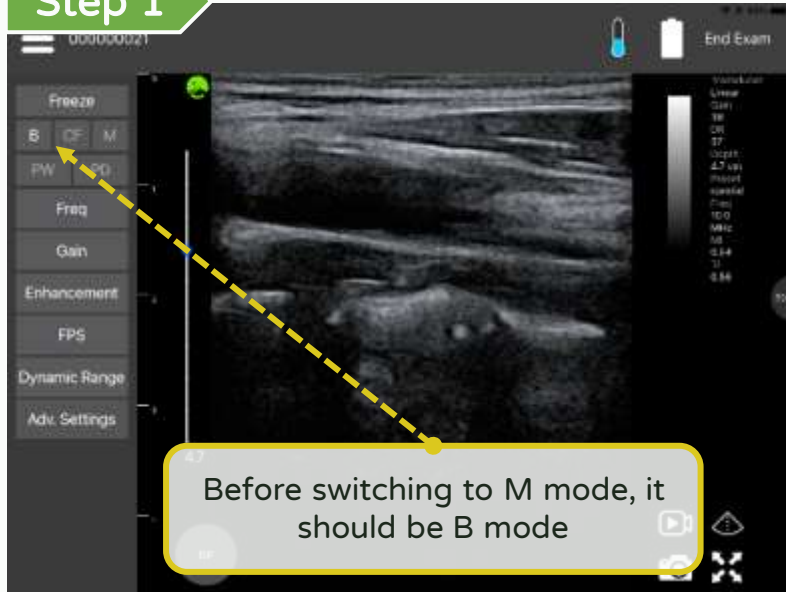
Scan - B (Brightness) mode



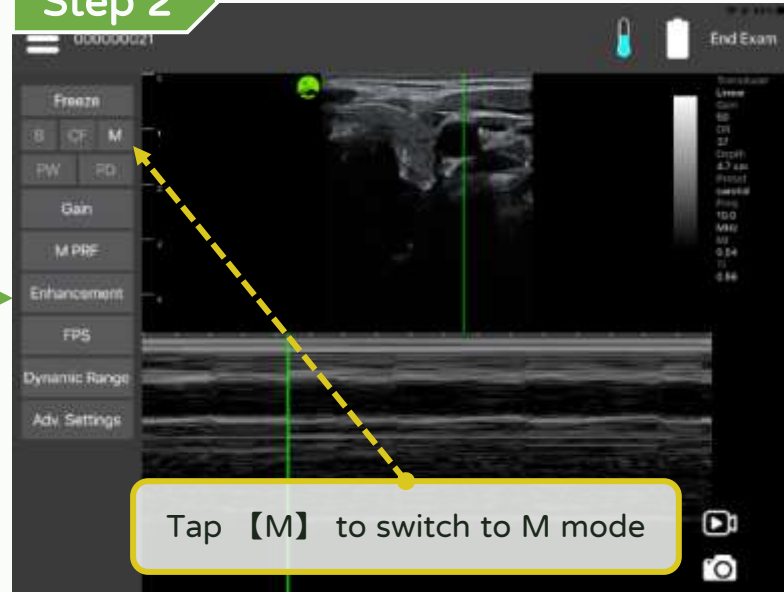
There are 8 sliders to adjust TGC (Android/iOS)
There are 12 sliders to adjust TGC (Windows)

Scan - M (Motion) mode

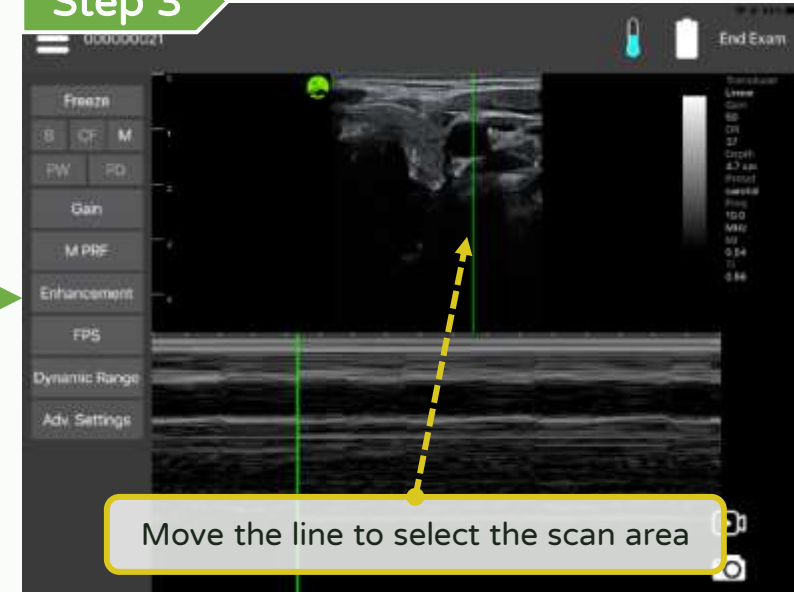
Step 1



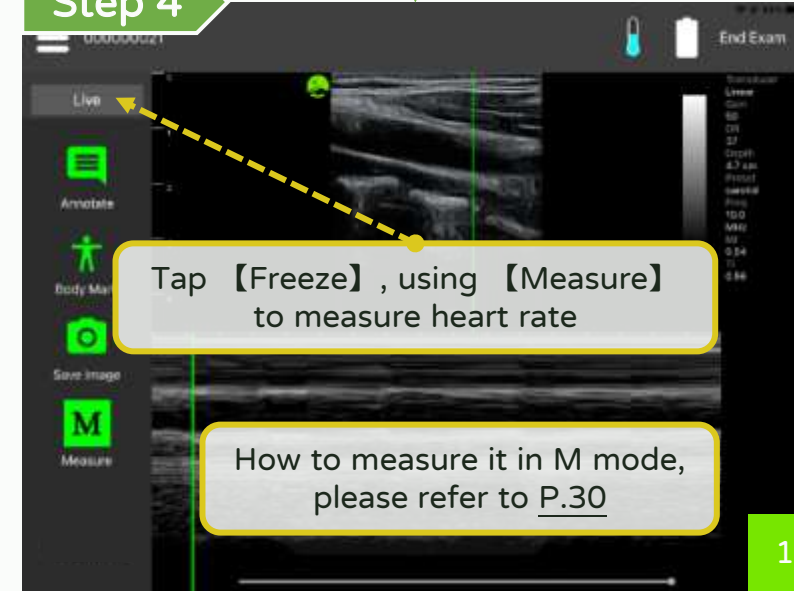
Step 2



Step 3

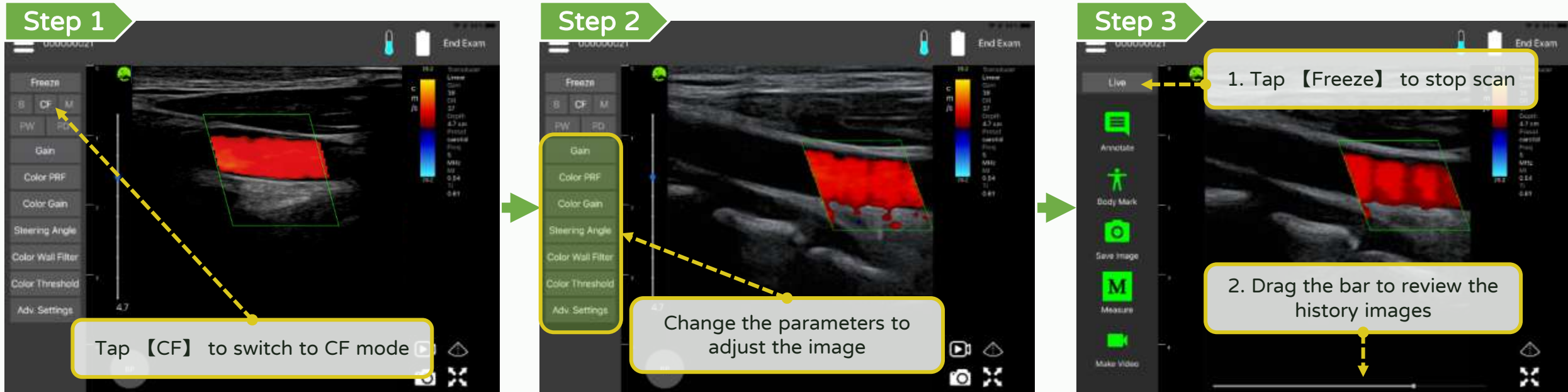


Step 4



Scan - CF (Color Flow) mode

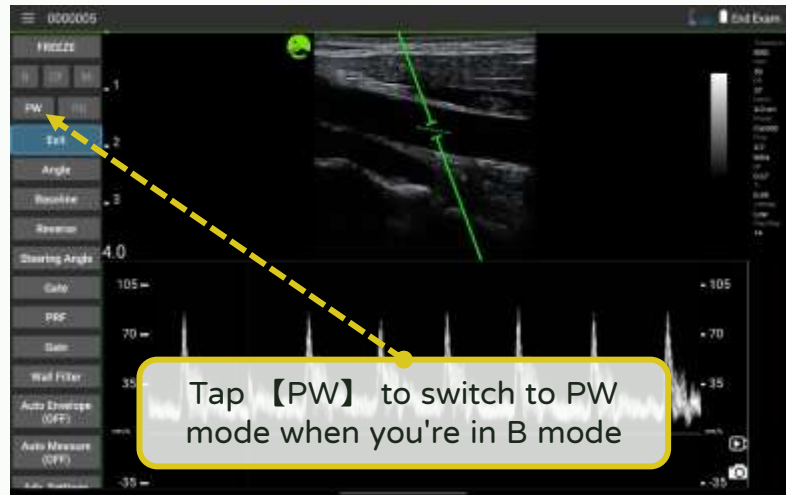
*Optional function **LEL TEK**



Scan - PW (Pulse Wave) mode without color

*Optional function **LEL TEK**

Step 1



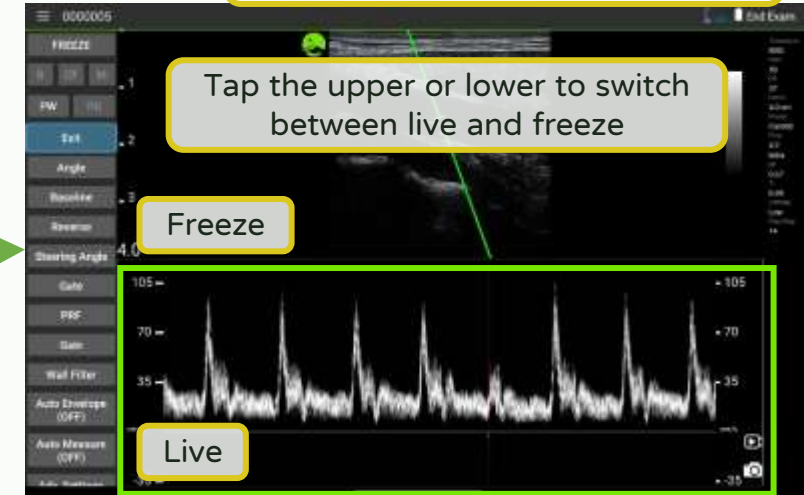
Step 2

The live image will be highlighted with a green frame

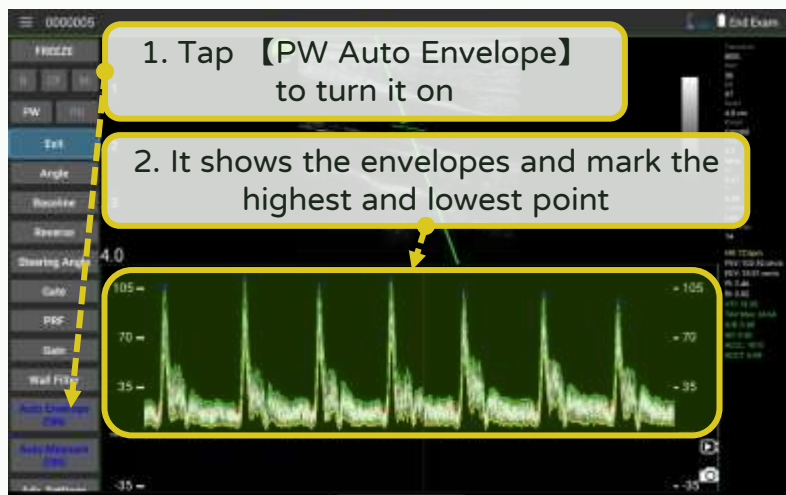


Step 3

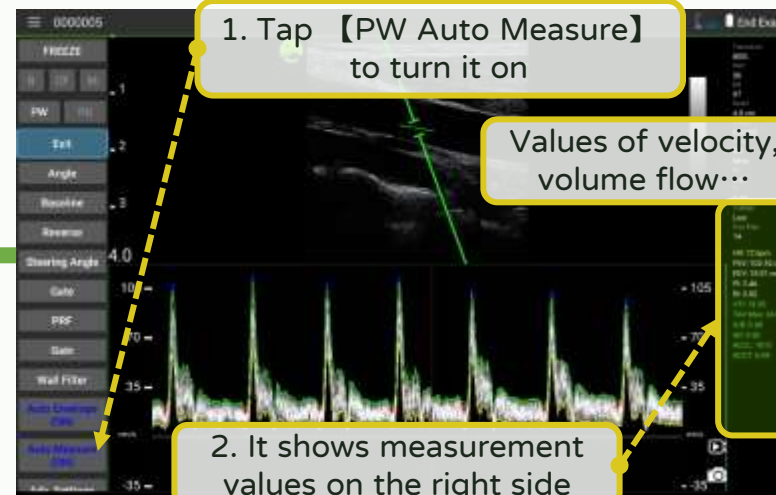
The live image will be highlighted with a green frame



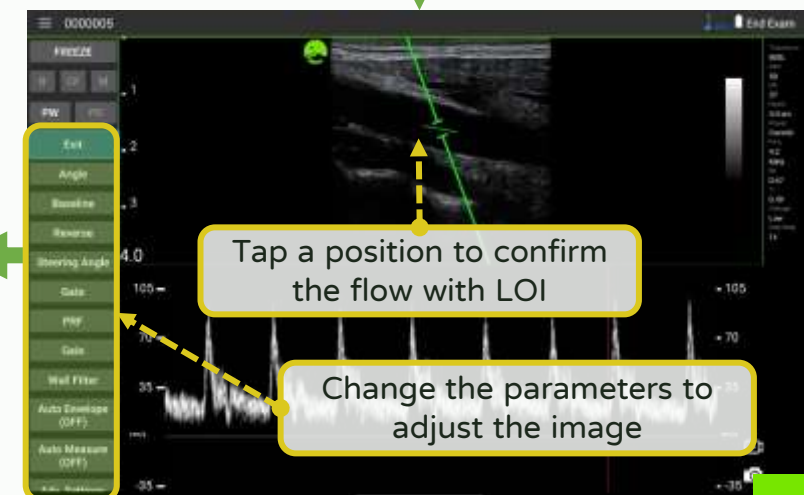
Step 6



Step 5



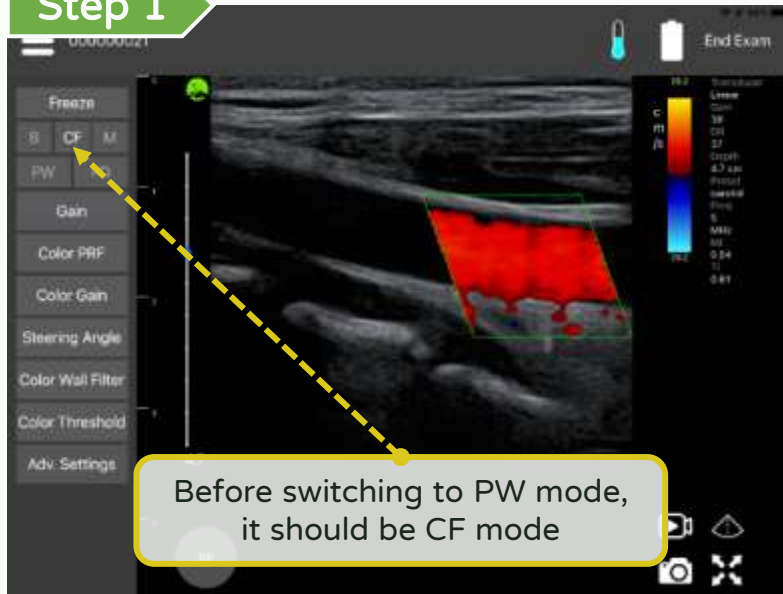
Step 4



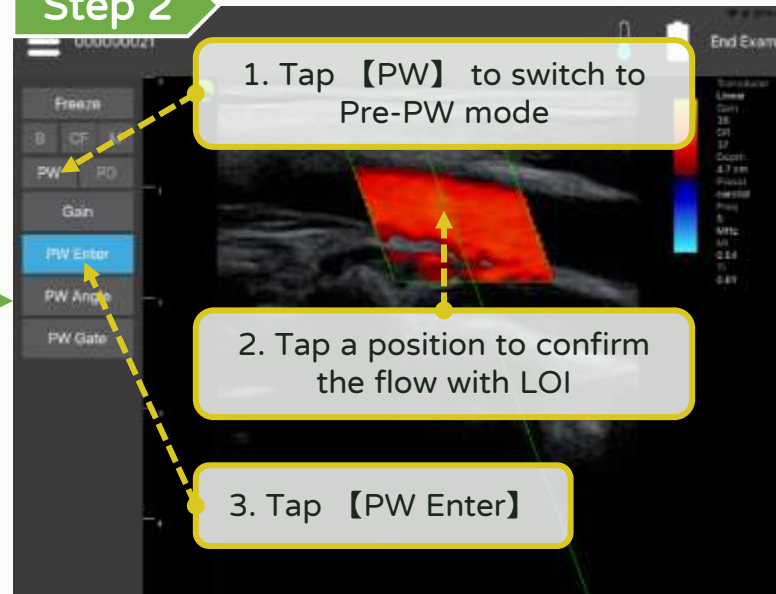
Scan - PW (Pulse Wave) mode with color

*Optional function **LEL TEK**

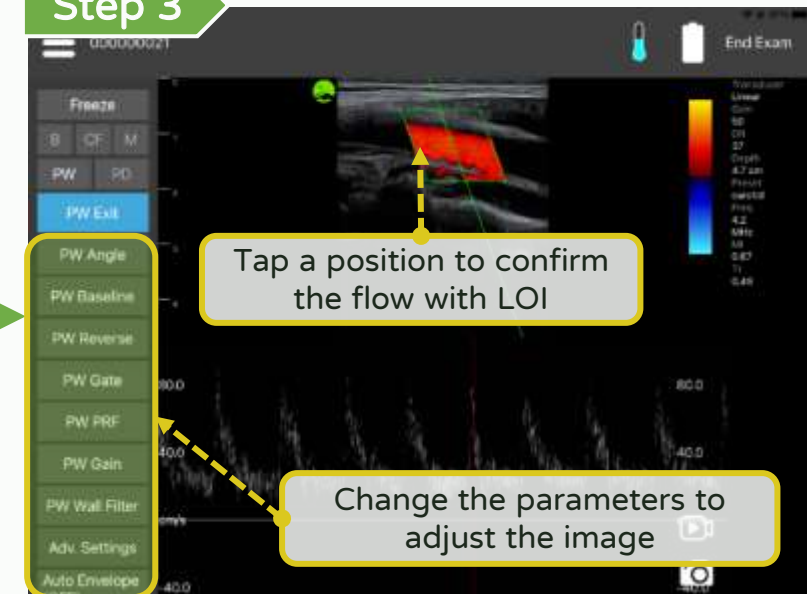
Step 1



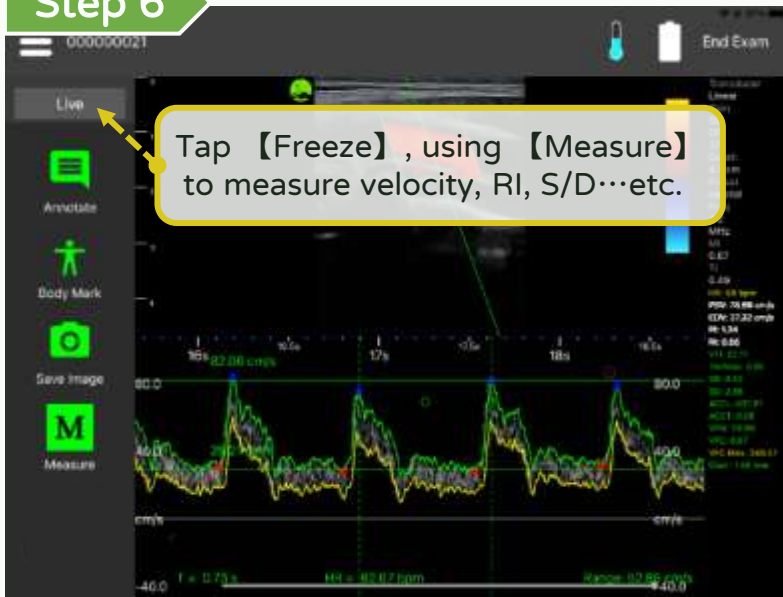
Step 2



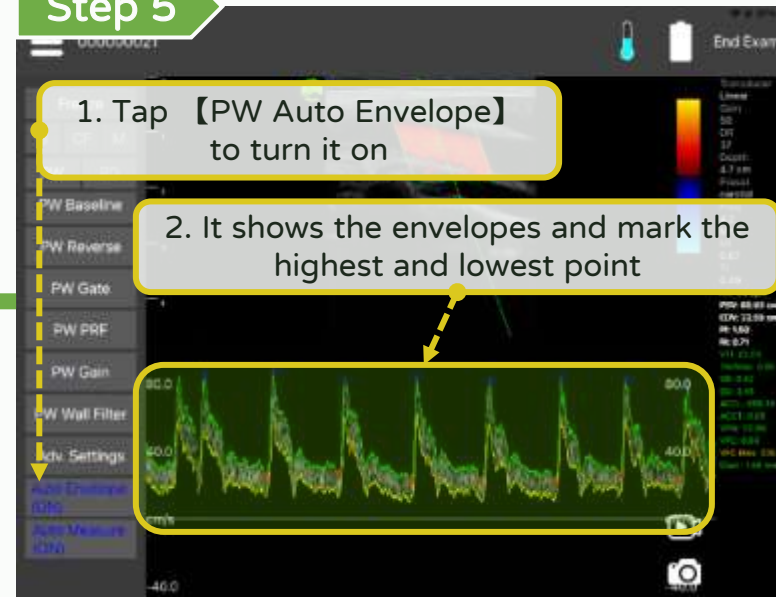
Step 3



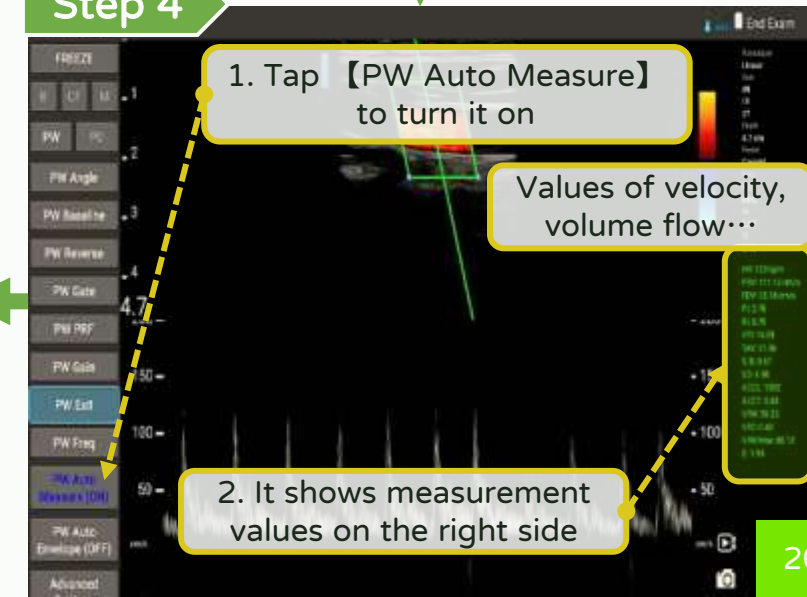
Step 6



Step 5

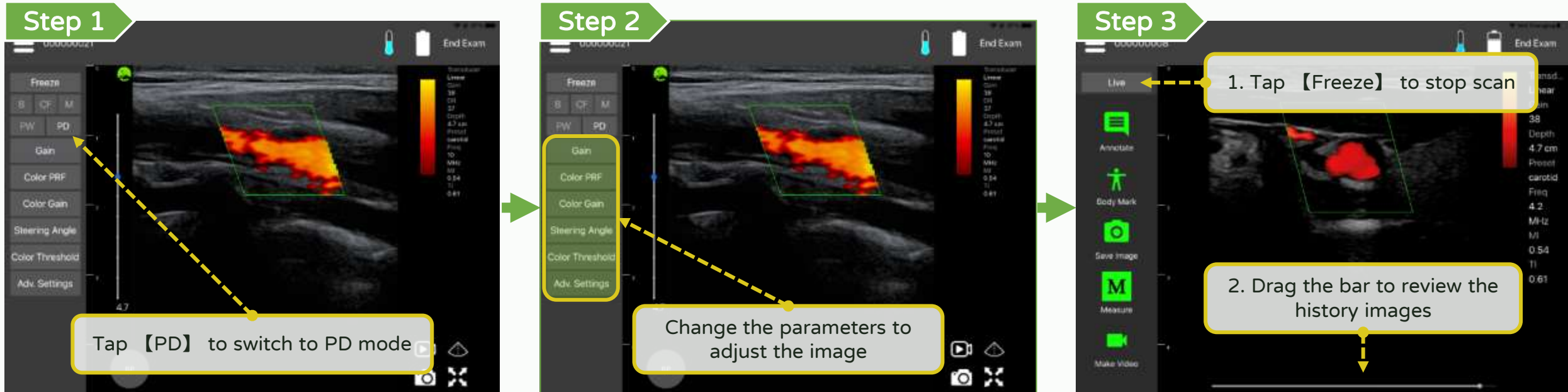


Step 4

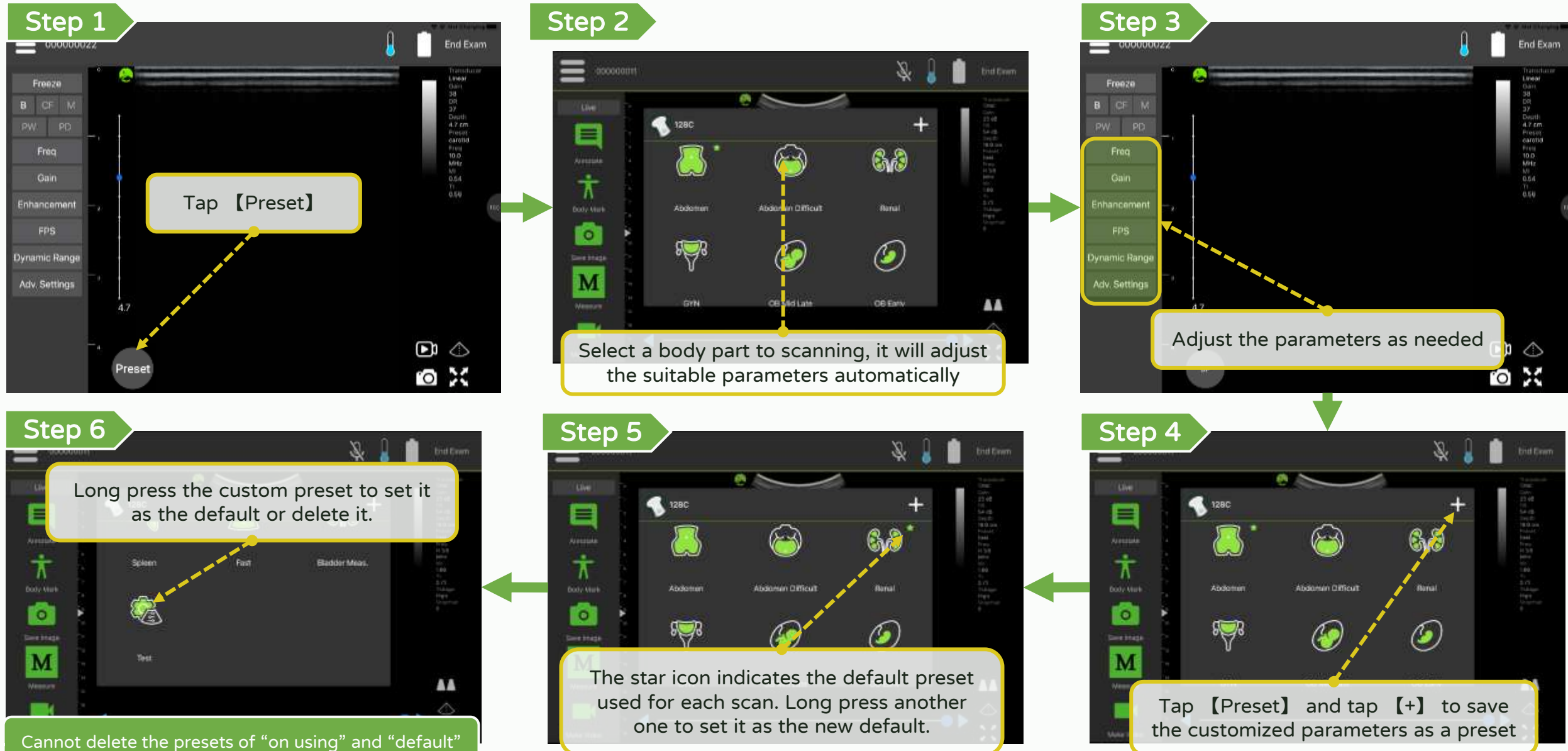


Scan - PD (Power Doppler) mode

*Optional function **LEL TEK**

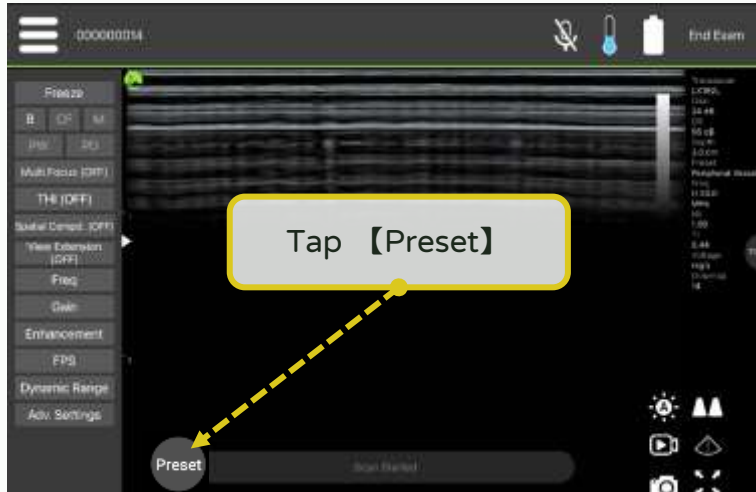


Scan - Select and customize a preset (LU/LK series)

