

LeSONO



LeSONO Wireless Ultrasound – Quick Guide

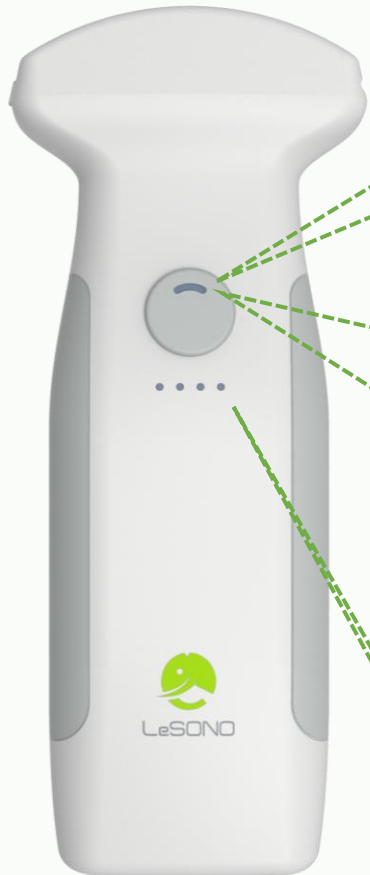


Version: 241227
Applicable to 1.25.2.1 above version

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, measuring length and area, saving images and videos
- 【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 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

Boot up and connection - Turn on/off the probe (700 / 300 series) **LEL TEK**

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.

Boot up and connection - Connection

Step 1

Connected:

Connection

Review

Exit

HITRON-55F0-5G

Invalid device. Scan QR code for connection

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

Step 2

Leitek Inc.

СУМЕТ

Scan QR code on the probe

Step 3

Connected:

Connection

Review

Exit

HITRON-55F0-5G

Invalid device. Scan QR code for connection

"LELTEK" Wants to Join Wi-Fi Network
"LU700-43-201920173"?
Cancel Join

Confirm the SSID and tap "Join"

Step 5

000000019

Freeze

B CF M

PW PD

THI (ON)

Freq

Gain

Enhancement

FPS

Dynamic Range

Adv. Settings

18.9

BP

End Exam

Transducer: Convex

Gain: 40

DR: 30

Depth: 18.9 cm

Pretest: abdomen

Freq: H 4.2 MHz

MR: 0.79

TI: 0.7

Enter the scan page

Step 4

Connected:

Connection

Review

Exit

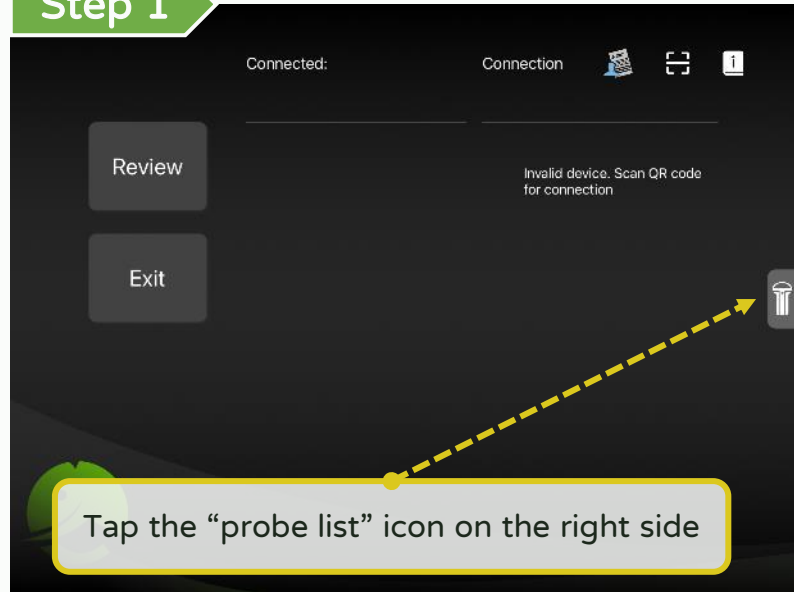
LU700-43-201920173

Device Connected

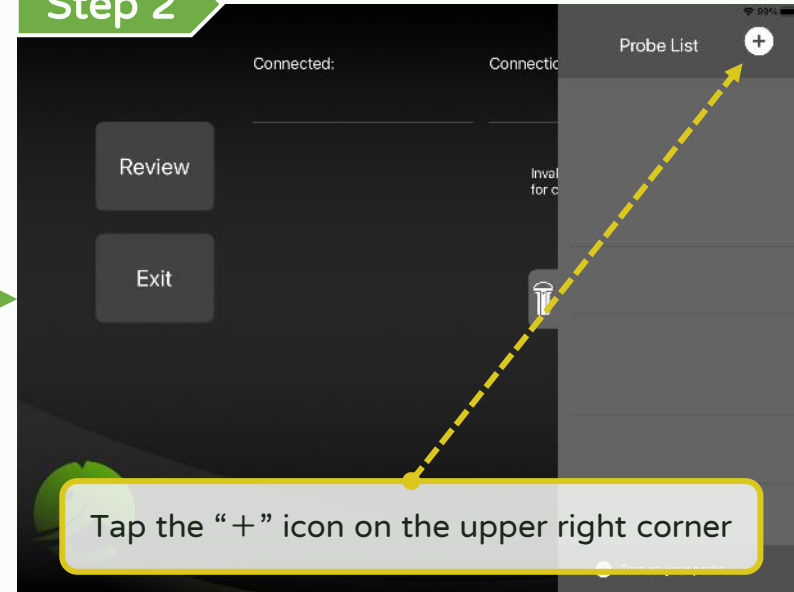
Wait for finishing the connection

Boot up and connection - Connection with the probe list

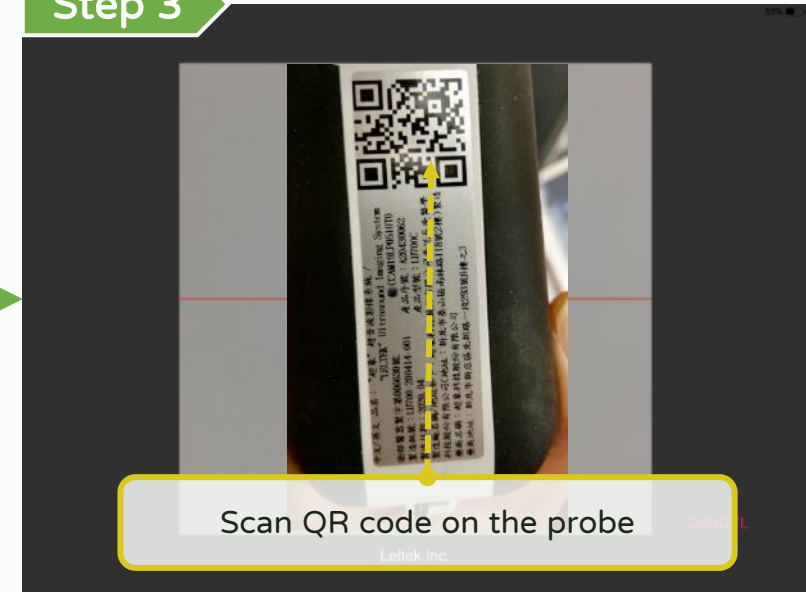
Step 1



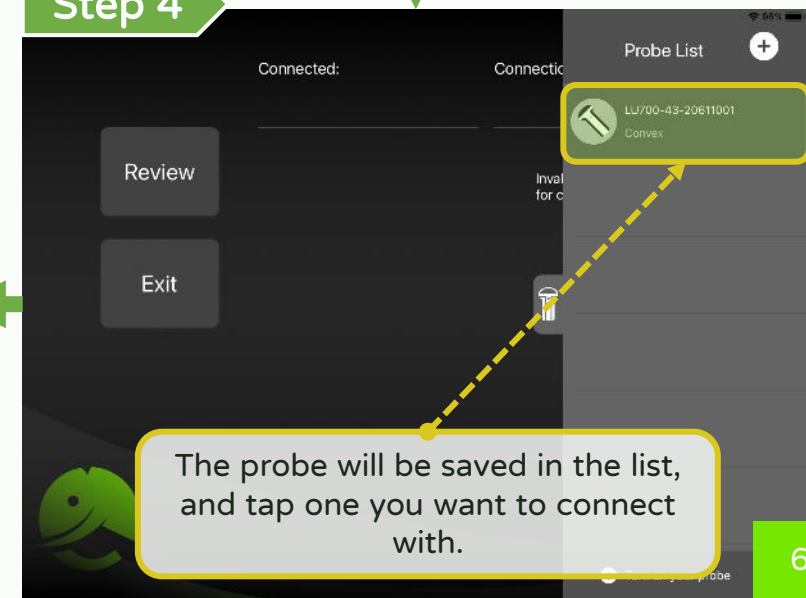
Step 2



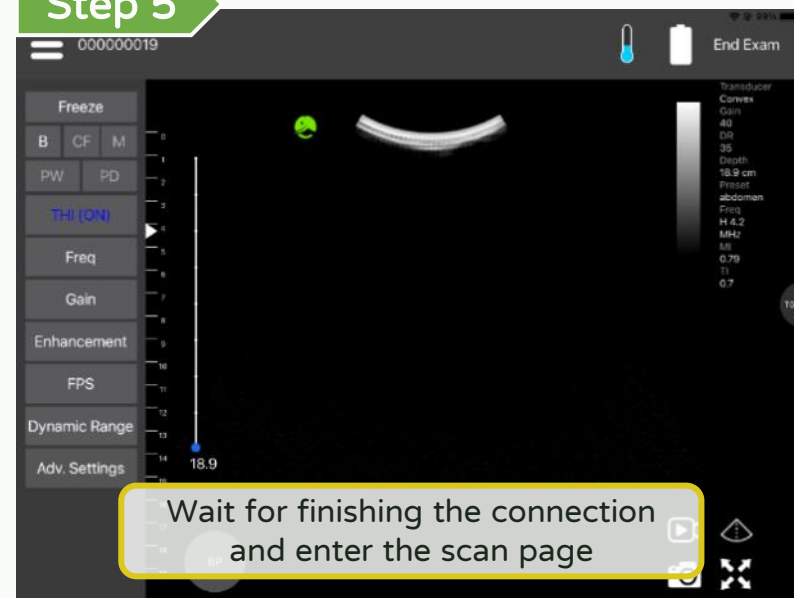
Step 3



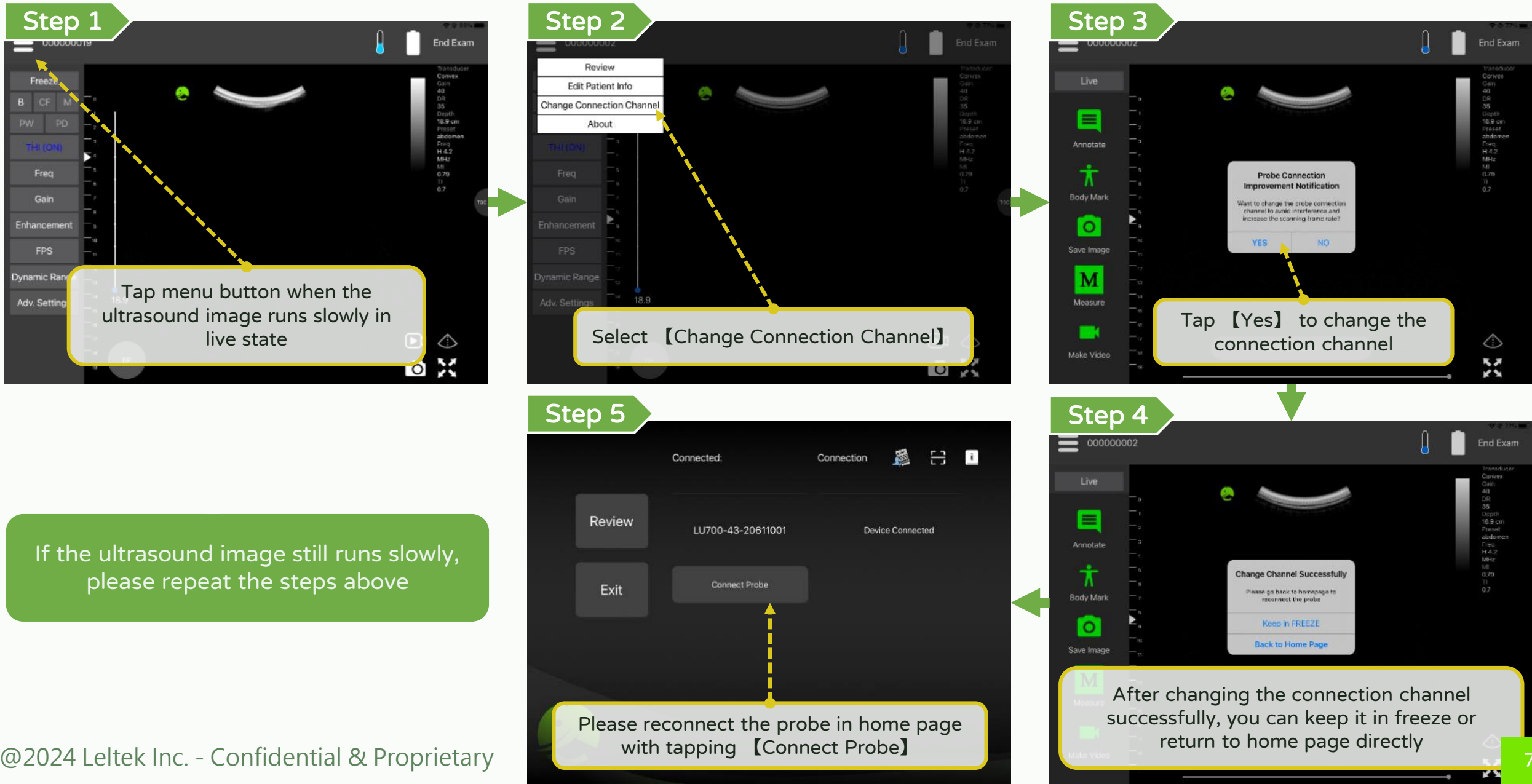
Step 4



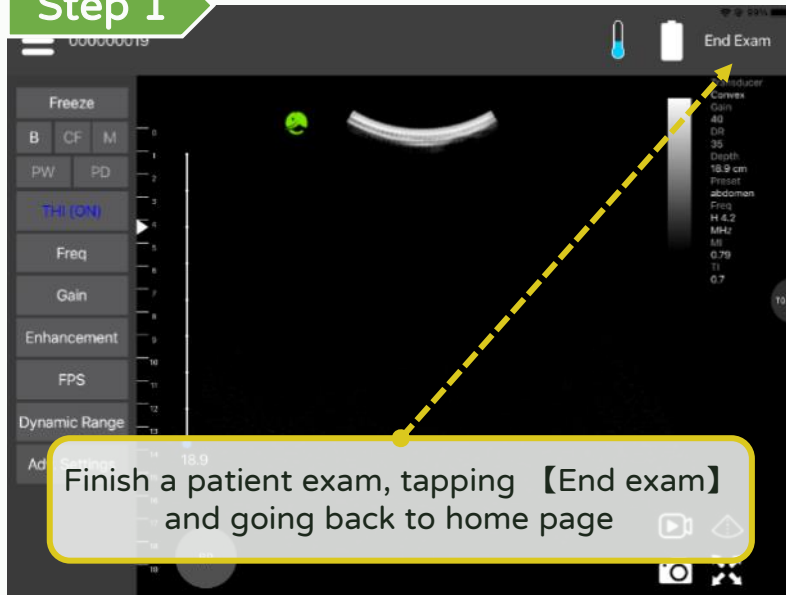
Step 5



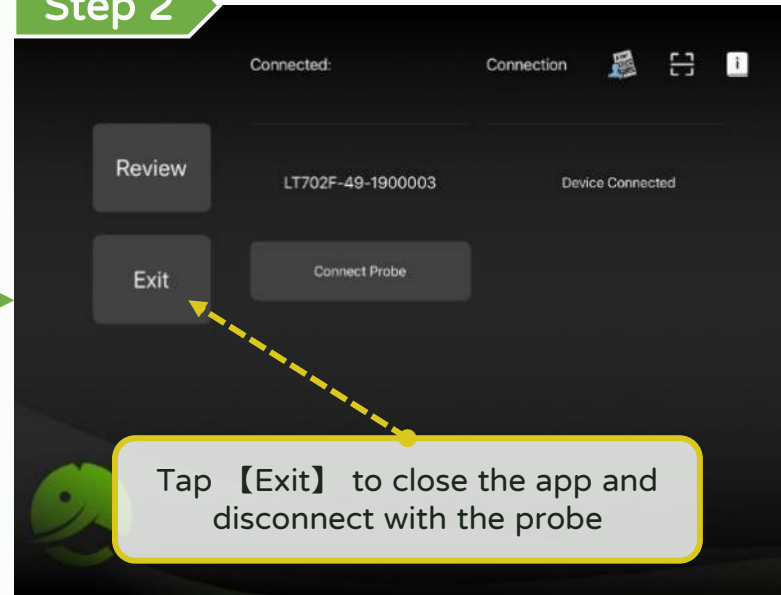
Boot up and connection - Improve the connection quality **LEL TEK**



Step 1



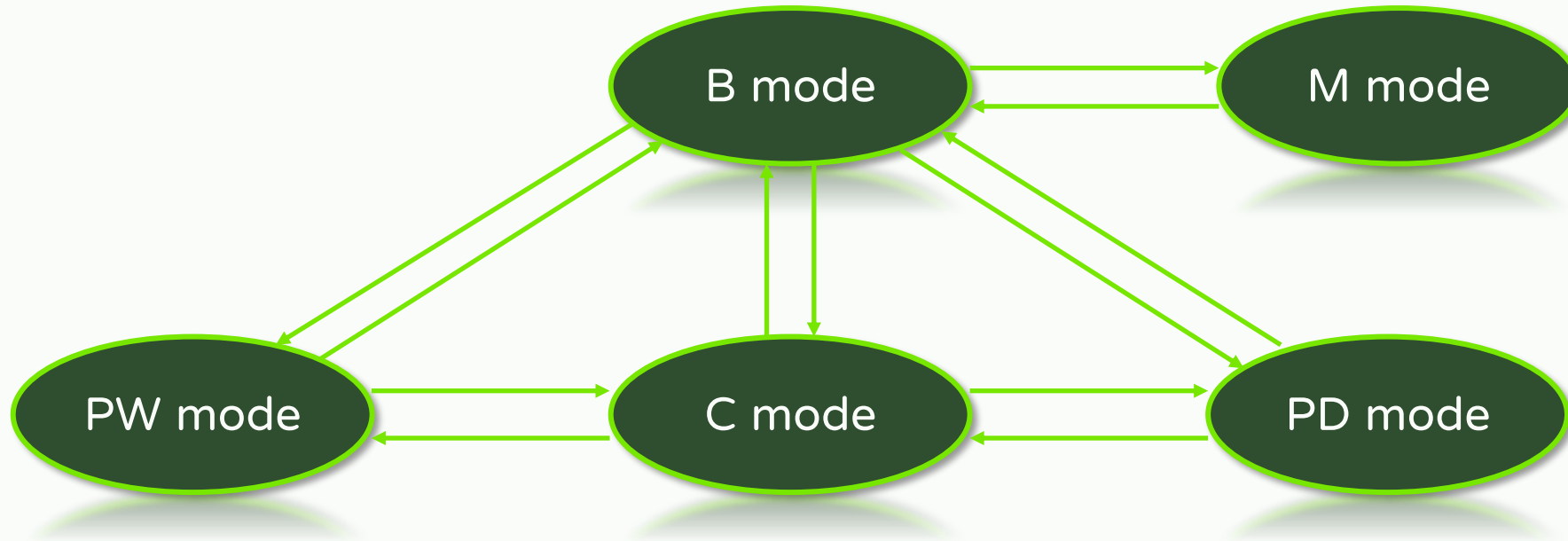
Step 2



【Scan】

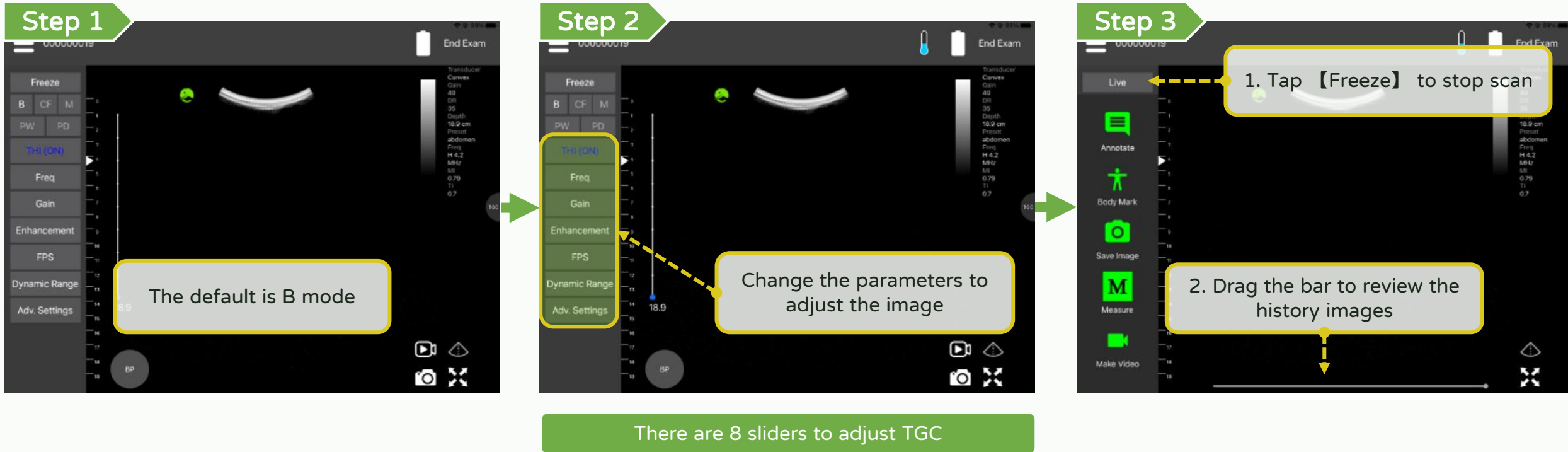
The diagram illustrates the LELTEK ultrasound interface with various controls and their functions:

- MRN**: Medical Record Number (000000019)
- Review, export**: Menu icon for reviewing and exporting data.
- Freeze / Live**: Freeze button to pause the scan.
- Select mode**: Buttons for B, CF, M, PW, and PD modes.
- Adjust parameter**: A vertical menu for adjusting parameters: THI (ON), Freq, Gain, Enhancement, FPS, Dynamic Range, and Adv. Settings.
- Adjust depth**: Depth slider (0 to 19 cm) with a current value of 18.9 cm.
- Select preset**: Preset button (BP).
- Probe info**: Information about the probe (Transducer: Convex).
- End exam**: Button to end the examination.
- Voice control**: Microphone icon for voice control.
- Scan info**: Scan parameters: Gain 40, DR 35, Depth 18.9 cm, Preset abdomen, Freq H 4.2 MHz, MI 0.79, TI 0.7.
- Adjust TGC**: TGC (Time Gain Control) slider.
- Dual screen, IQ scan, save image and video, center line, full screen**: A cluster of icons for dual screen, IQ scan, save image, save video, center line, and full screen.

