IBEX

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, 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】

Boot up and connection - Turn on/off probe (LK128 series)

Power & Freeze Button

Turn on: Press and hold the power button until the light turns purple.

Turn off: Press and hold the power button until the light turns off.

Power Button Indicator Light

Lights Off
The device is powered off.

Purple Light
The device is powered on but not connected.

White Light
The device is powered on and connected via Wi-Fi.

Battery Indicator Light

4 lights indicate full charge, 1 light indicates low battery

Boot up and connection - Turn on/off probe (LU700 series)

Step 1

Turn on: Pressing the power button for 3 seconds

Turn off: Pressing the power button for 3 seconds

Step 2

Blue light
<Charging>

Lights out
<Power OFF>

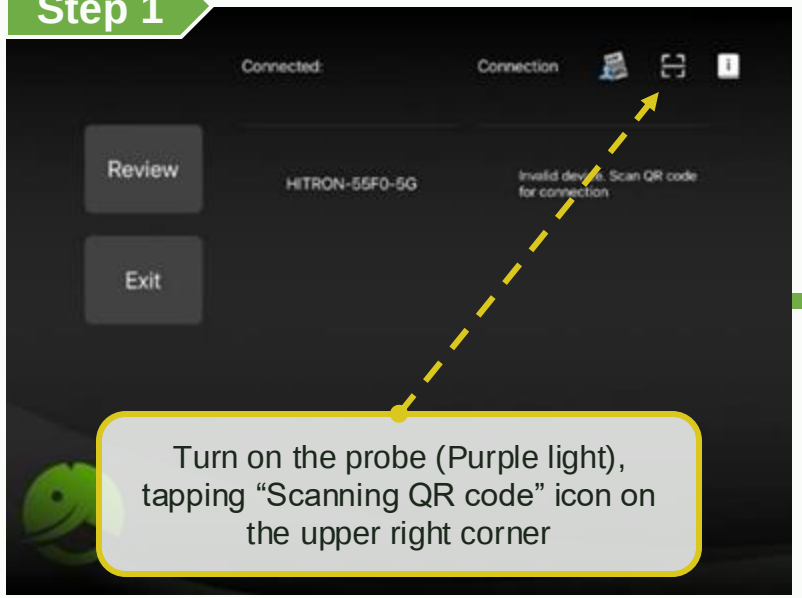
Purple light
<Power ON>
Not connect

White light
<Power ON>
Connected

Boot up and connection - Connection

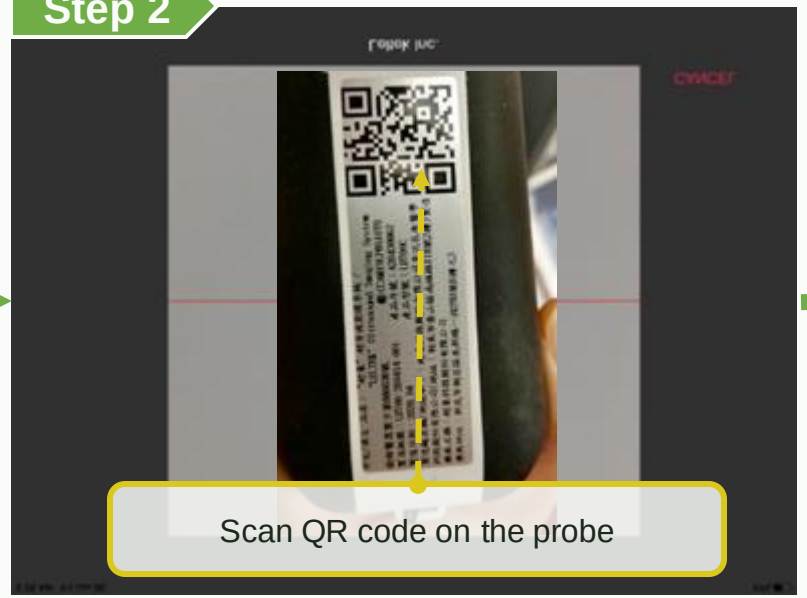
E.I. MEDICAL IMAGING

Step 1



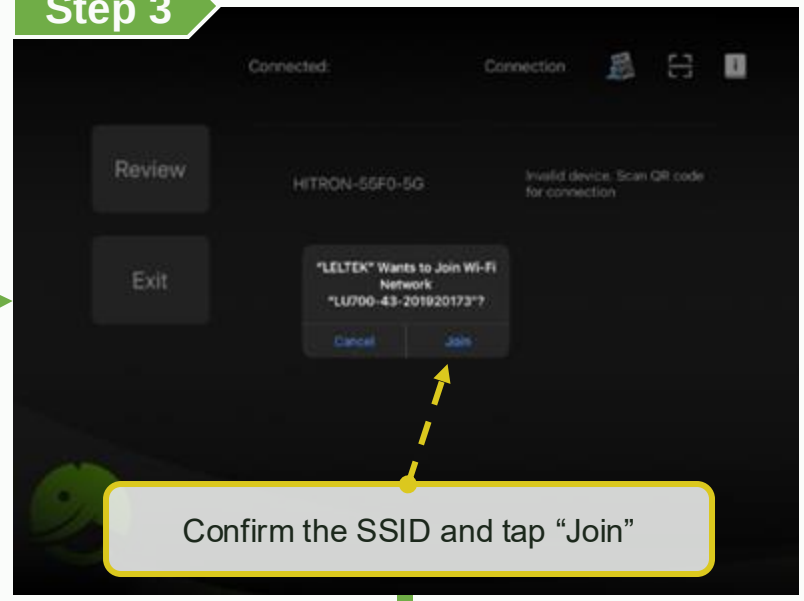
Turn on the probe (Purple light), tapping “Scanning QR code” icon on the upper right corner