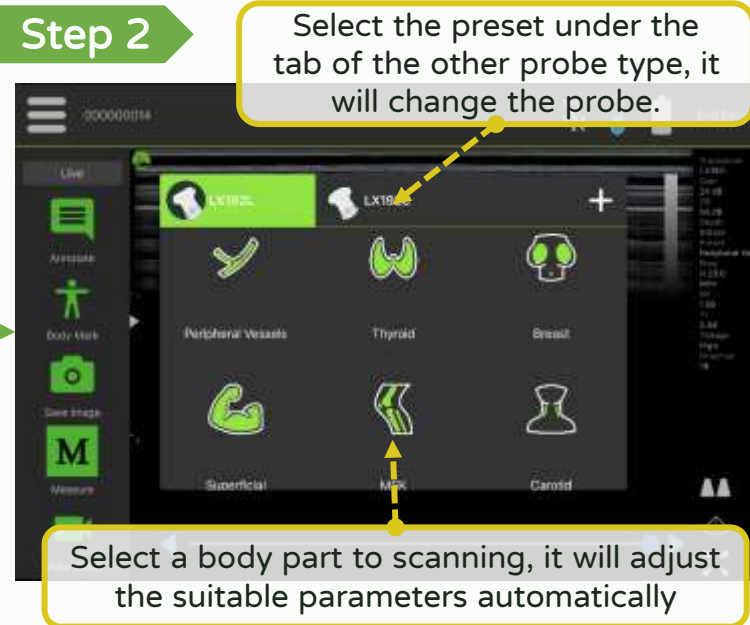


Scan - Select and customize a preset (LX series)

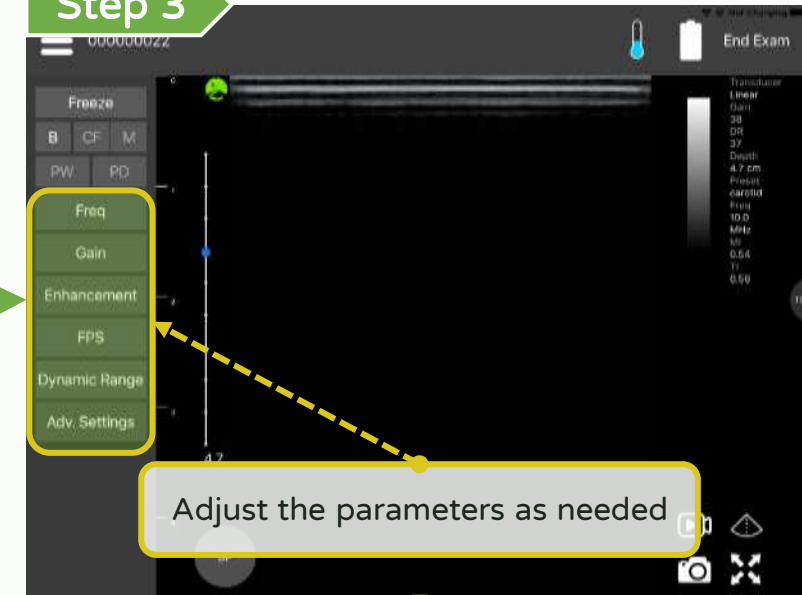
Step 1



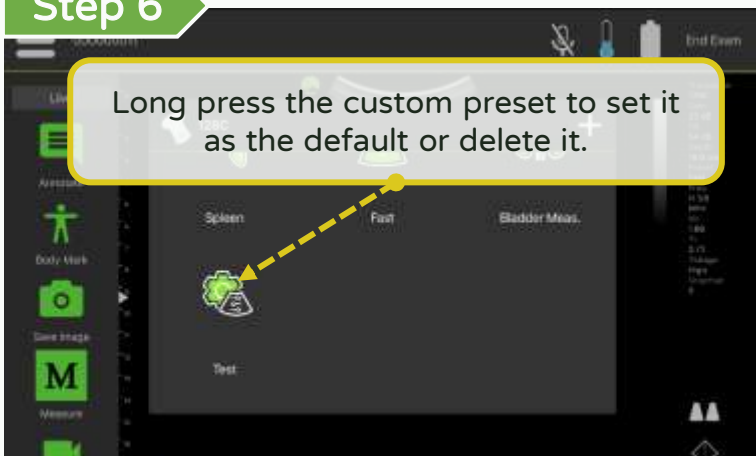
Step 2



Step 3

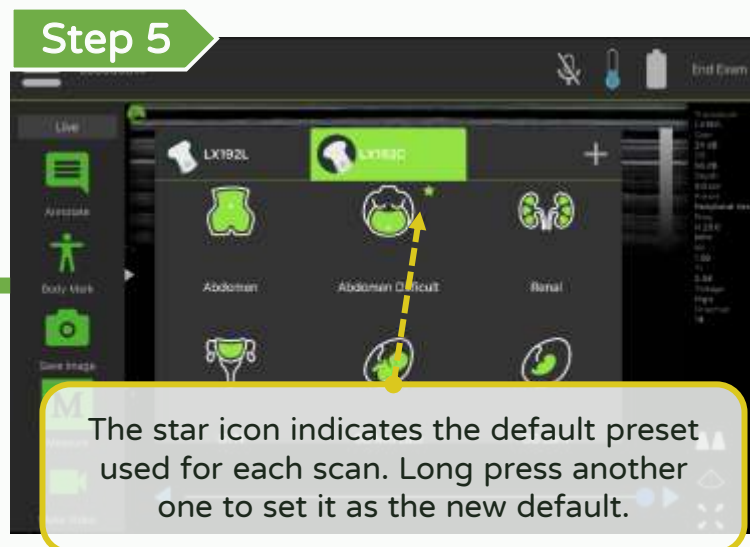


Step 6

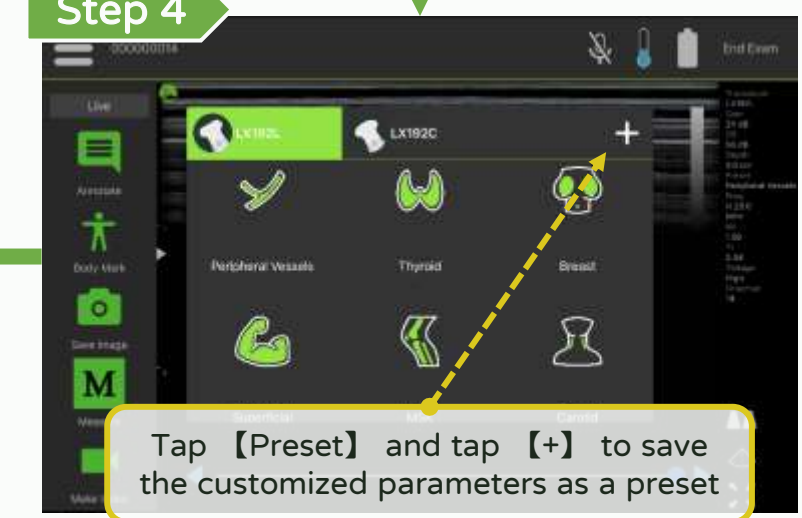


Cannot delete the presets of "on using" and "default"

Step 5



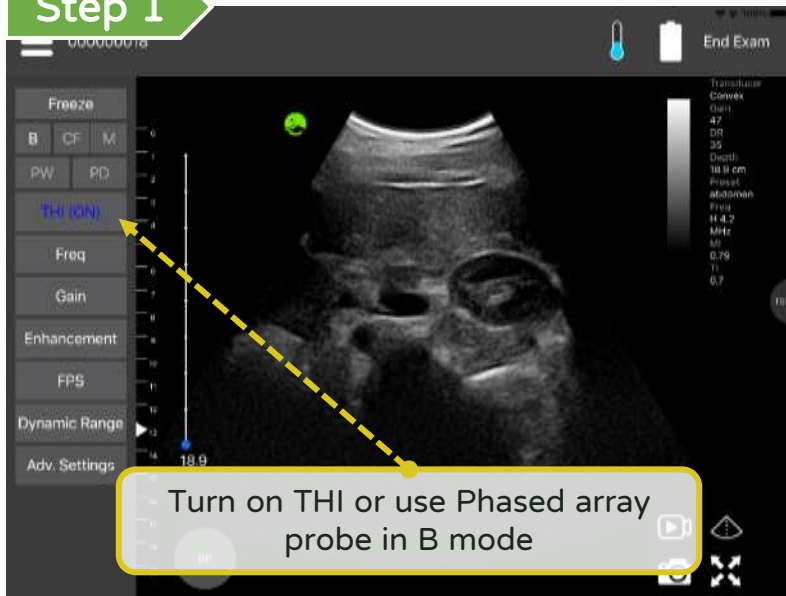
Step 4



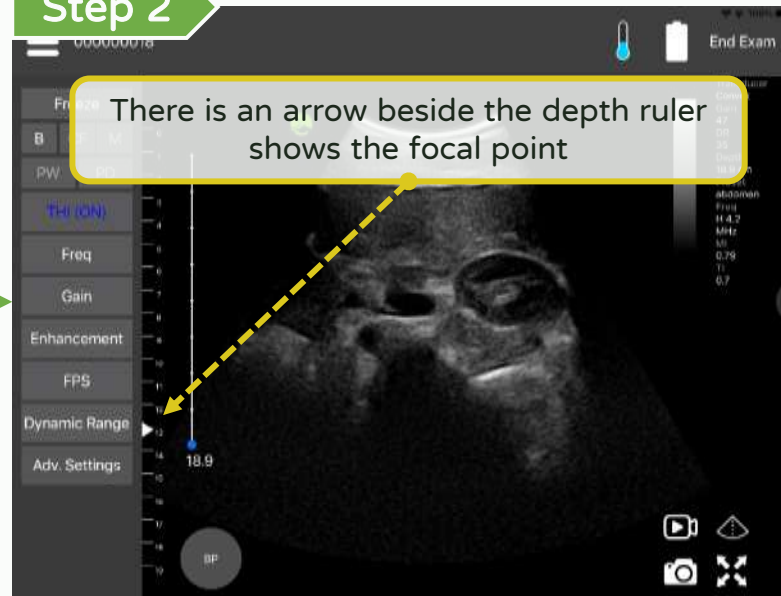
Scan - Adjust focus

LEL TEK

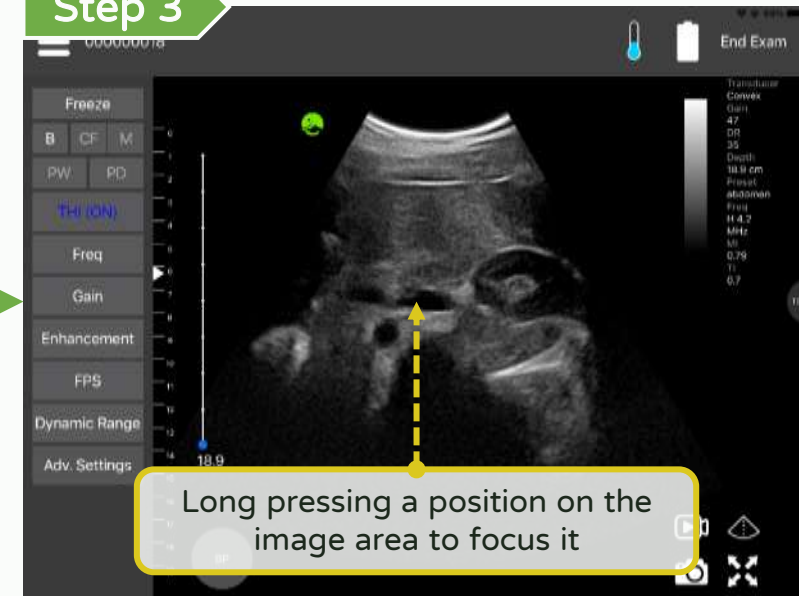
Step 1



Step 2

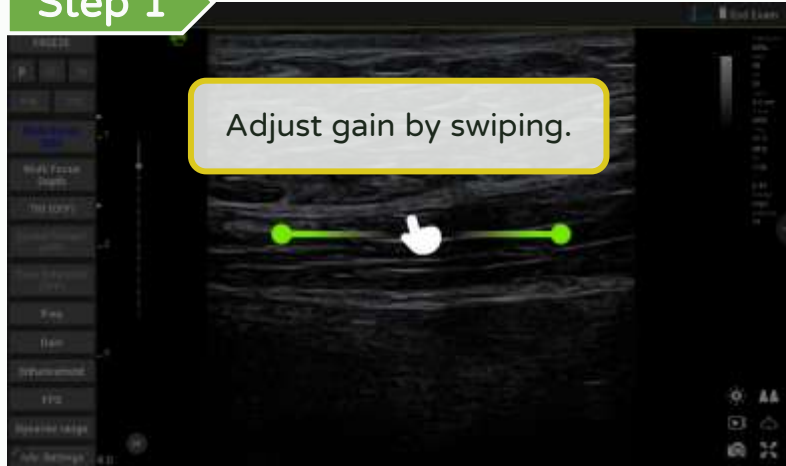


Step 3



Step 1

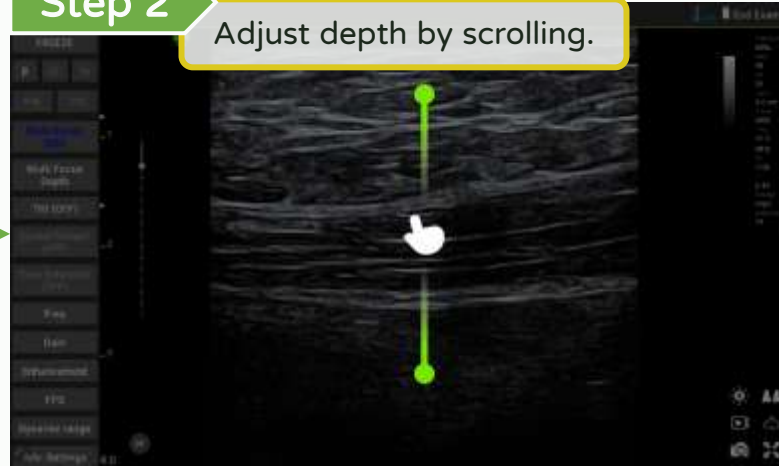
Adjust gain by swiping.



Adjust the gain

Step 2

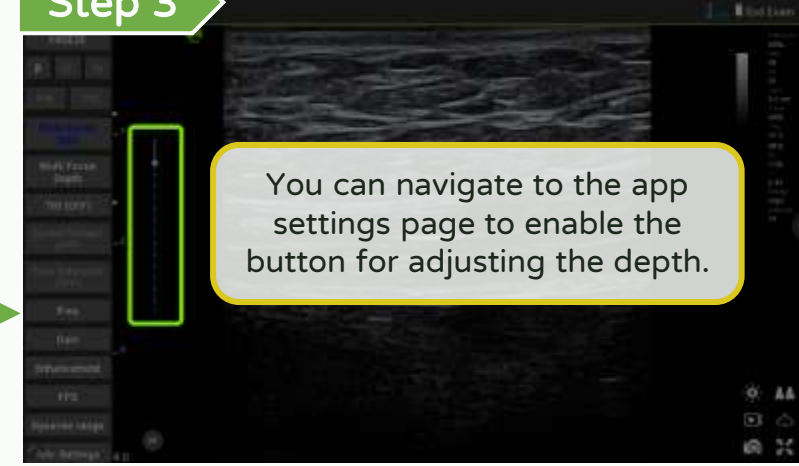
Adjust depth by scrolling.



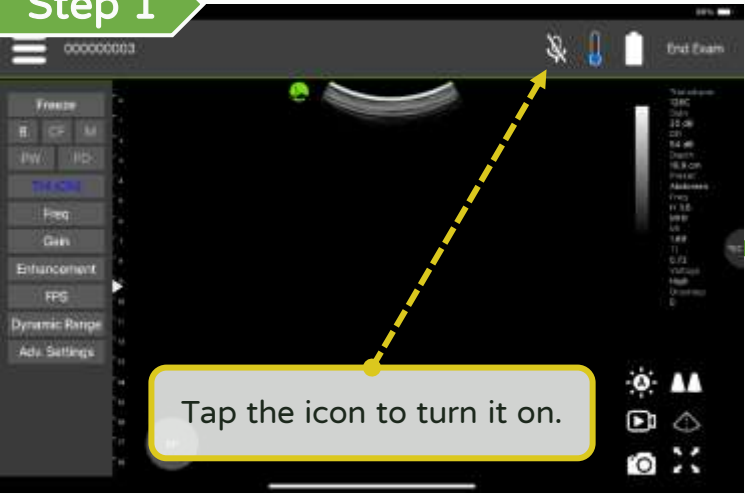
Adjust the depth

Step 3

You can navigate to the app settings page to enable the button for adjusting the depth.

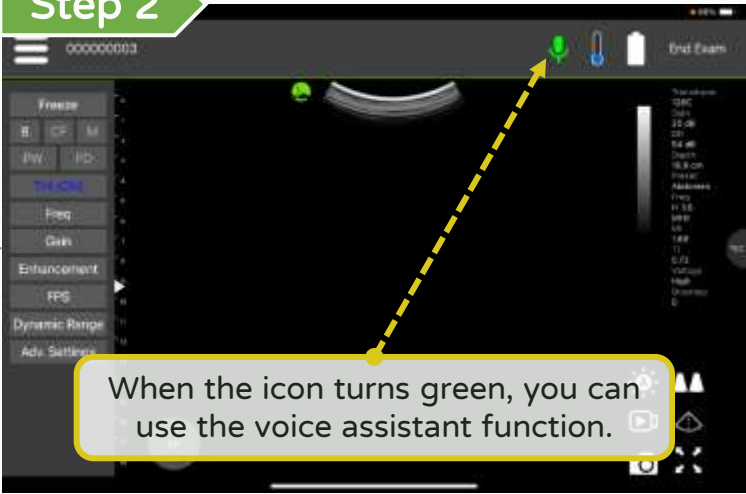


Step 1



Tap the icon to turn it on.

Step 2



When the icon turns green, you can use the voice assistant function.

To enhance the voice recognition function please refer to the manual guide

【Android】

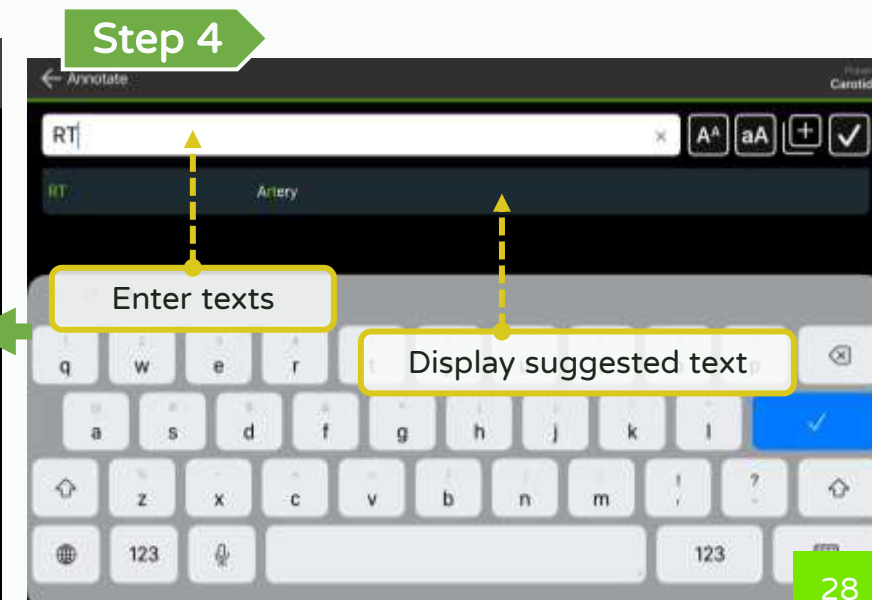
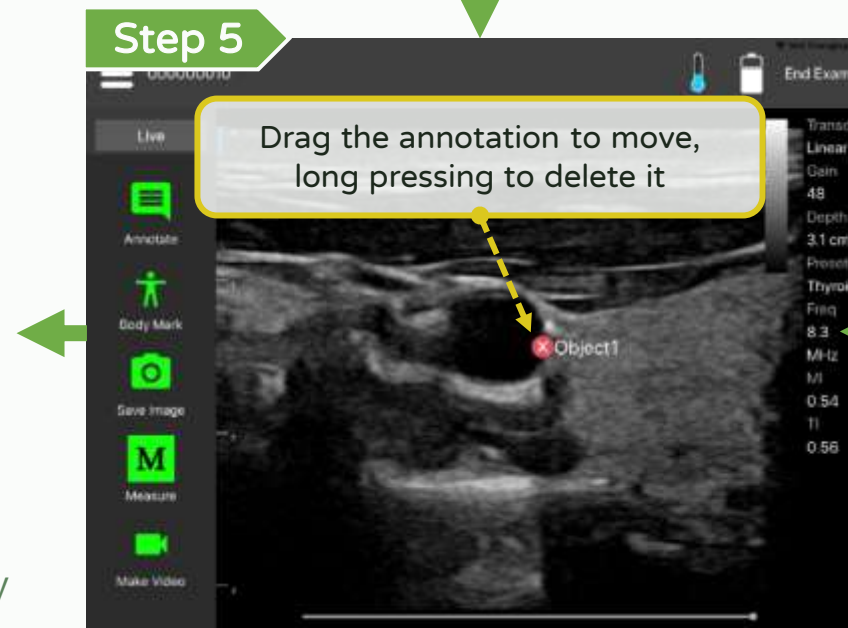
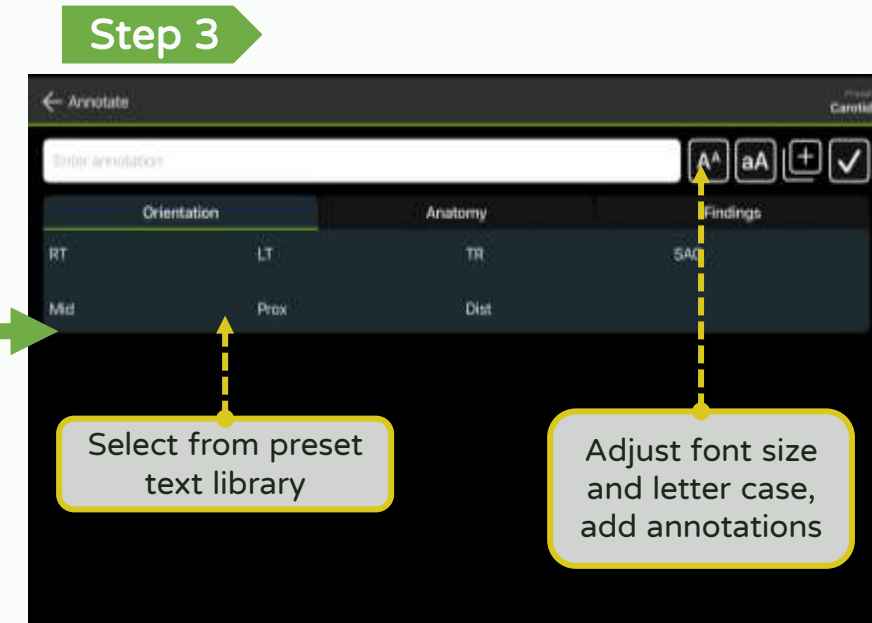
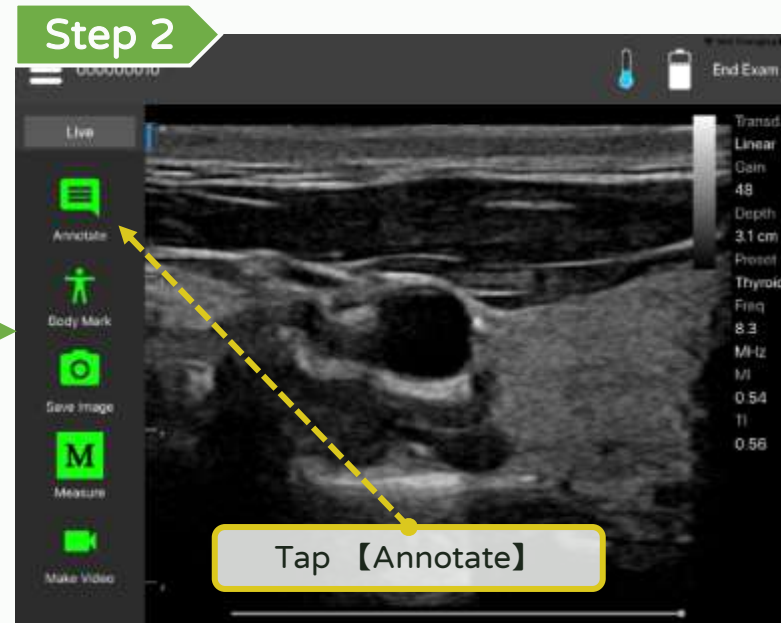
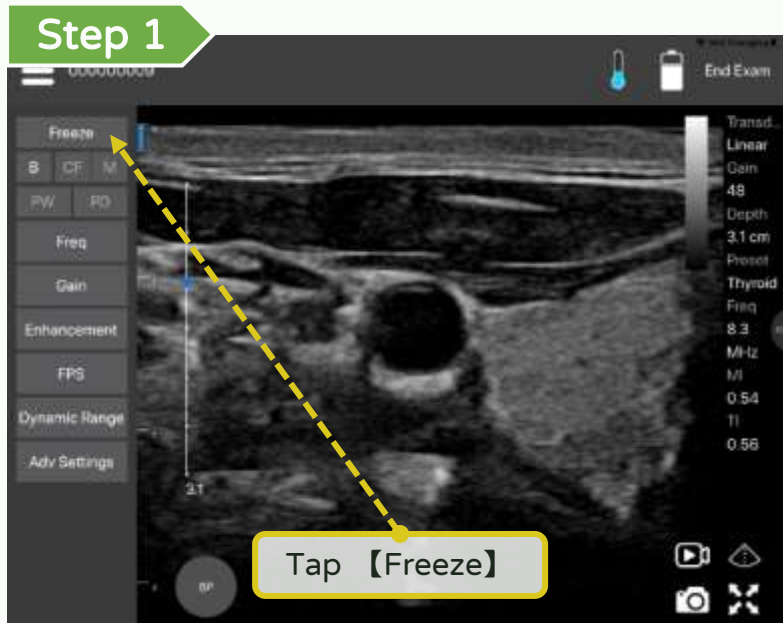