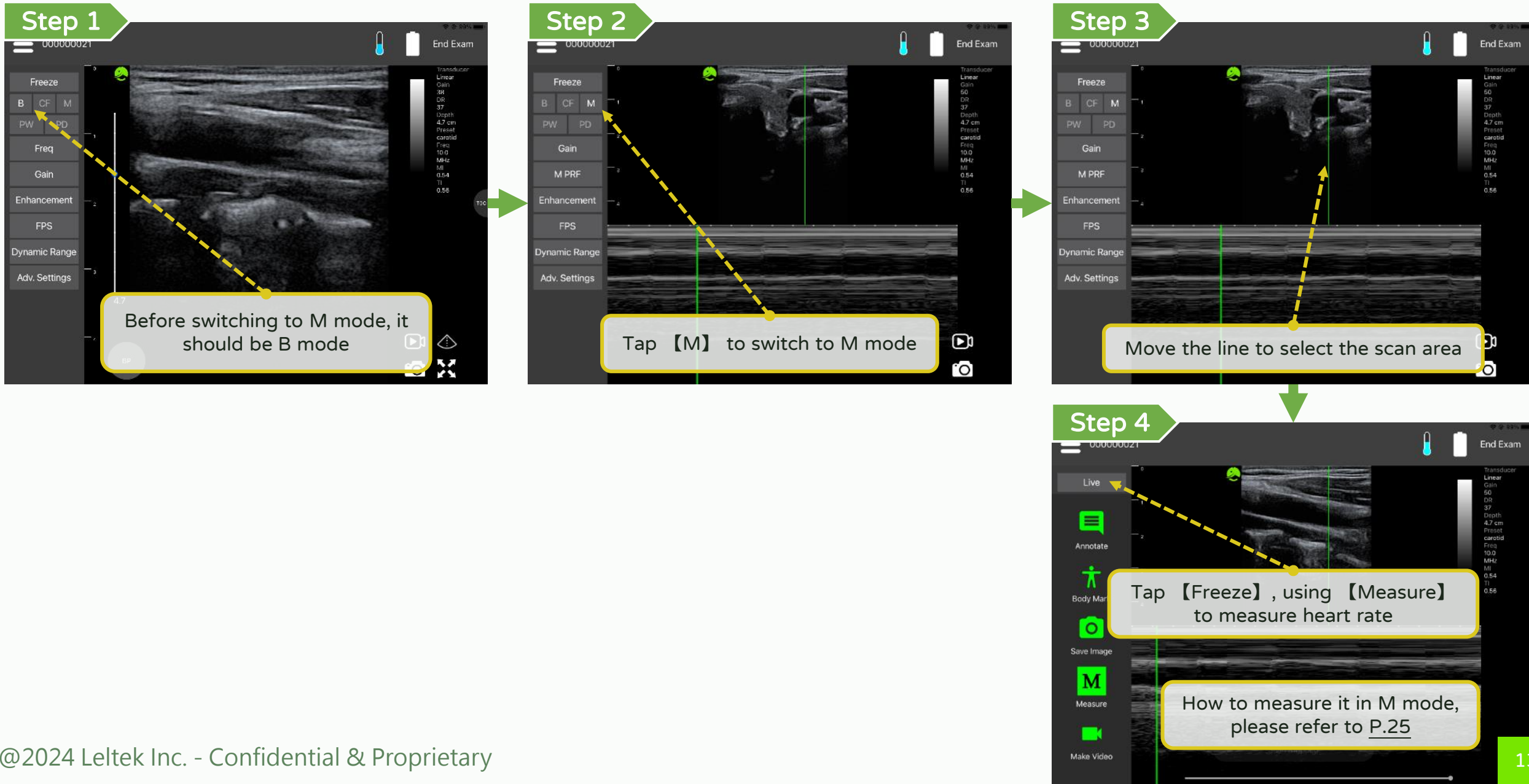


“The orientation of arrow”: It can be switched directly to the mode

Scan - B (Brightness) mode

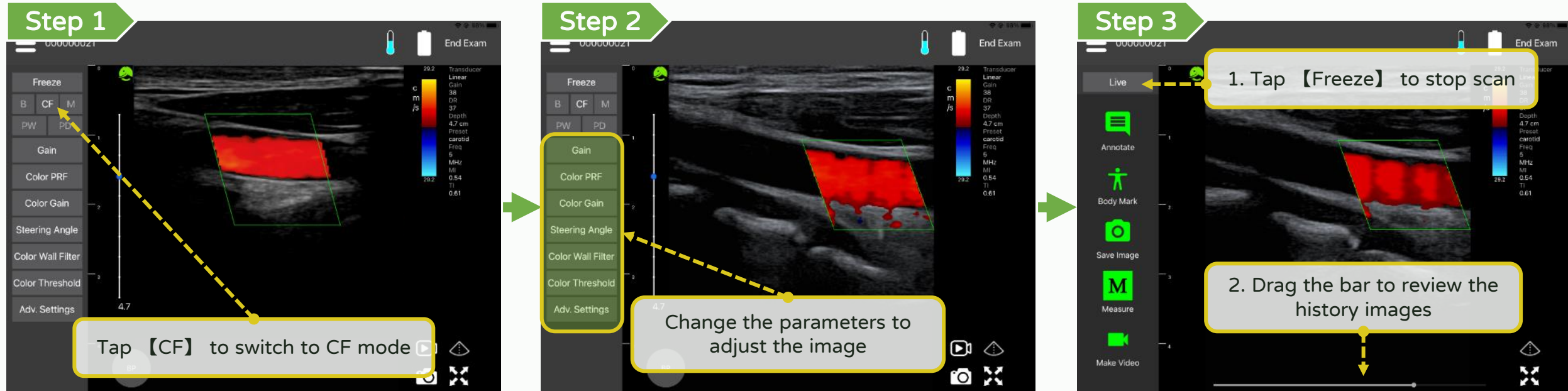


Scan - M (Motion) mode



Scan - CF (Color Flow) mode

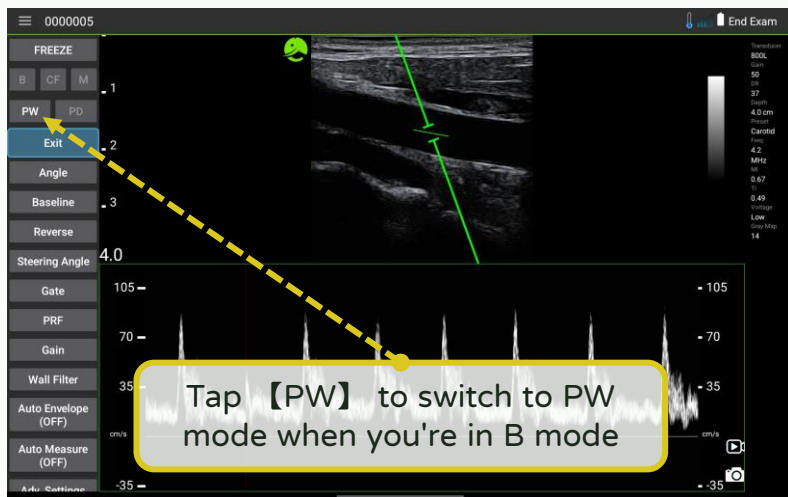
*Optional function **LEL TEK**



Scan - PW (Pulse Wave) mode without color

*Optional function **LEL TEK**

Step 1



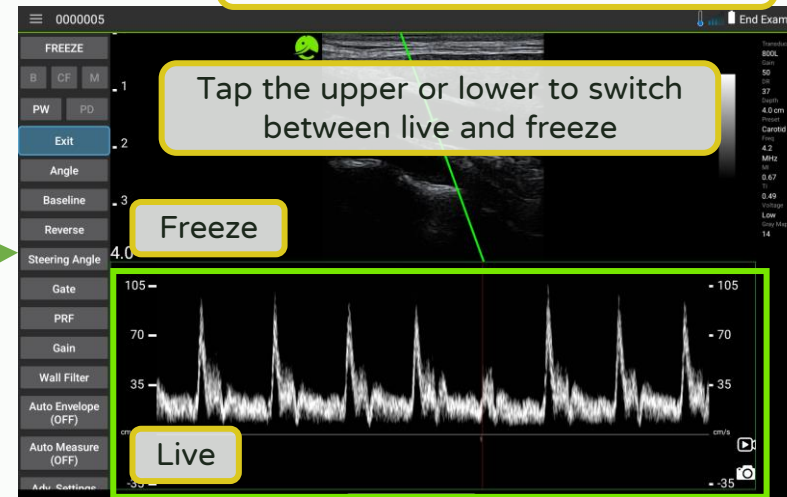
Step 2

The live image will be highlighted with a green frame

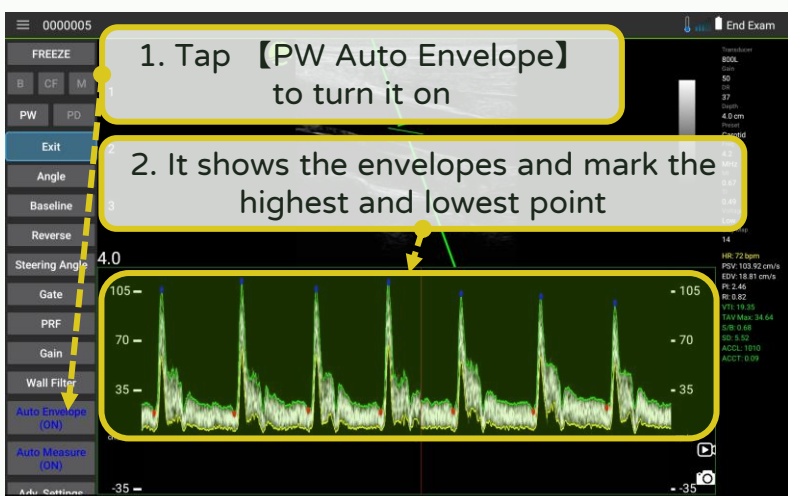


Step 3

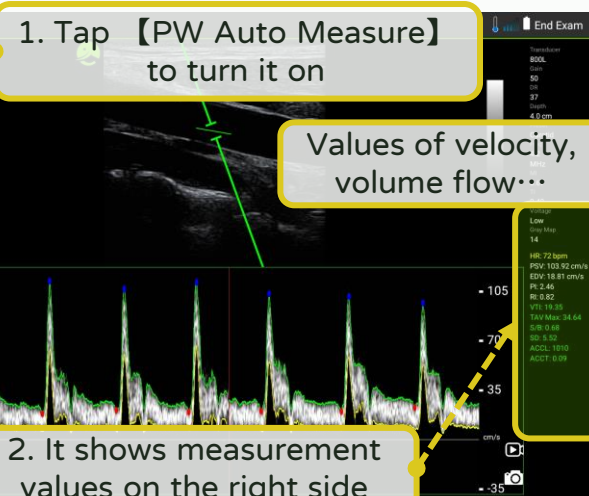
The live image will be highlighted with a green frame



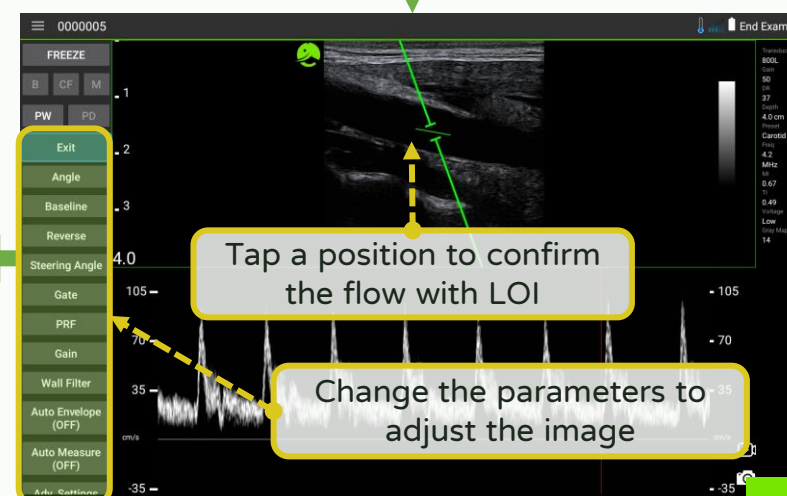
Step 6



Step 5



Step 4



Scan - PW (Pulse Wave) mode with color

*Optional function **LEL TEK**

Step 1

Before switching to PW mode, it should be CF mode

Step 2

1. Tap **【PW】** to switch to Pre-PW mode
2. Tap a position to confirm the flow with LOI
3. Tap **【PW Enter】**

Step 3

Tap a position to confirm the flow with LOI

Change the parameters to adjust the image

Step 4

1. Tap **【PW Auto Measure】** to turn it on
2. It shows measurement values on the right side

Values of velocity, volume flow...

Step 5

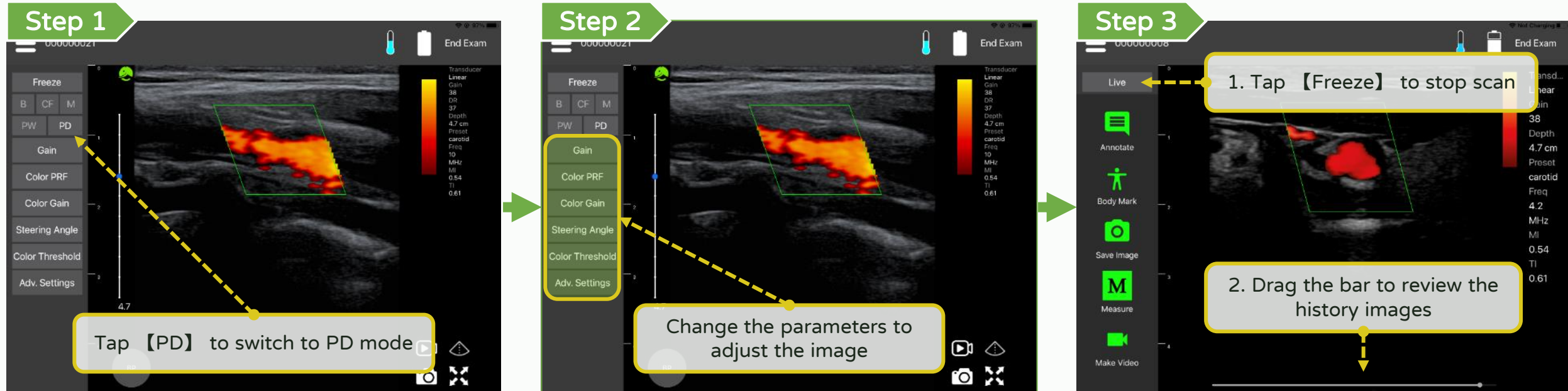
1. Tap **【PW Auto Envelope】** to turn it on
2. It shows the envelopes and mark the highest and lowest point

Step 6

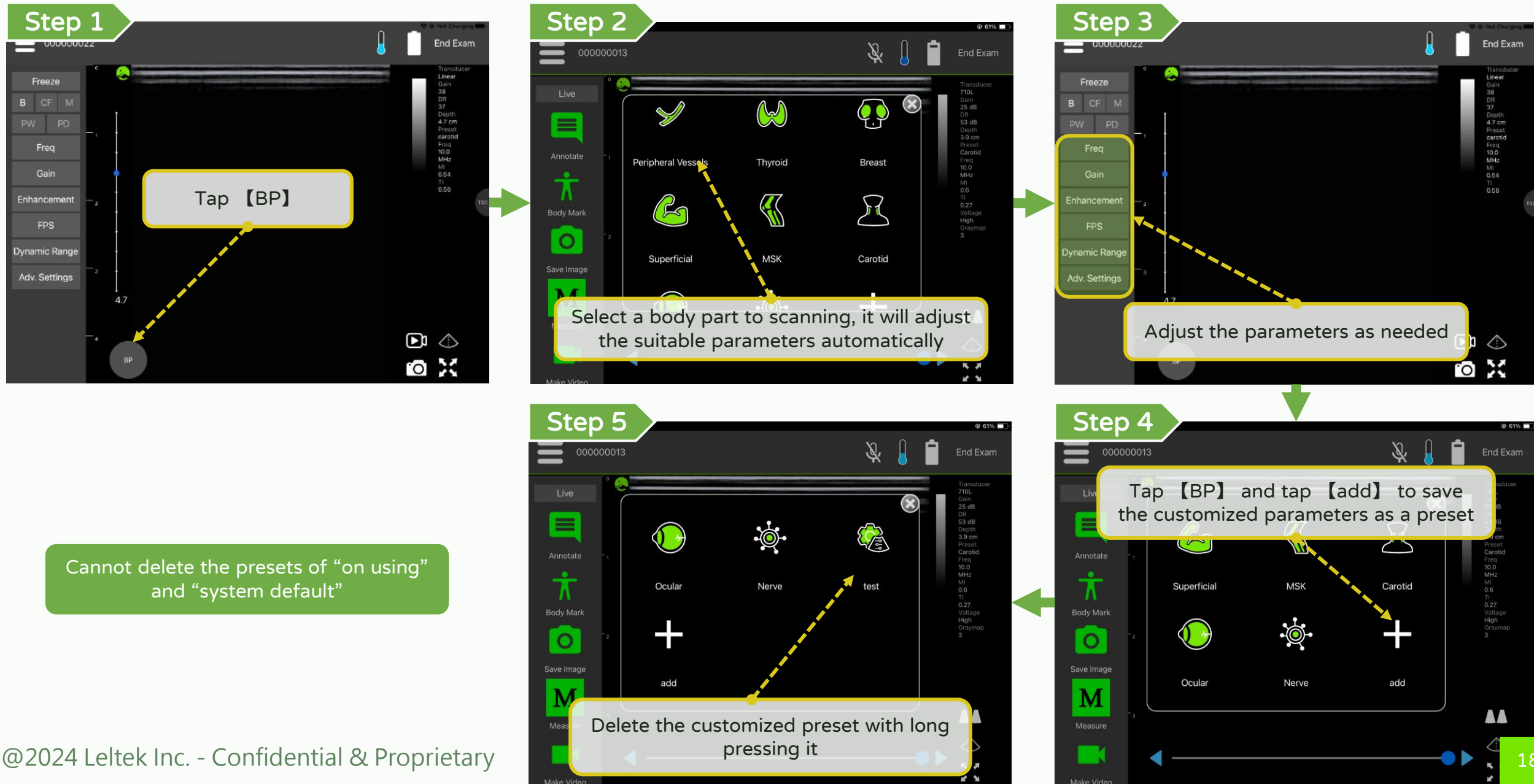
Tap **【Freeze】**, using **【Measure】** to measure velocity, RI, S/D...etc.

Scan - PD (Power Doppler) mode

*Optional function **LEL TEK**



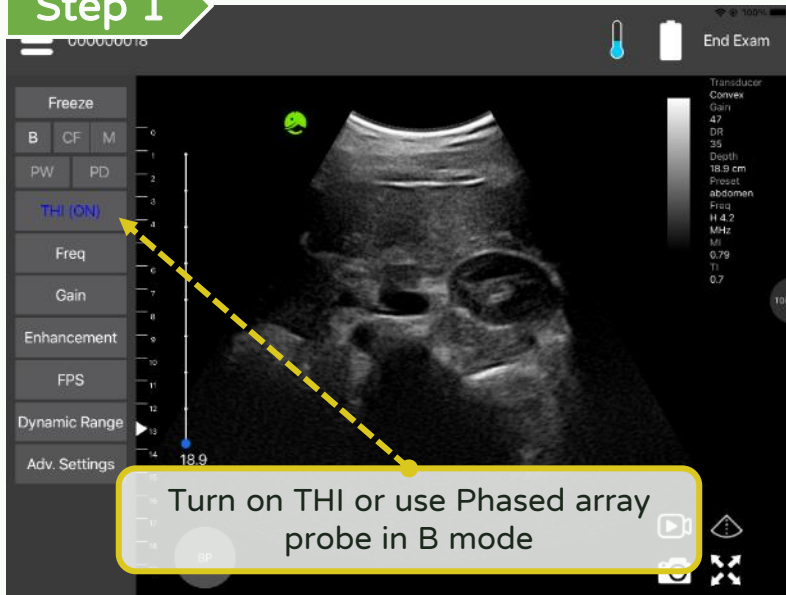
Scan - Select and customize a preset



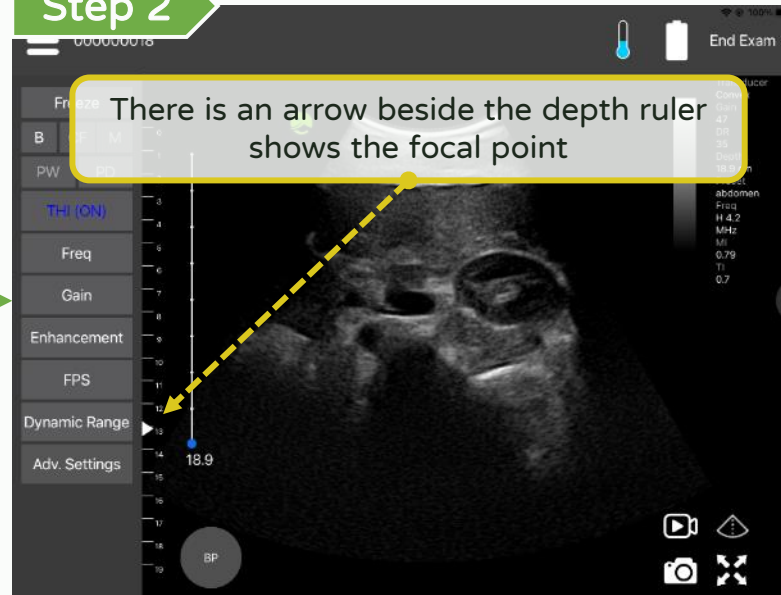
Scan - Adjust focus

LEL TEK

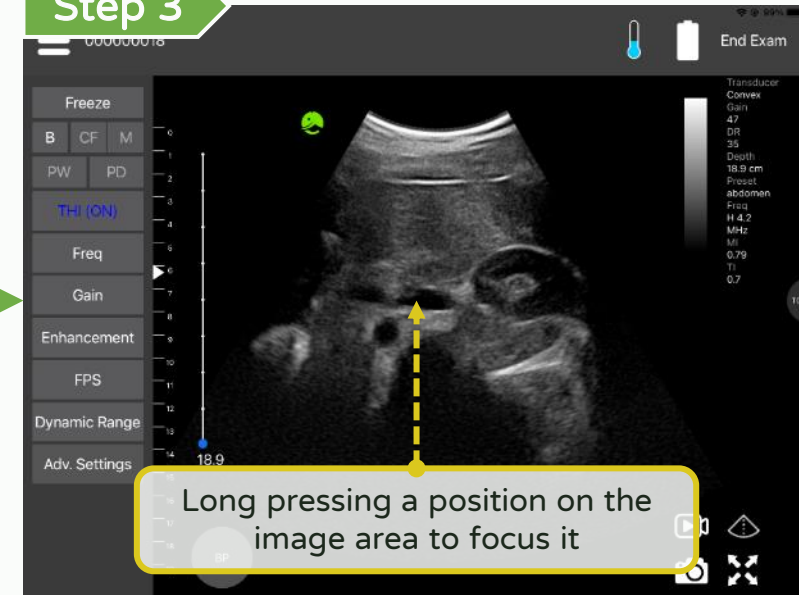
Step 1



Step 2

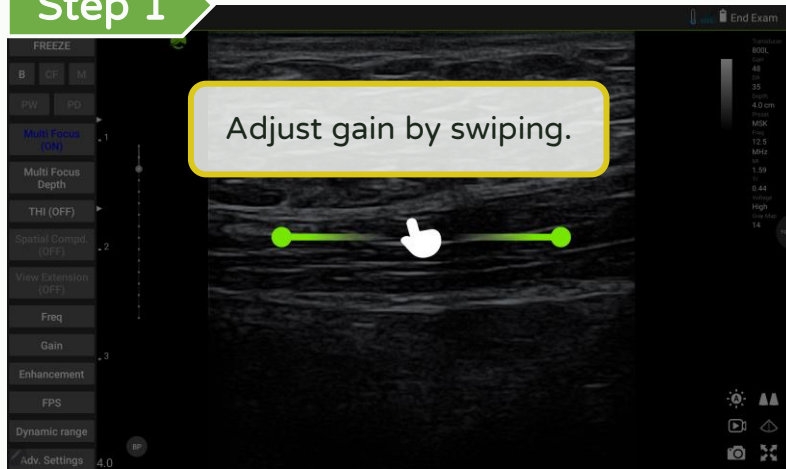


Step 3



Step 1

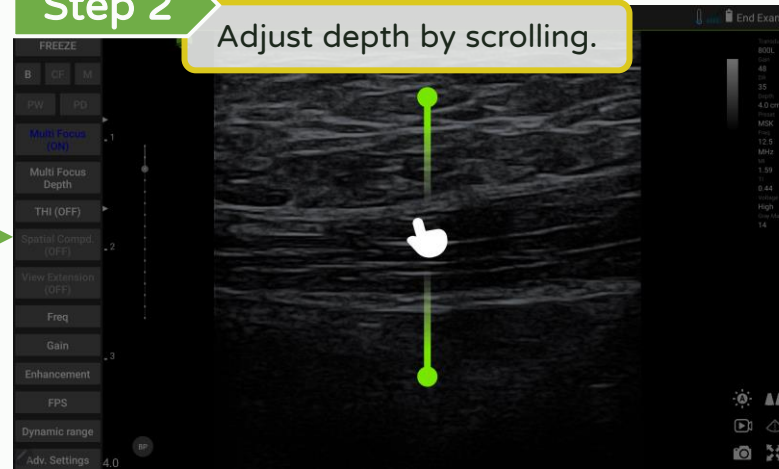
Adjust gain by swiping.



Adjust the gain

Step 2

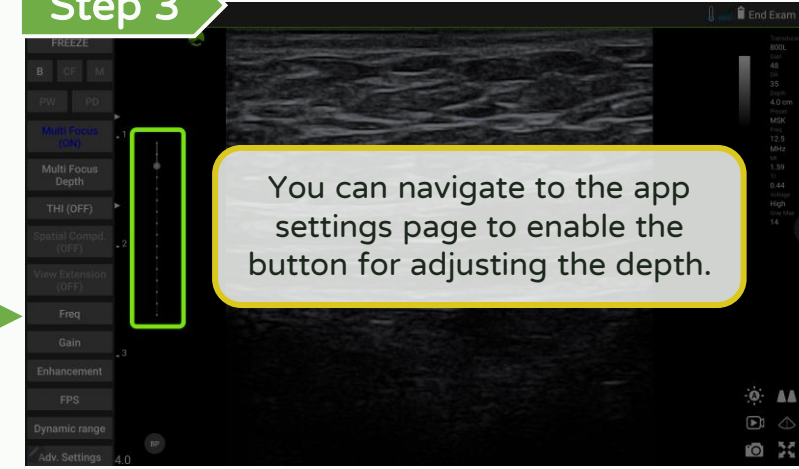
Adjust depth by scrolling.