【iOS】

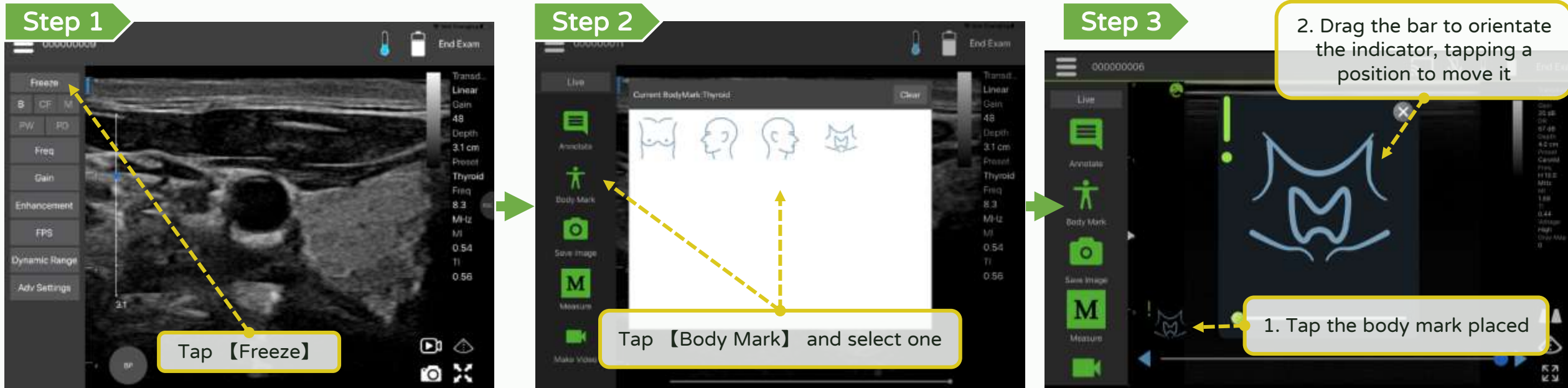


Functions	Voice Command
Freeze	Freeze
Live	Live
Save image	Capture image

【 Annotate, measure and save 】

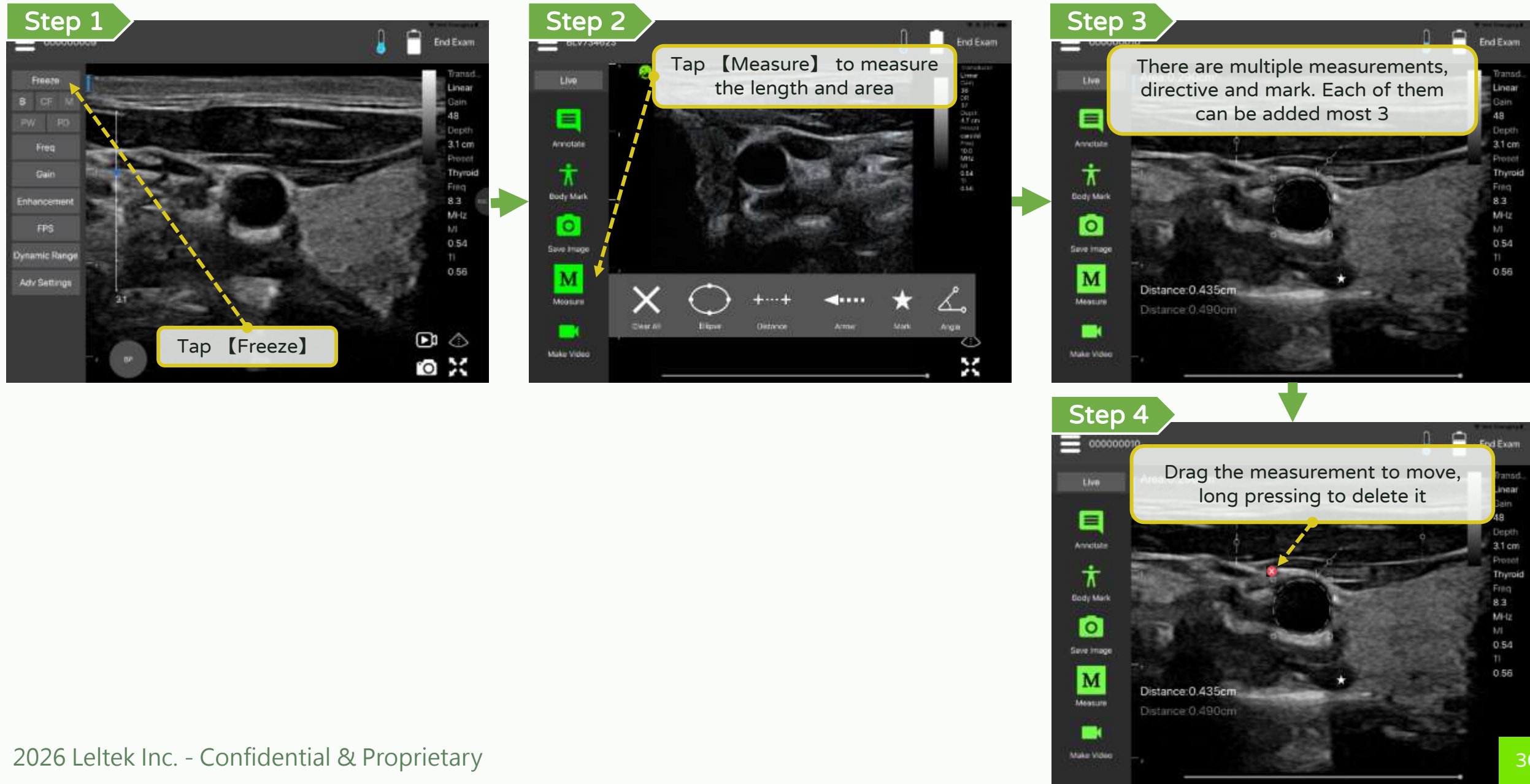


Annotate, measure and save - Annotate & Body mark



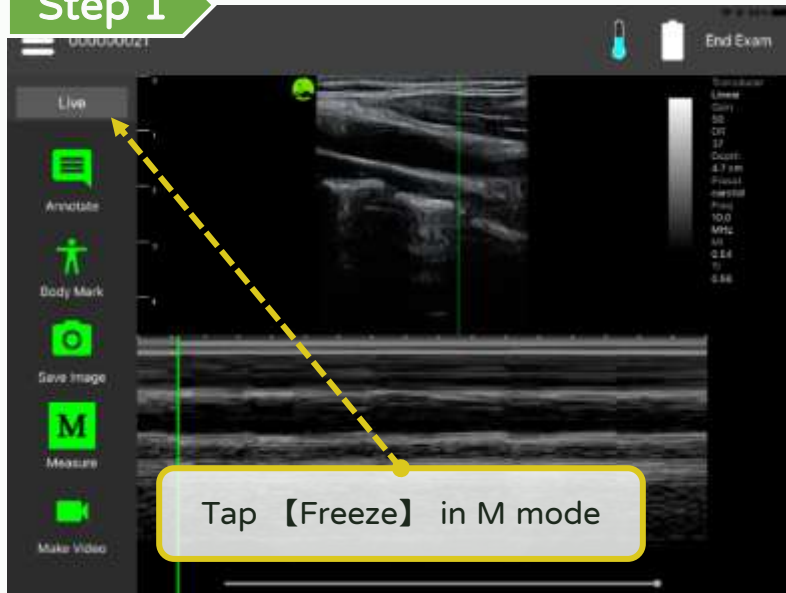
Annotate, measure and save - Measure

LEL TEK

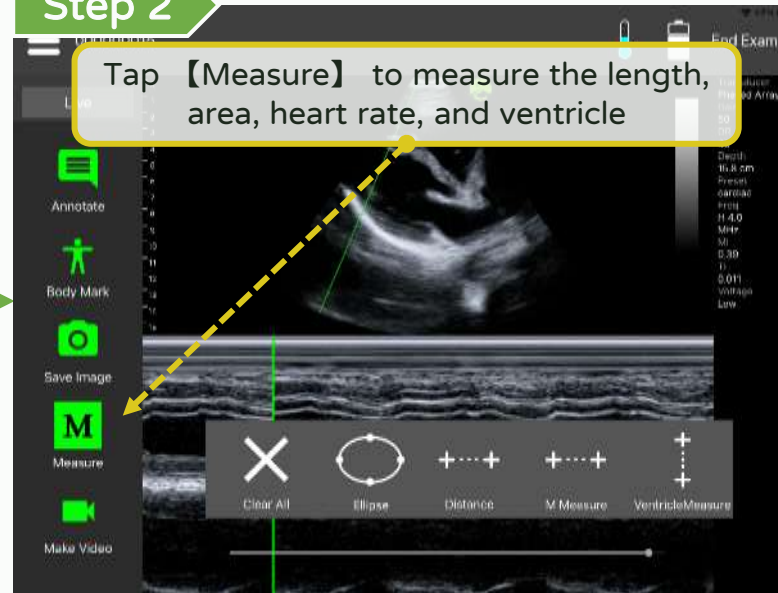


Annotate, measure and save - Measure in M mode

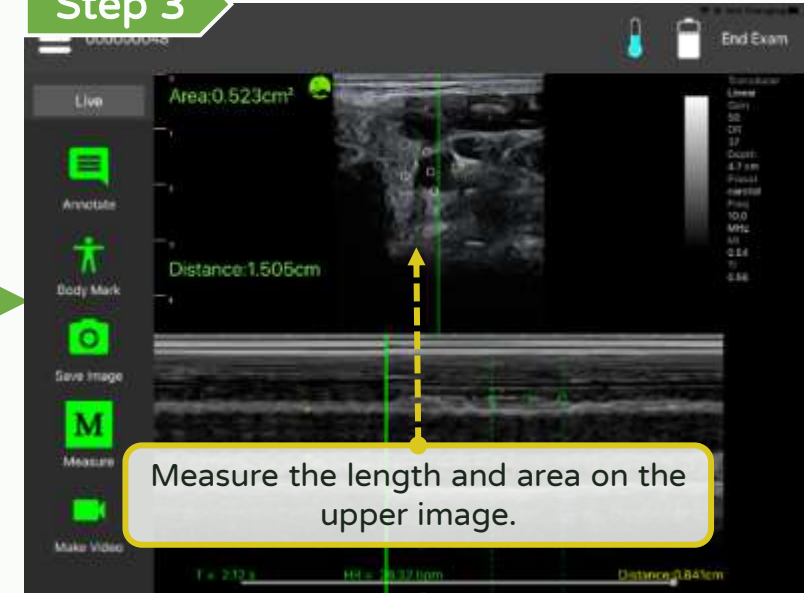
Step 1



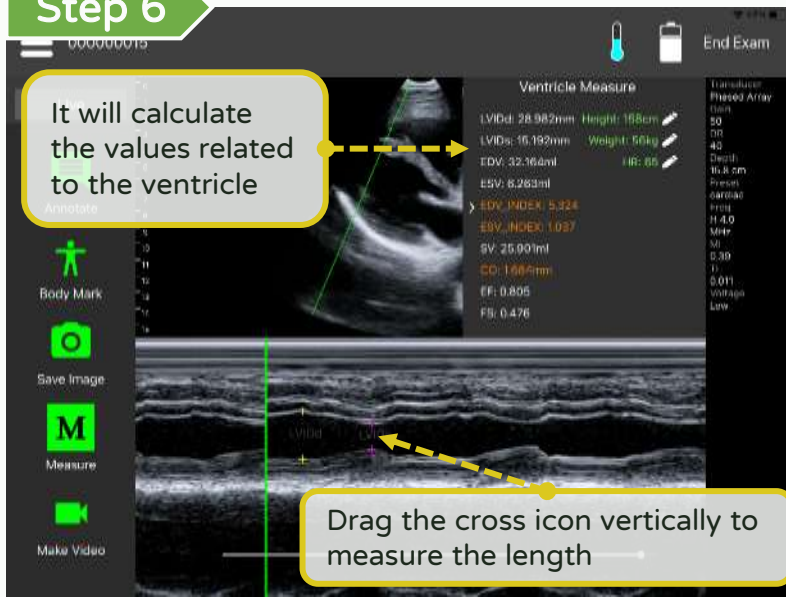
Step 2



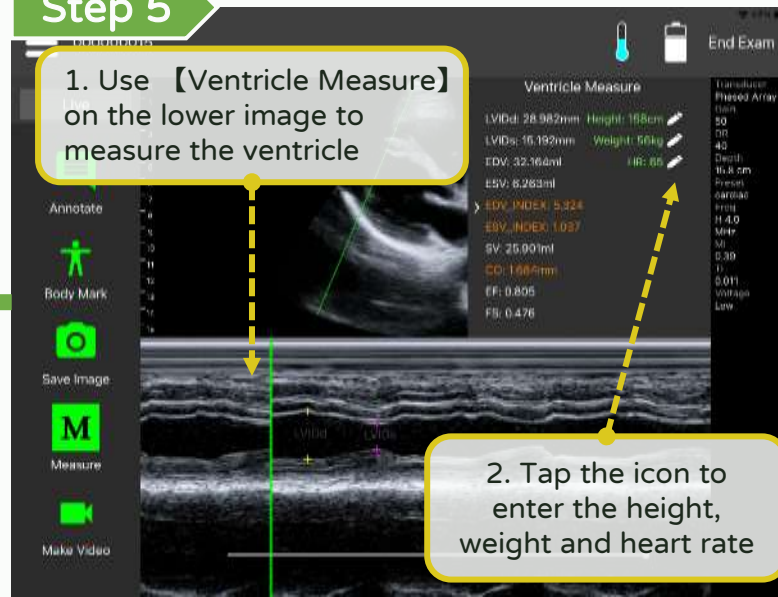
Step 3



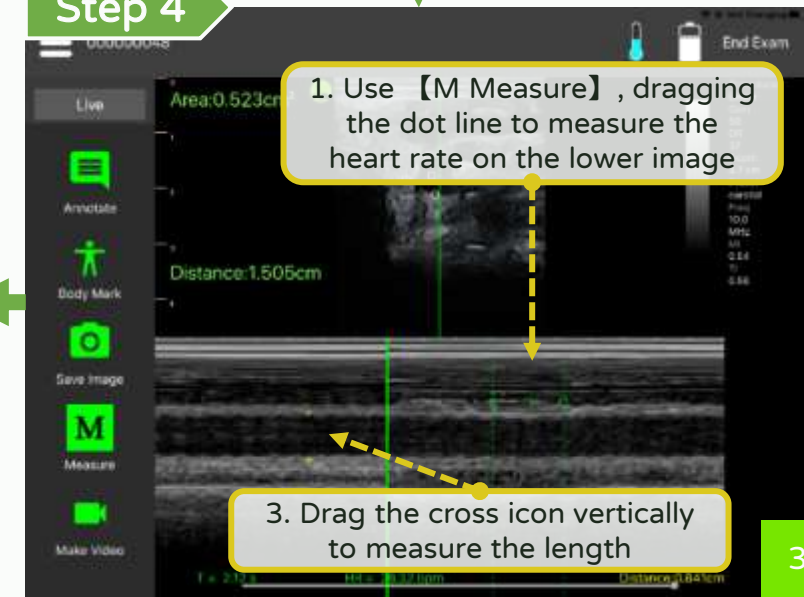
Step 6



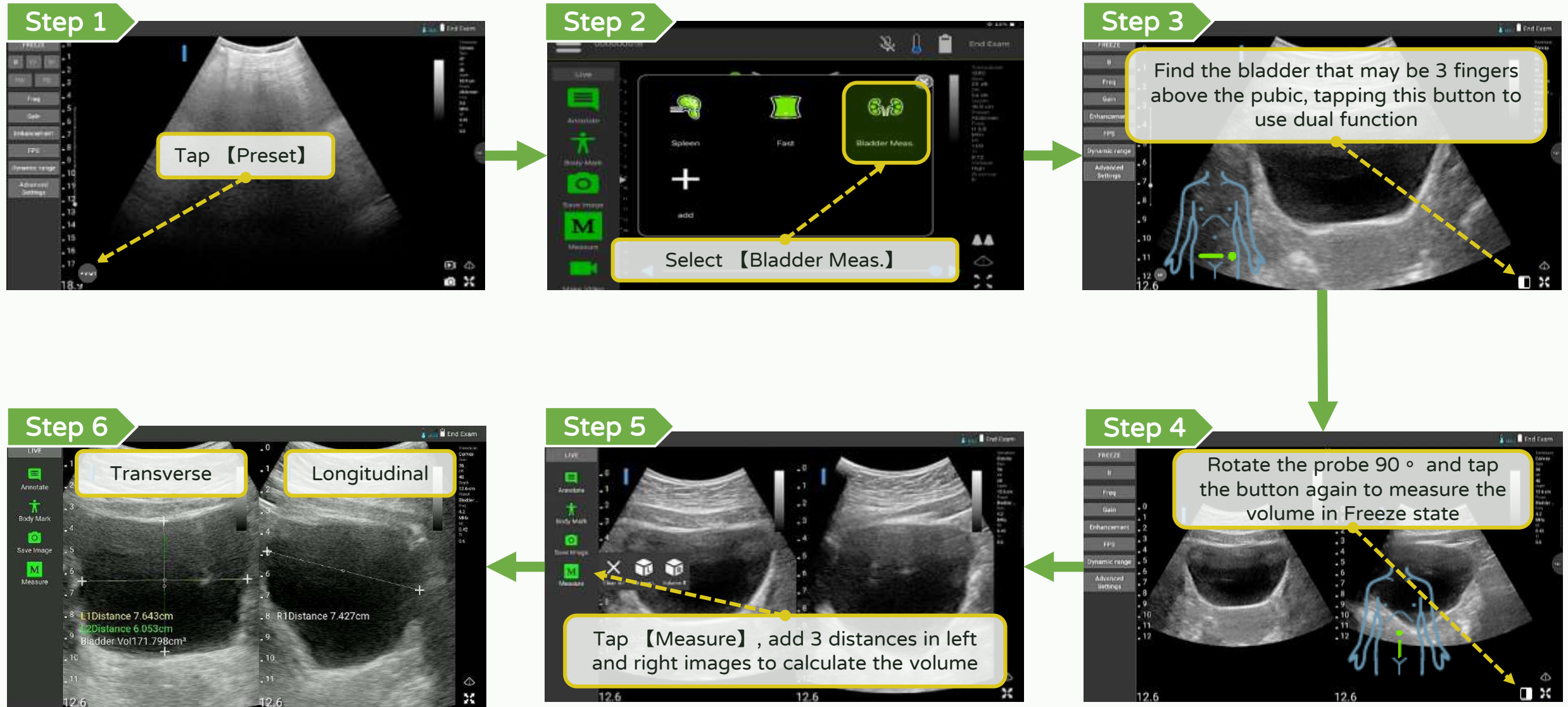
Step 5



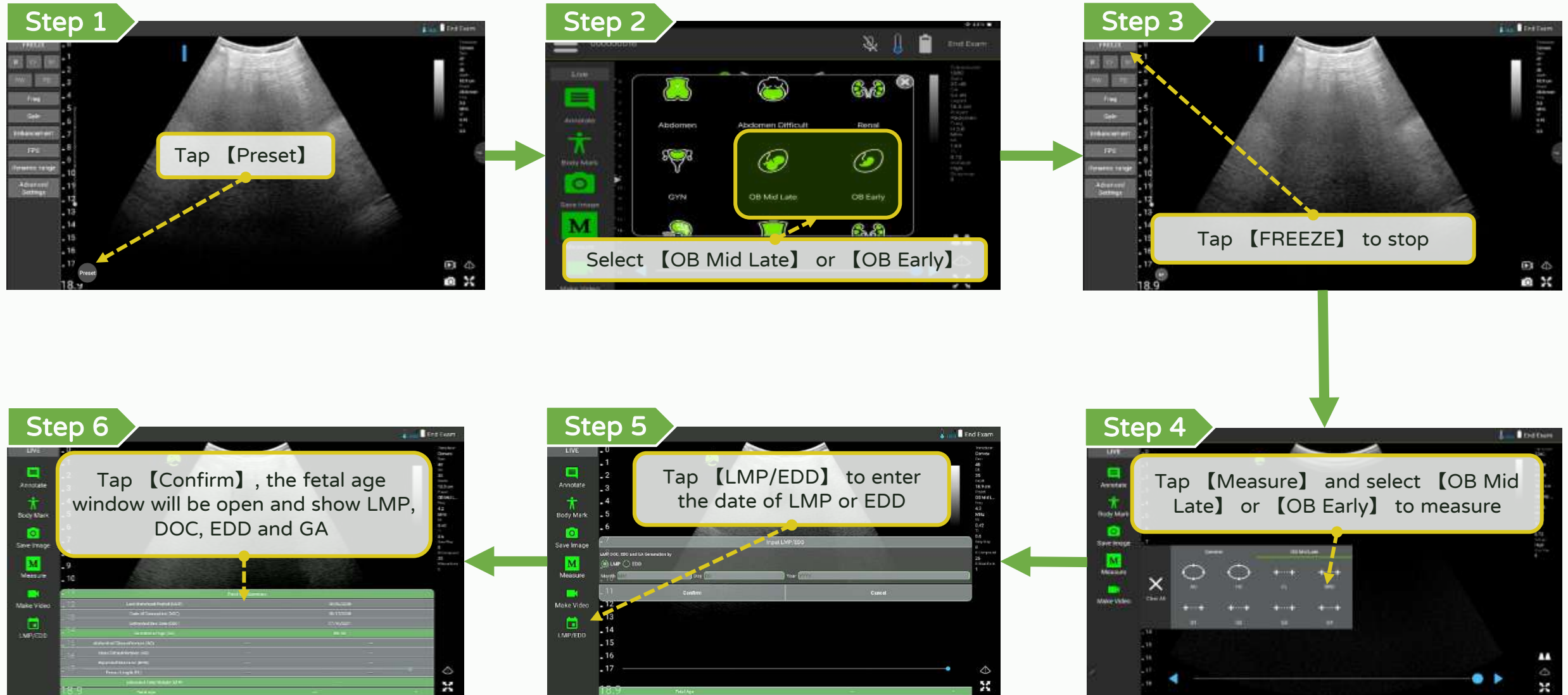
Step 4



Annotate, measure and save - Measure Bladder

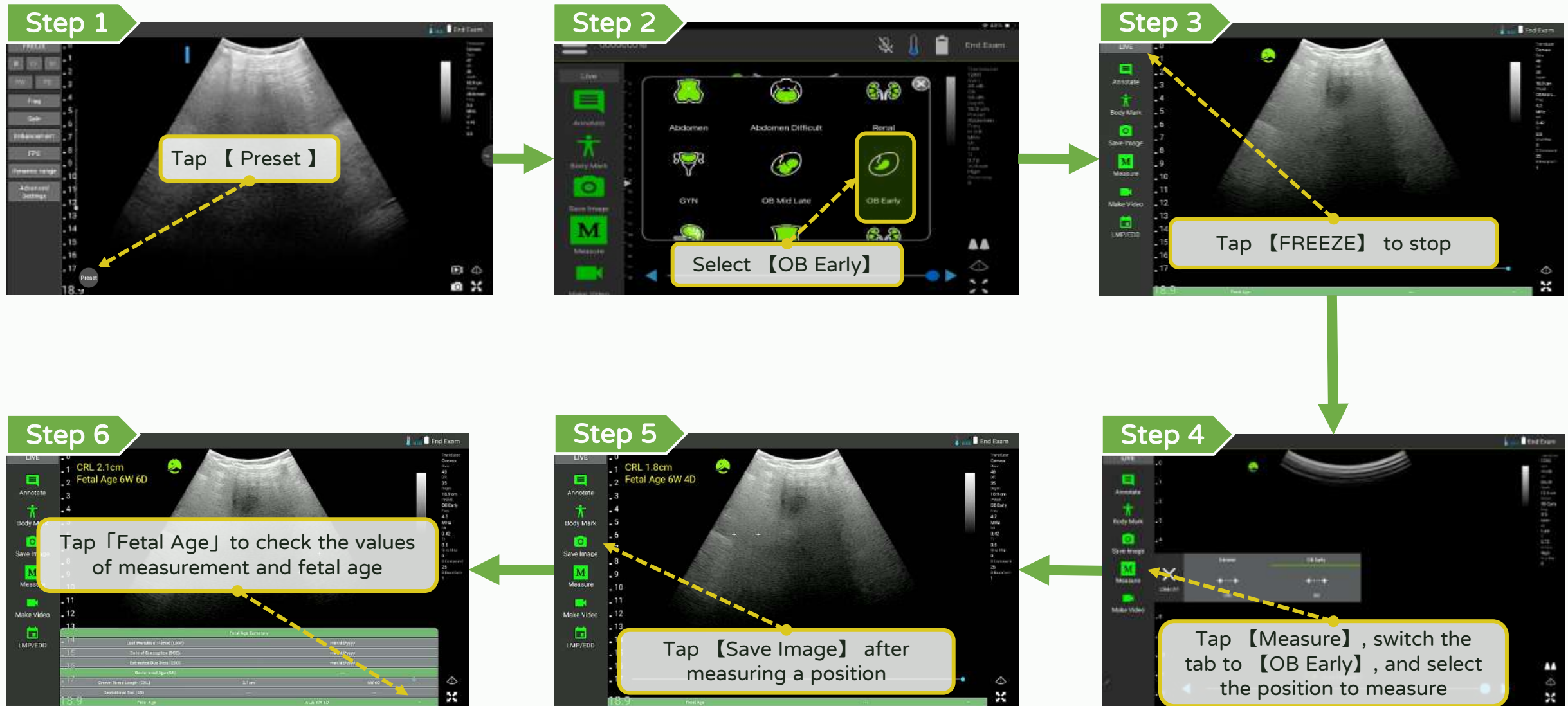


Annotate, measure and save - Calculating the gestational age **LEL TEK**



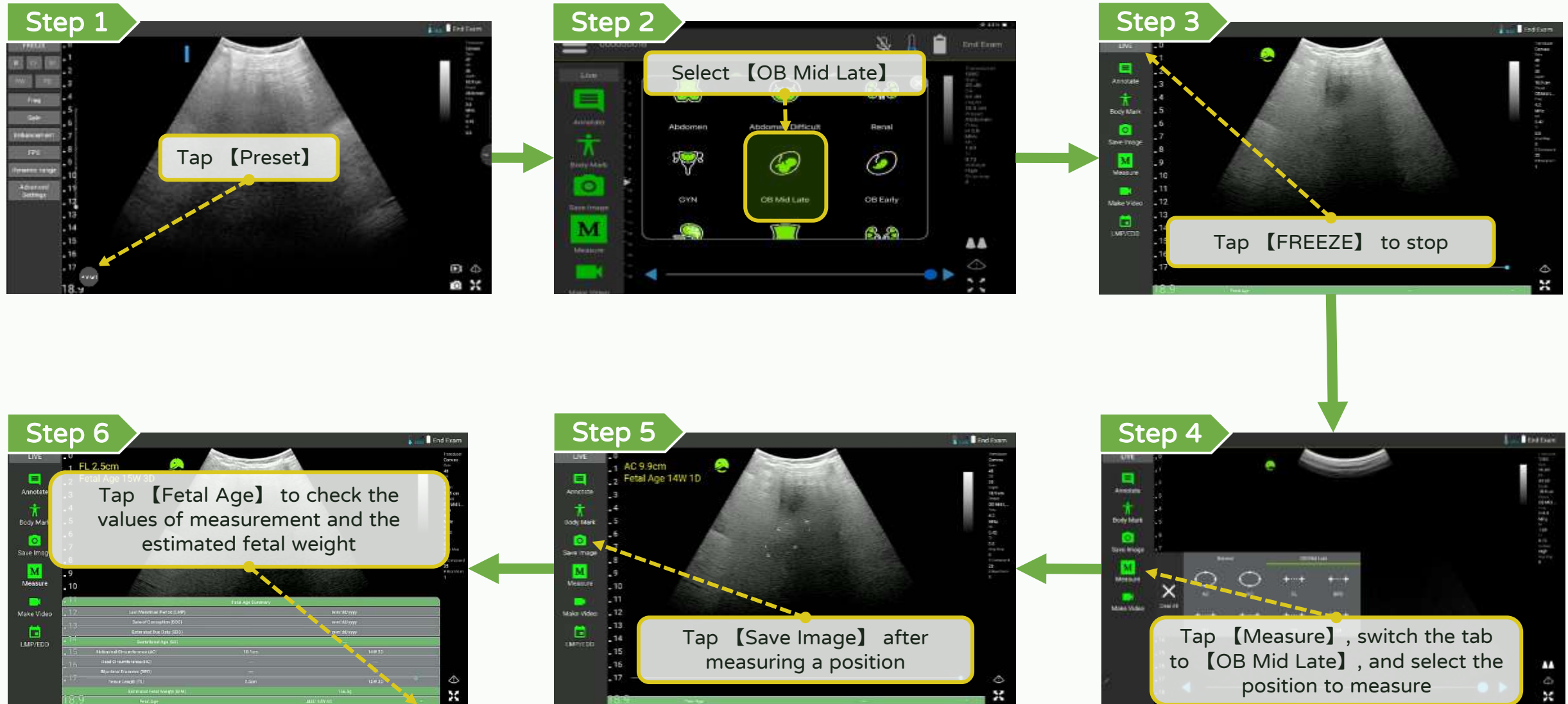
Annotate, measure and save - Measuring in OB early

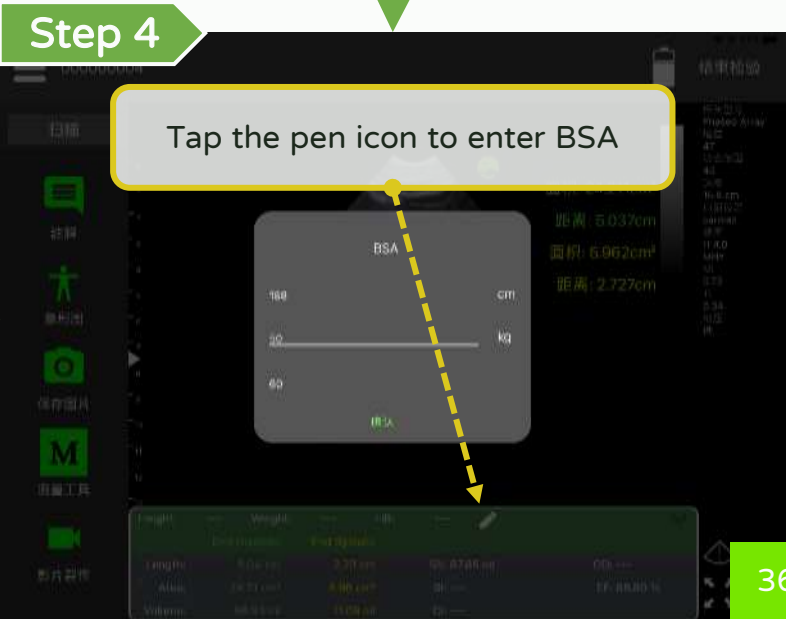
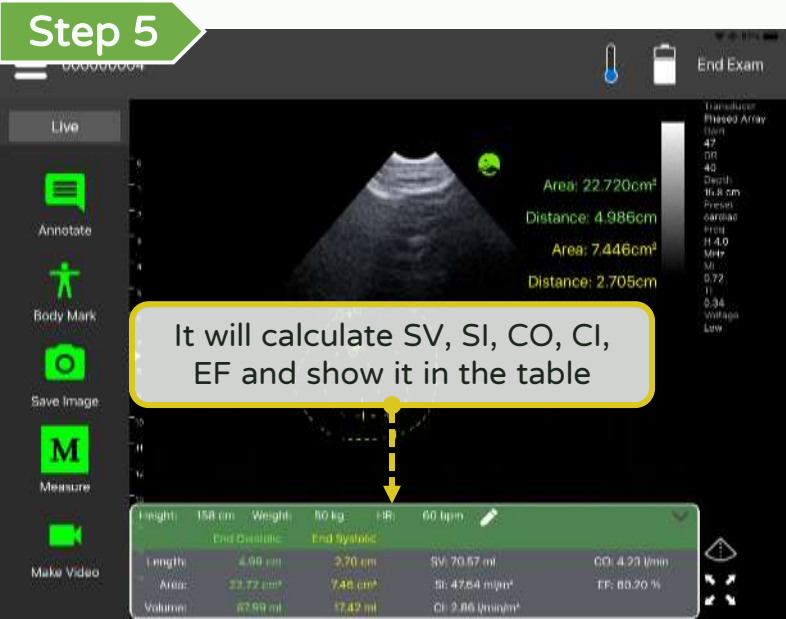
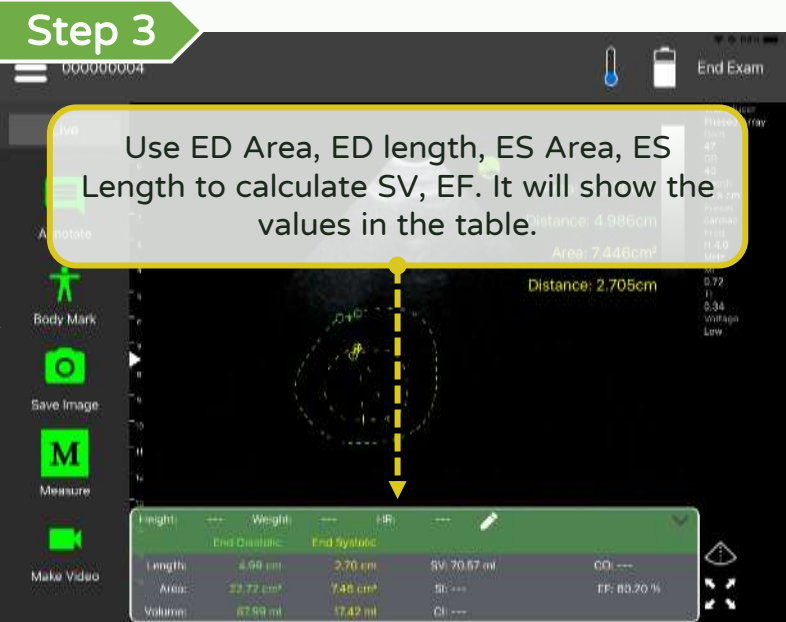
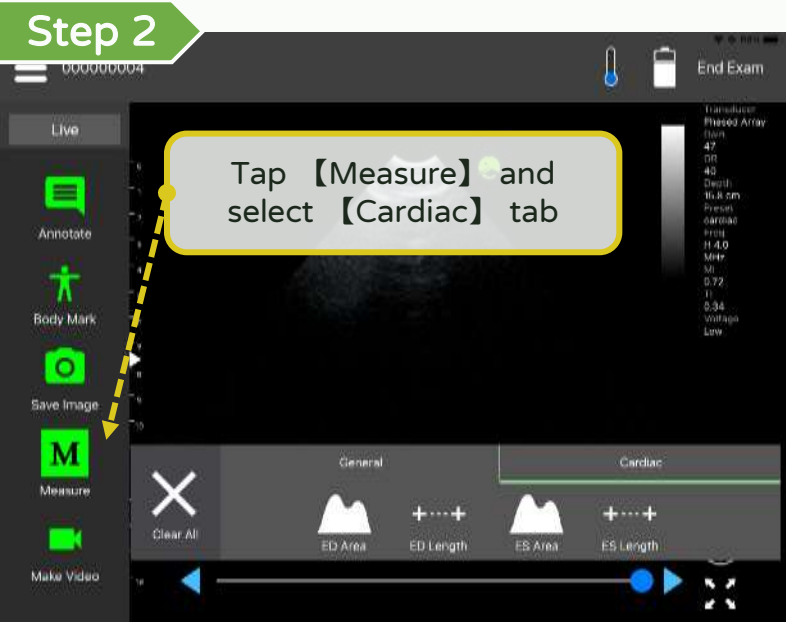
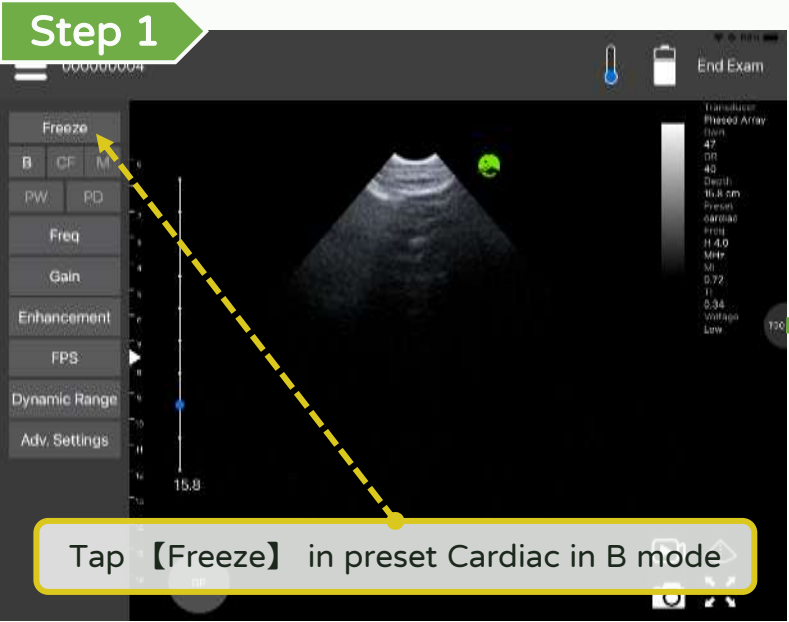
LEL TEK



Annotate, measure and save - Measuring in OB mid late

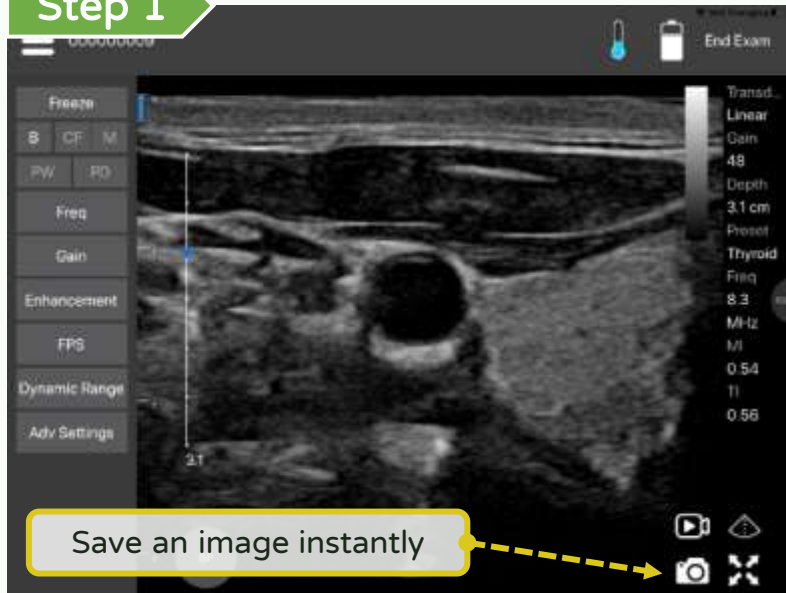
LEL TEK





Annotate, measure and save - Save (Instant)

Step 1



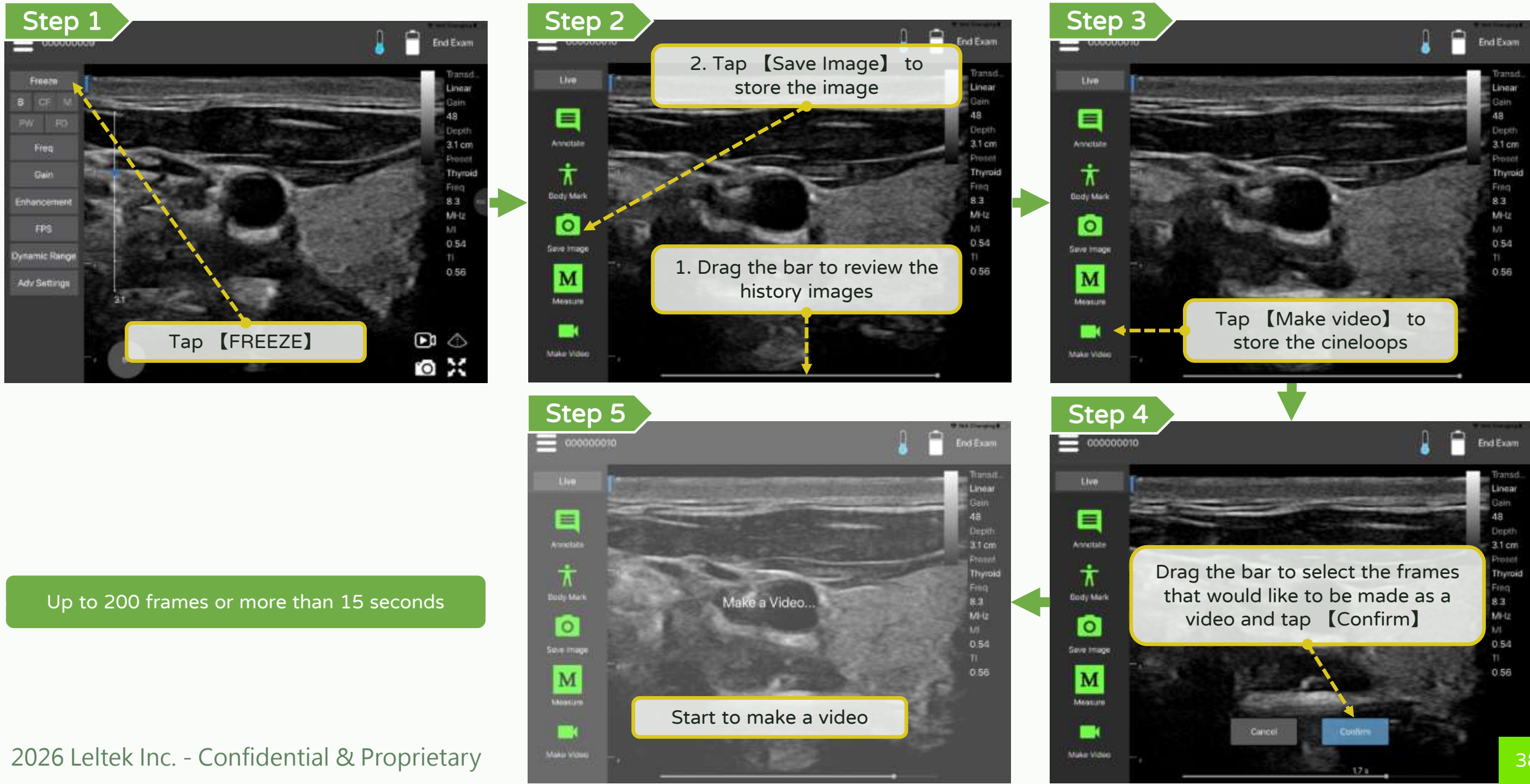
Step 2

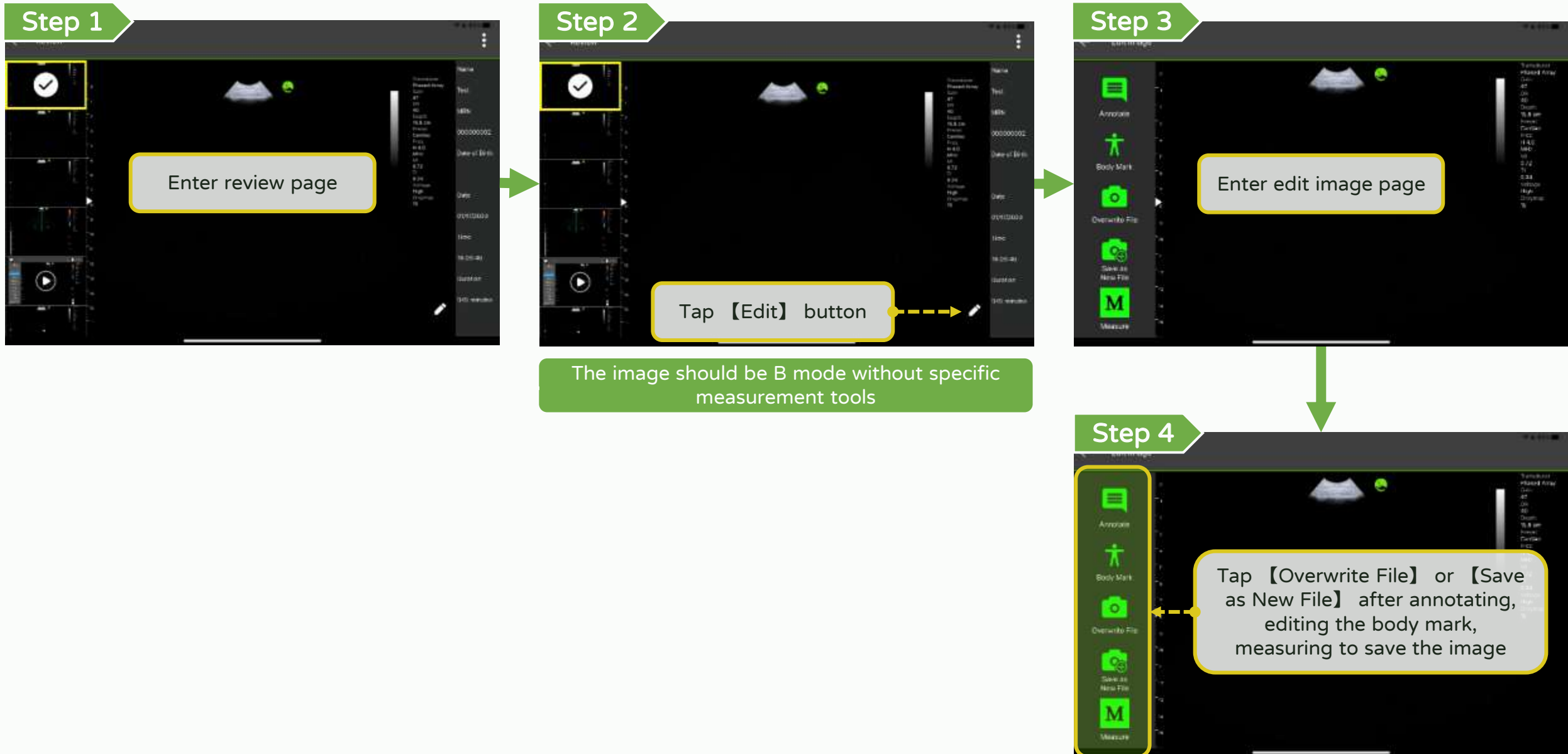


Up to 200 frames or more than 15 seconds

Annotate, measure and save - Save image (Not Instant)

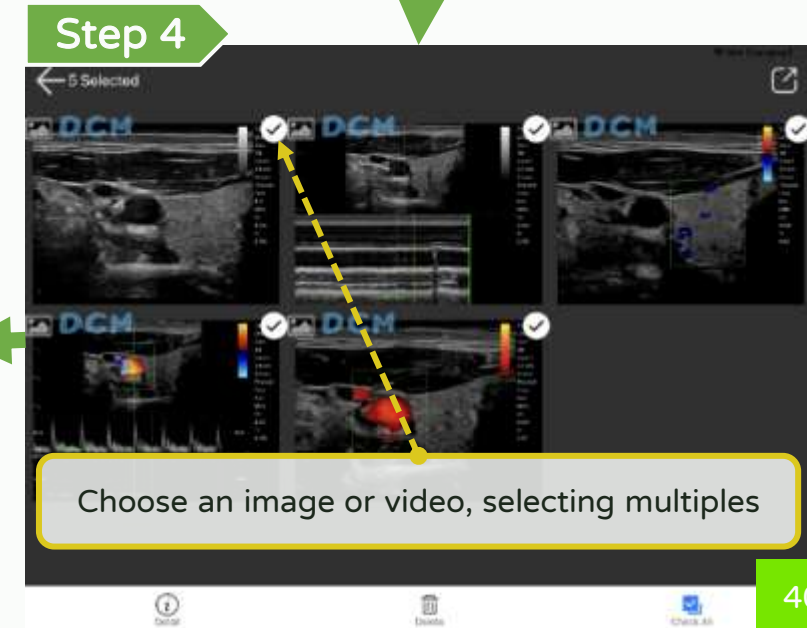
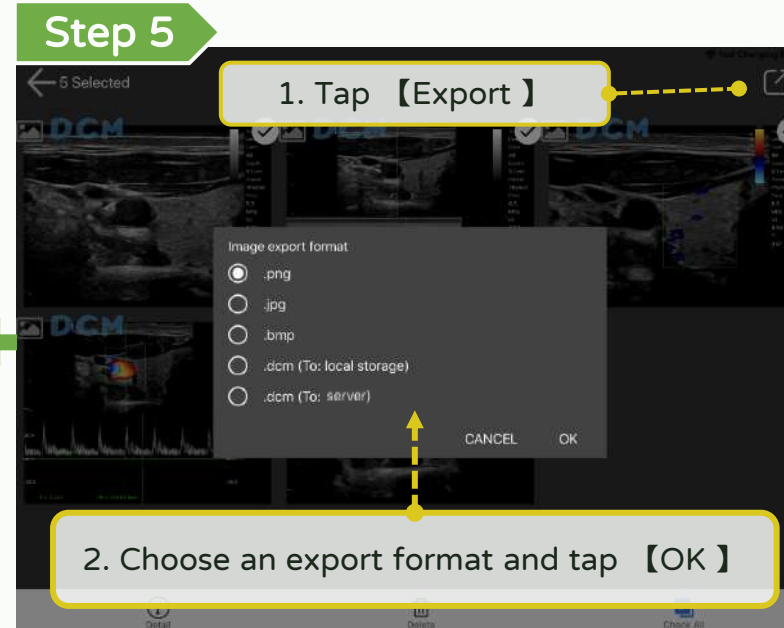
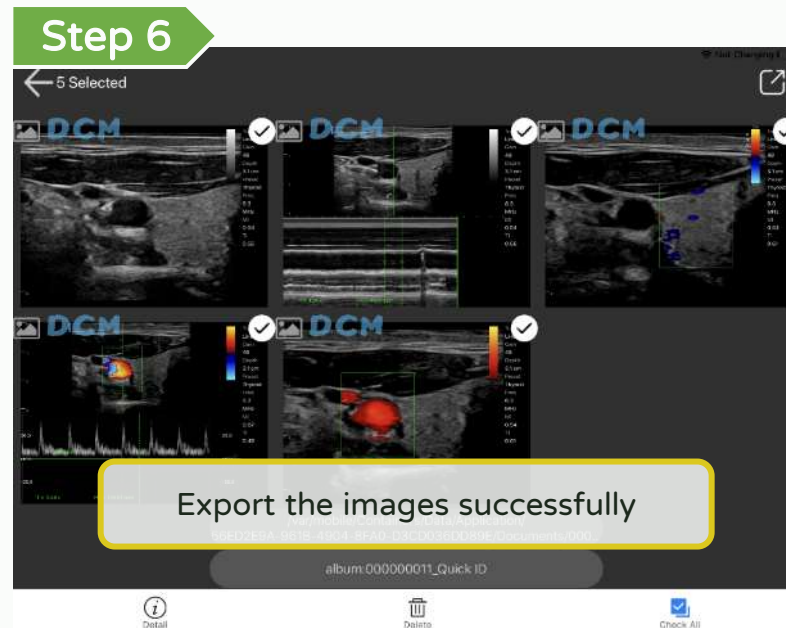
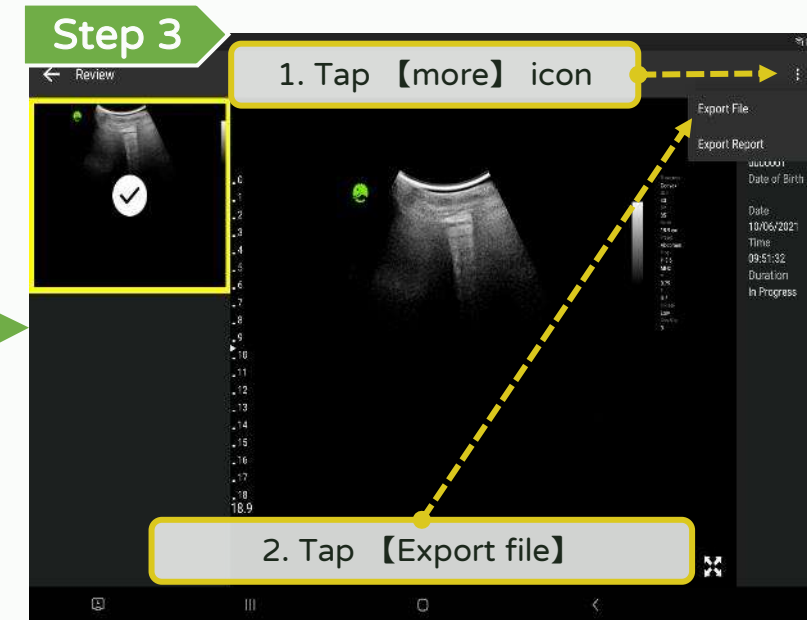
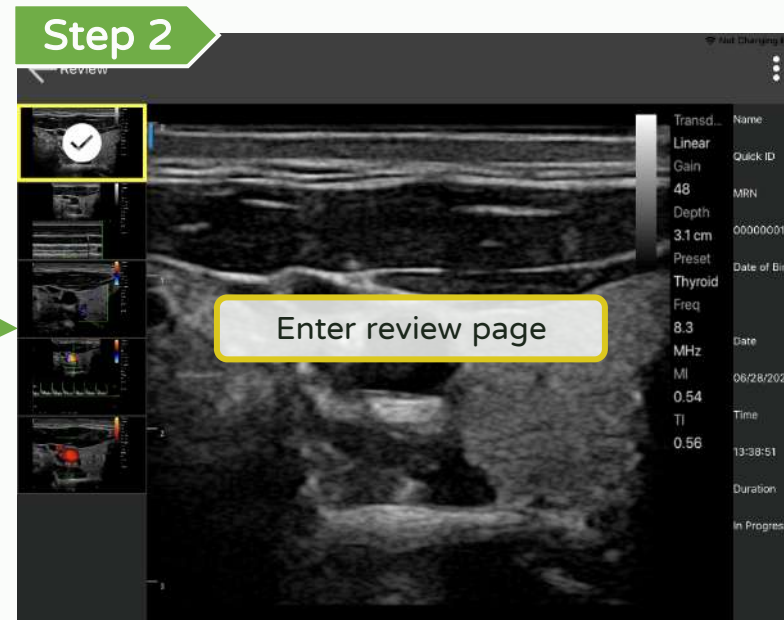
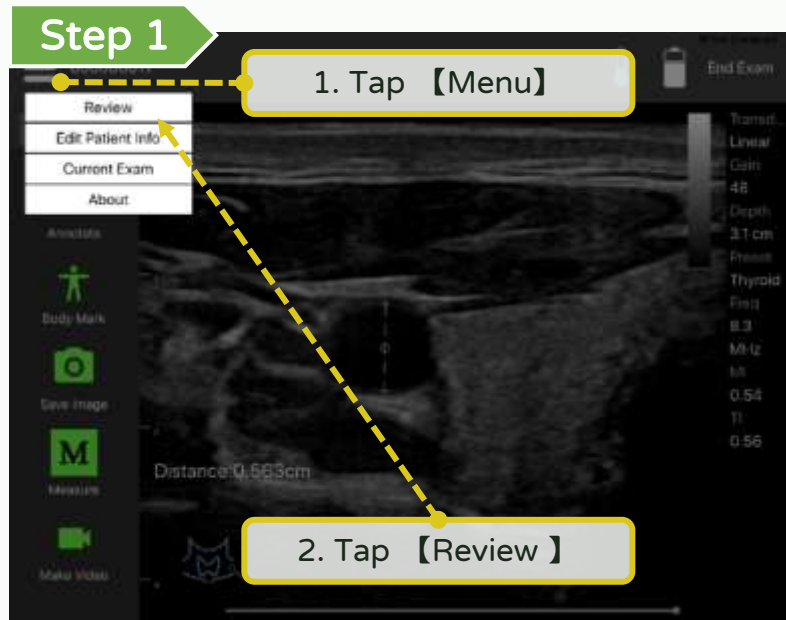
LEL TEK