Adjust the depth

Step 3

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





Functions	Voice Command
Freeze	Freeze
Live	Live
Save image	Capture image

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

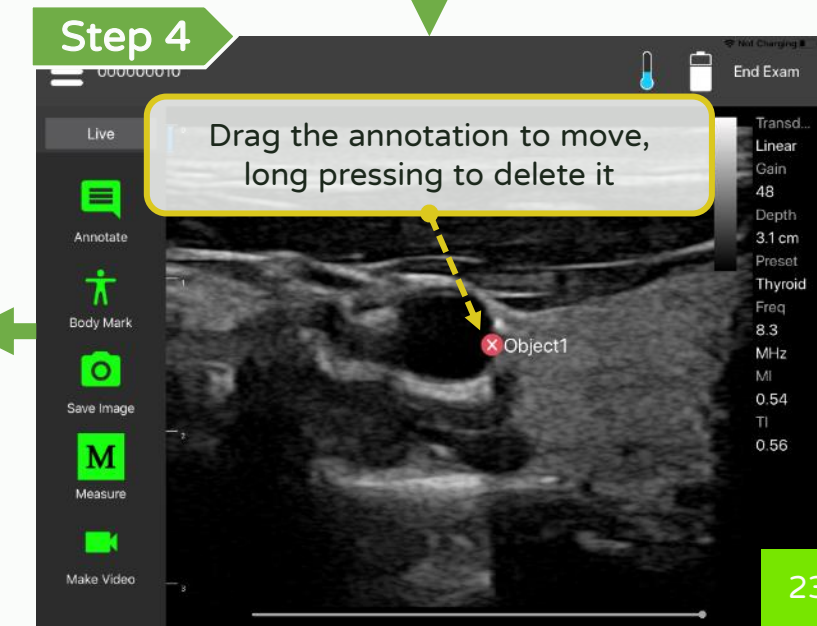
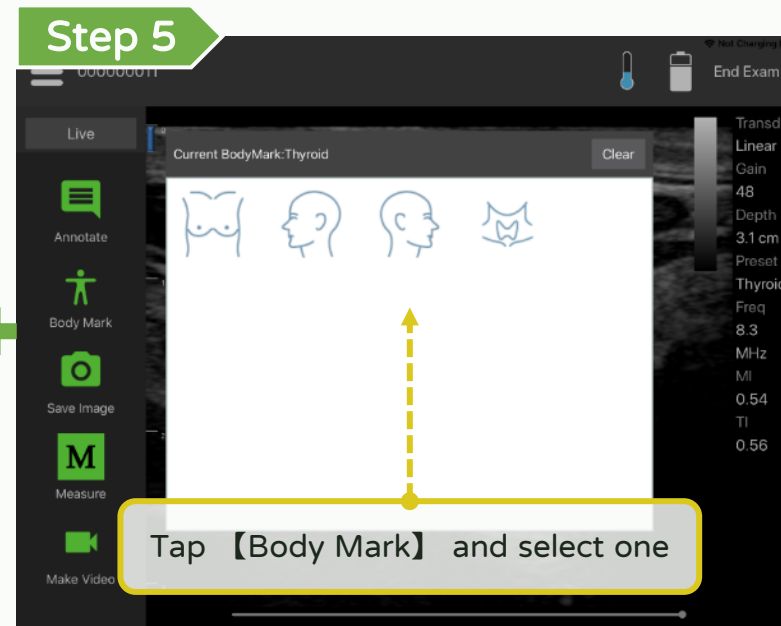
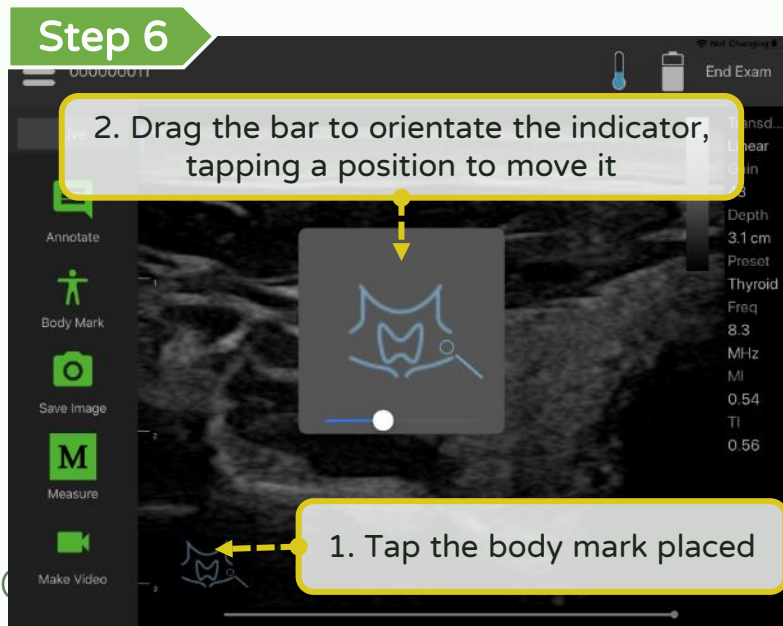
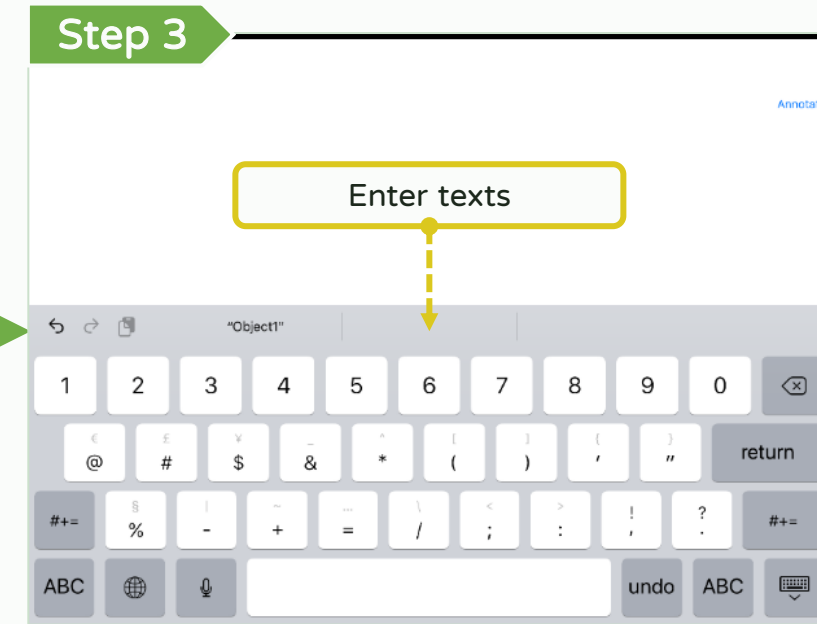
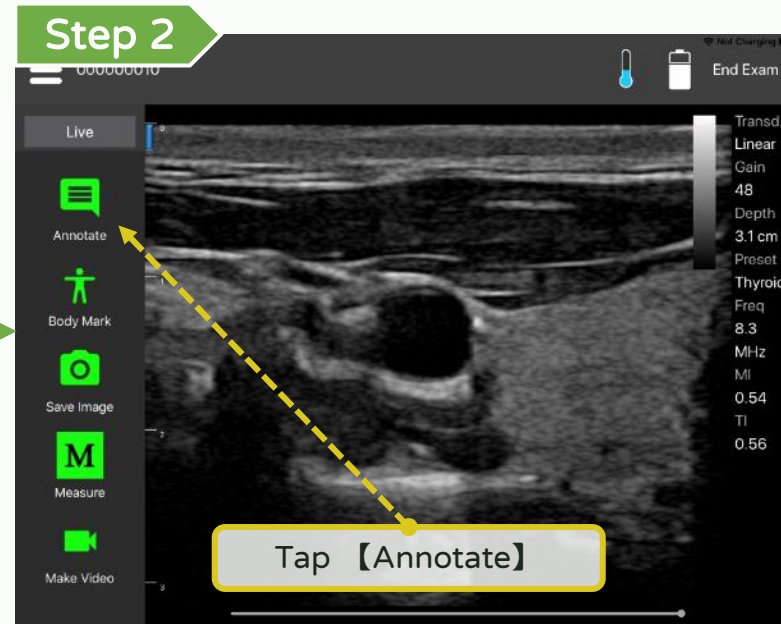
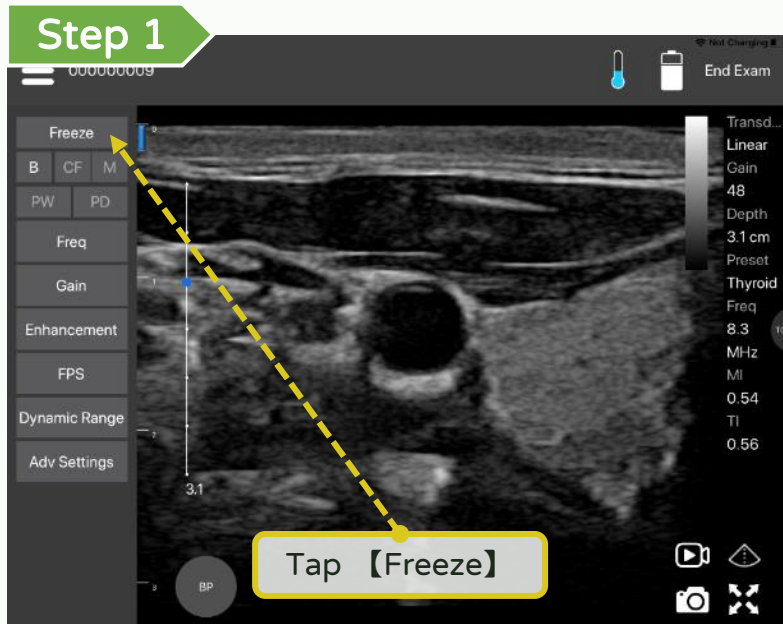
【Android】



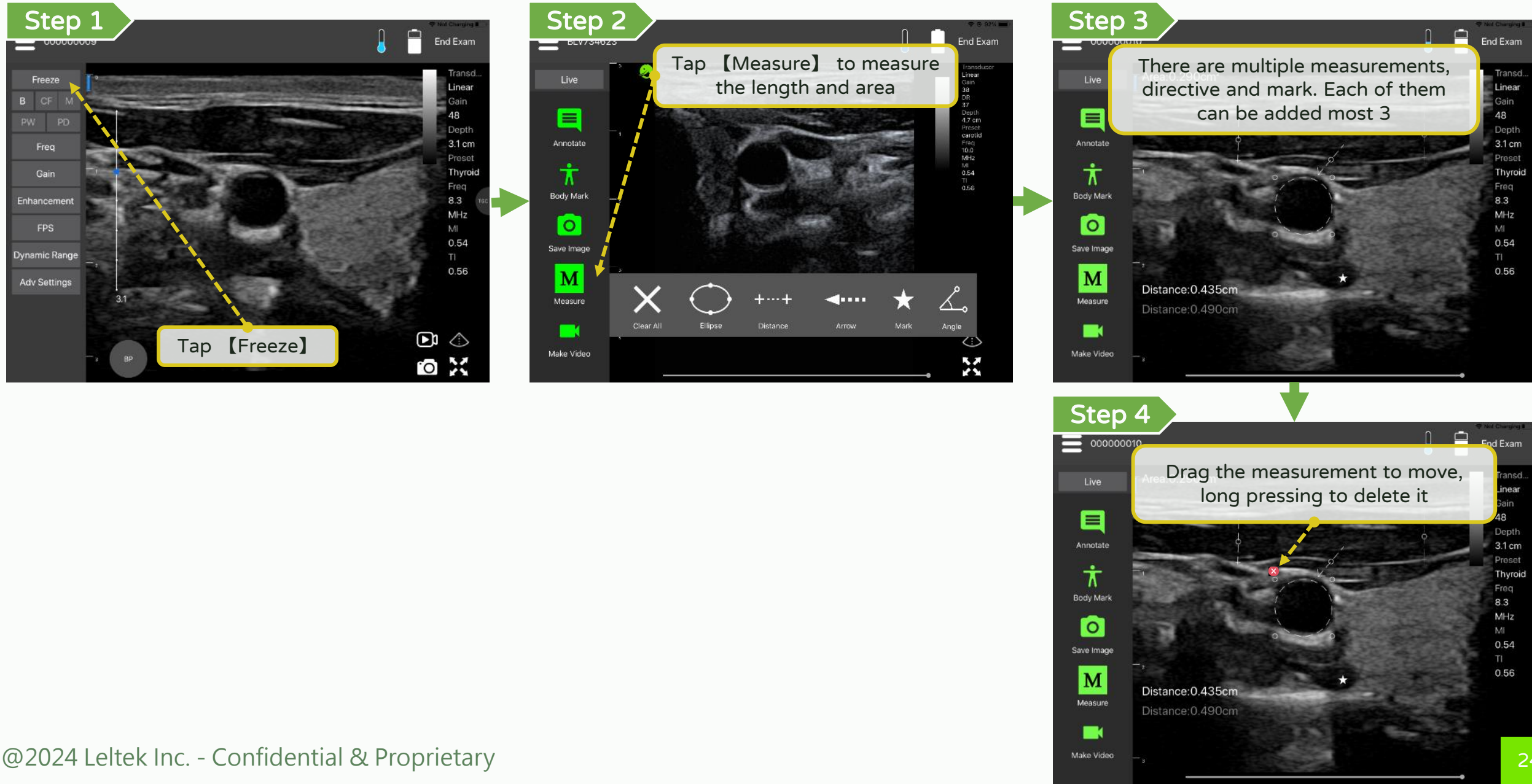
【iOS】



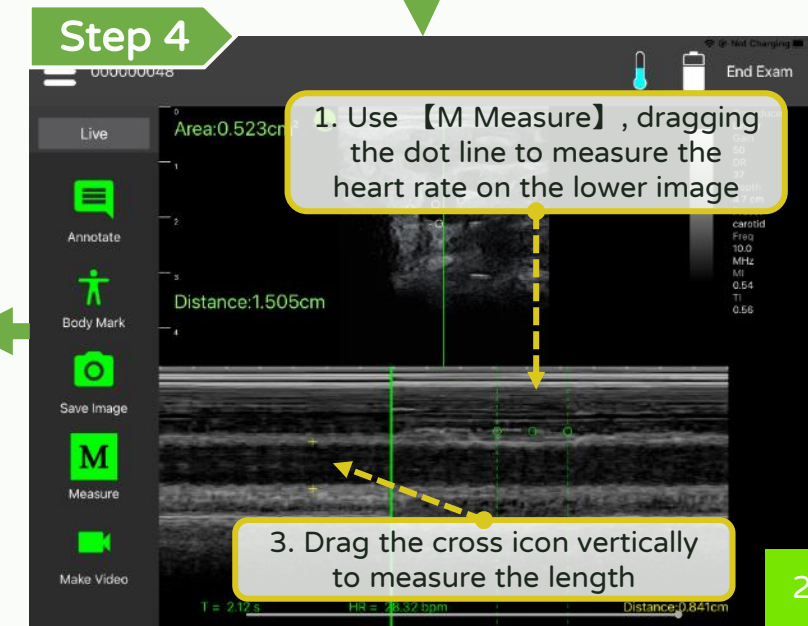
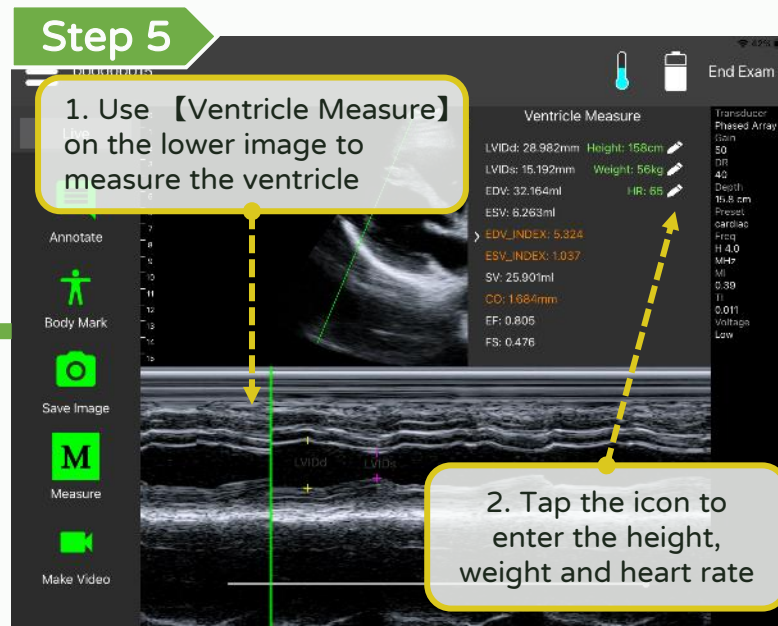
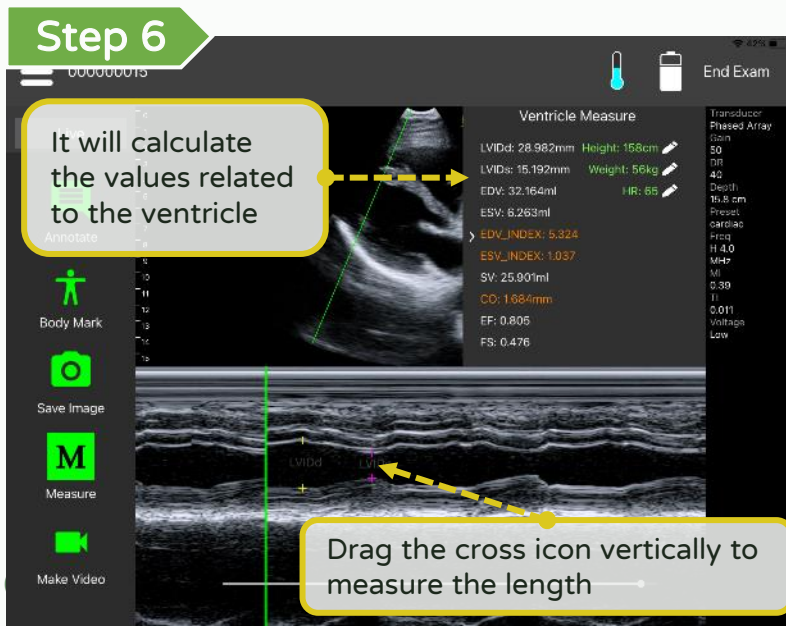
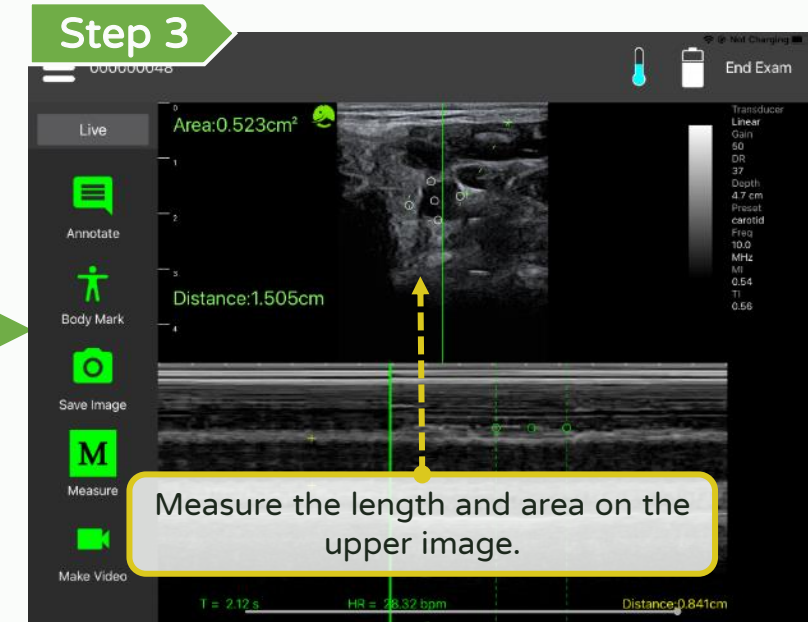
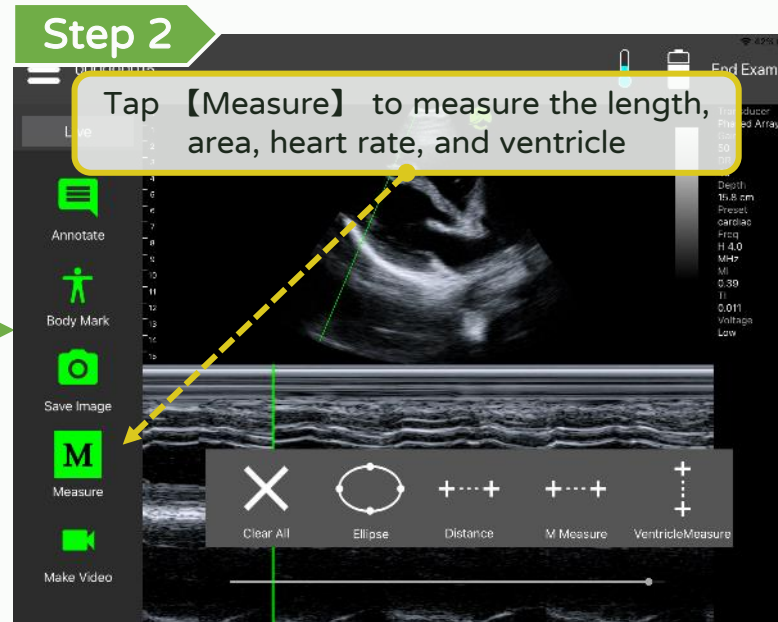
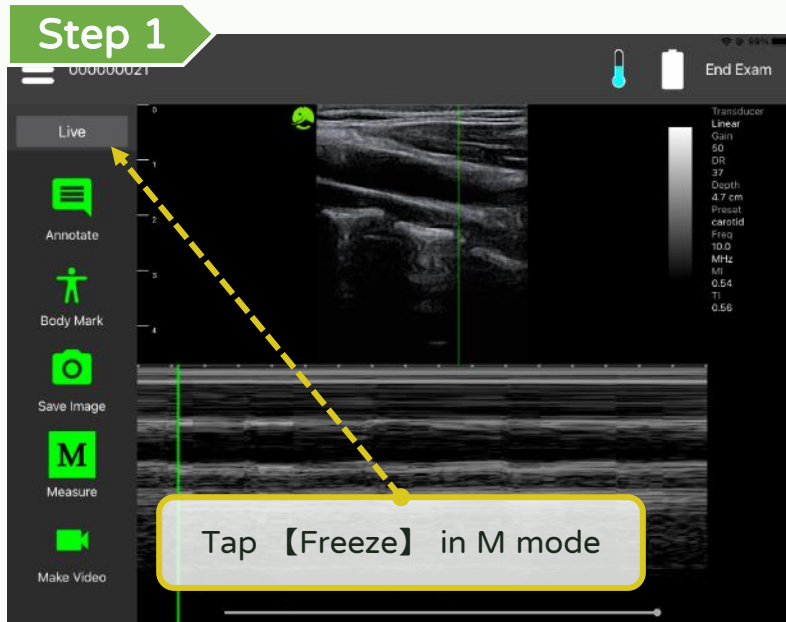
【 Annotate, measure and save 】



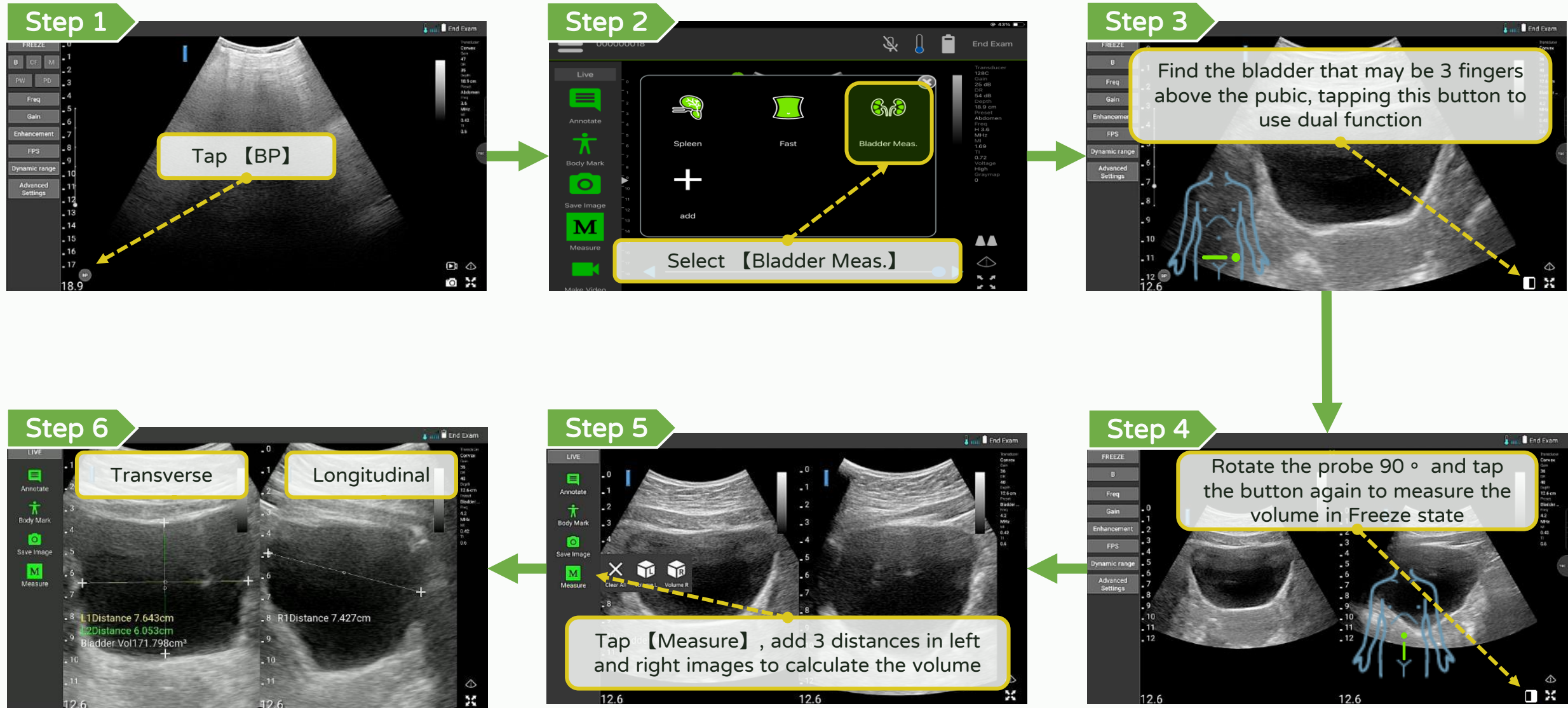
Annotate, measure and save - Measure



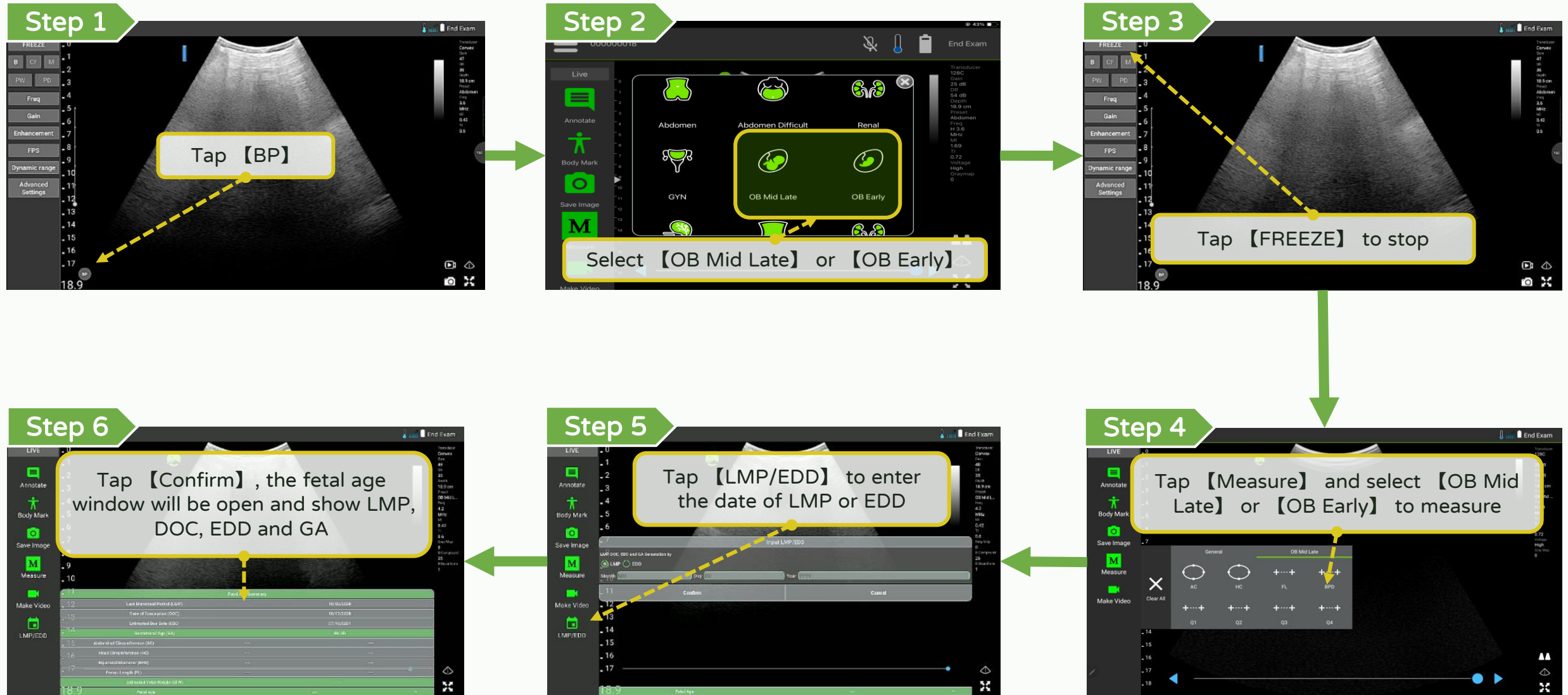
Annotate, measure and save - Measure in M mode