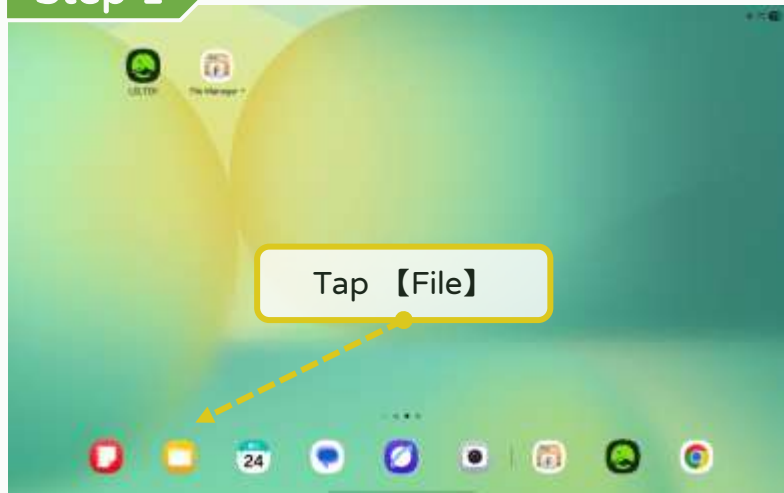


Annotate, measure and save - Export

*Please export the files regularly to avoid data loss. **LEL TEK**

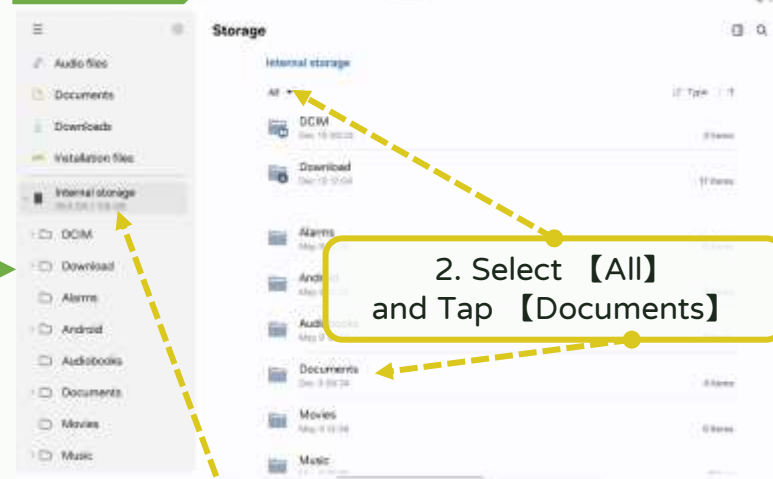


Step 1

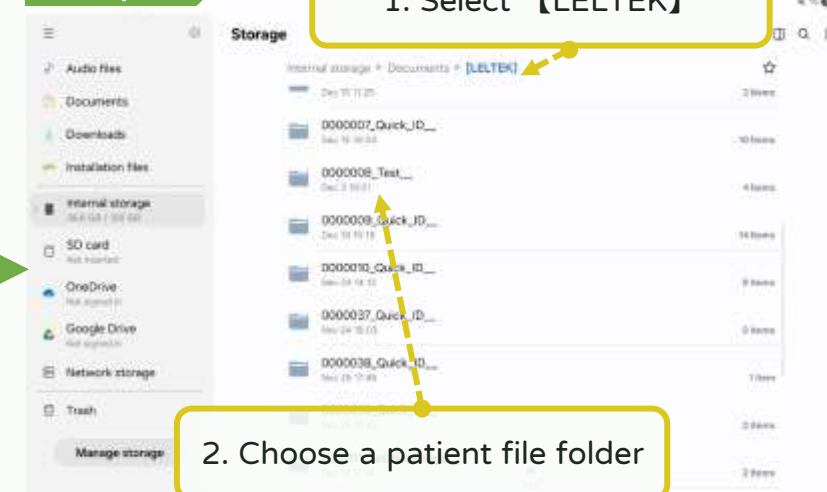


The folder where files are placed in each smart device is different, please refer to the device manual

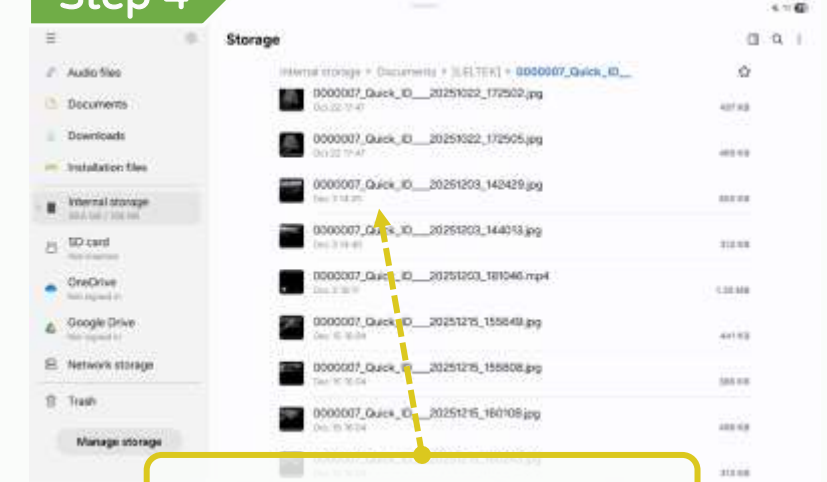
Step 2



Step 3



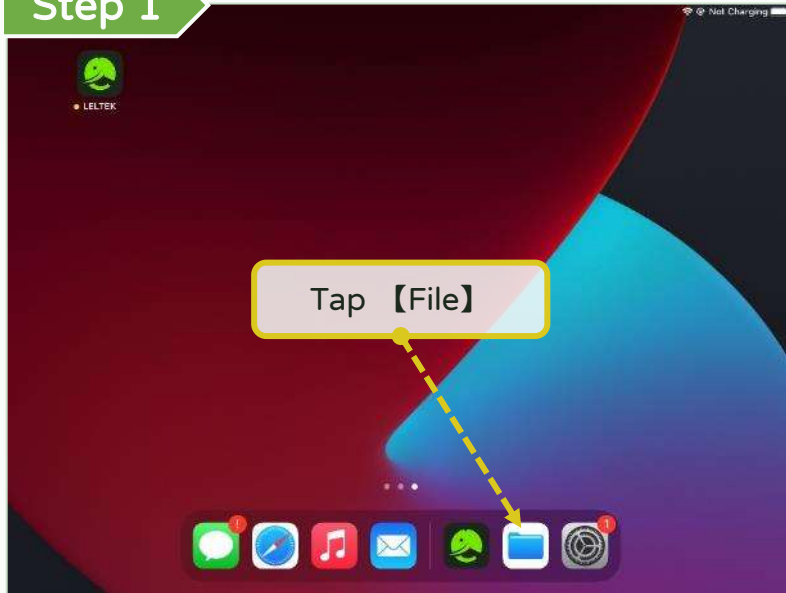
Step 4



Annotate, measure and save - Export path (iOS)

LELTEK

Step 1

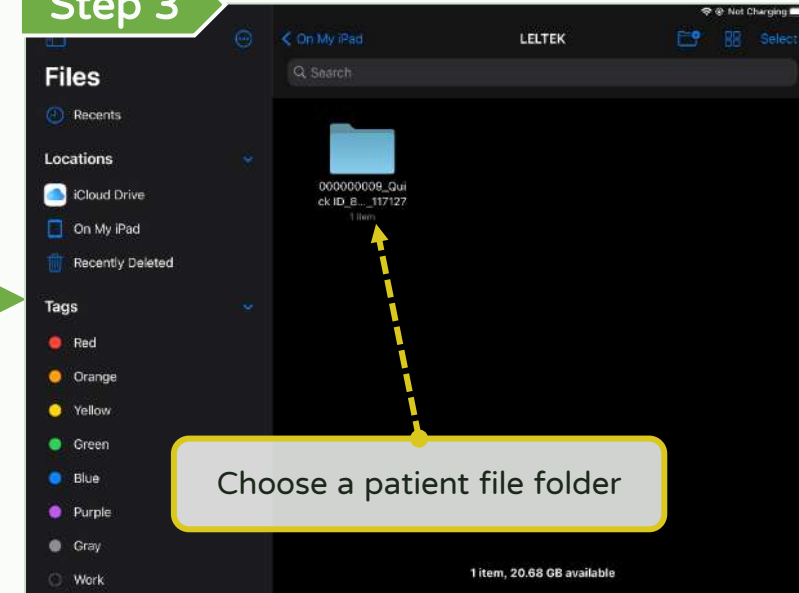


The folder where files are placed in each smart device is different, please refer to the device manual

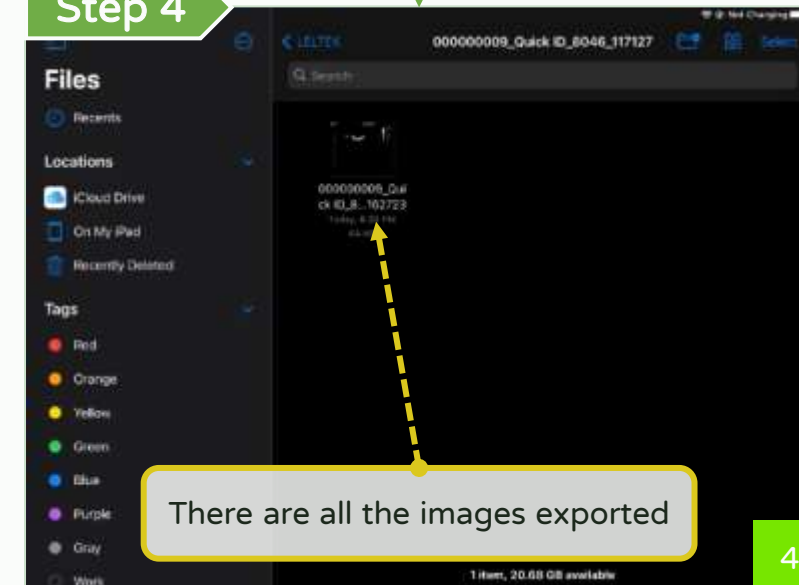
Step 2



Step 3

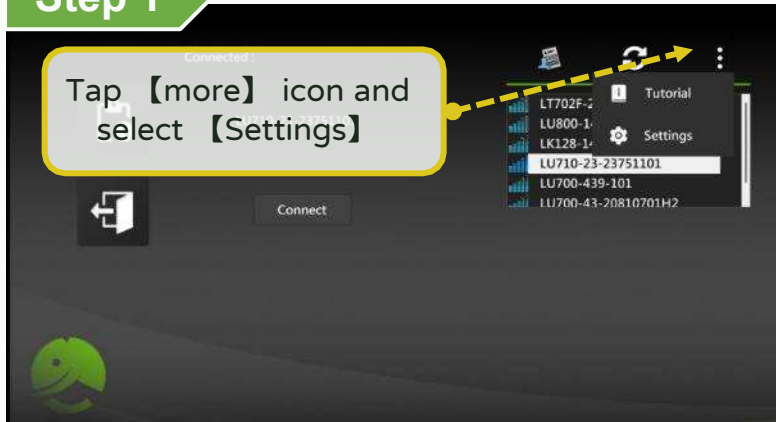


Step 4



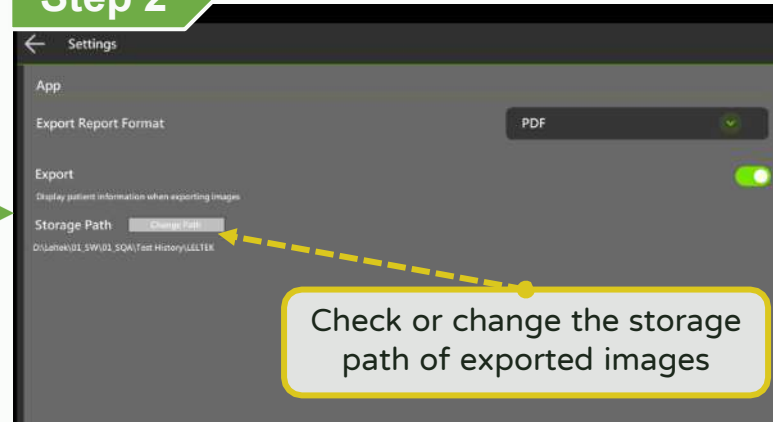
Step 1

Tap **【more】** icon and select **【Settings】**



Step 2

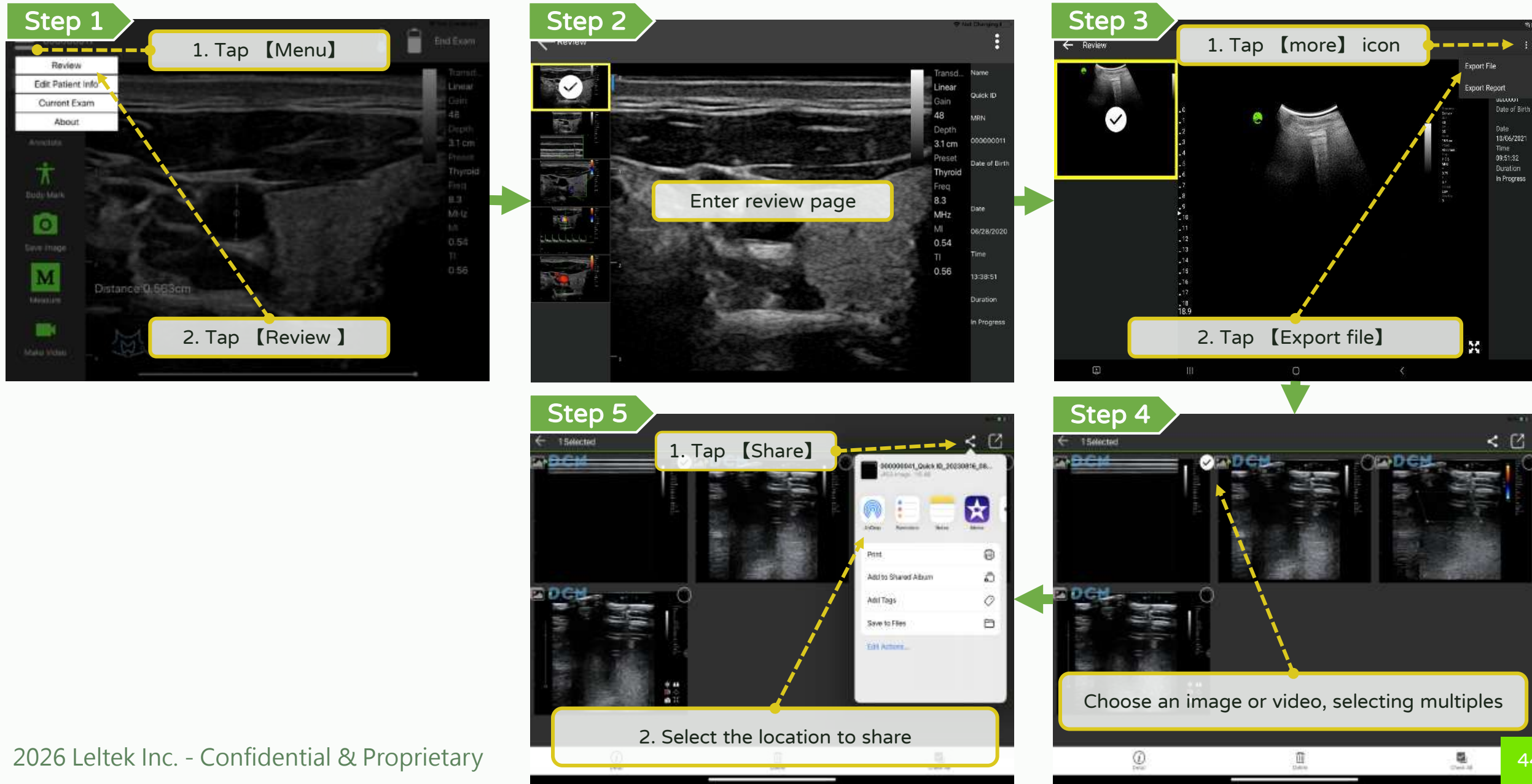
Check or change the storage path of exported images



The default path is
C:\Users\<username>\Documents\LELTEK

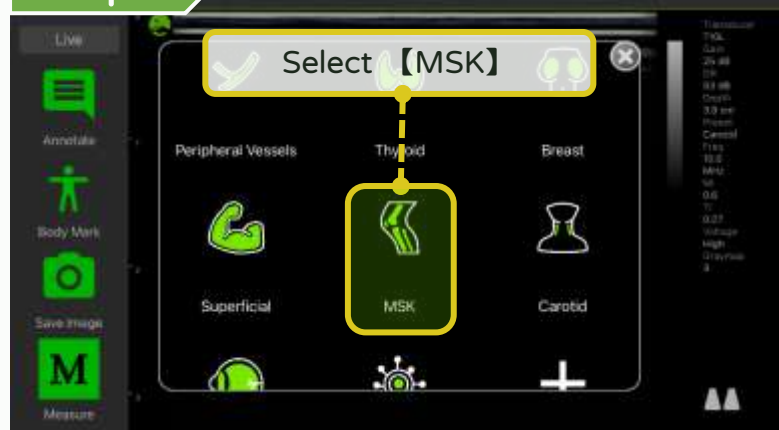
Annotate, measure and save - Share

LEL TEK



Annotate, measure and save - Auto Measure (Fat)

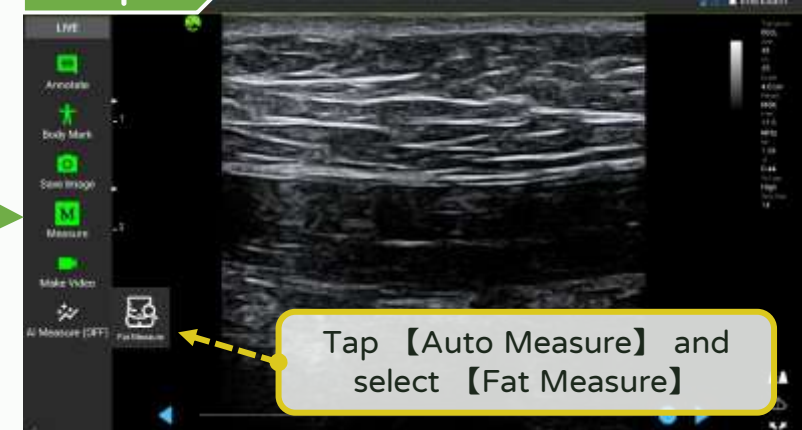
Step 1



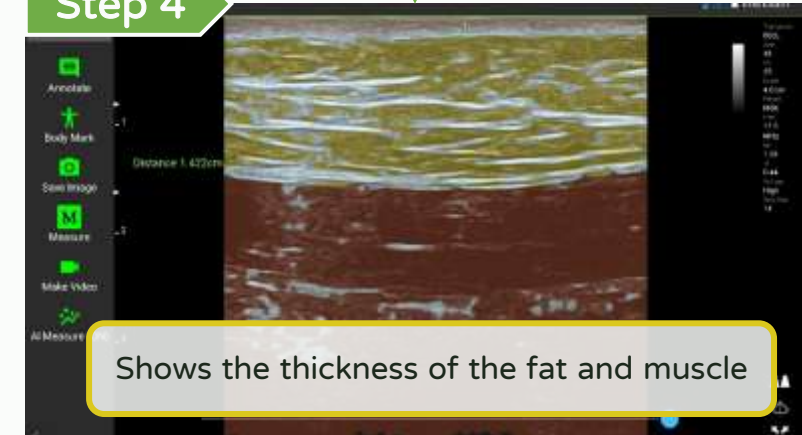
Step 2



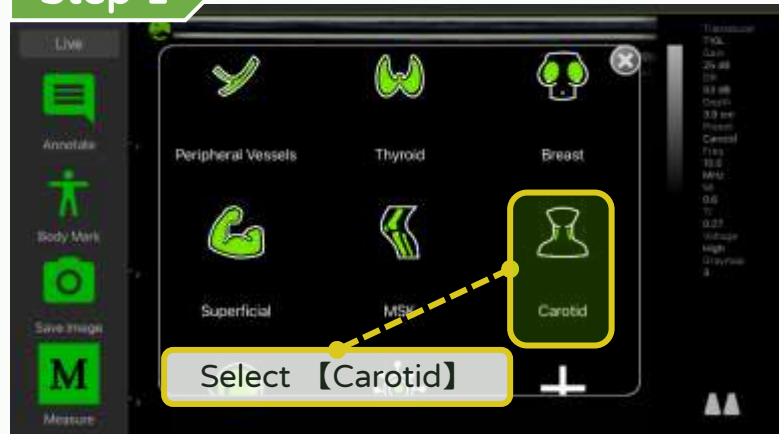
Step 3



Step 4



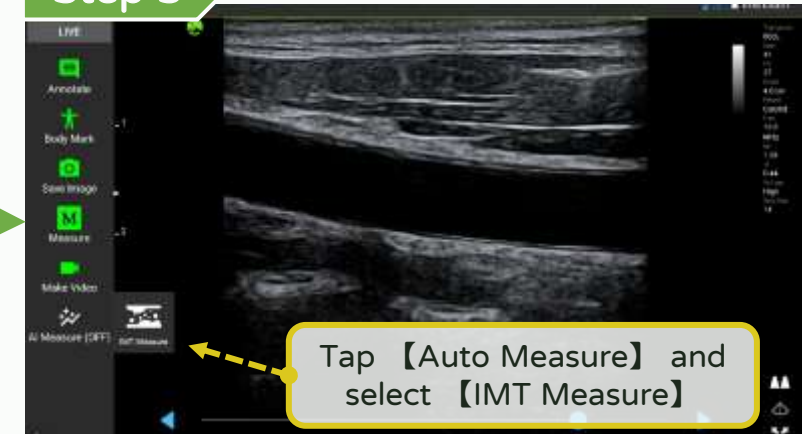
Step 1



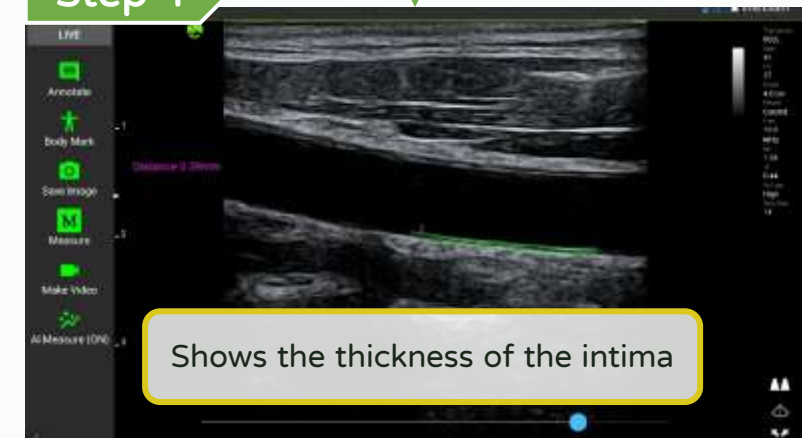
Step 2



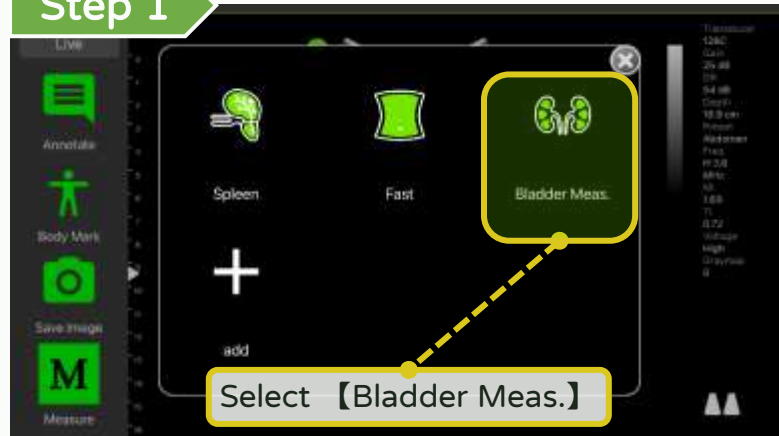
Step 3



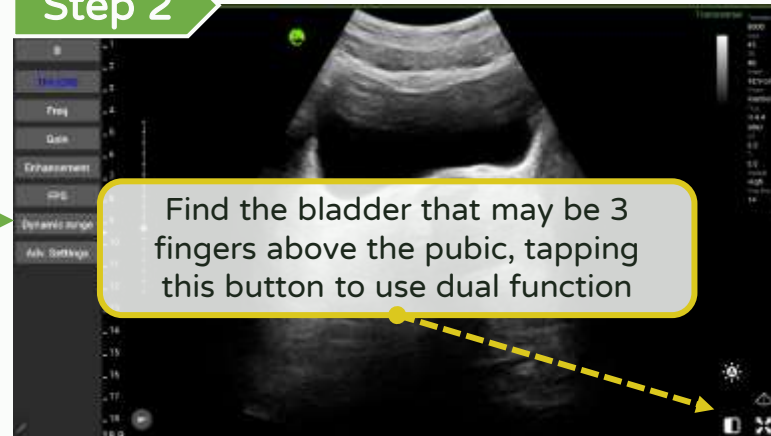
Step 4



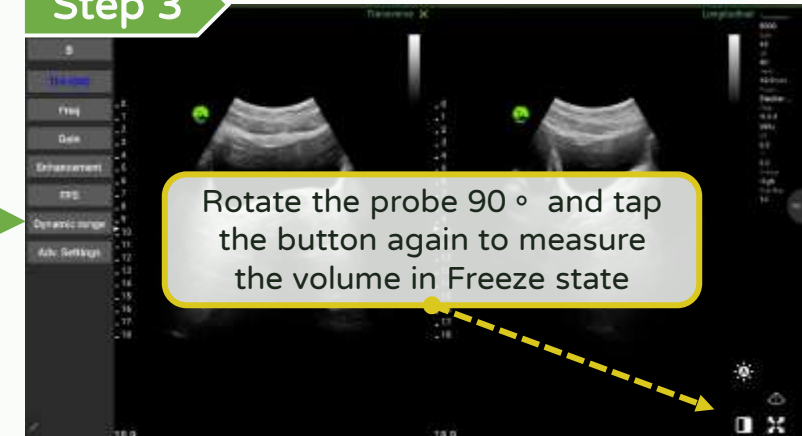
Step 1



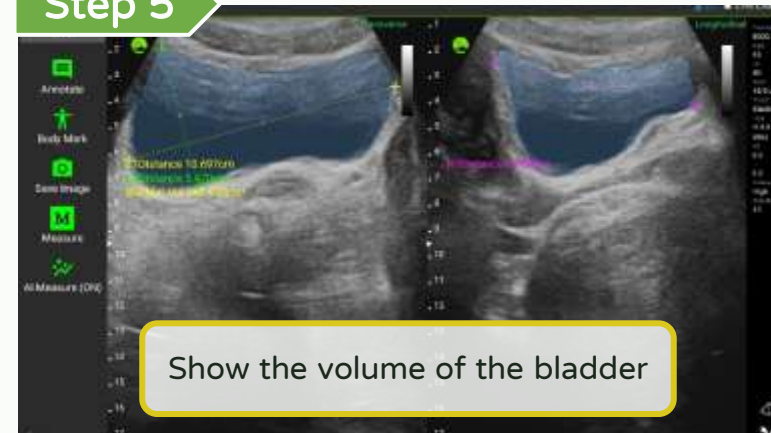
Step 2



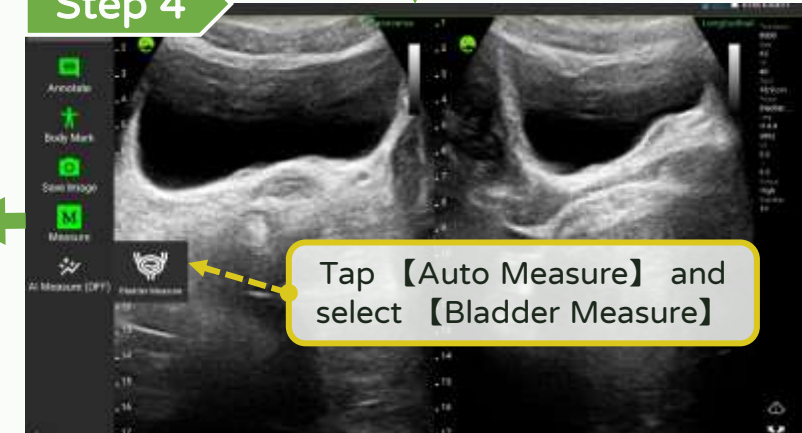
Step 3



Step 5



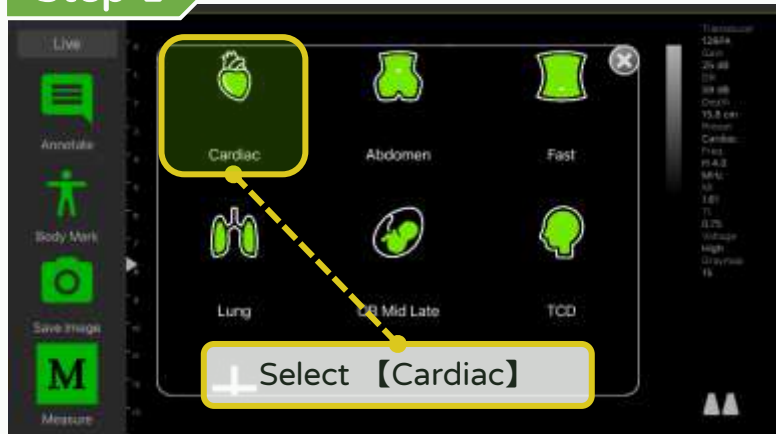
Step 4



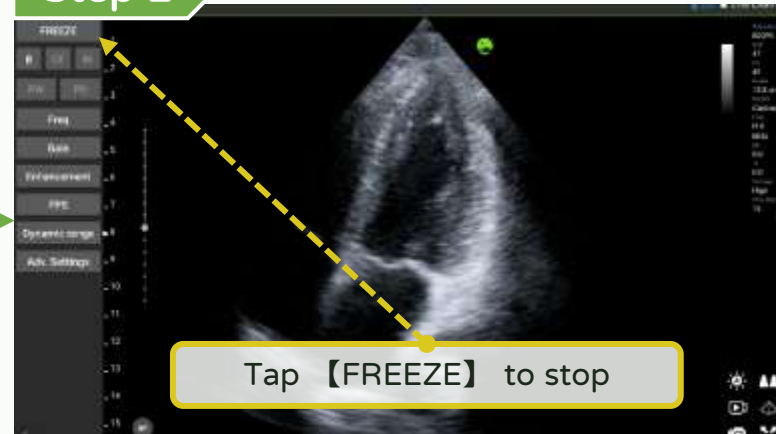
Annotate, measure and save - Auto Measure (EF)

LEL TEK

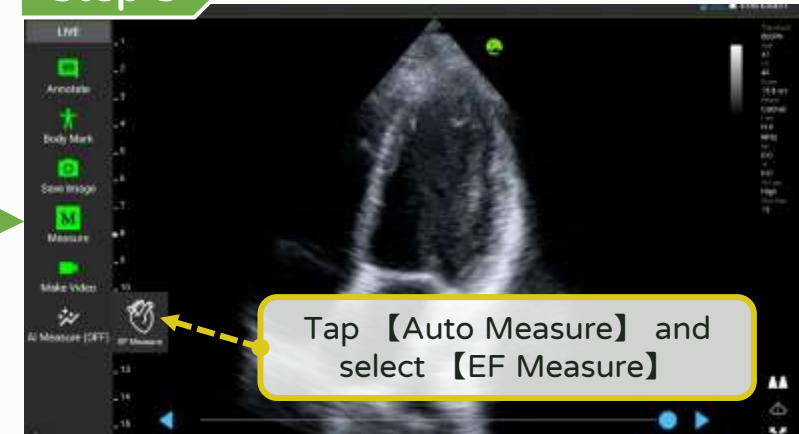
Step 1



Step 2



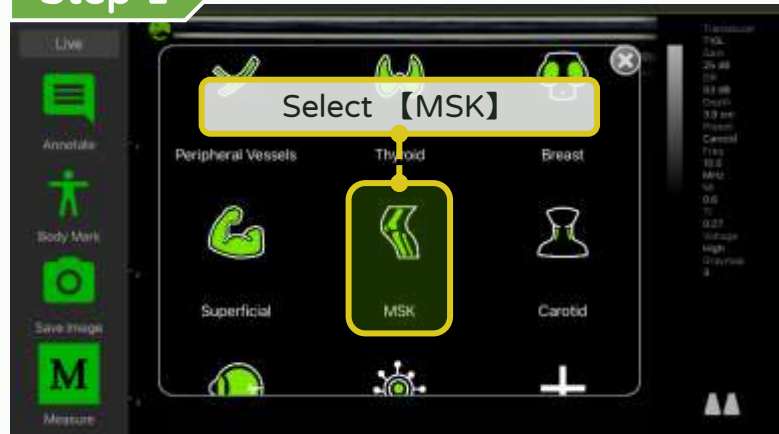
Step 3



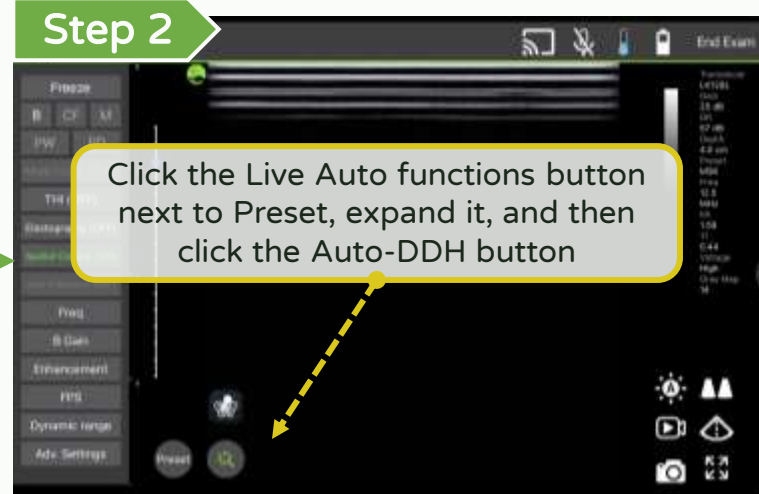
Step 4



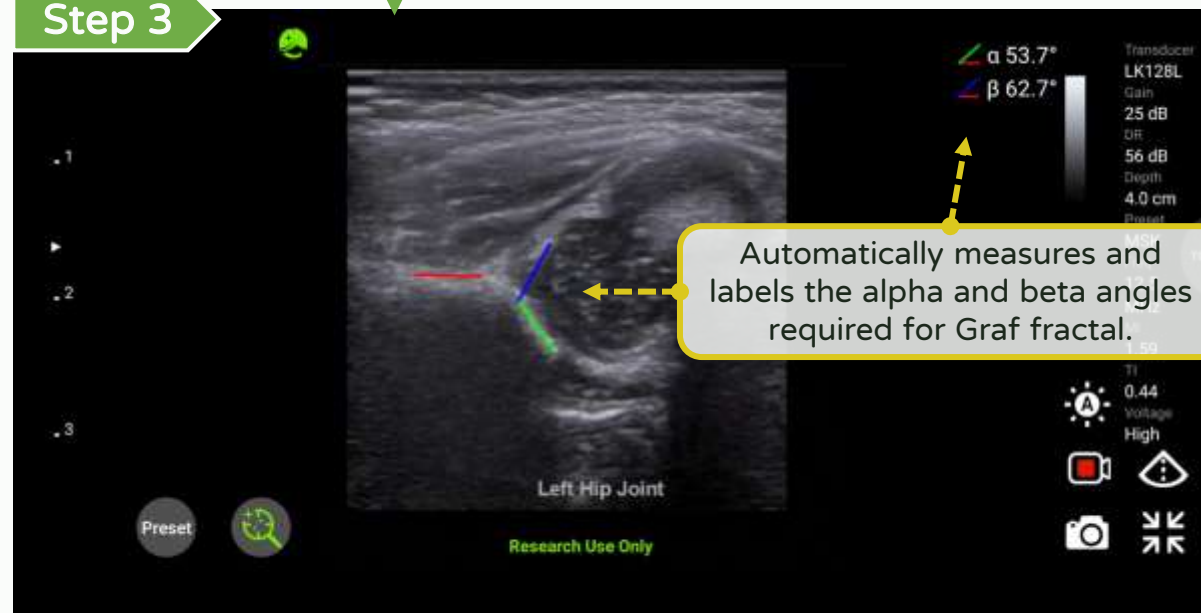
Step 1



Step 2

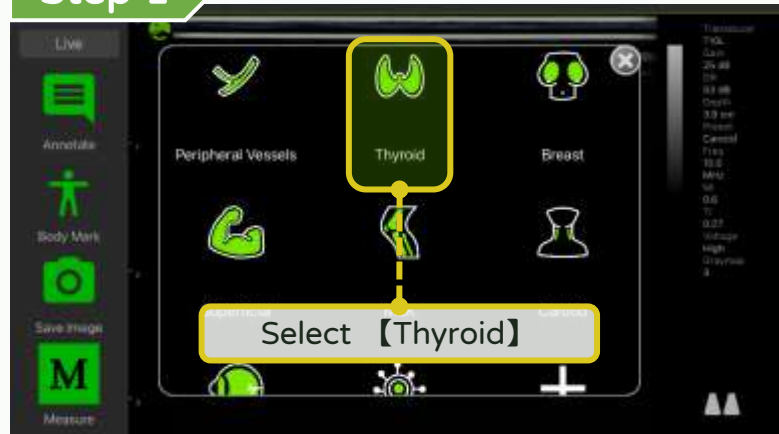


Step 3

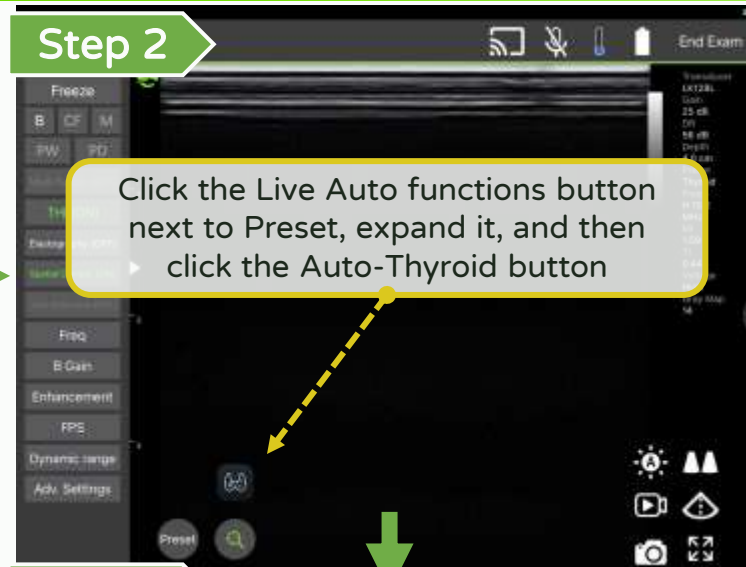


Annotate, measure and save - Auto Annotation (Thyroid) LELTEK

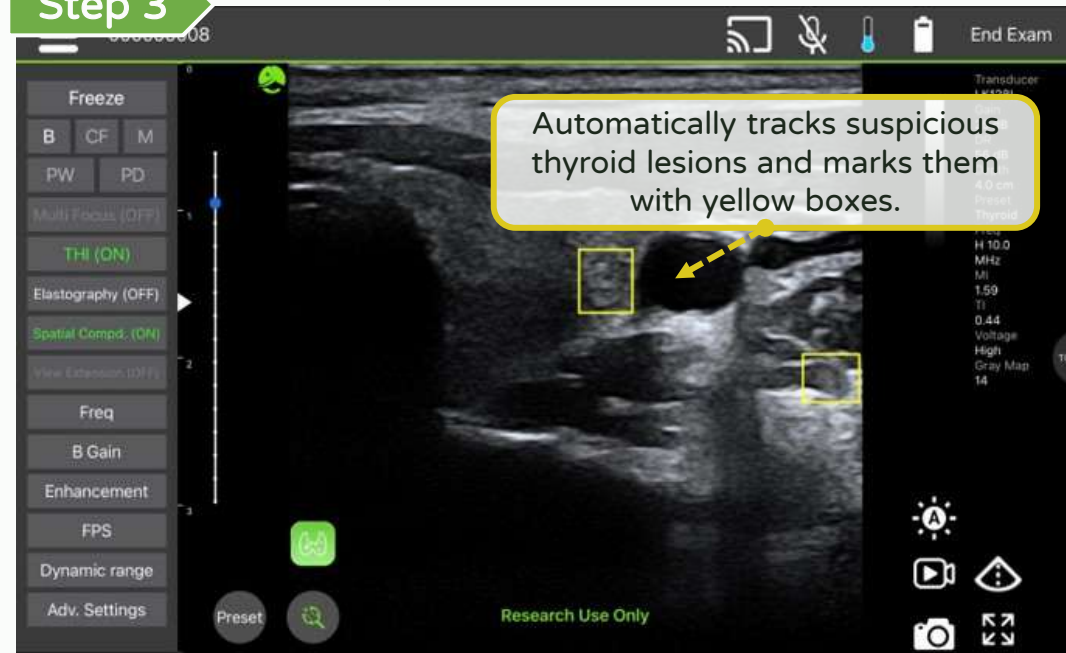
Step 1



Step 2

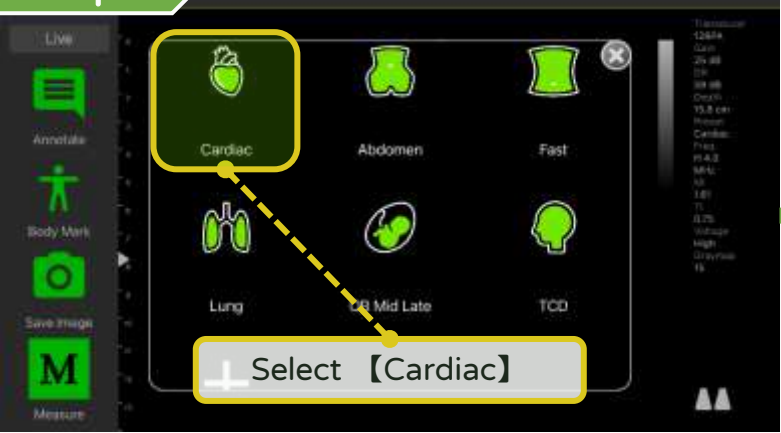


Step 3



Annotate, measure and save - Auto Annotation (Cardiac EF) **LEL TEK**

Step 1



Live

Cardiac

Abdomen

Fast

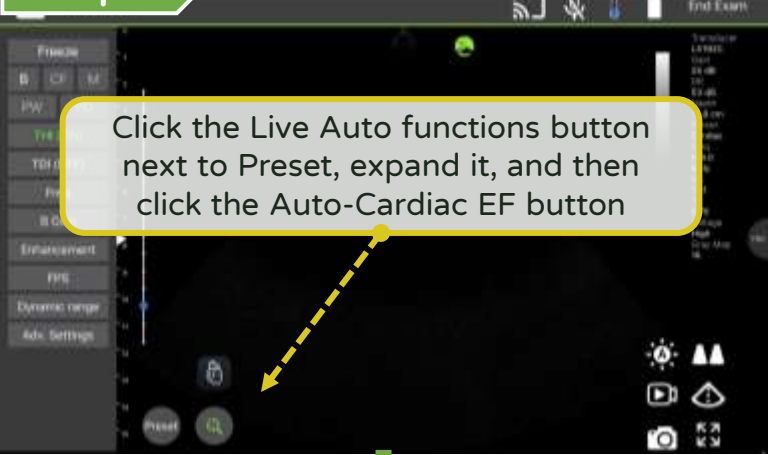
Lung

OB Mid Late

TCD

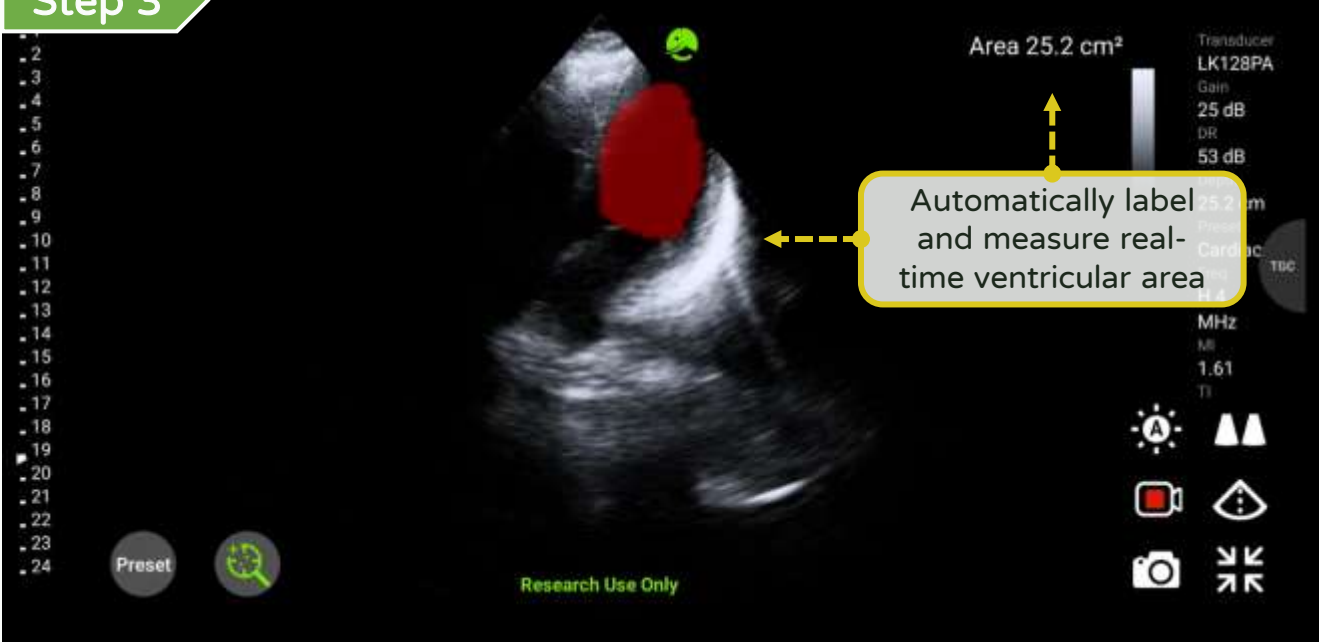
Select **【Cardiac】**

Step 2



Click the Live Auto functions button next to Preset, expand it, and then click the Auto-Cardiac EF button