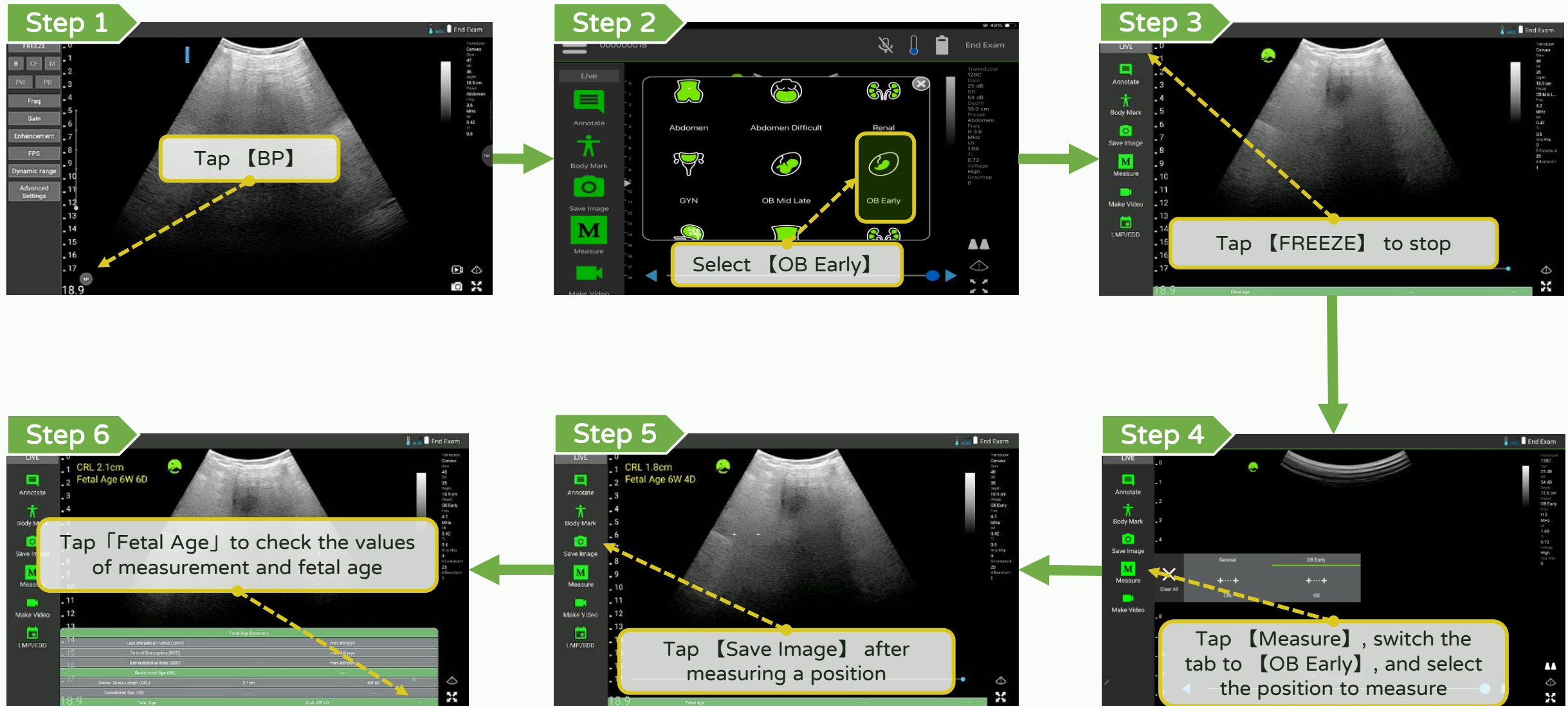
Annotate, measure and save - Measure Bladder



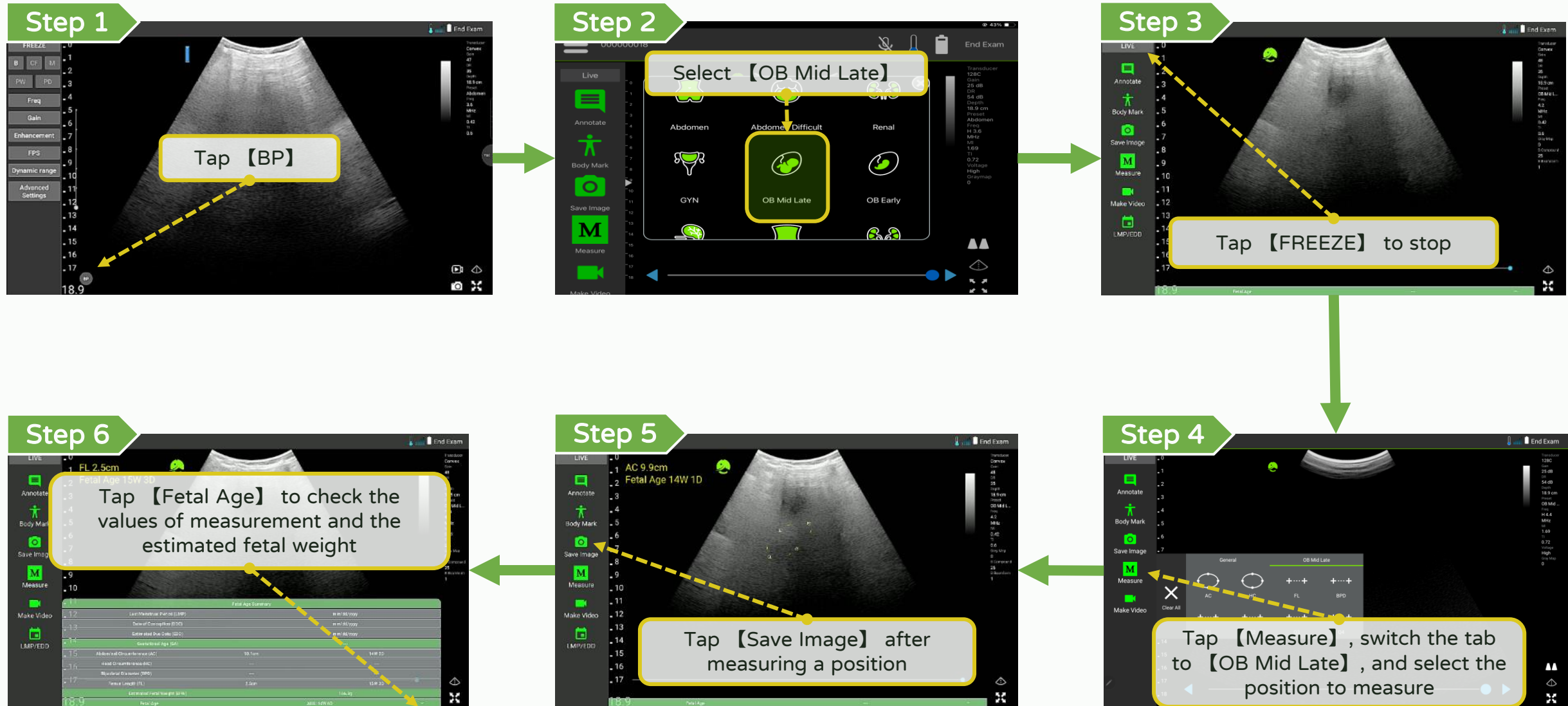
Annotate, measure and save - Calculating the gestational age **LEL TEK**

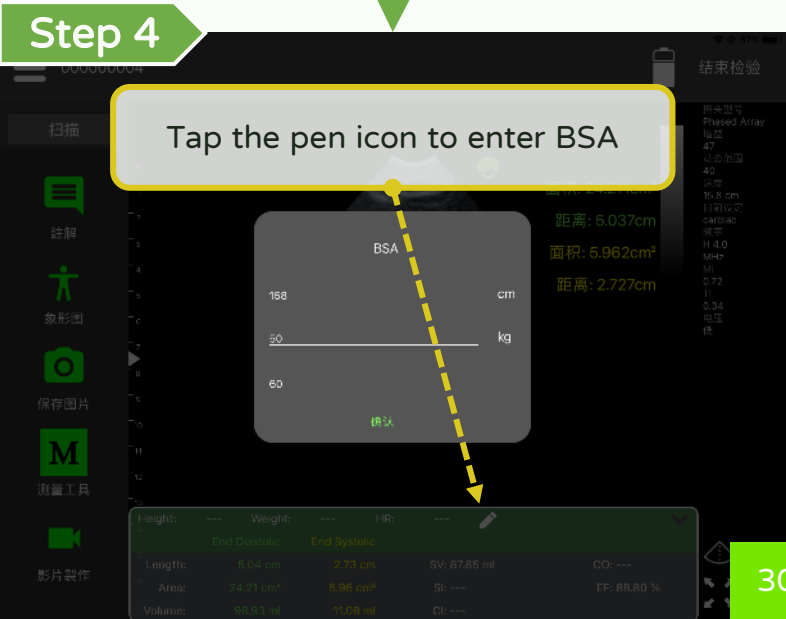
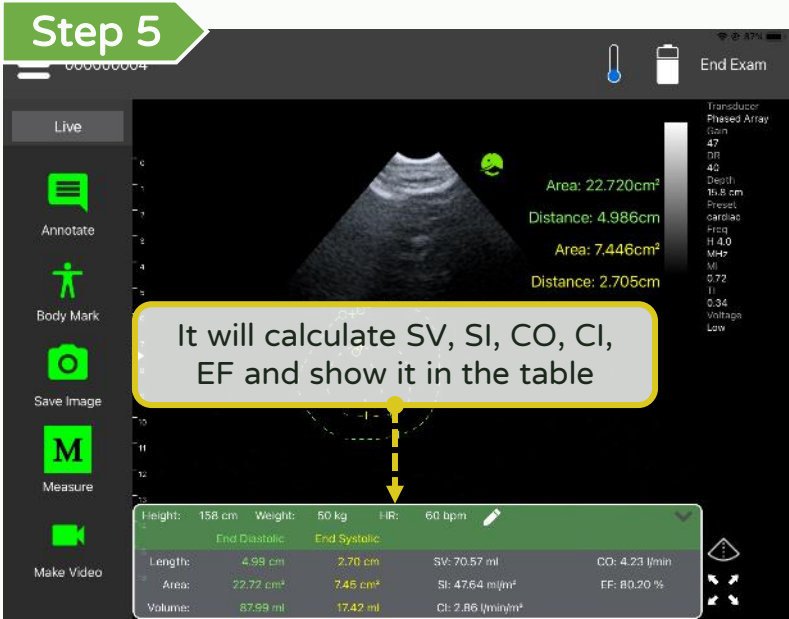
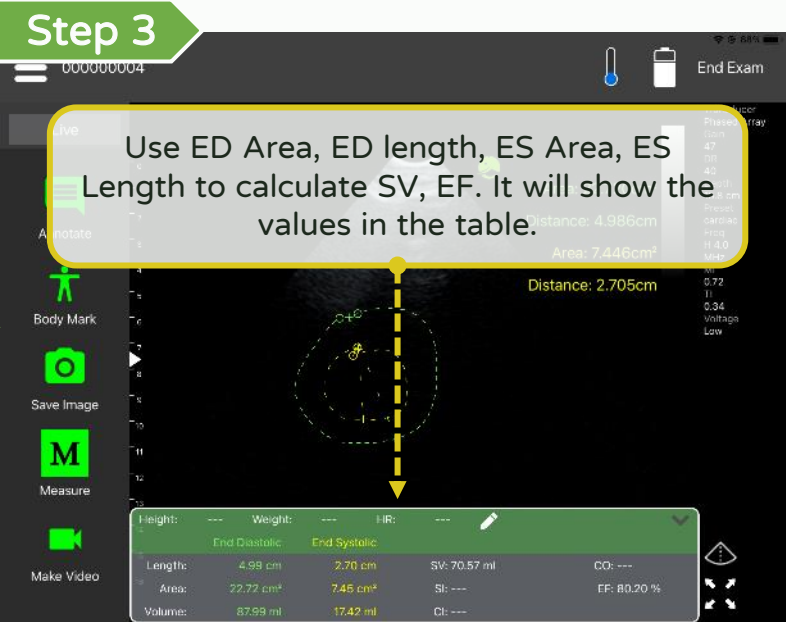
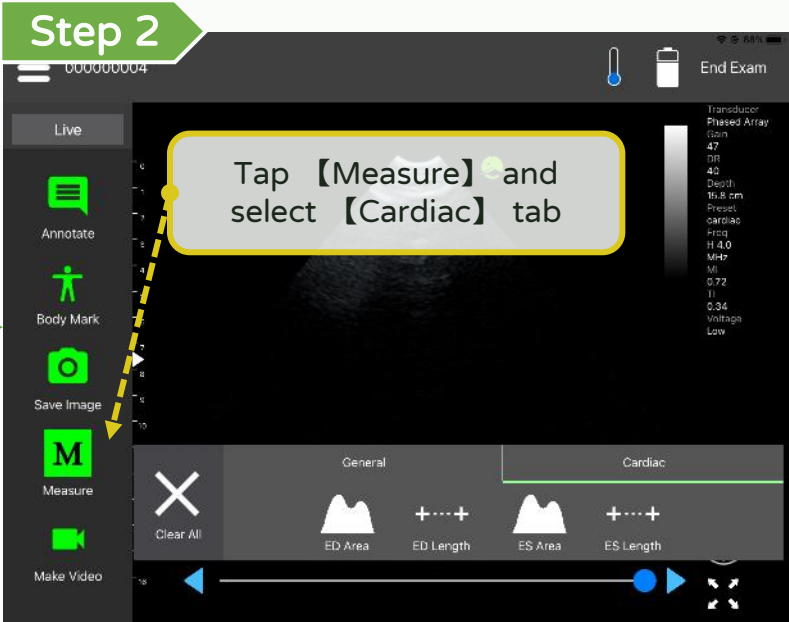
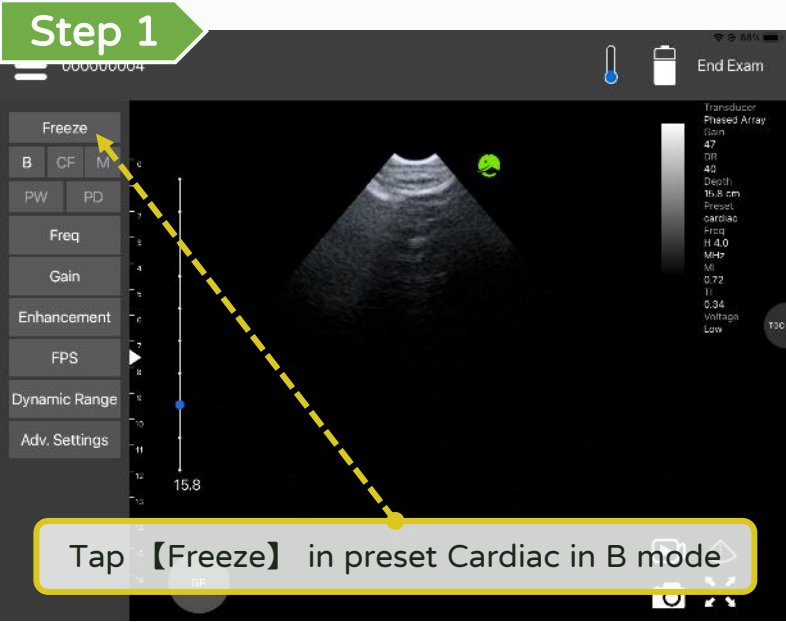


Annotate, measure and save - Measuring in OB early



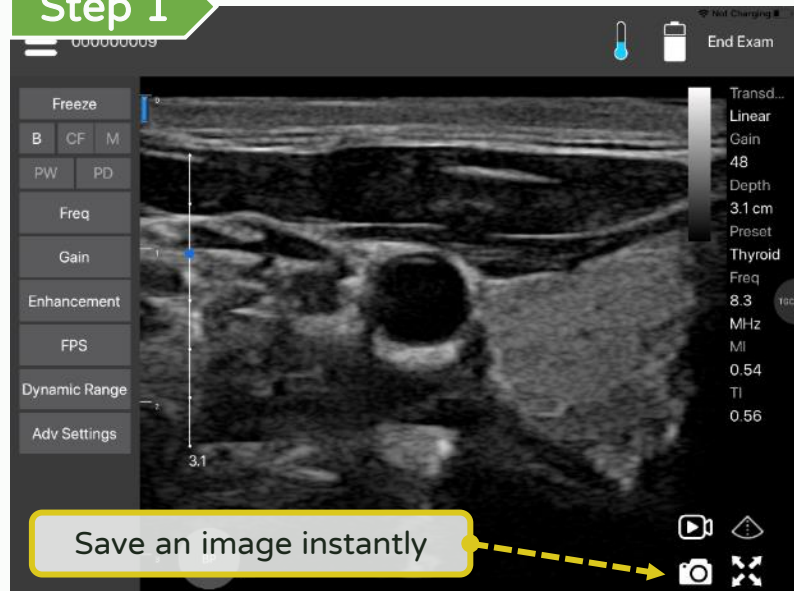
Annotate, measure and save - Measuring in OB mid late





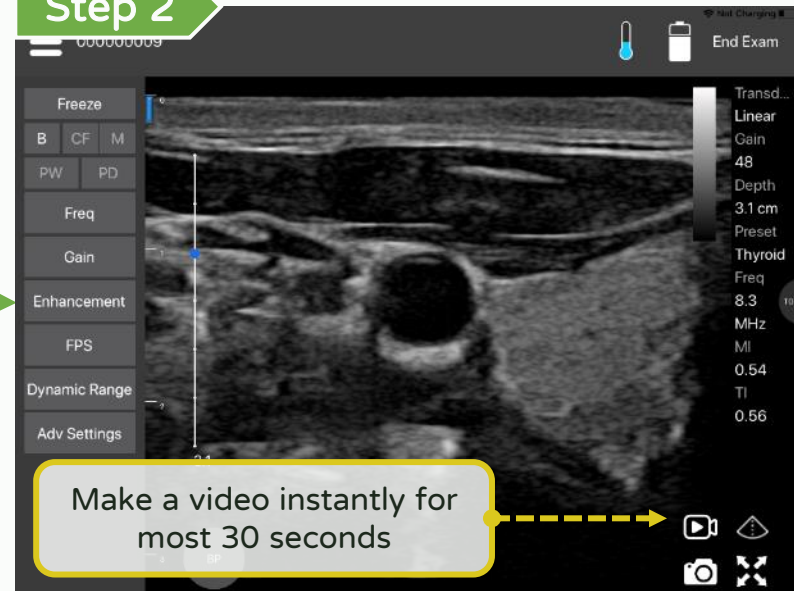
Annotate, measure and save - Save (Instant)

Step 1



Save an image instantly

Step 2

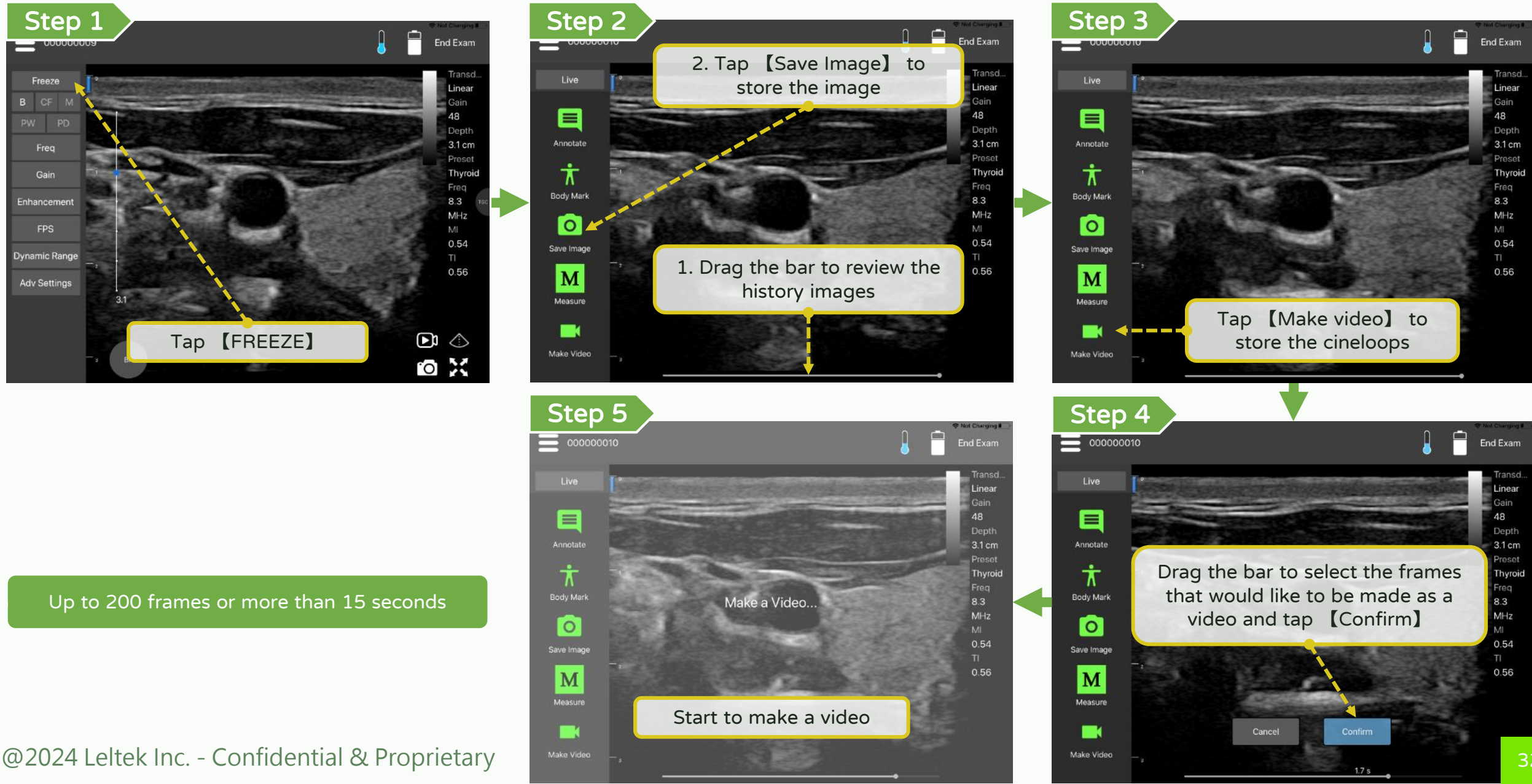


Make a video instantly for most 30 seconds

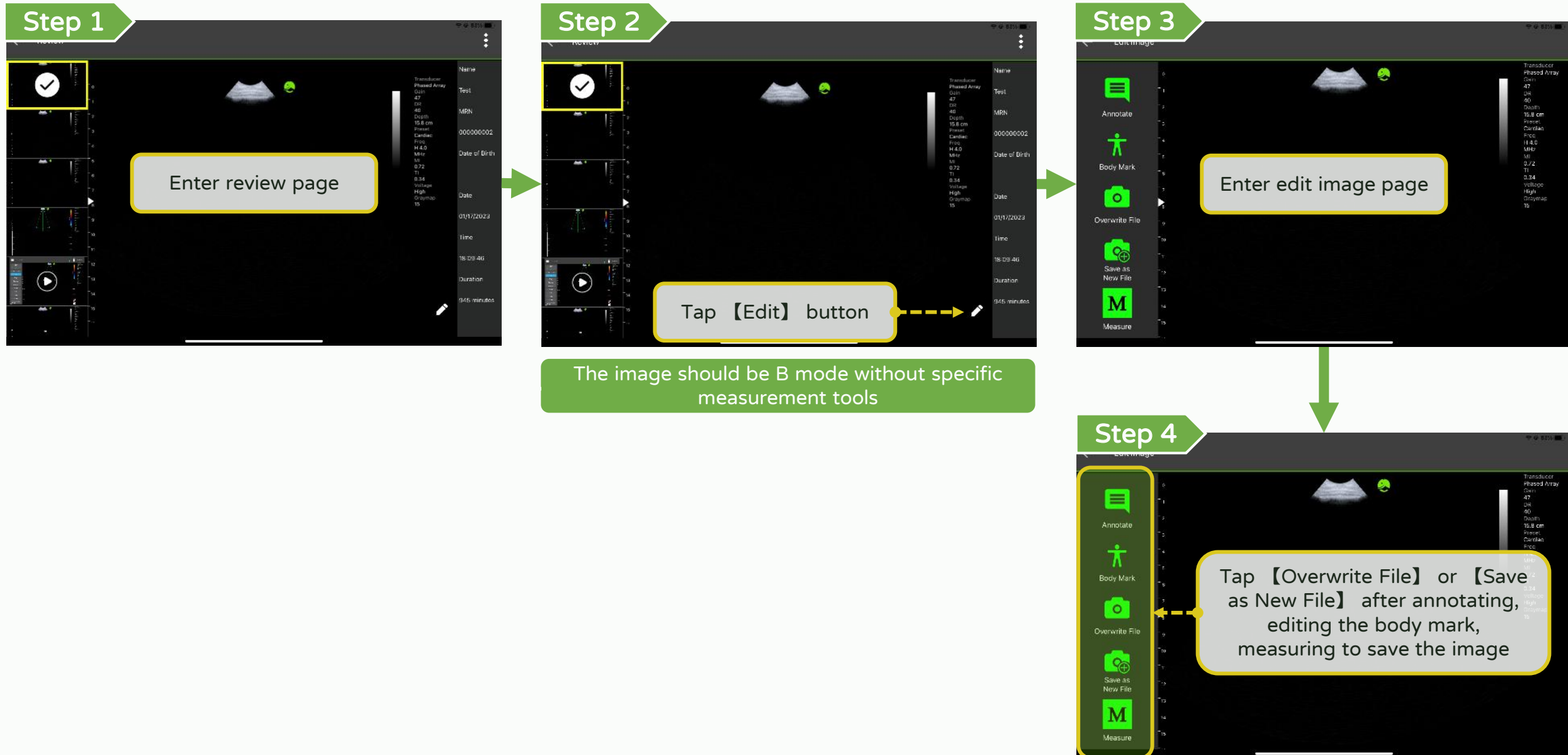
Up to 200 frames or more than 15 seconds