Step 3



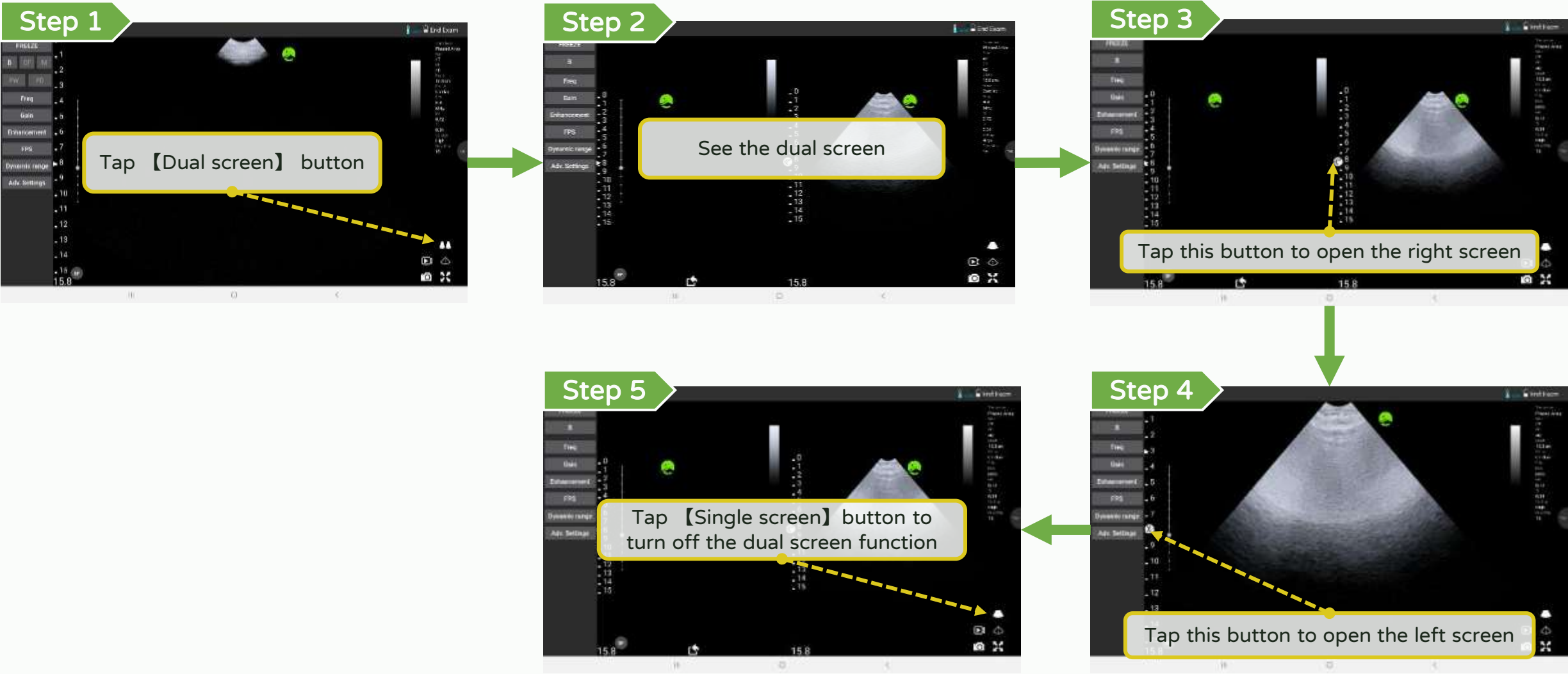
Area 25.2 cm²

Automatically label and measure real-time ventricular area

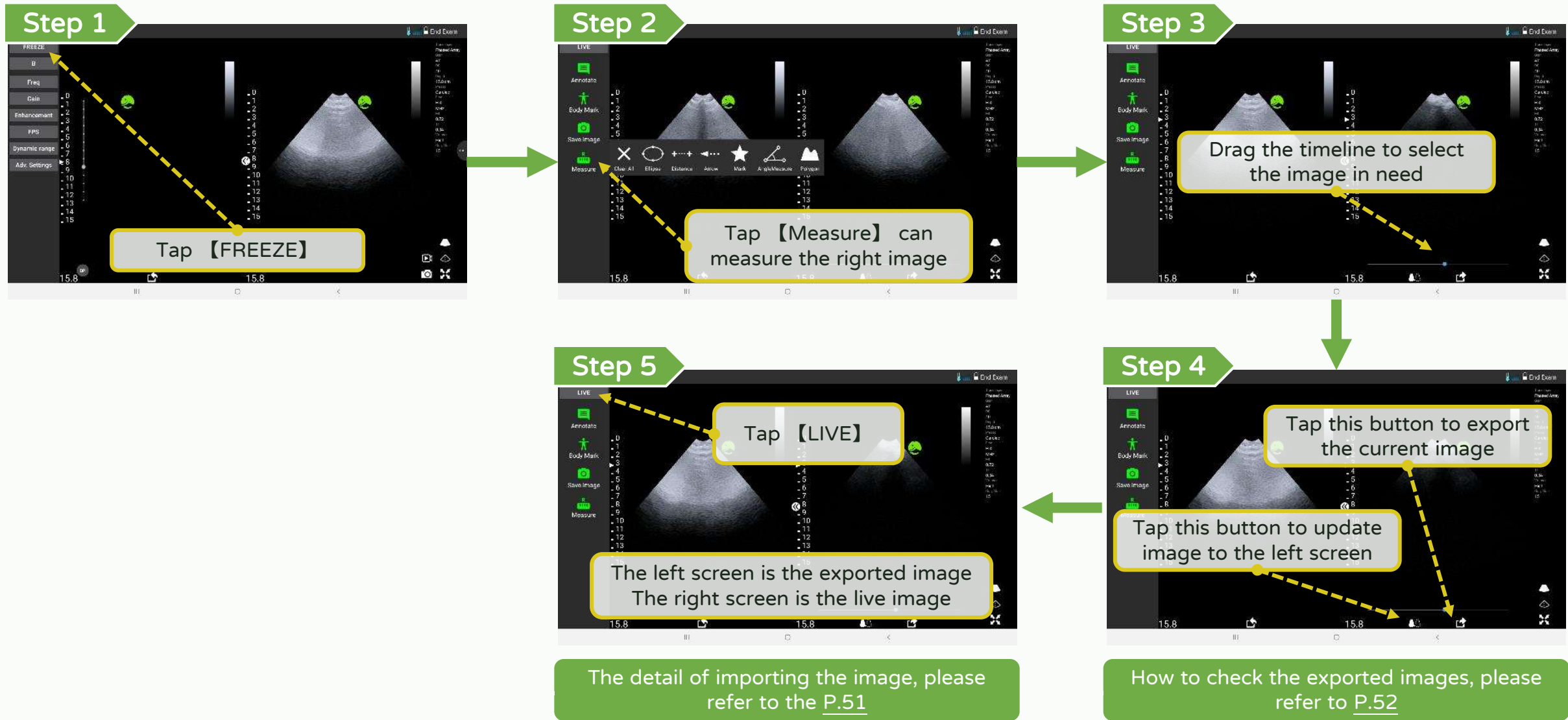
Research Use Only

【Dual screen】

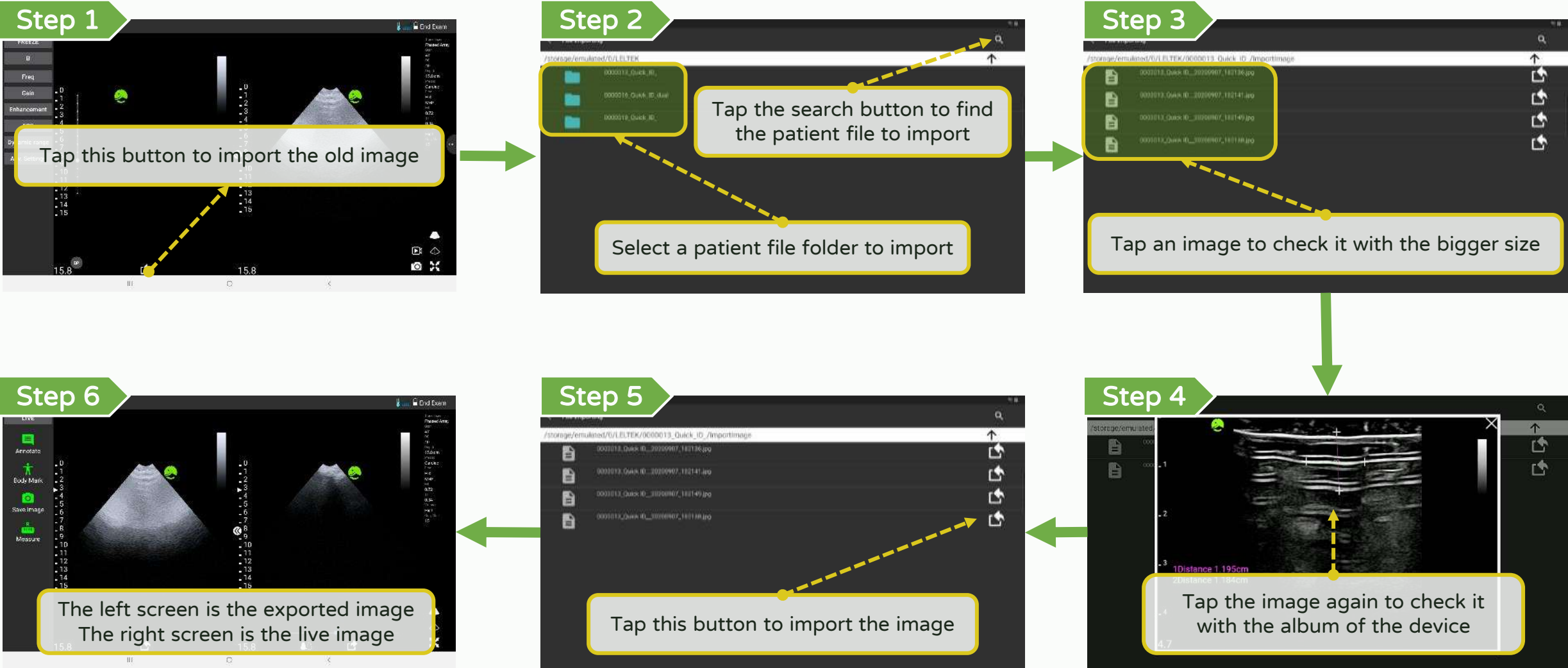
Dual Screen - Turn on / off



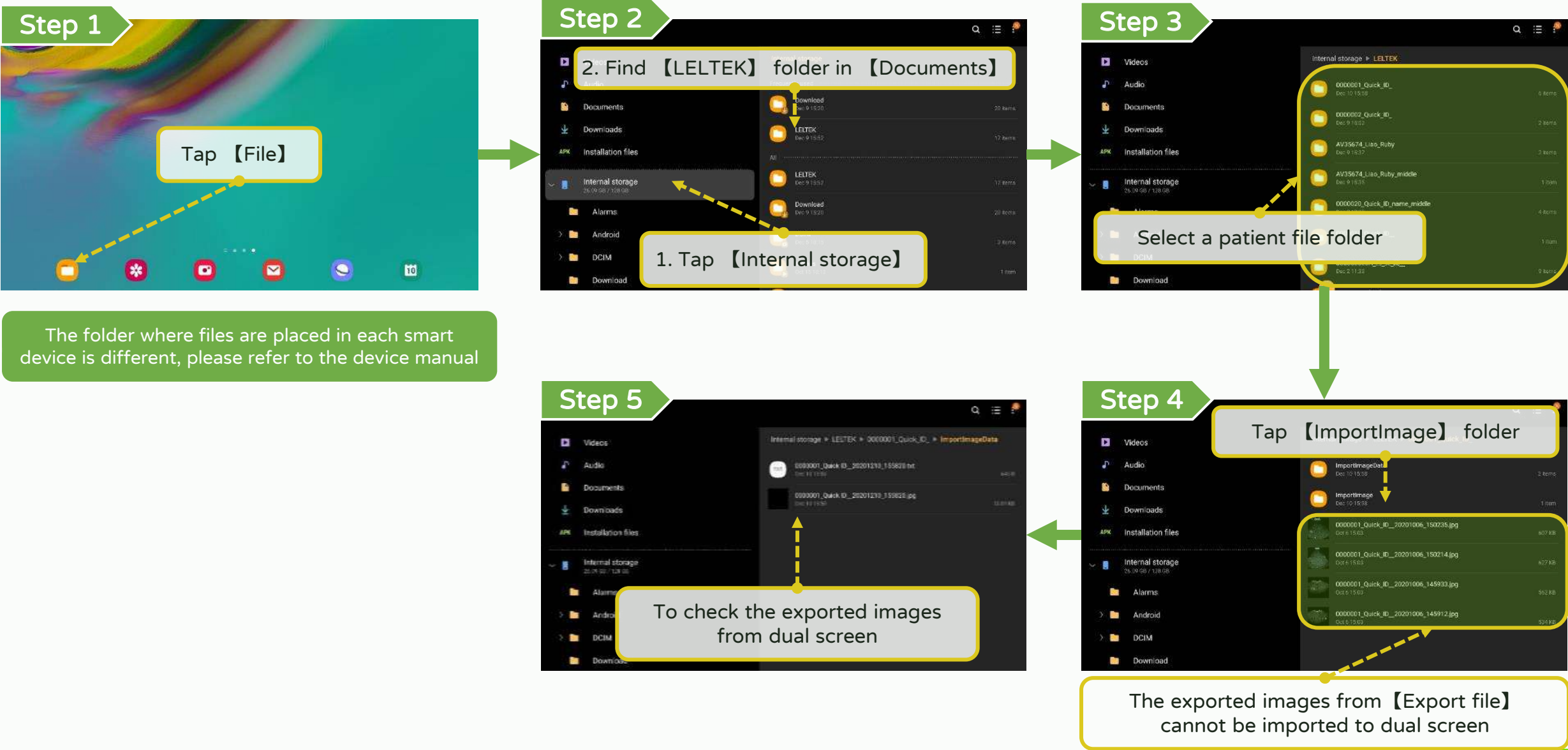
Dual Screen - Measure and export the current image



Dual Screen - Import the old image

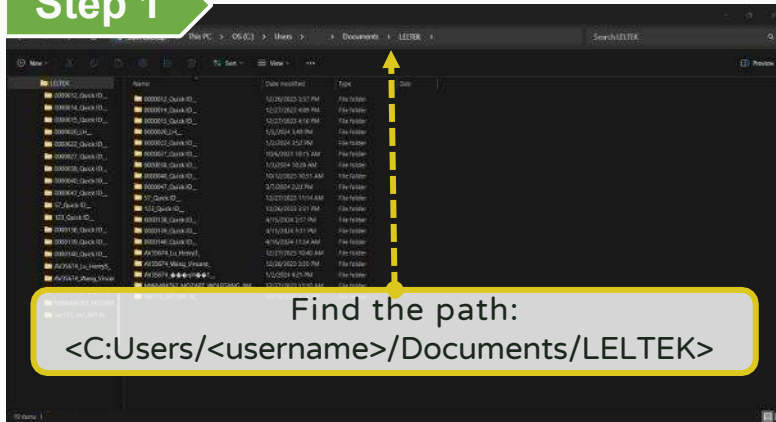


Dual Screen - Check the image exported (Android/iOS)



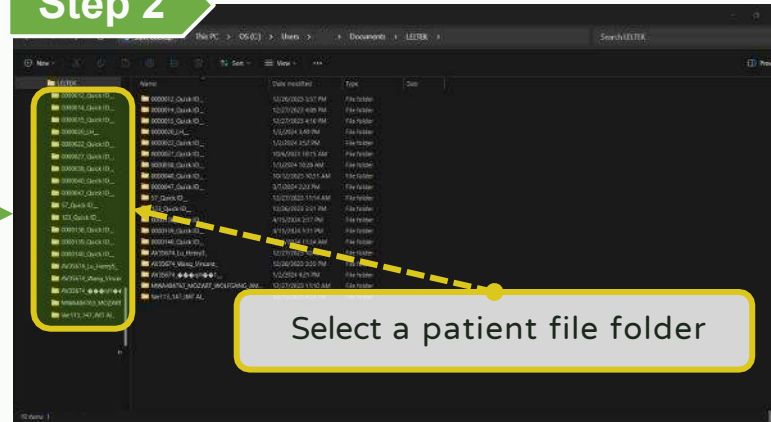
Dual Screen - Check the image exported (Windows)

Step 1

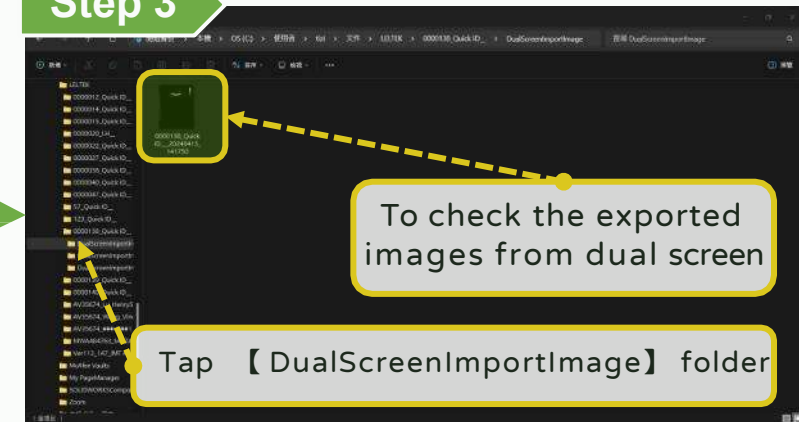


Here is the system default path. It will be different. If you have changed it in the app settings.

Step 2



Step 3



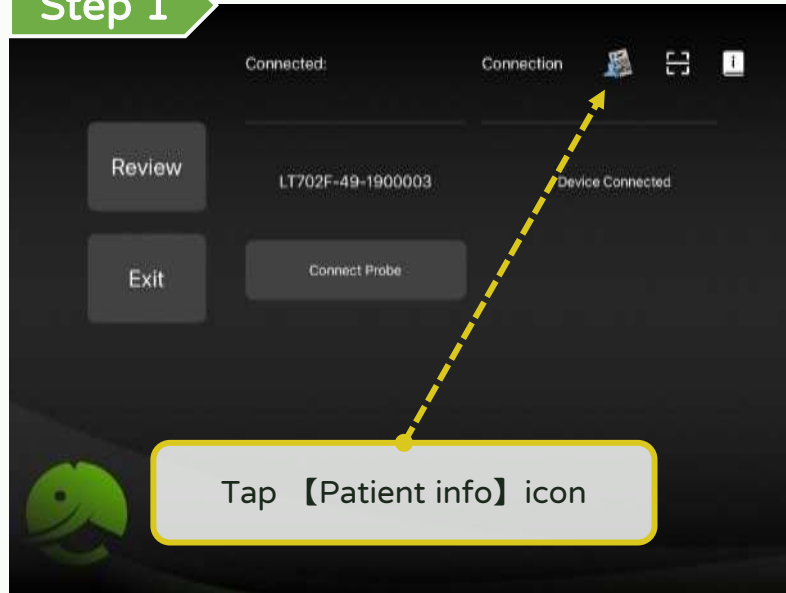
The exported images from 【Export file】 cannot be imported to dual screen

【 DICOM support 】

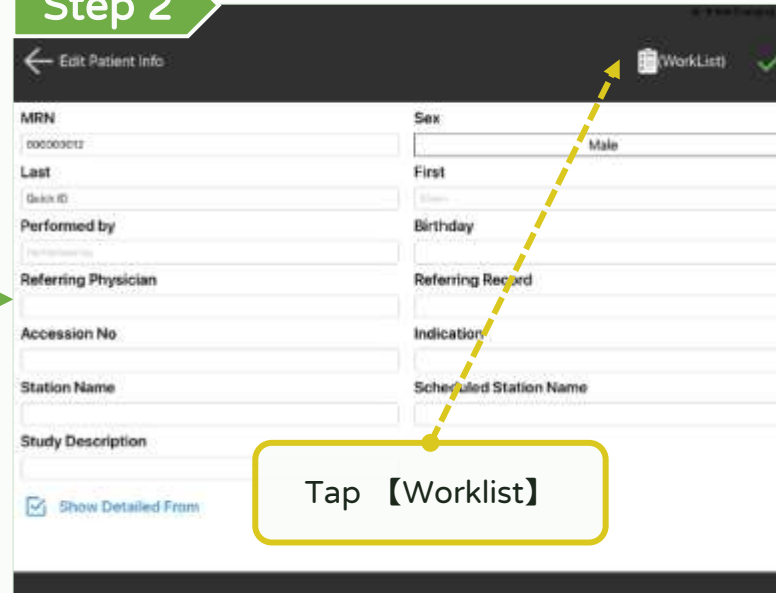
DICOM support - Download worklist (1/2)

LEL TEK

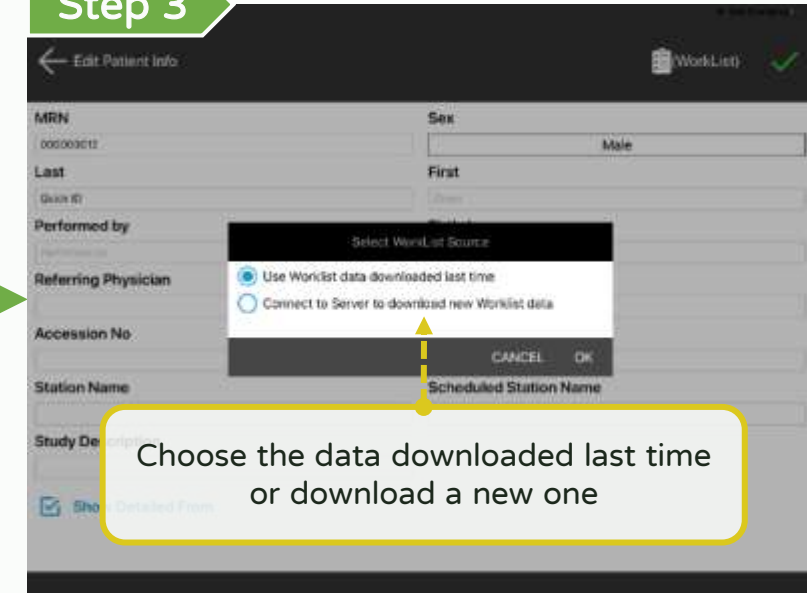
Step 1



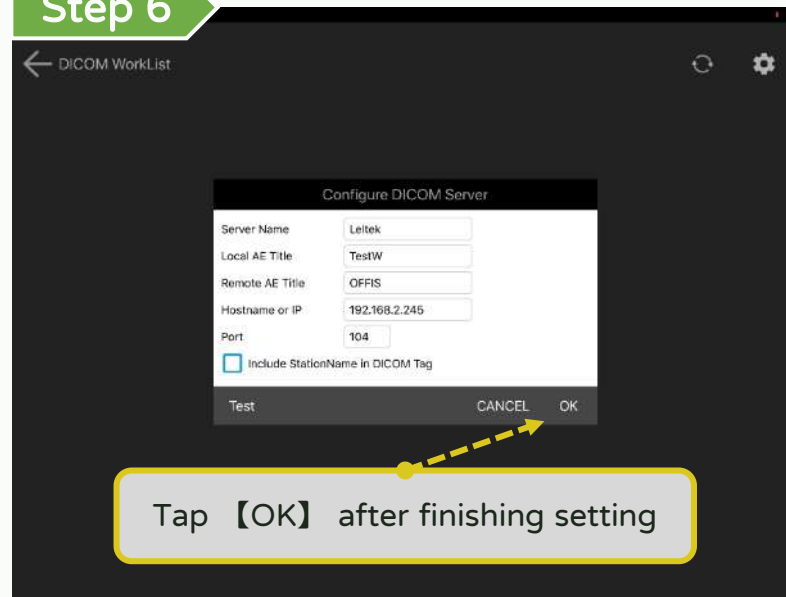
Step 2



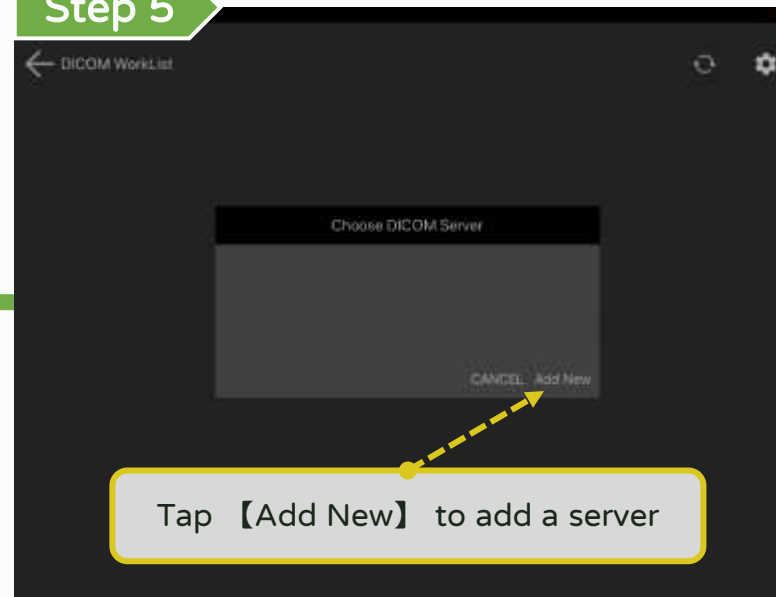
Step 3



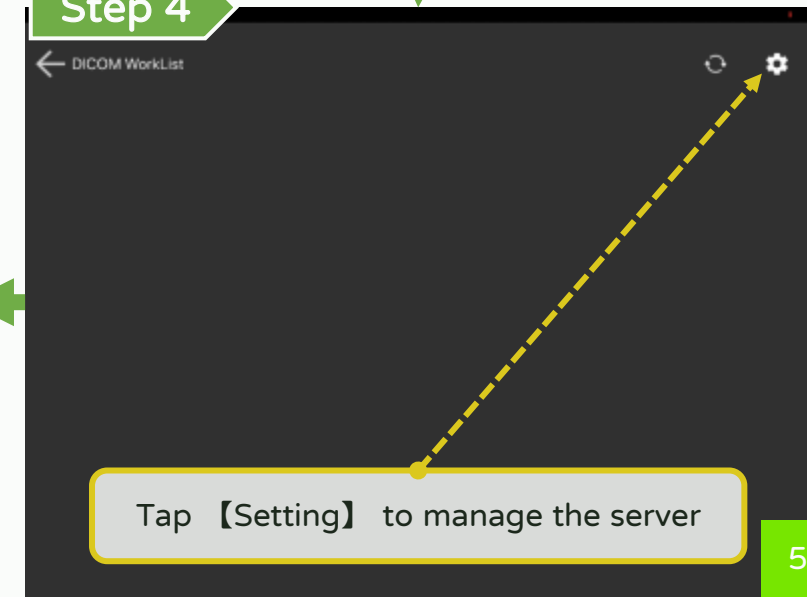
Step 6



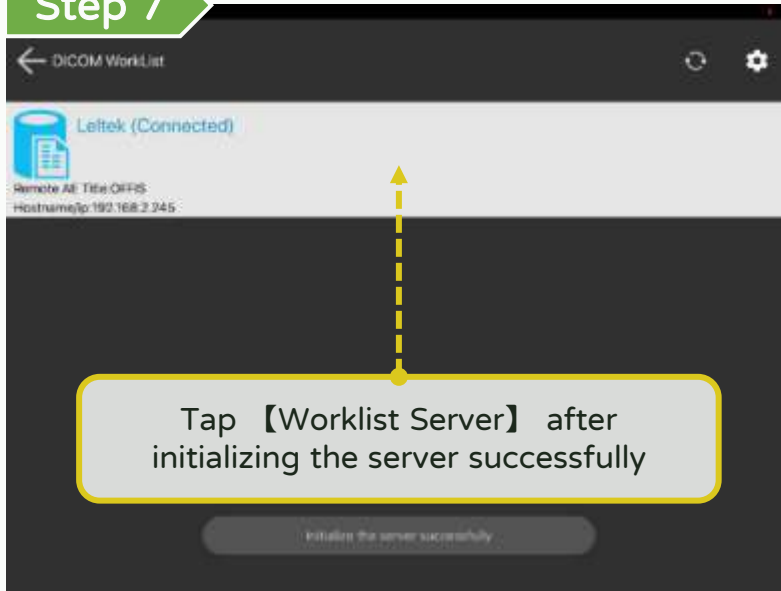
Step 5



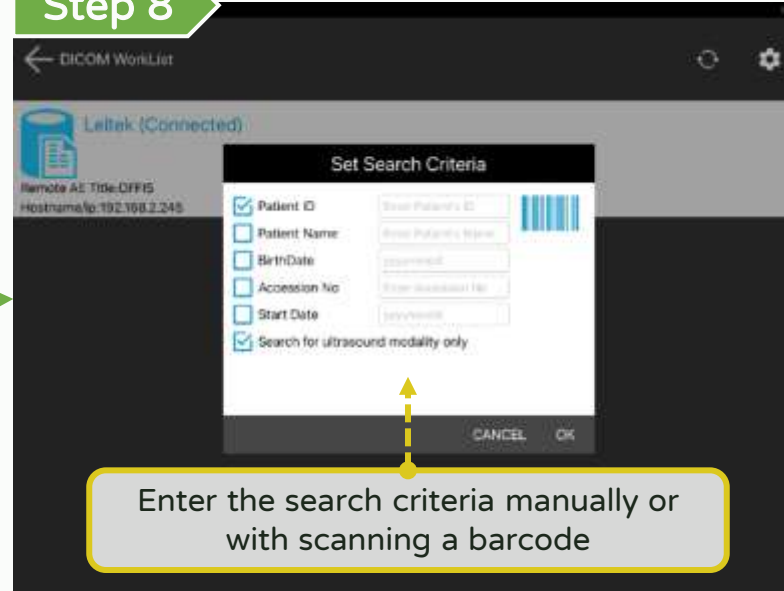
Step 4



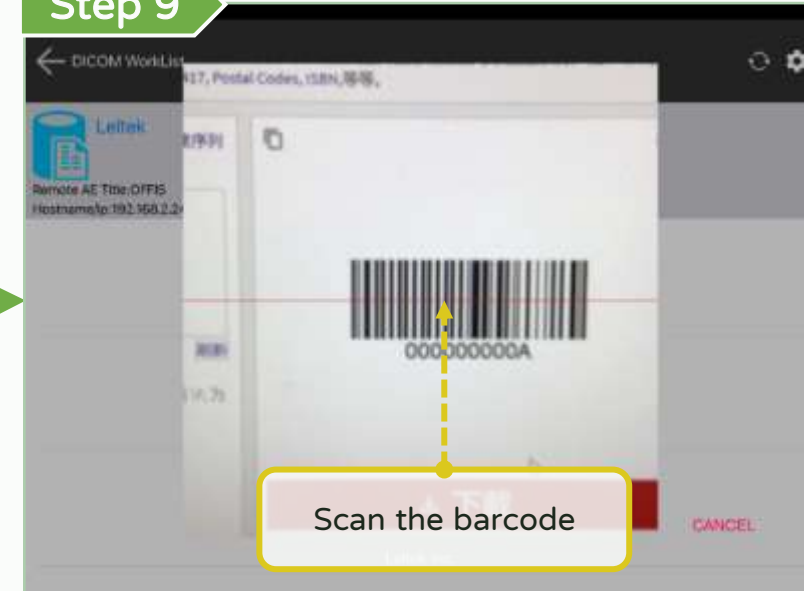
Step 7



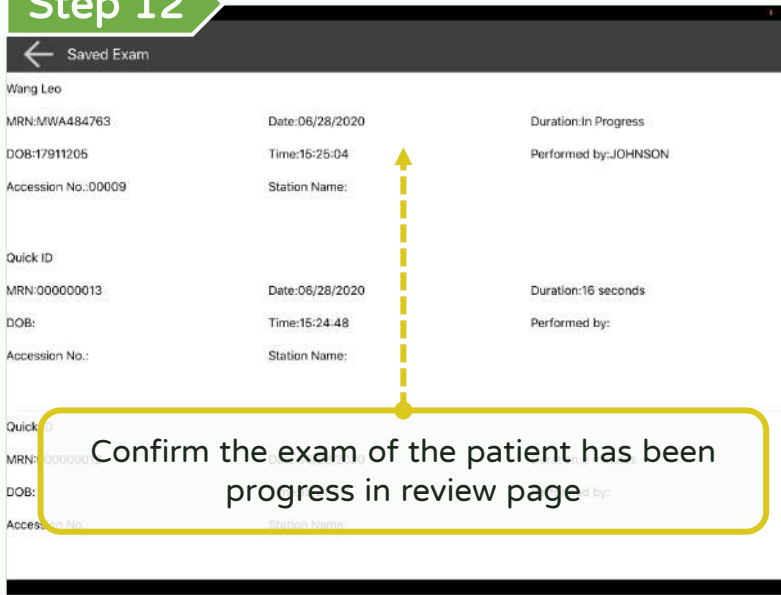
Step 8



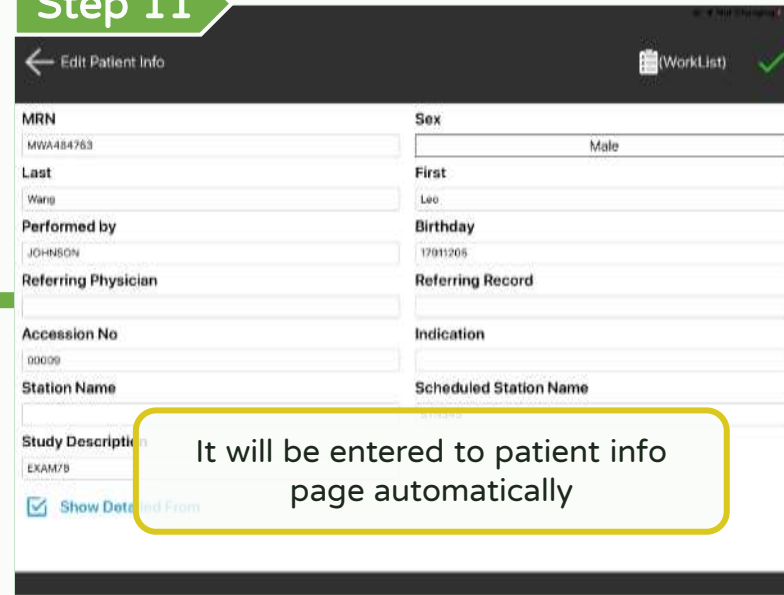
Step 9



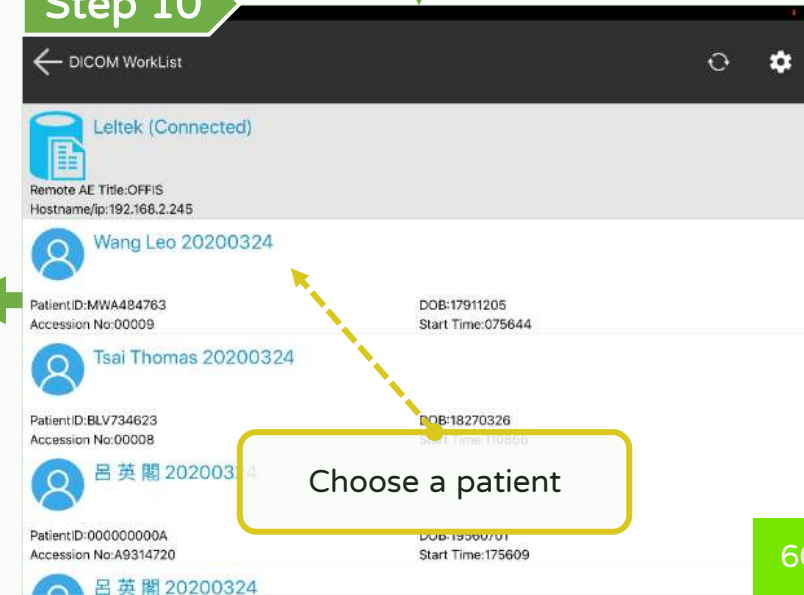
Step 12



Step 11

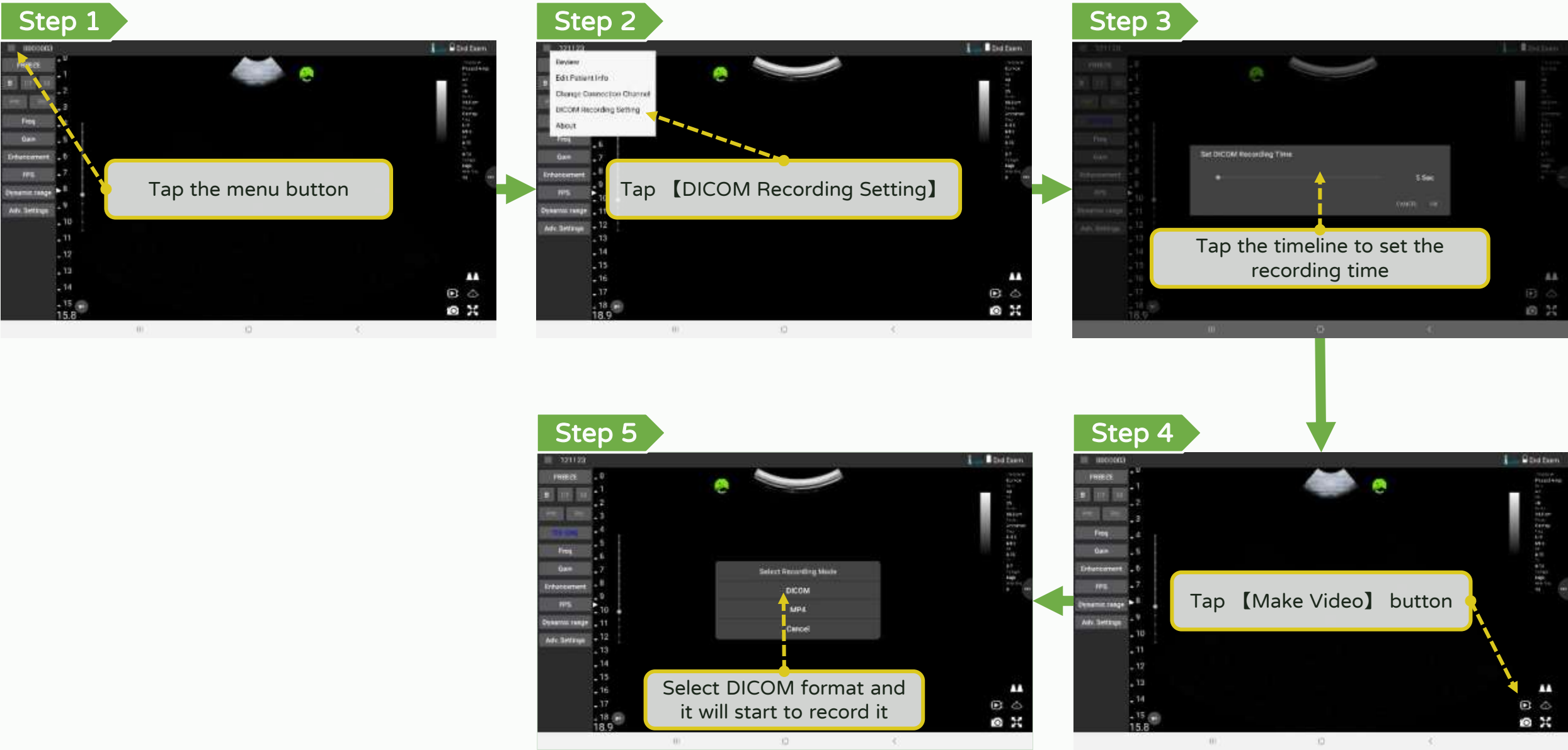


Step 10



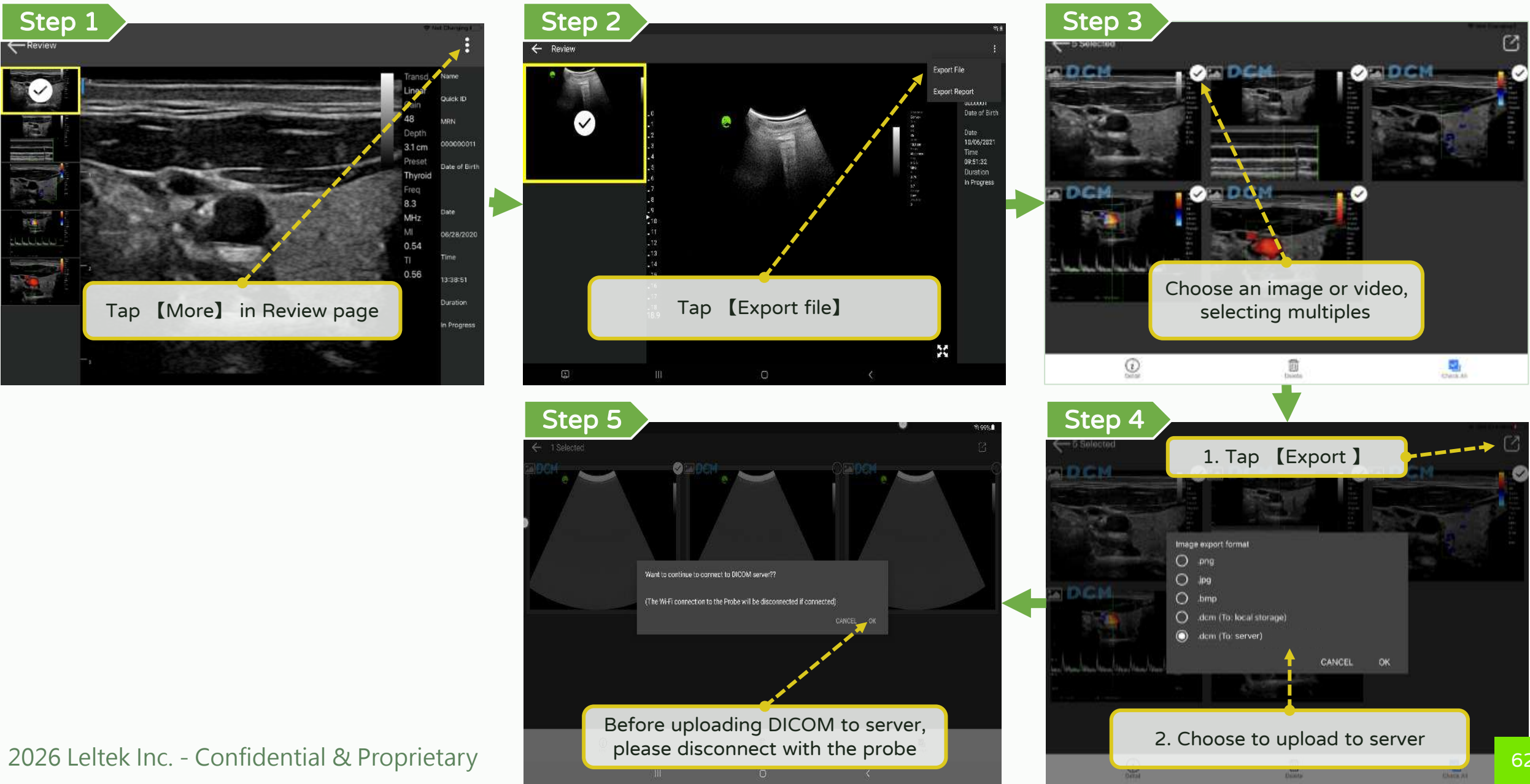
DICOM support - Make multi-frame DICOM

*Optional function **LEL TEK**



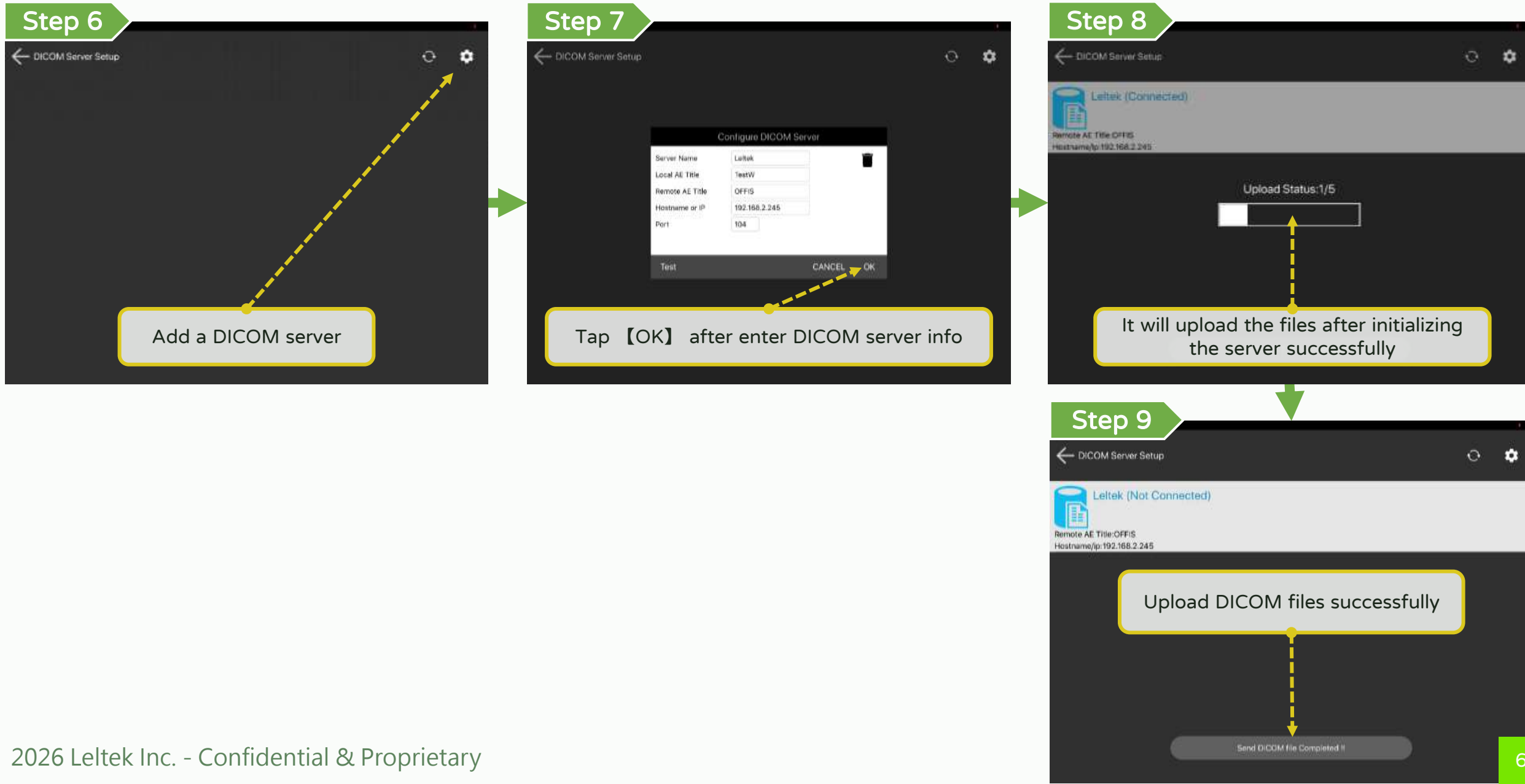
DICOM support - Upload DICOM file (1/2)

*Optional function **LEL TEK**



DICOM support - Upload DICOM file (2/2)

*Optional function **LEL TEK**



DICOM support – Fast DICOM file upload

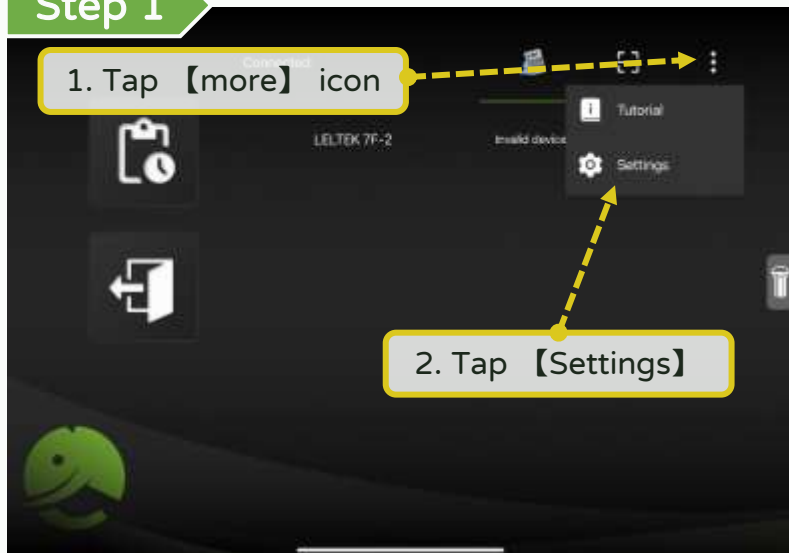
*Optional function **LEL TEK**



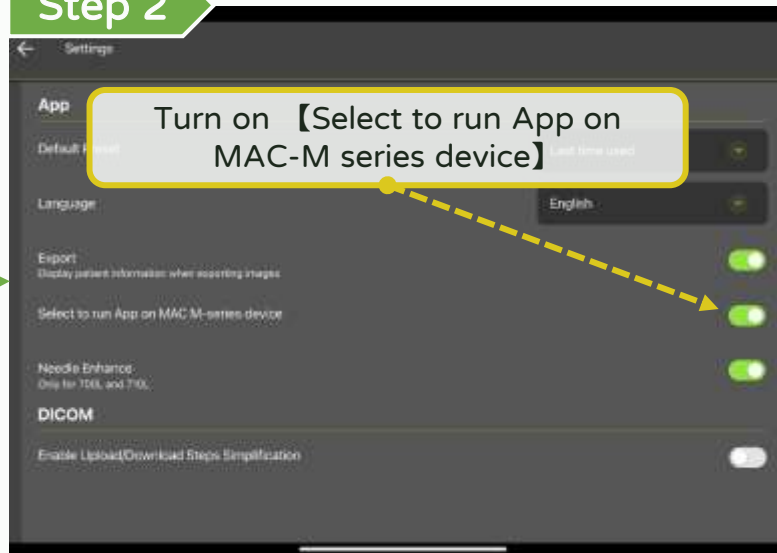
【 Run App on MAC M-series device】

Run App on MAC M-series device

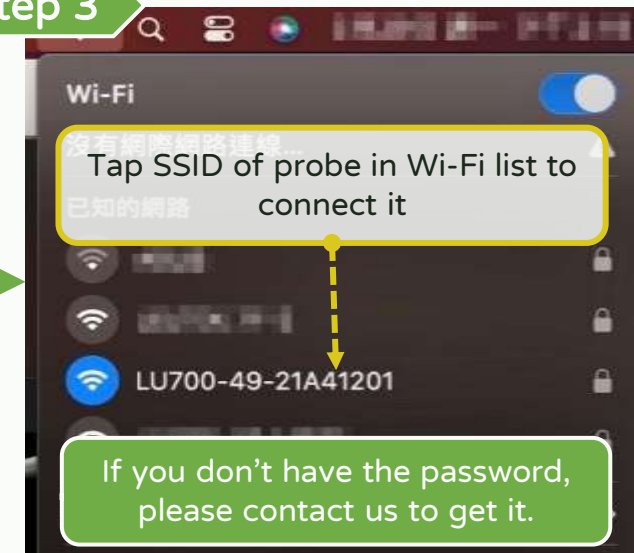
Step 1



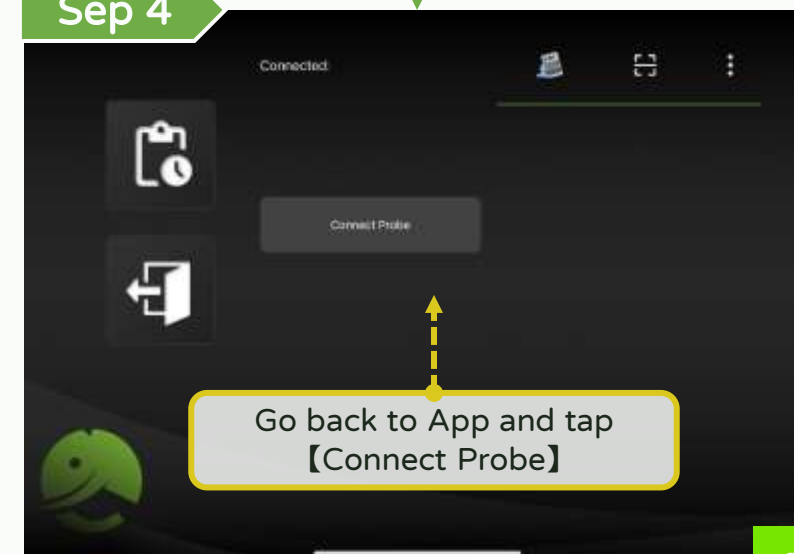
Step 2



Step 3



Sep 4

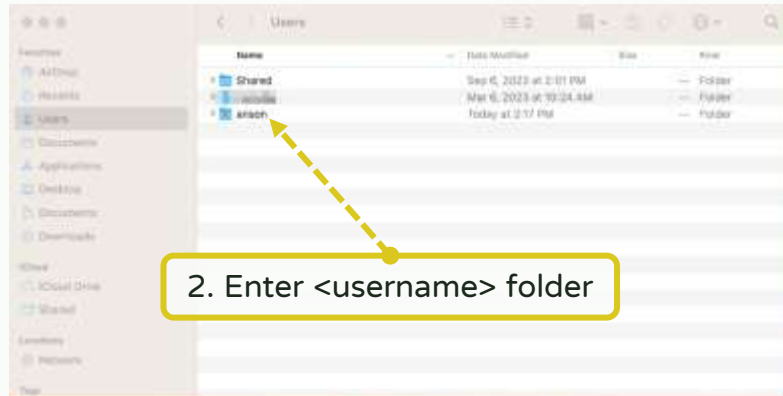


Find the images exported on MAC M-series device

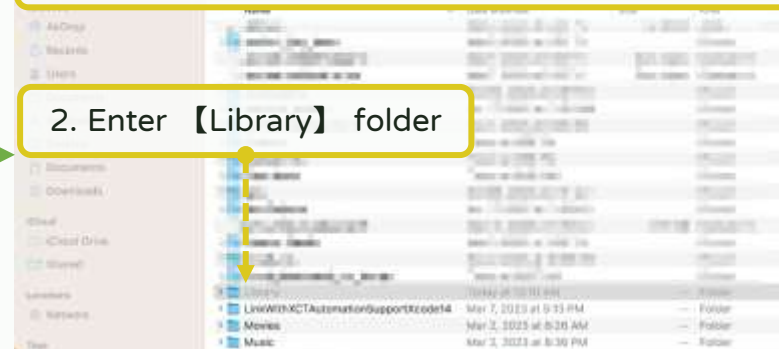


Create shortcut for the image exported folder on MAC M-series device

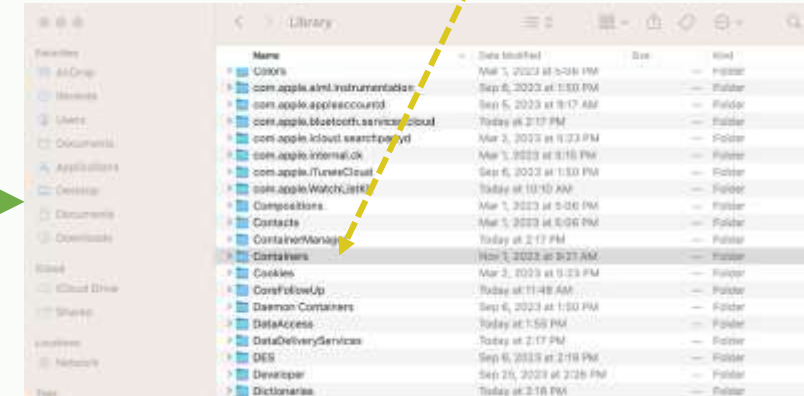
Step 1 1. Turn on 【Finder】



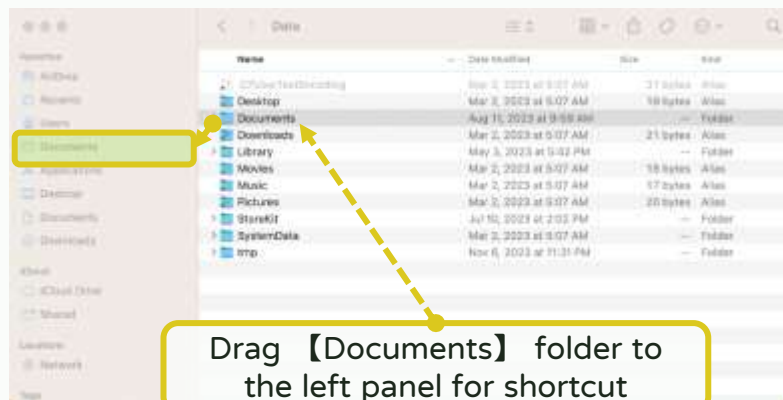
Step 2 1. Press command + shift + . to show hidden files. 2. Enter 【Library】 folder



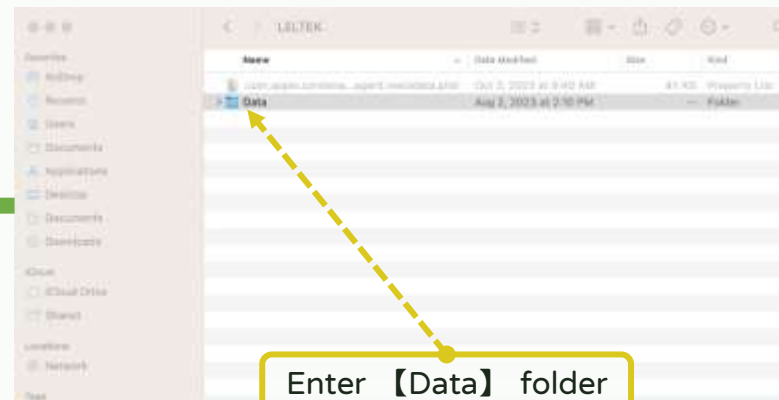
Step 3 Enter 【Containers】 folder



Step 6



Step 5



Step 4