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

LEL TEK

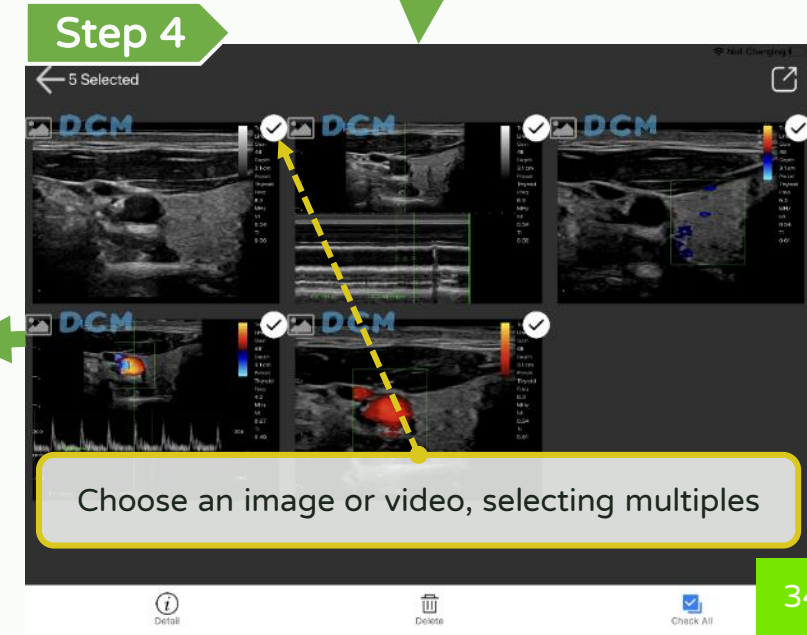
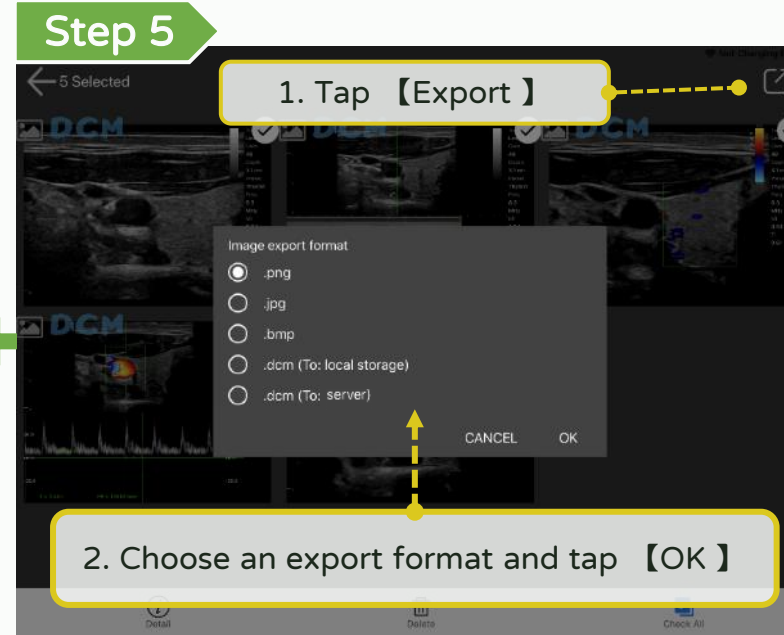
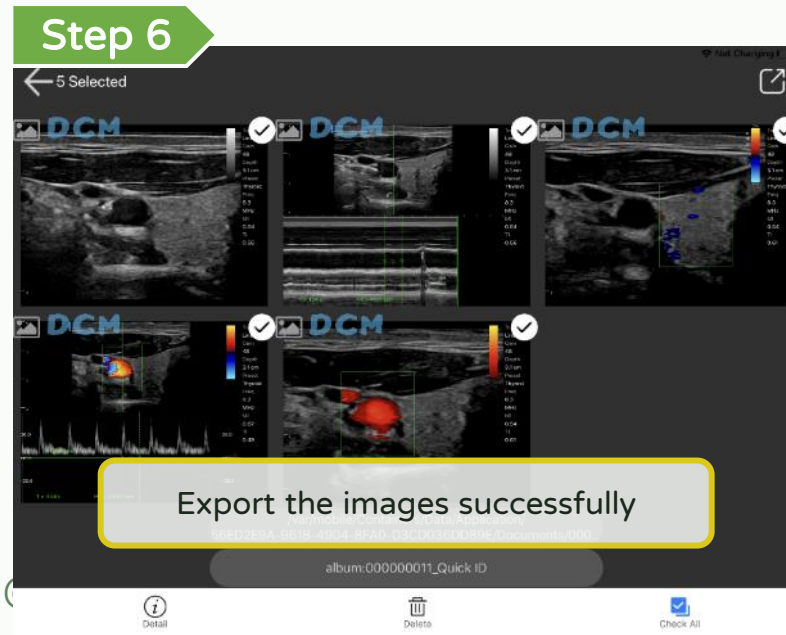
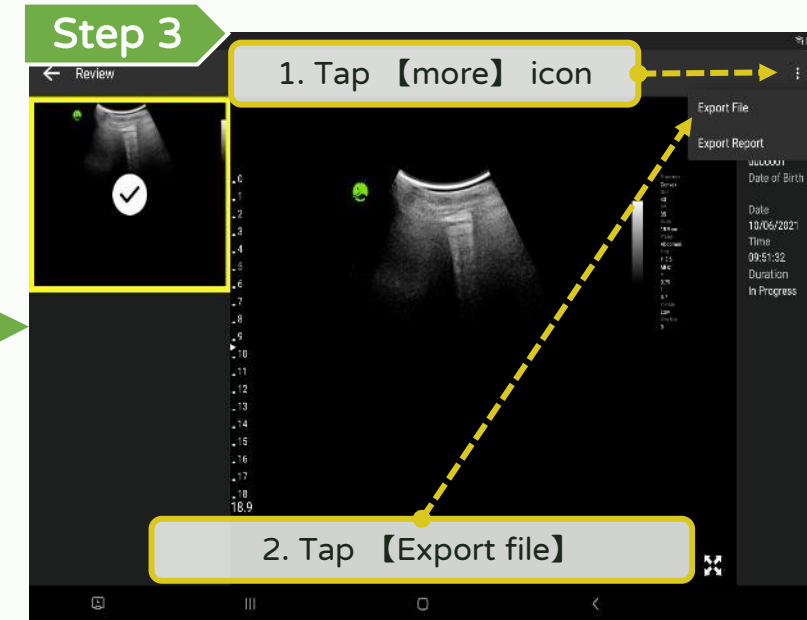
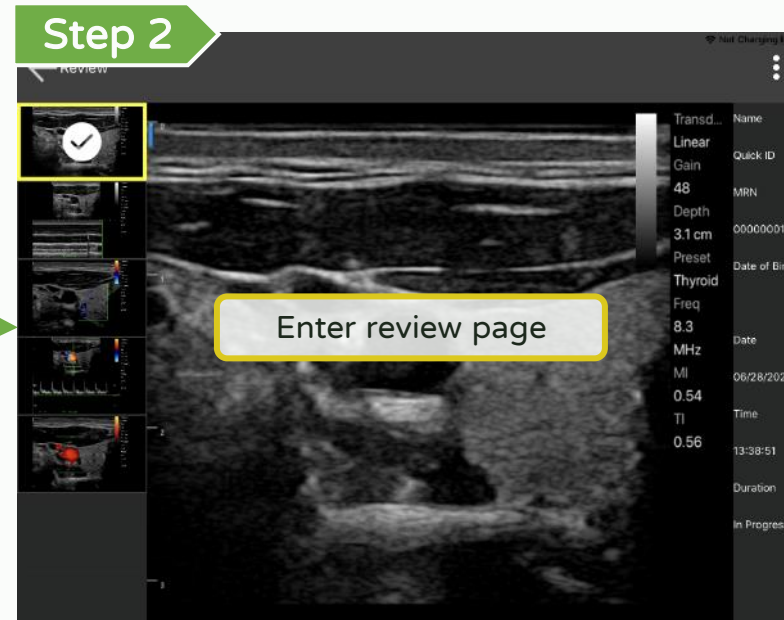
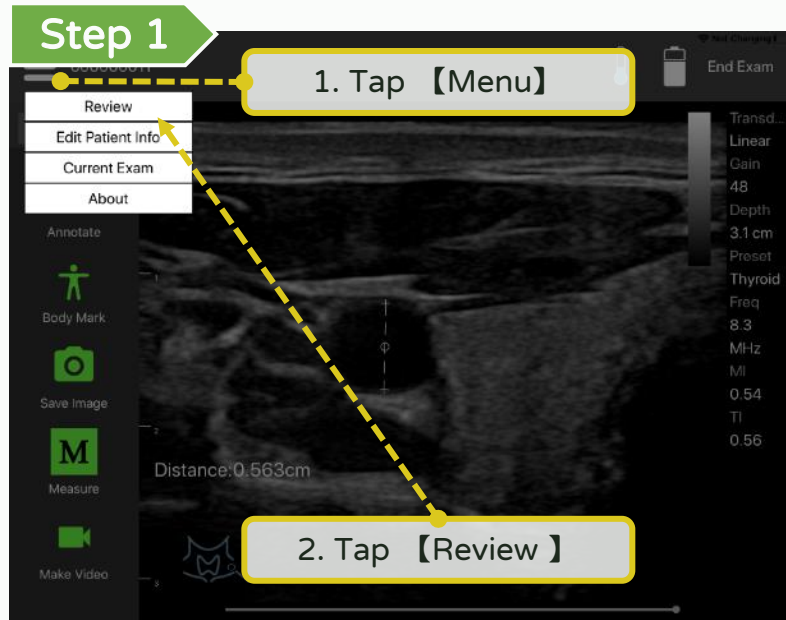


Annotate, measure and save - Re-edited & re-measured image **LEL TEK**

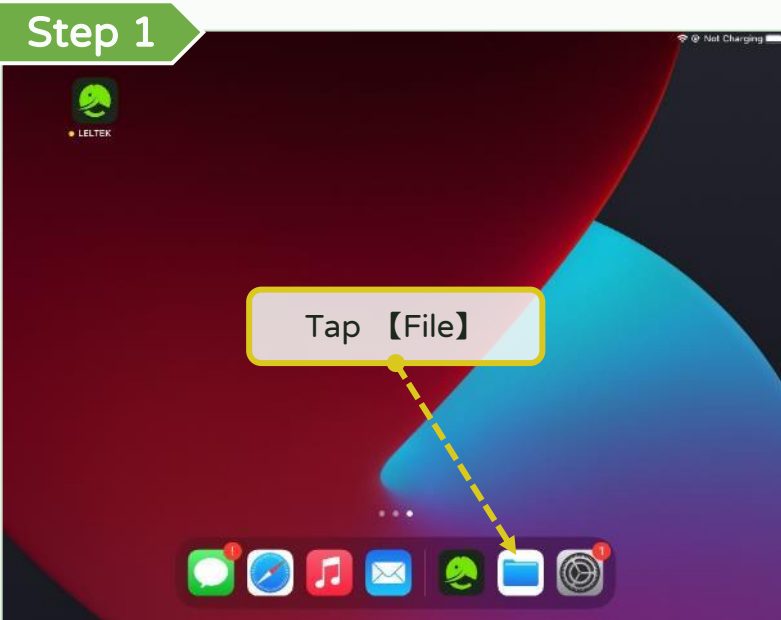


Annotate, measure and save - Export

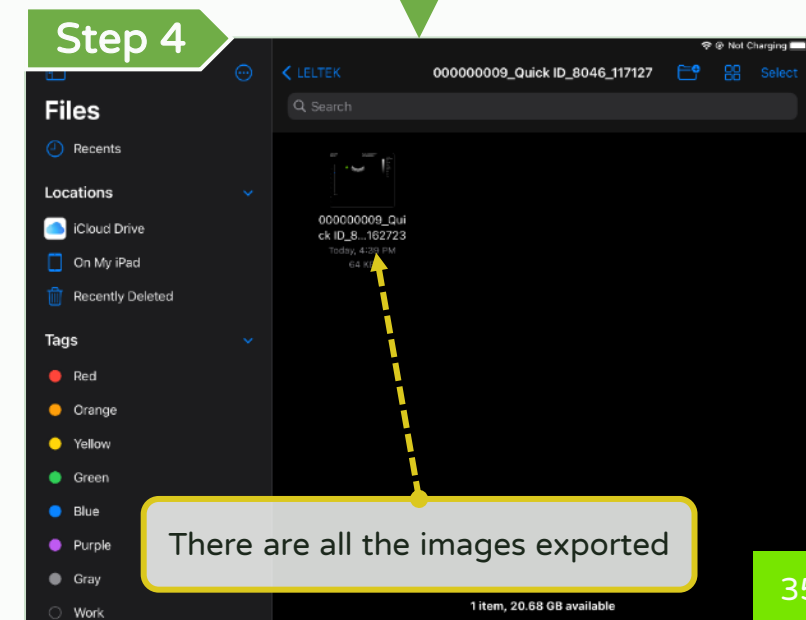
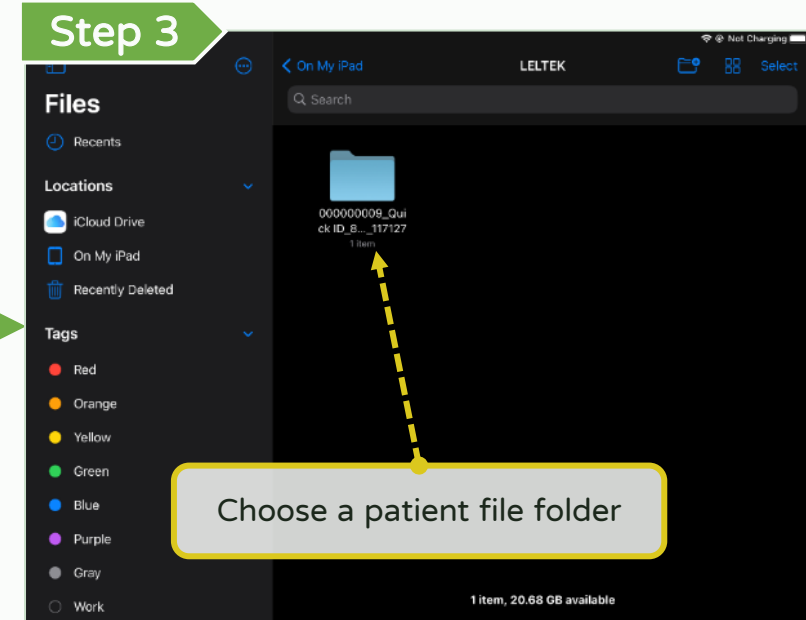
*Please export the files regularly to avoid data loss. **LEL TEK**



Annotate, measure and save - Export path

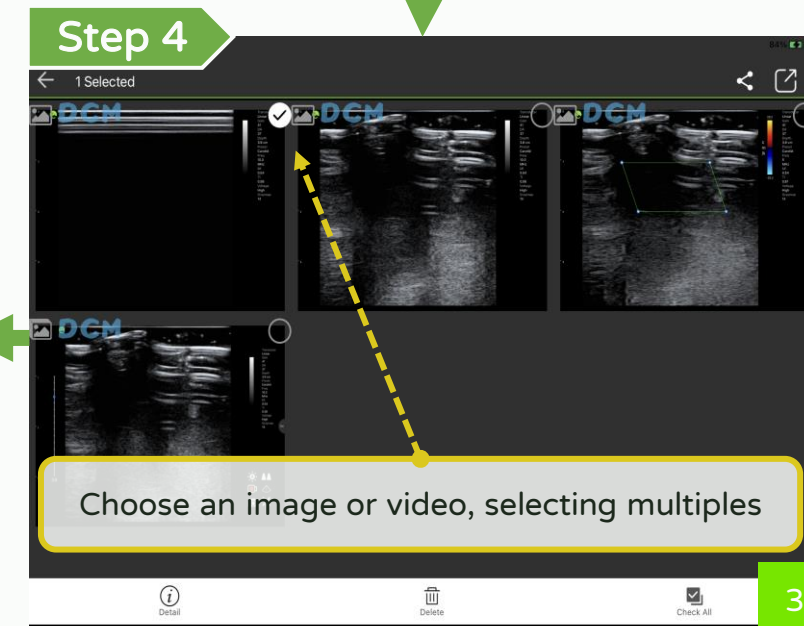
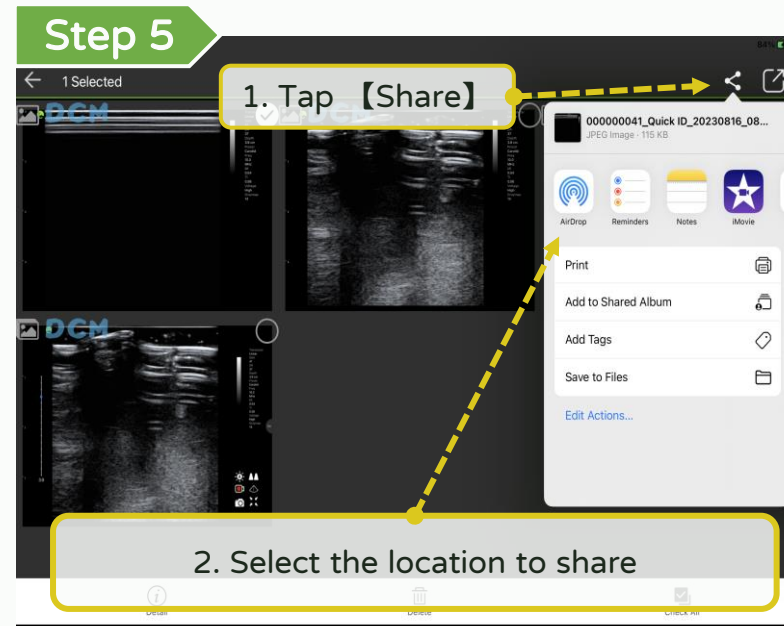
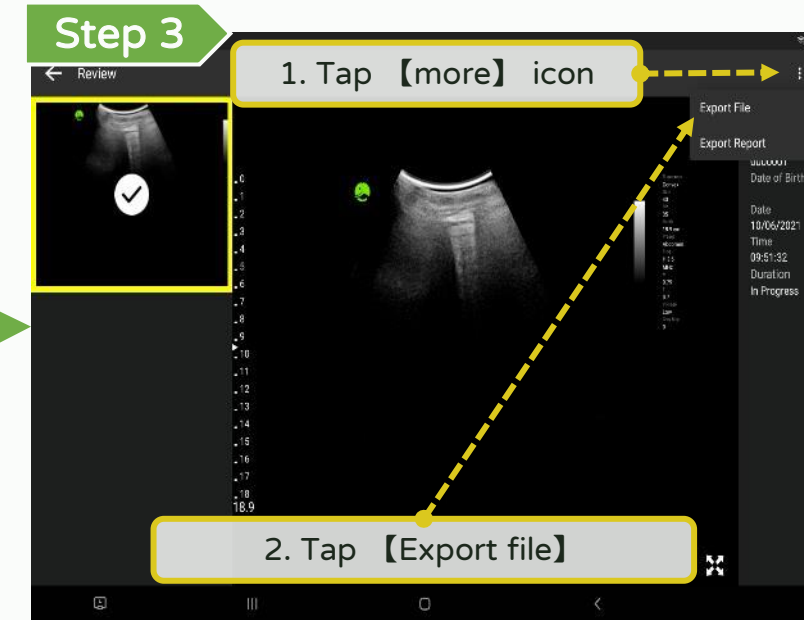
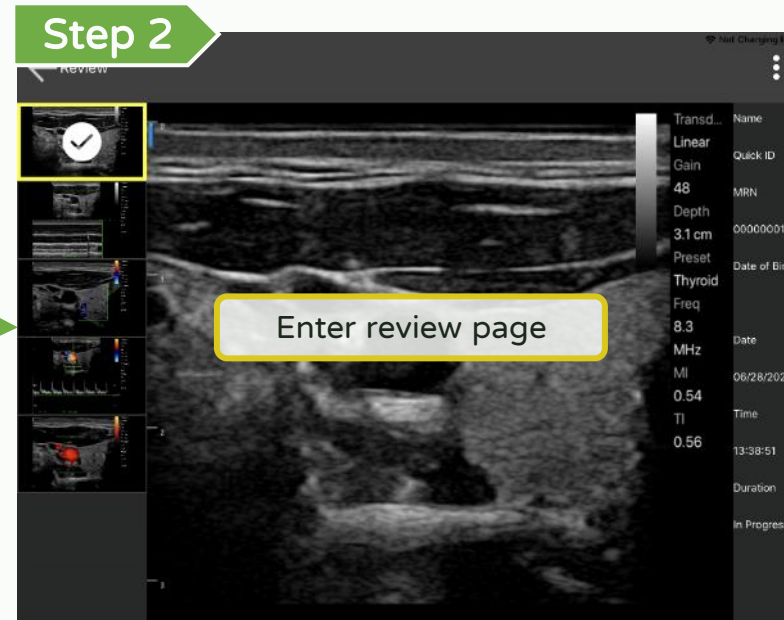
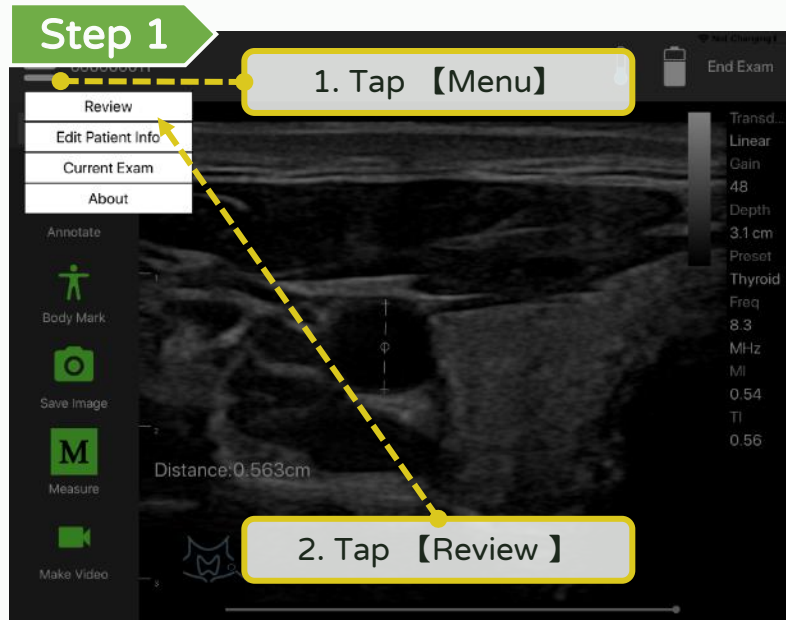


The folder where files are placed in each smart device is different, please refer to the device manual



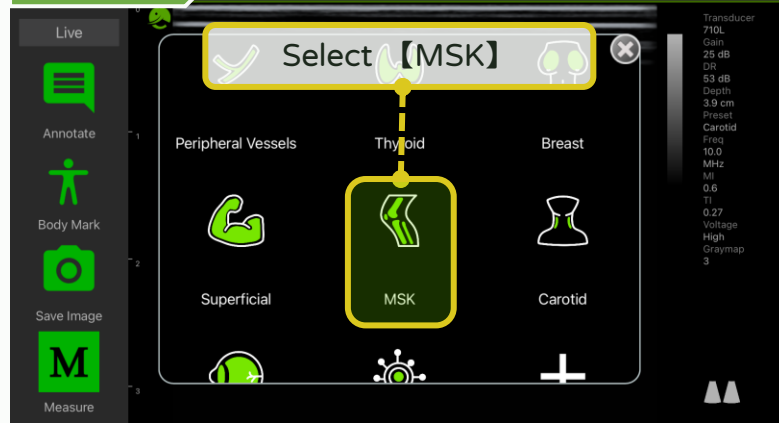
Annotate, measure and save - Share

LEL TEK

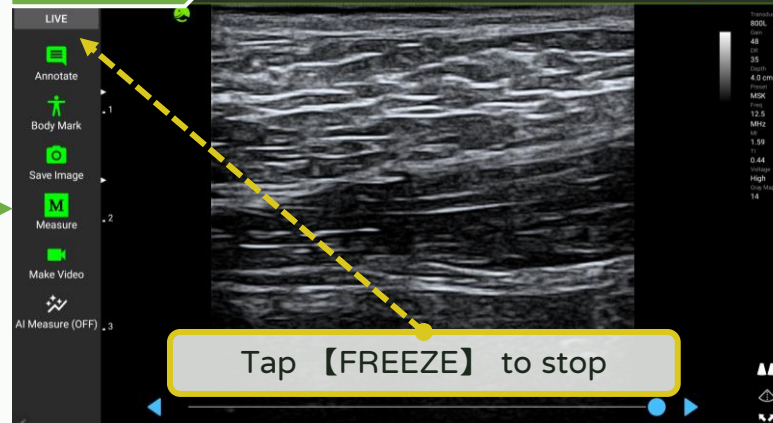


Annotate, measure and save - AI Measure (Fat)

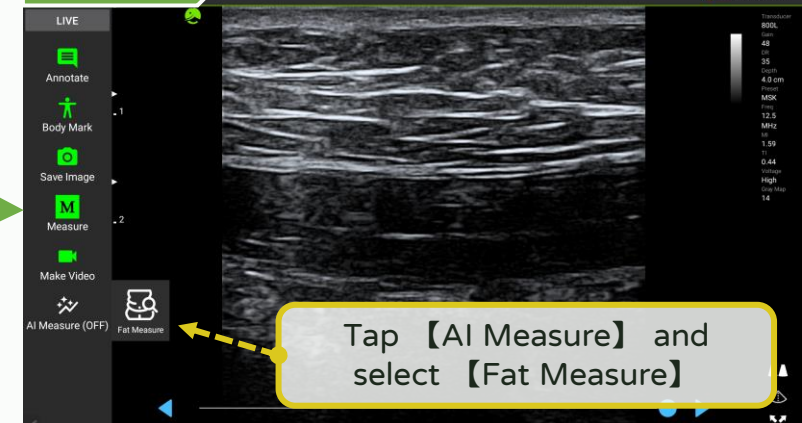
Step 1



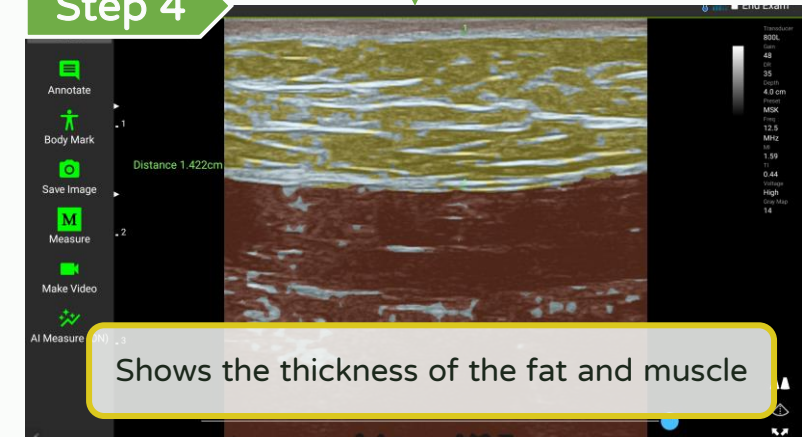
Step 2



Step 3



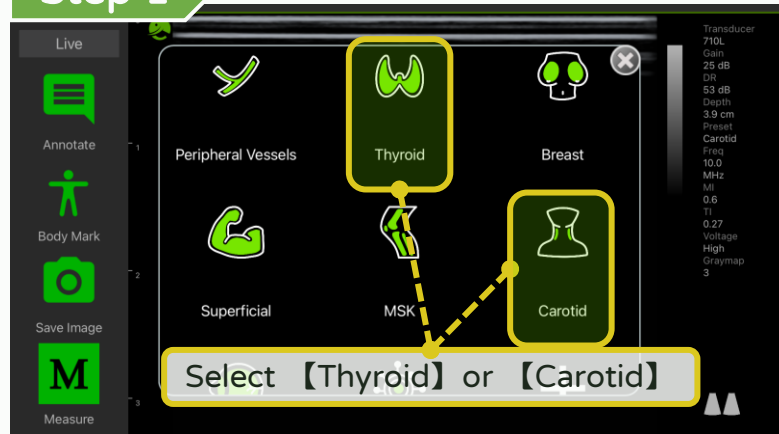
Step 4



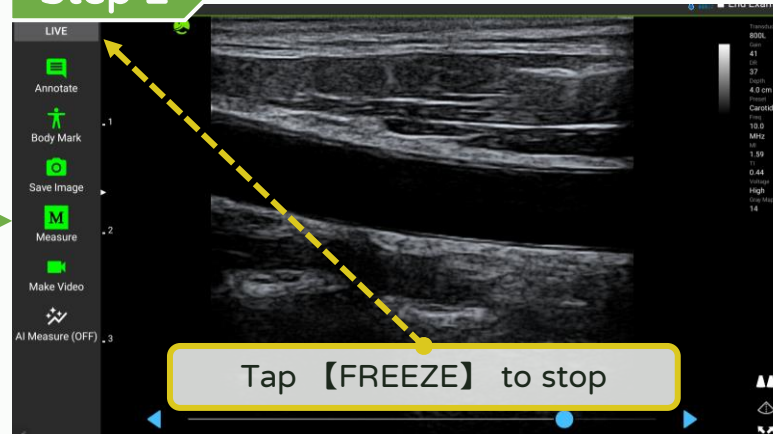
Annotate, measure and save - AI Measure (IMT)

LEL TEK

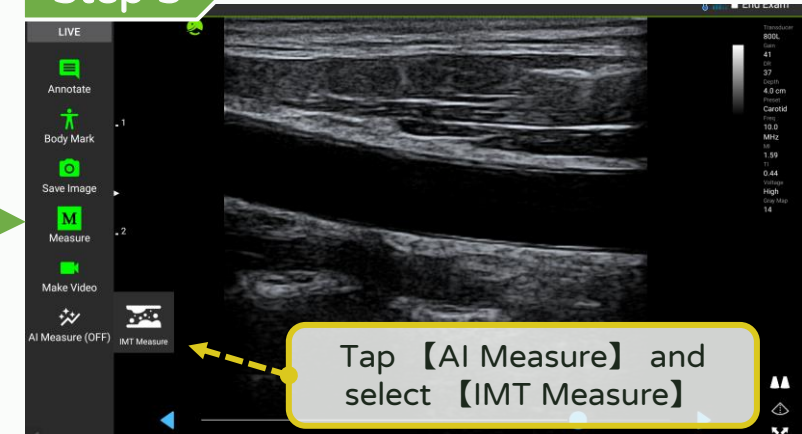
Step 1



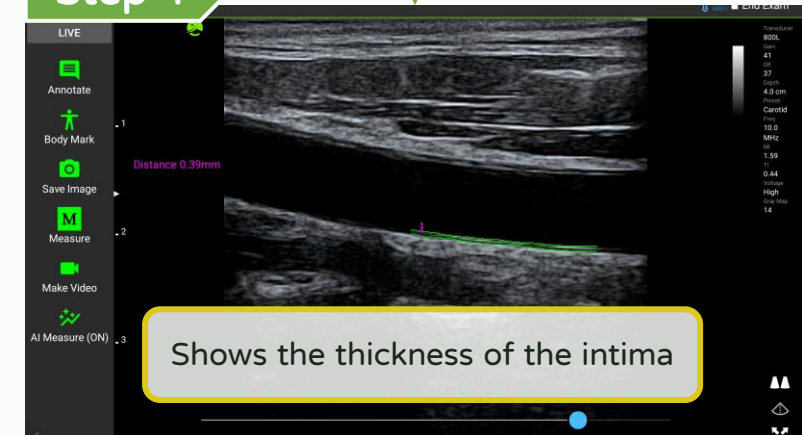
Step 2



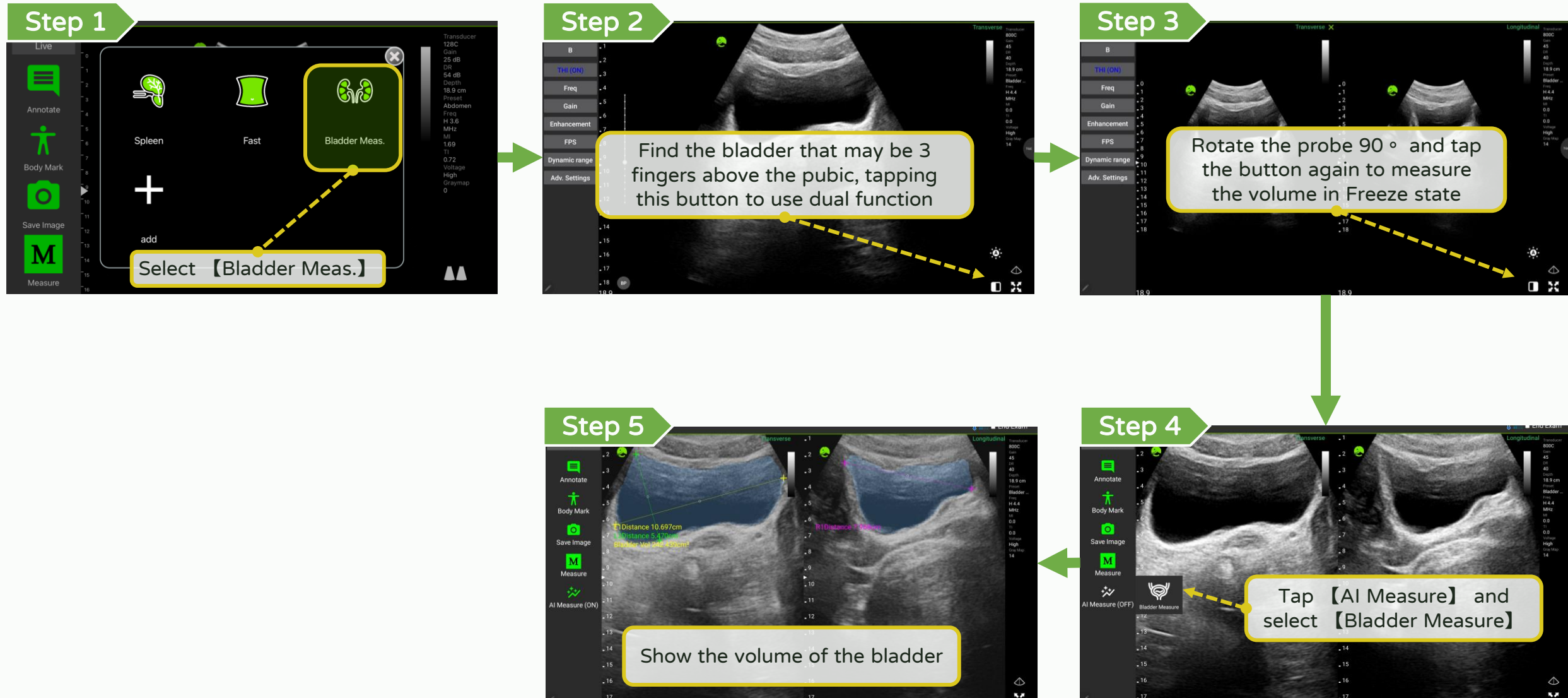
Step 3



Step 4



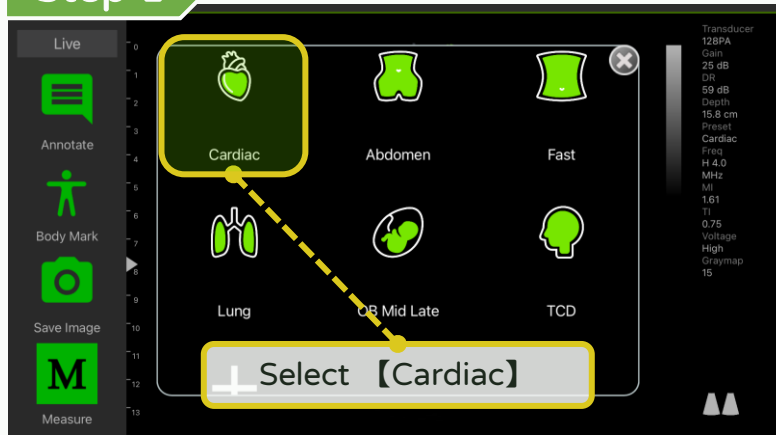
Annotate, measure and save - AI Measure (Bladder)



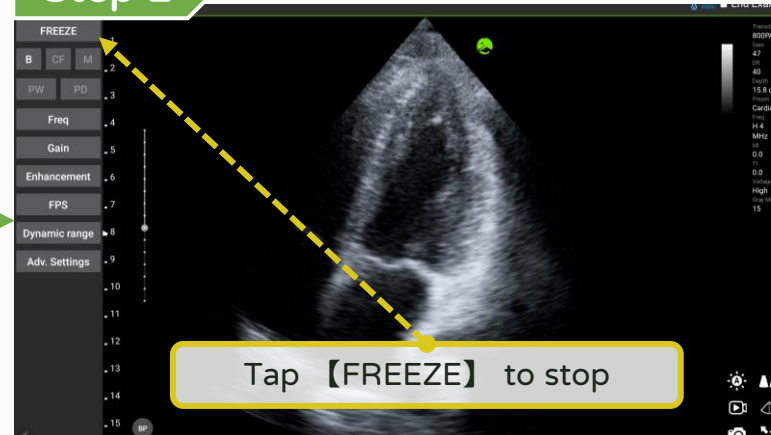
Annotate, measure and save - AI Measure (EF)

LEL TEK

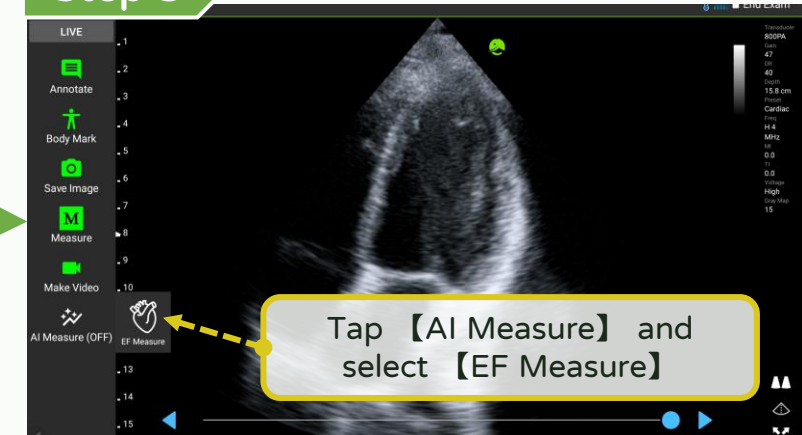
Step 1



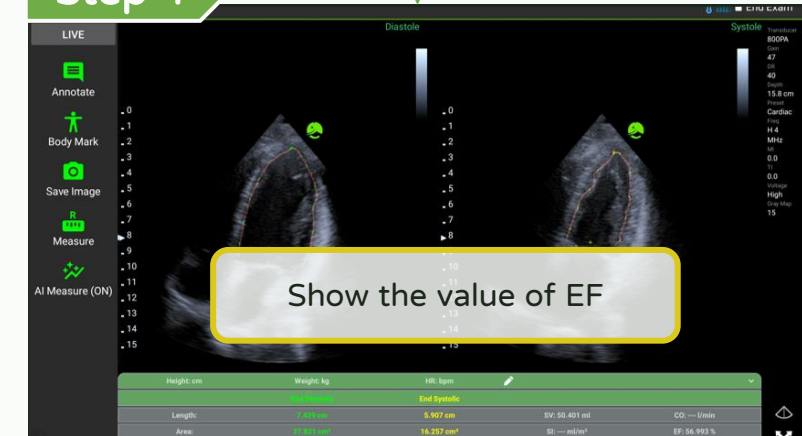
Step 2



Step 3

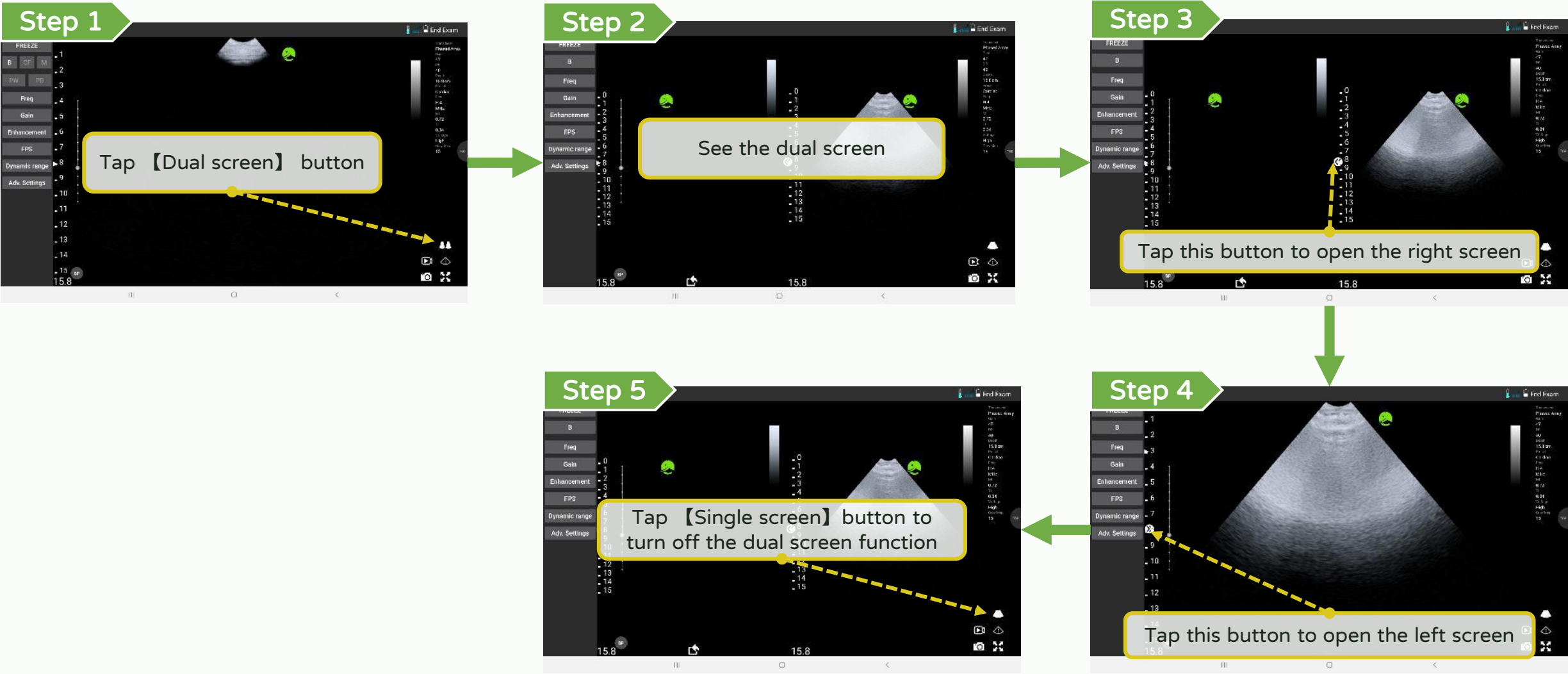


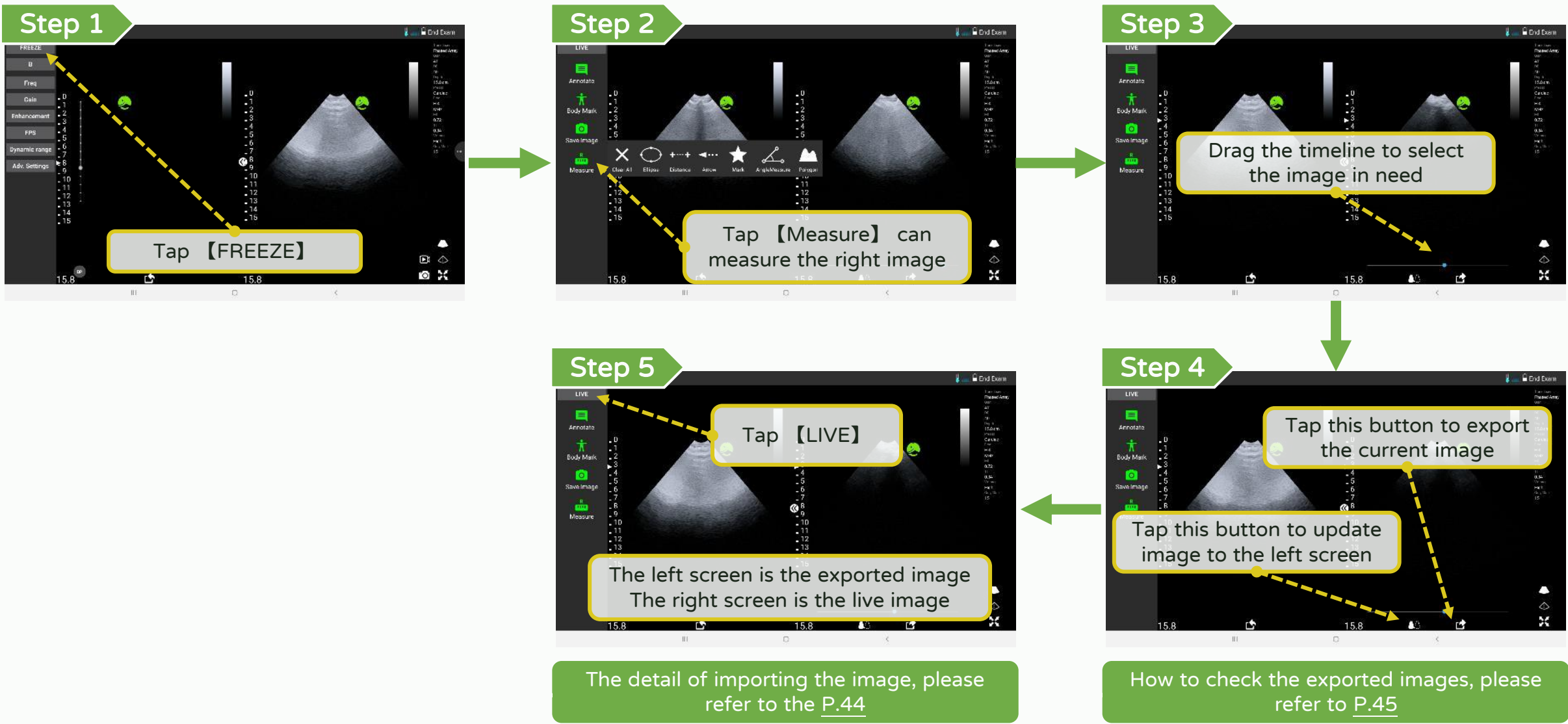
Step 4



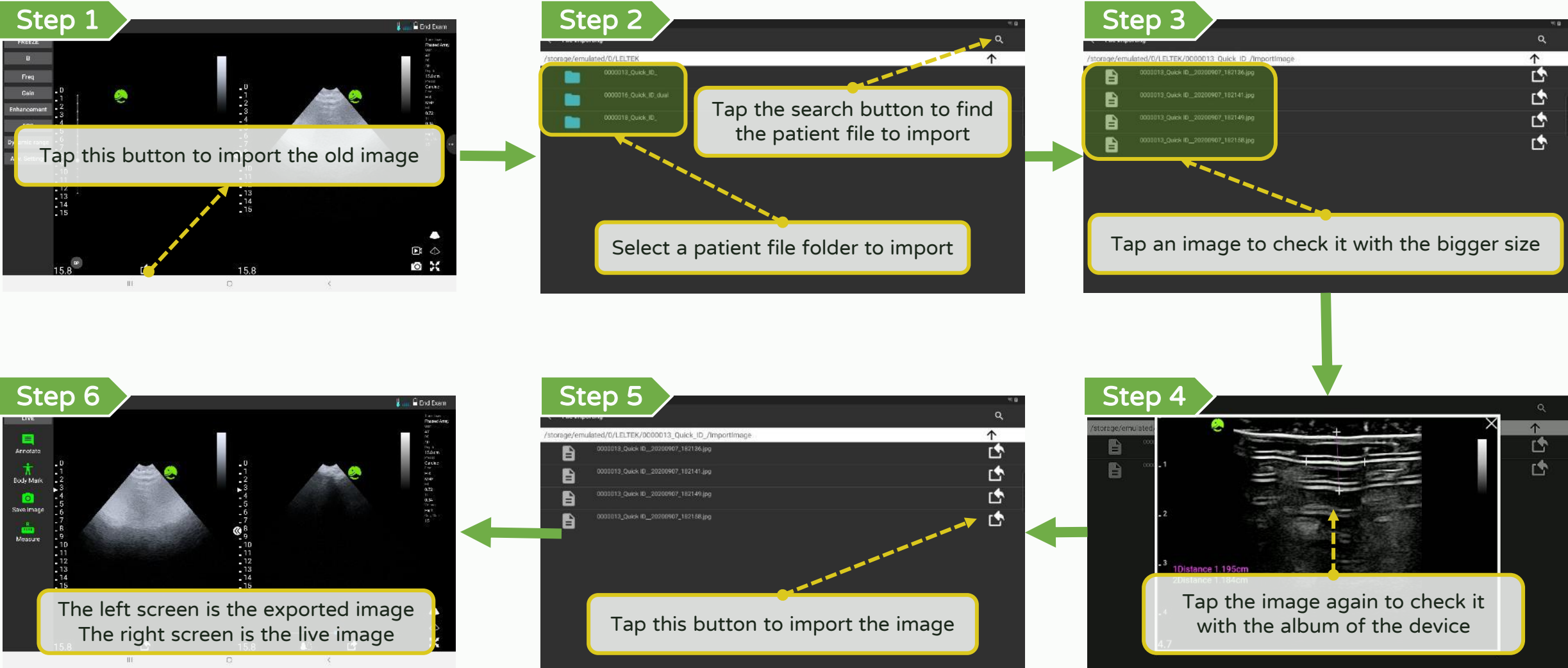
【Dual screen】

Dual Screen - Turn on / off

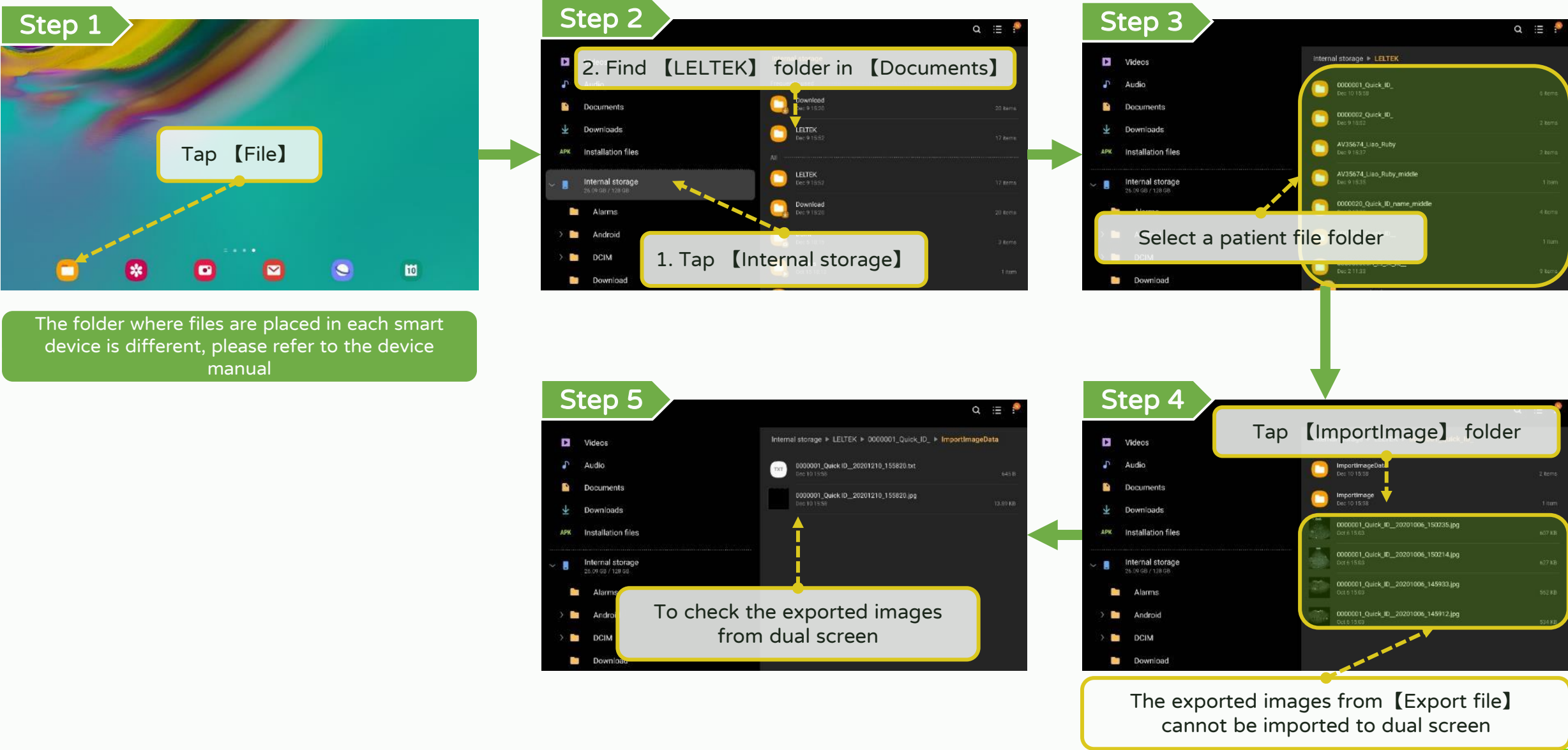




Dual Screen - Import the old image



Dual Screen - Check the image exported

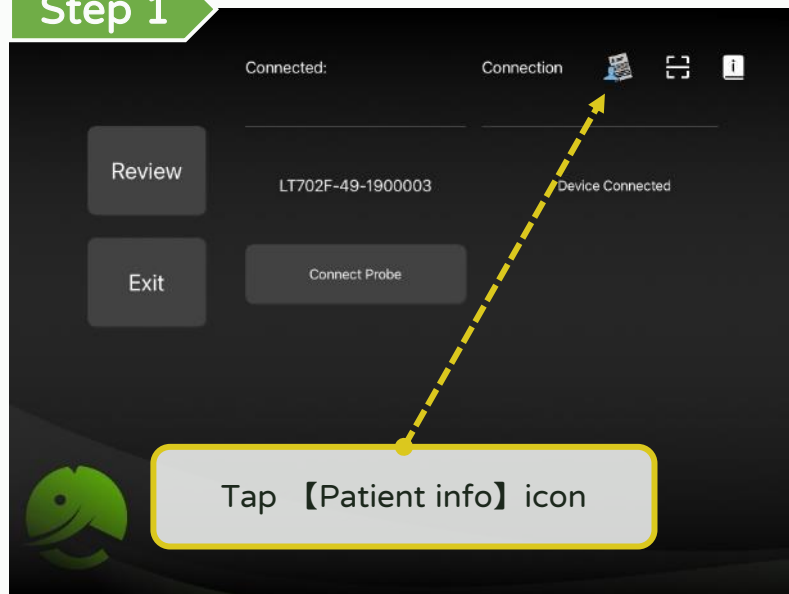


【 DICOM support 】

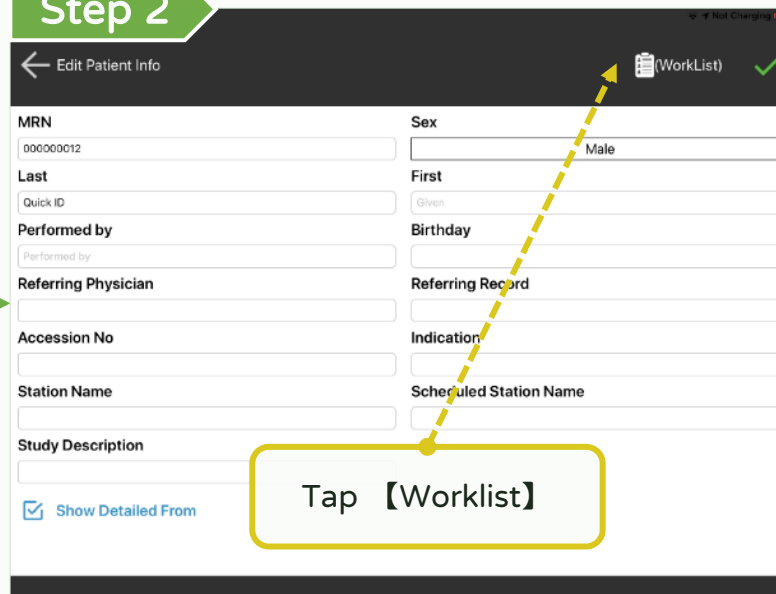
DICOM support - Download worklist (1/2)

LEL TEK

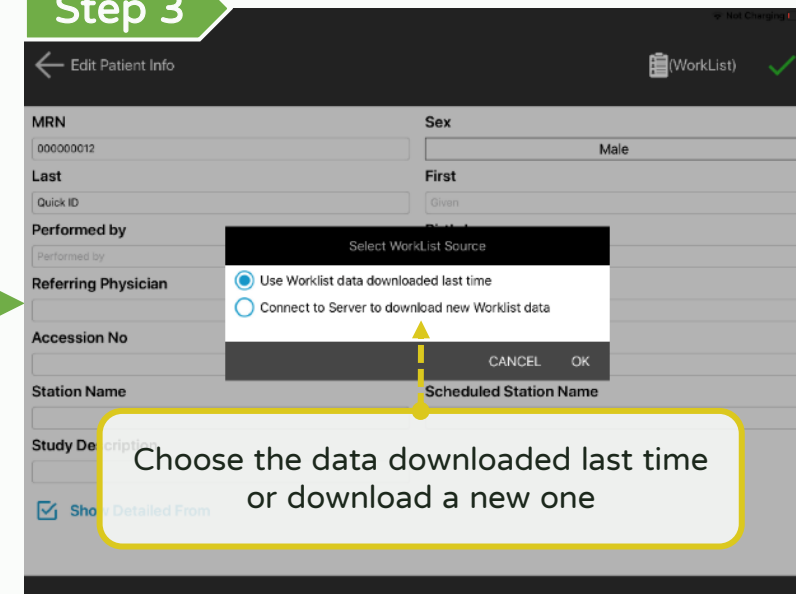
Step 1



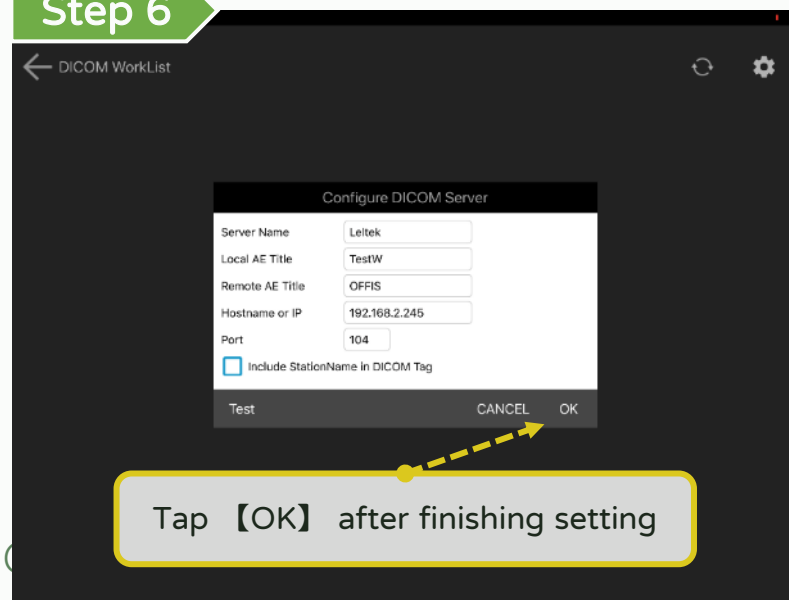
Step 2



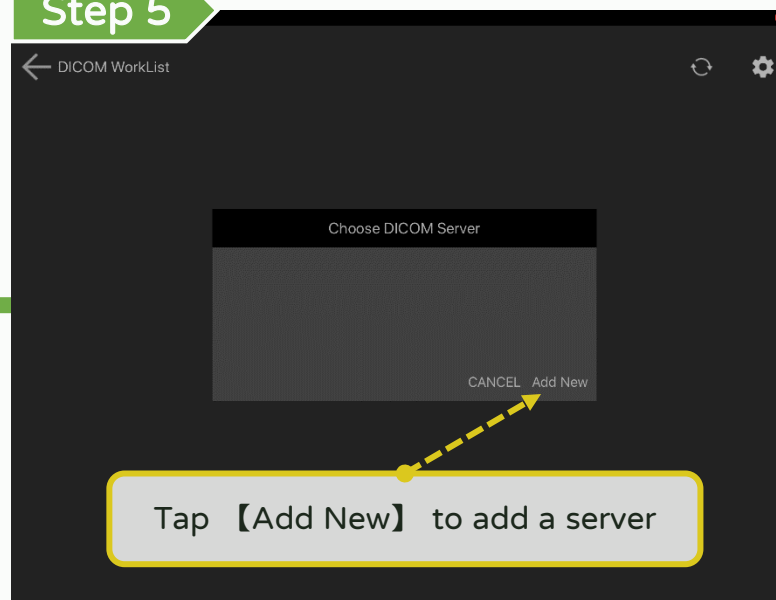
Step 3



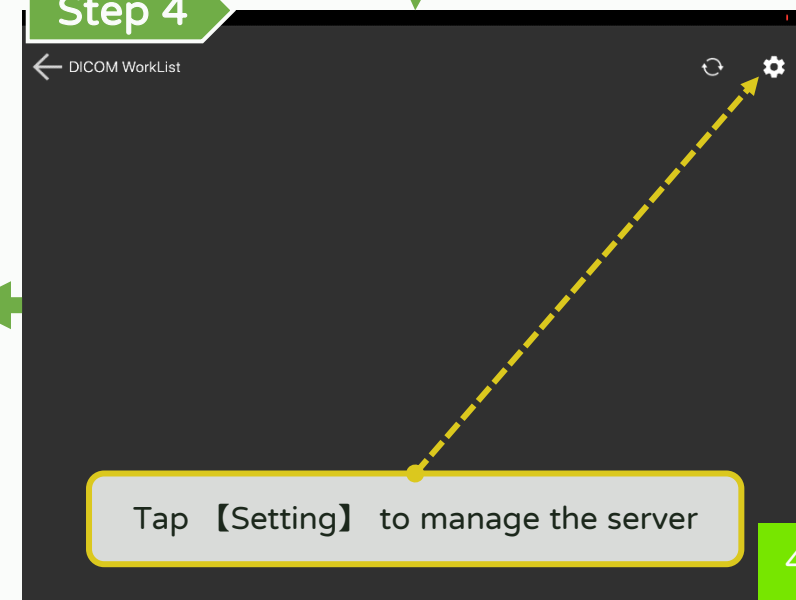
Step 6



Step 5



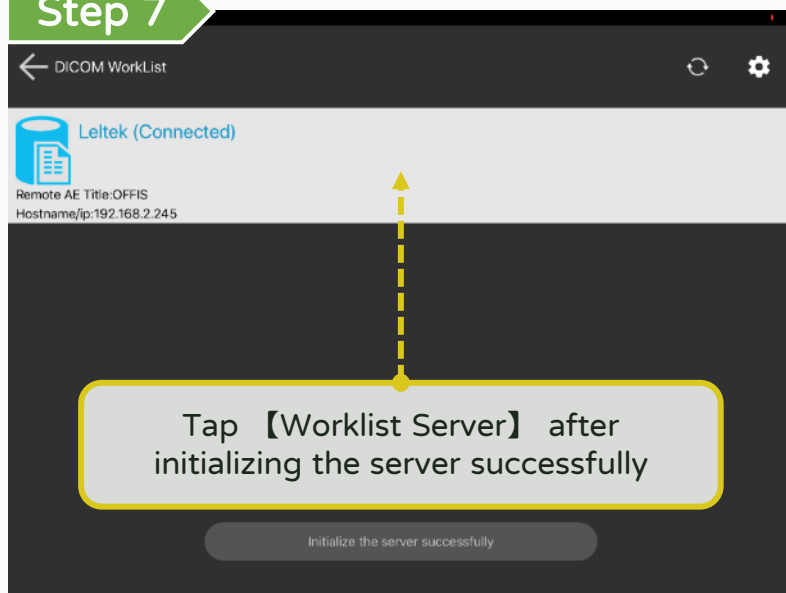
Step 4



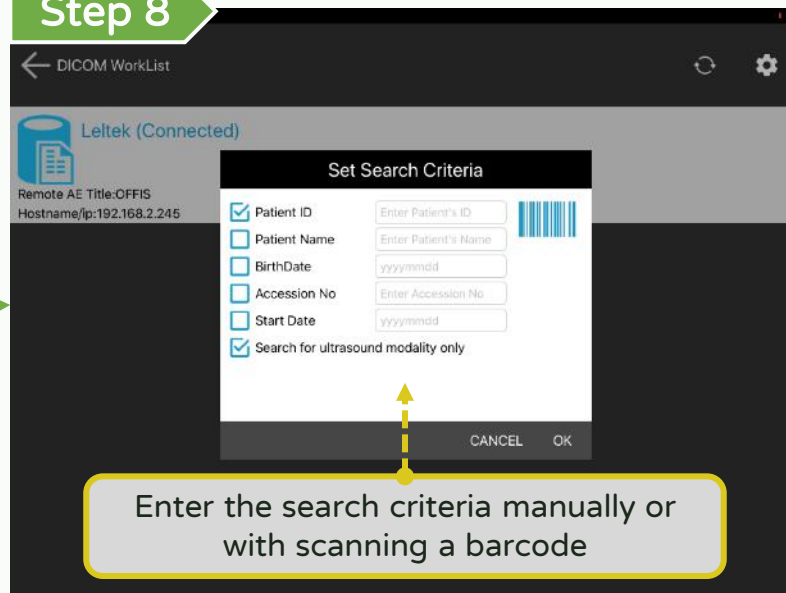
DICOM support - Download worklist (2/2)

LEL TEK

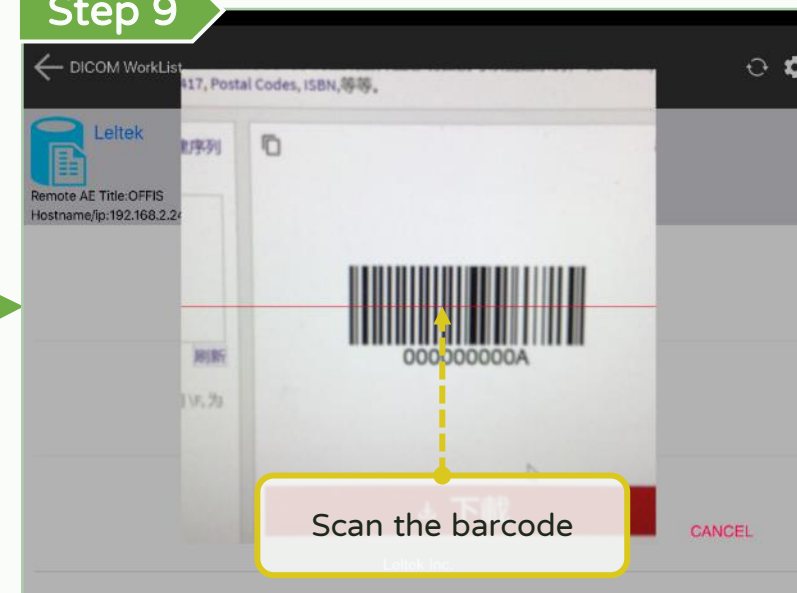
Step 7



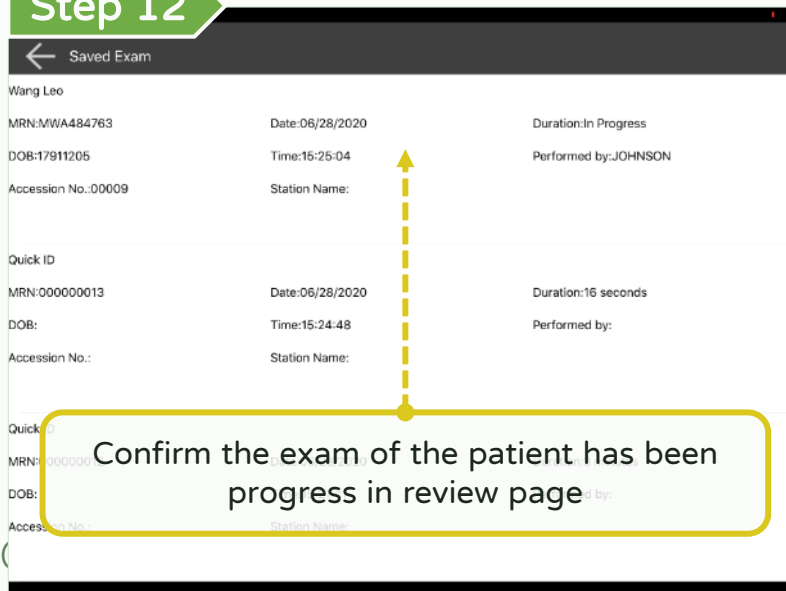
Step 8



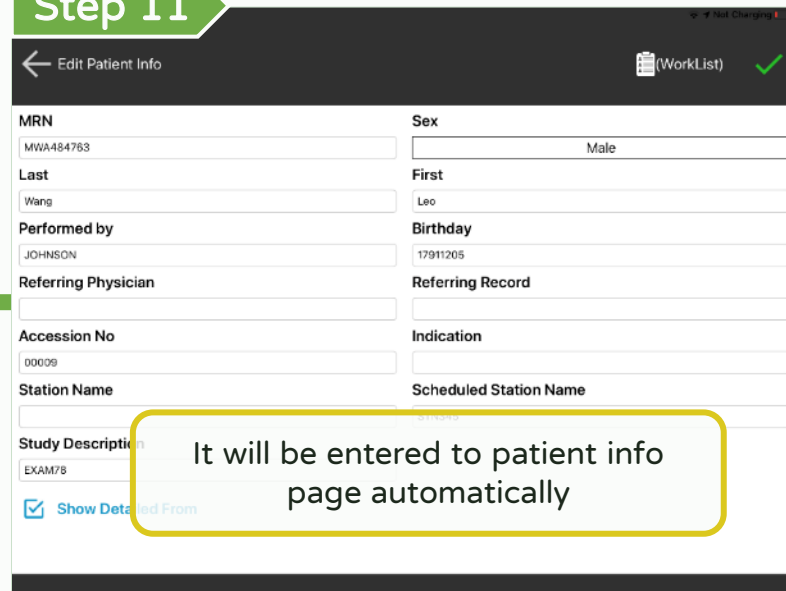
Step 9



Step 12



Step 11



Step 10

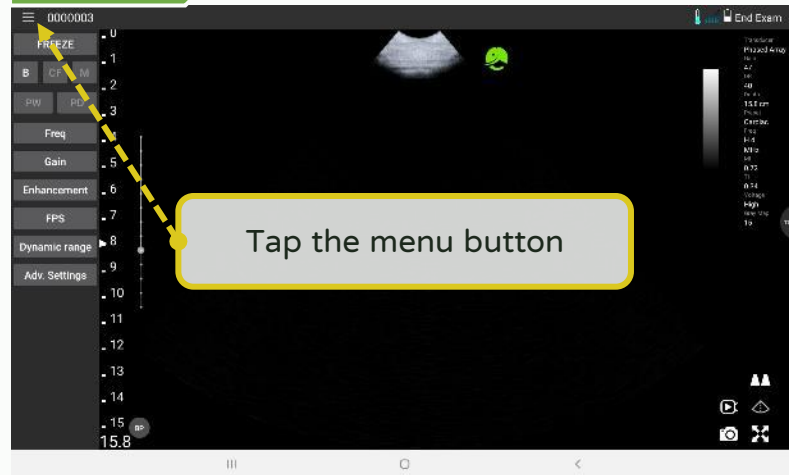


DICOM support - Make multi-frame DICOM

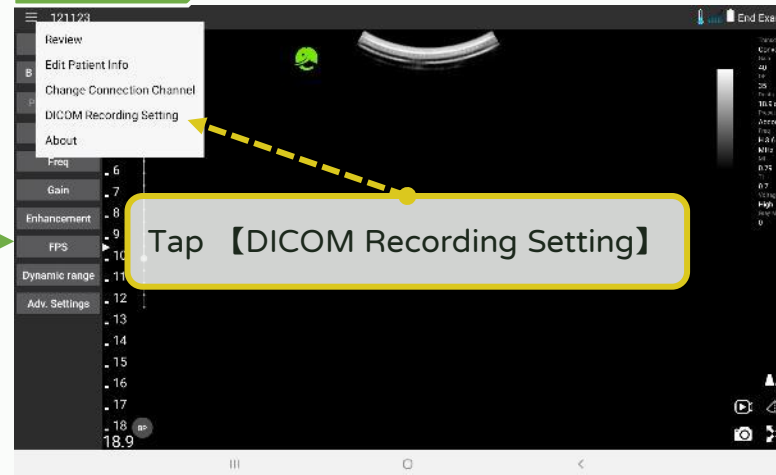
*Optional function

LEL TEK

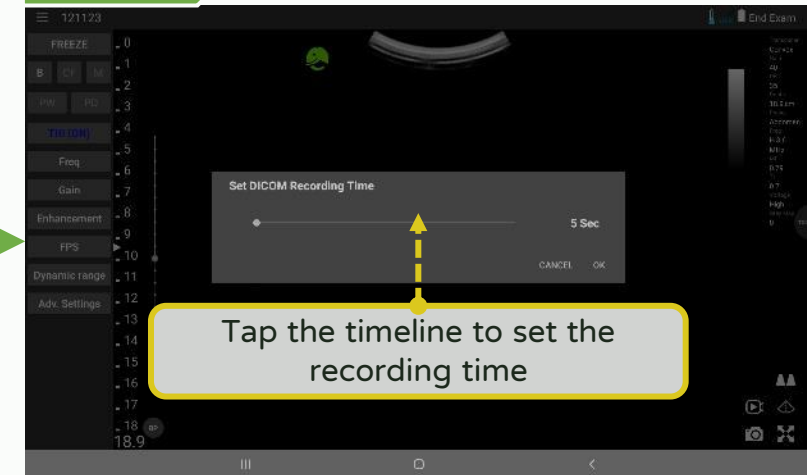
Step 1



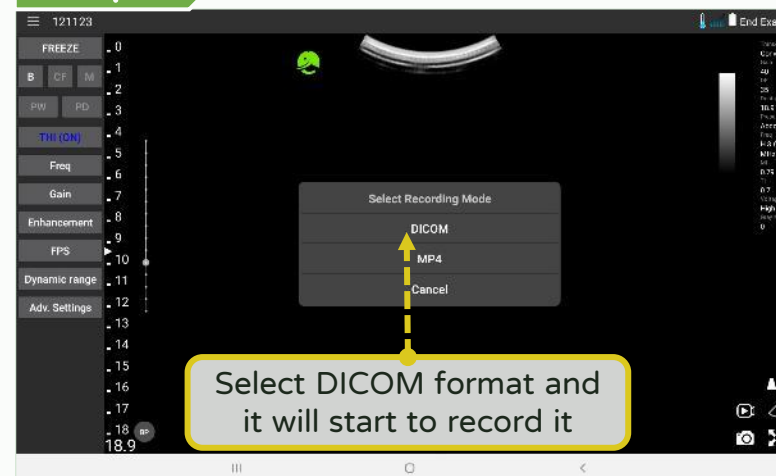
Step 2



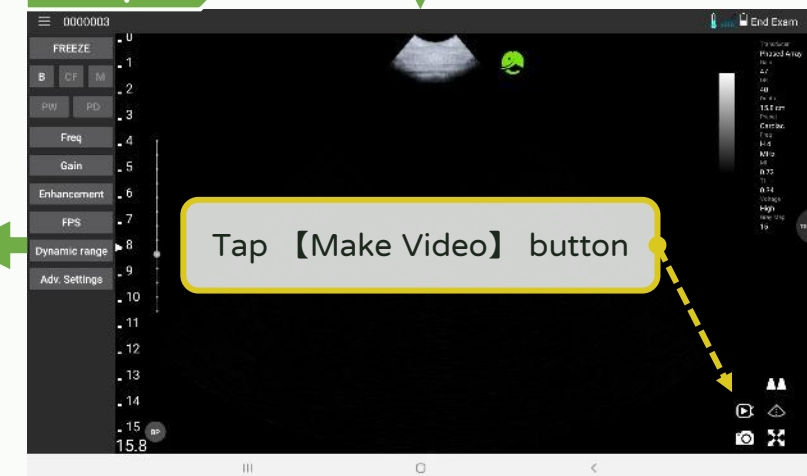
Step 3



Step 5



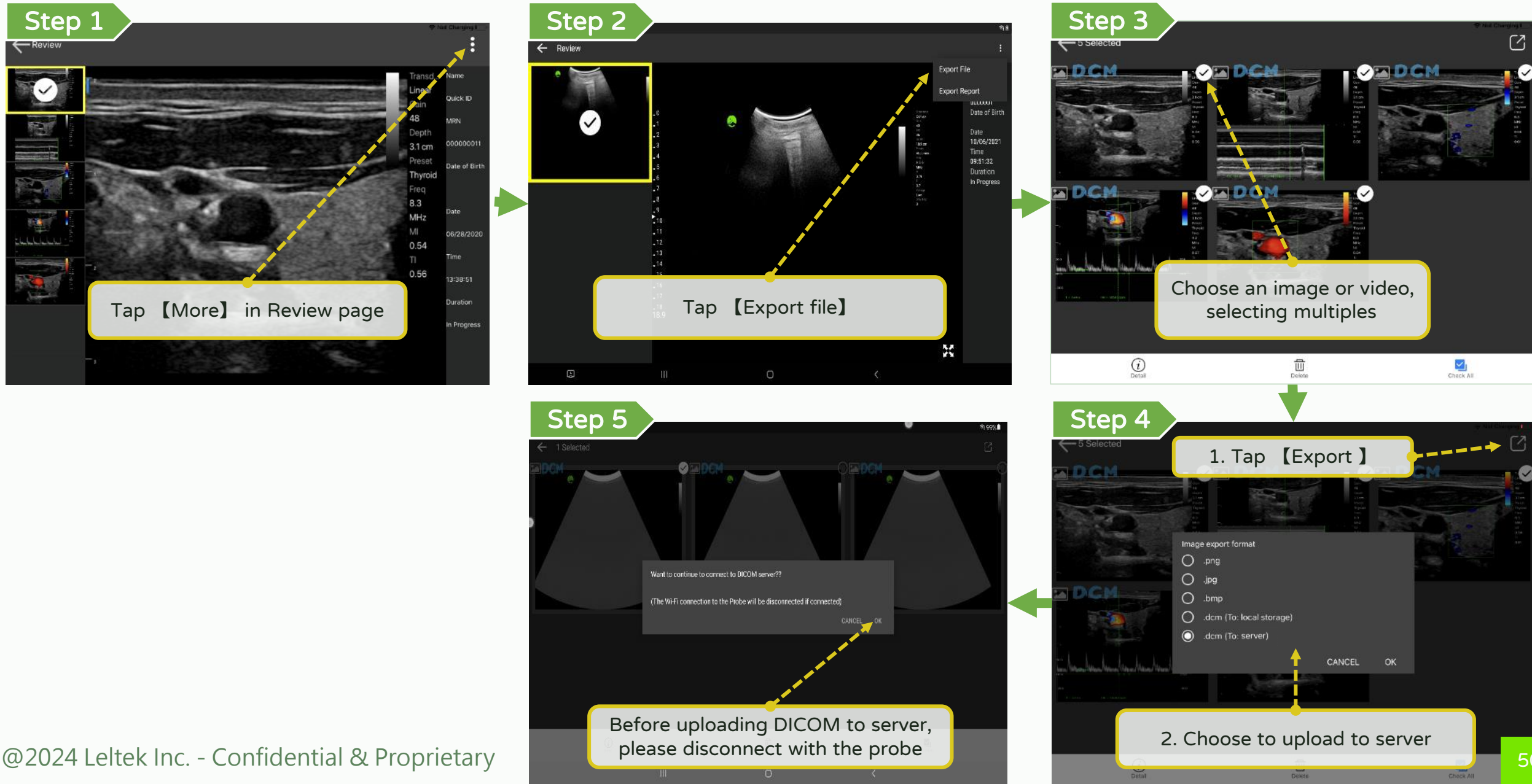
Step 4



DICOM support - Upload DICOM file (1/2)

*Optional function

LEL TEK



DICOM support - Upload DICOM file (2/2)

*Optional function **LEL TEK**

Step 6

DICOM Server Setup



Add a DICOM server

Step 7

DICOM Server Setup

Configure DICOM Server

Server Name	Leltek
Local AE Title	TestW
Remote AE Title	OFFIS
Hostname or IP	192.168.2.245
Port	104

Test CANCEL OK

Tap **【OK】** after enter DICOM server info

Step 8

DICOM Server Setup

Leltek (Connected)

Remote AE Title:OFFIS
Hostname/ip:192.168.2.245

Upload Status:1/5



It will upload the files after initializing the server successfully

Step 9

DICOM Server Setup

Leltek (Not Connected)

Remote AE Title:OFFIS
Hostname/ip:192.168.2.245

Upload DICOM files successfully

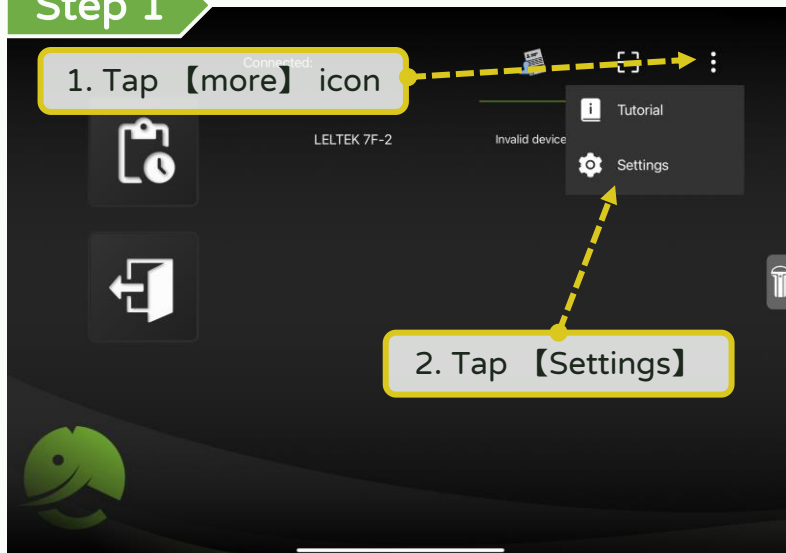
Send DICOM file Completed !!

【 Run App on MAC M-series device】

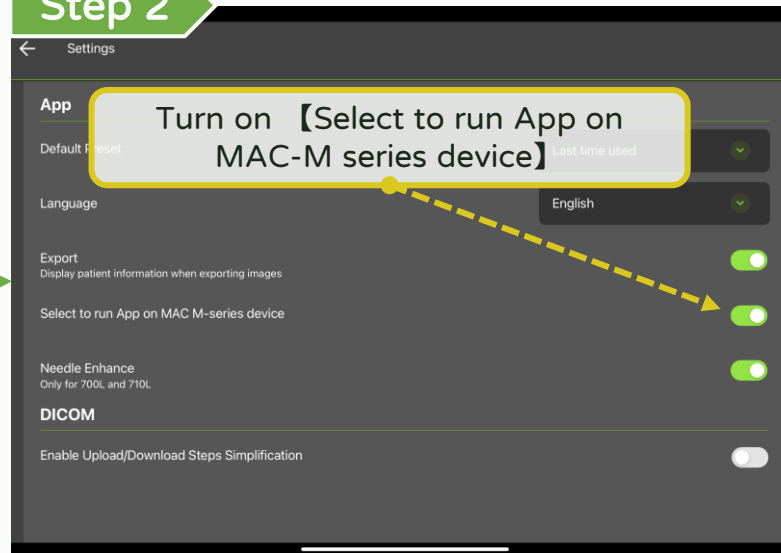
Run App on MAC M-series device

LEL TEK

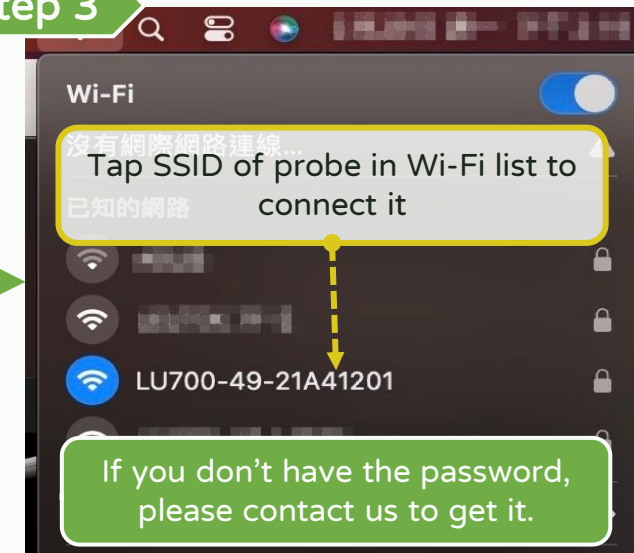
Step 1



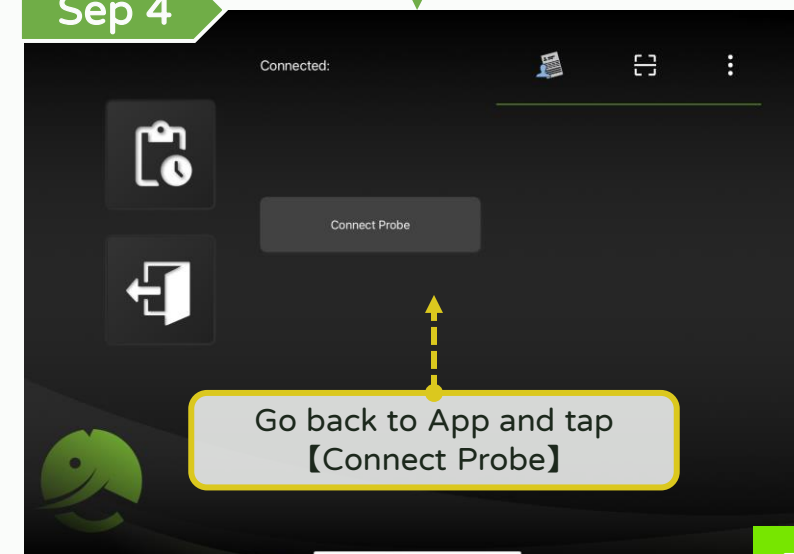
Step 2



Step 3



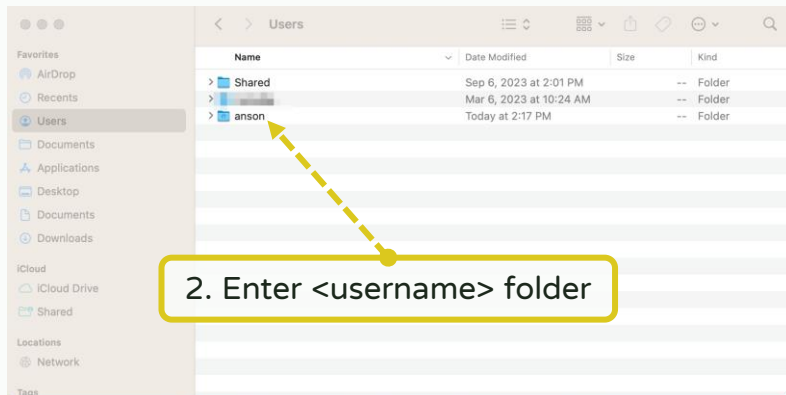
Sep 4



Find the images exported on MAC M-series device

Step 1

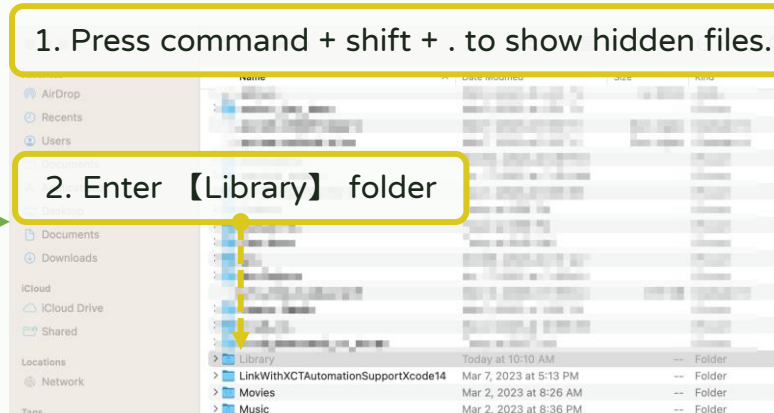
1. Turn on **Finder**



Step 2

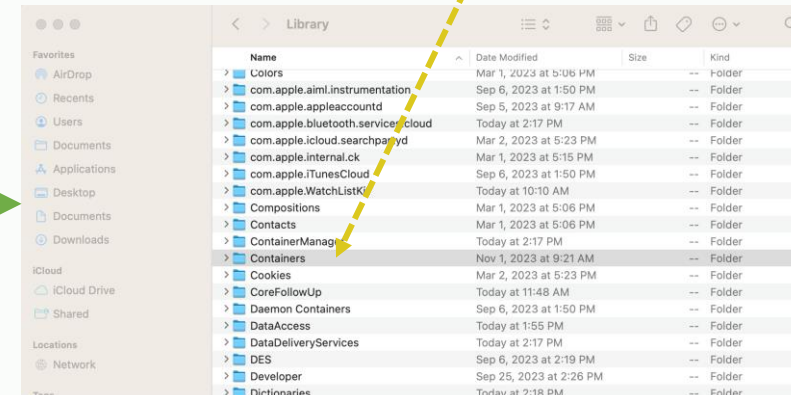
1. Press command + shift + . to show hidden files.

2. Enter **Library** folder

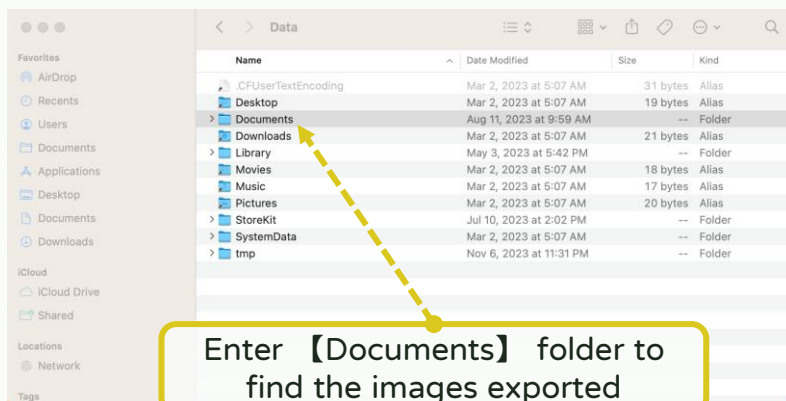


Step 3

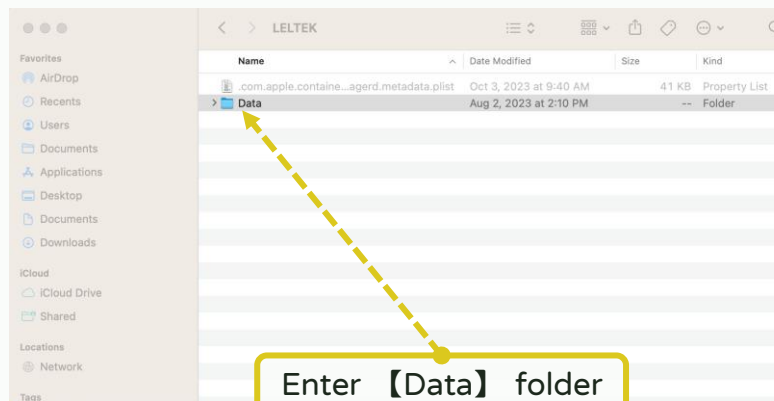
Enter **Containers** folder



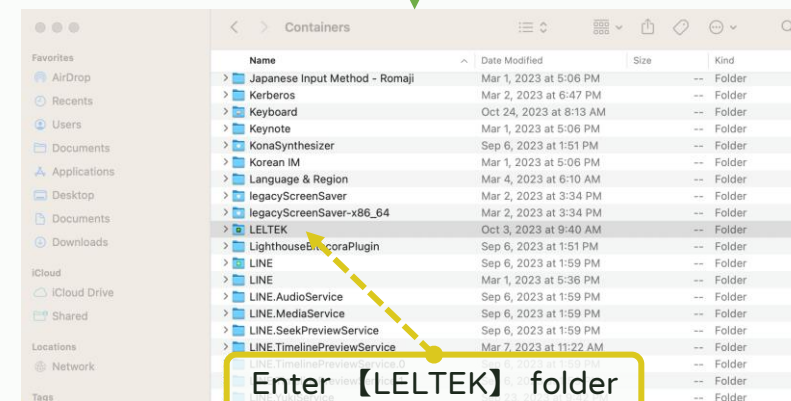
Step 6



Step 5

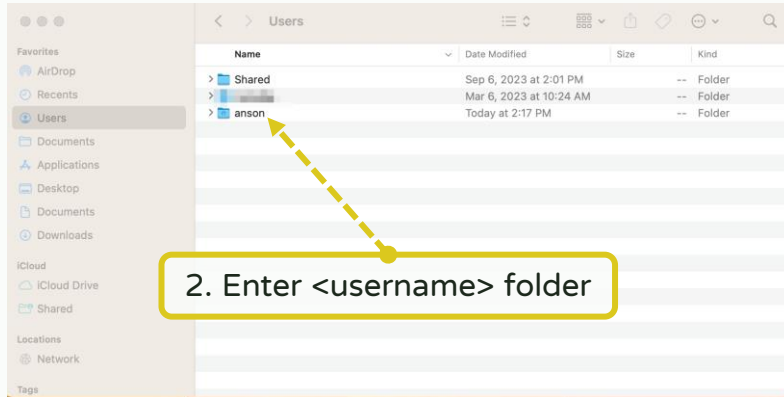


Step 4

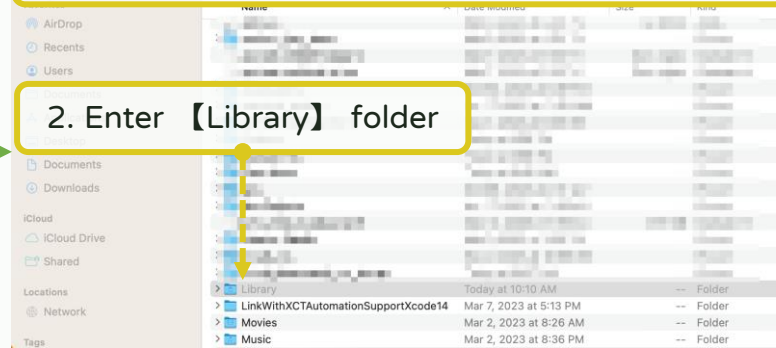


Create shortcut for the image exported folder on MAC M-series device

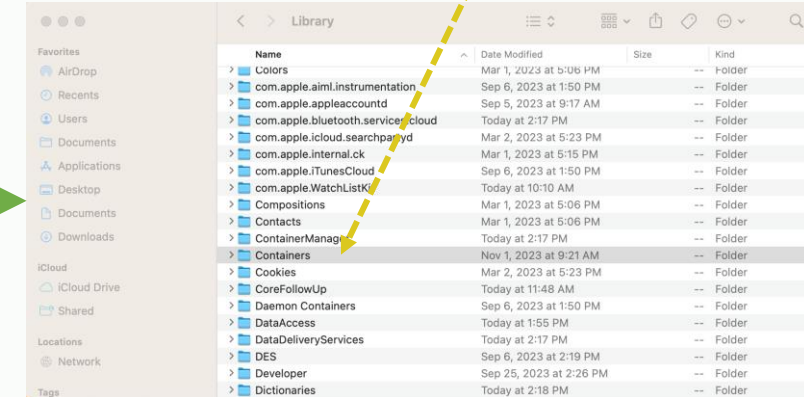
Step 1 1. Turn on 【Finder】



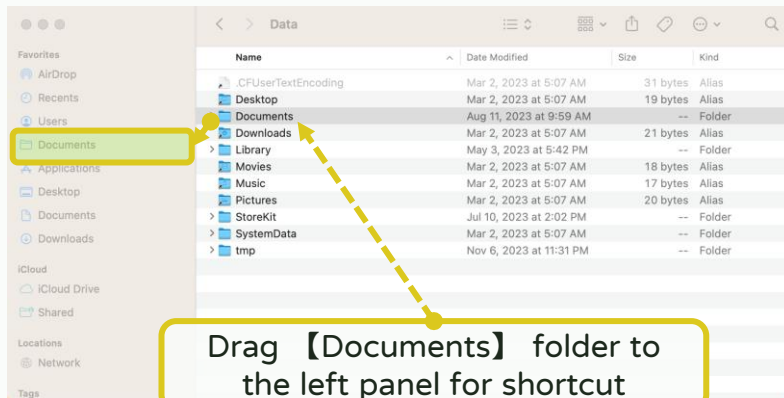
Step 2 1. Press command + shift + . to show hidden files.



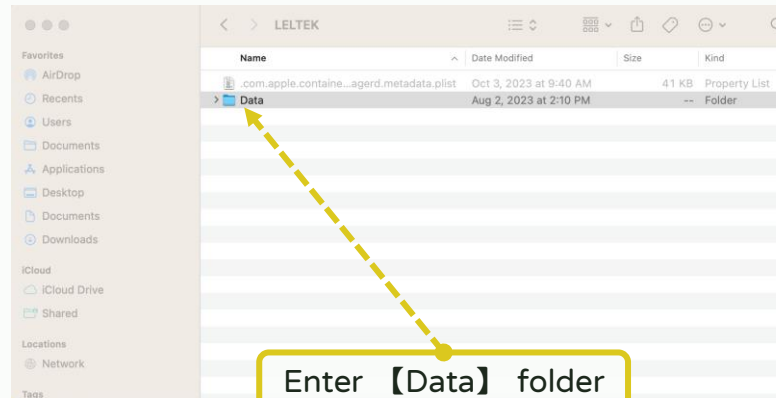
Step 3 Enter 【Containers】 folder



Step 6



Step 5



Step 4