Step 2



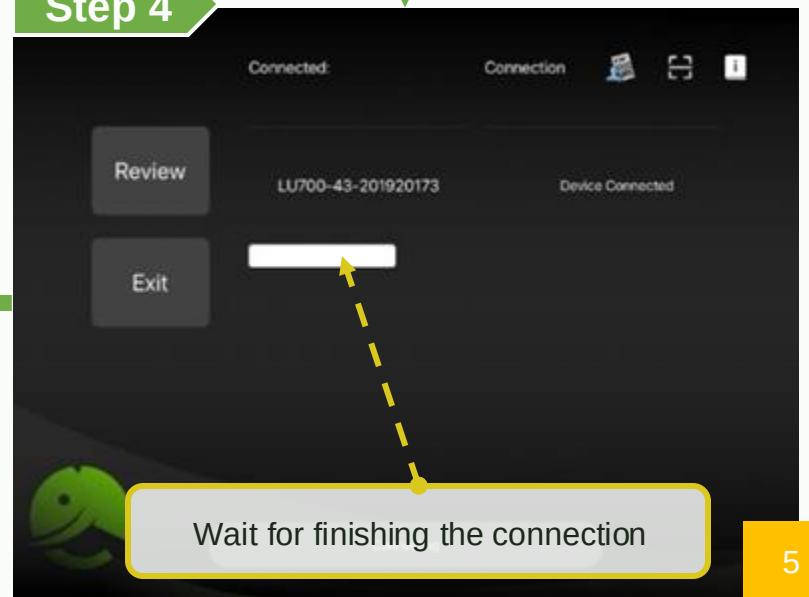
Scan QR code on the probe

Step 3



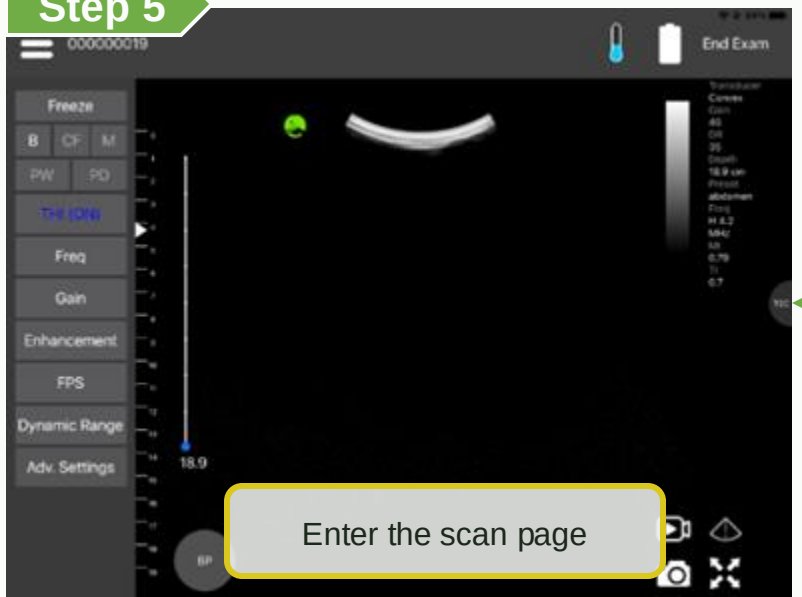
Confirm the SSID and tap “Join”

Step 4



Wait for finishing the connection

Step 5

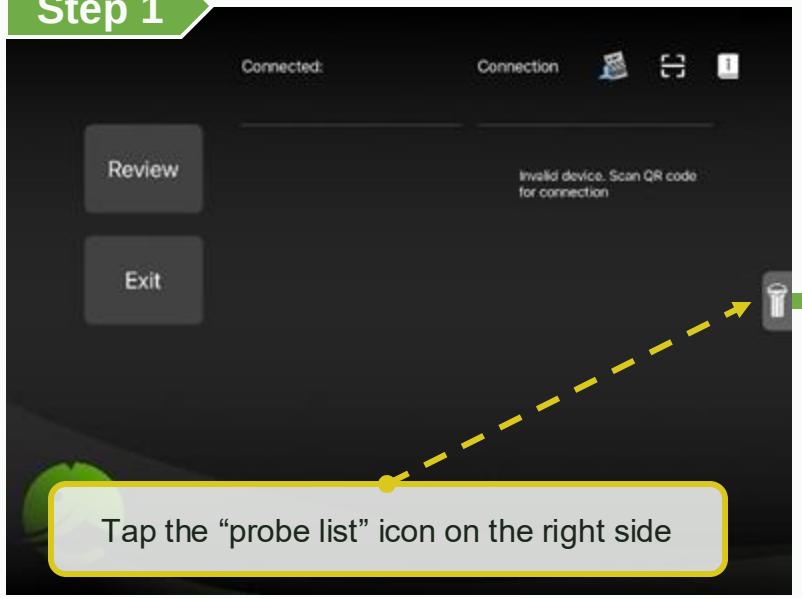


Enter the scan page

Boot up and connection - Connection with probe list

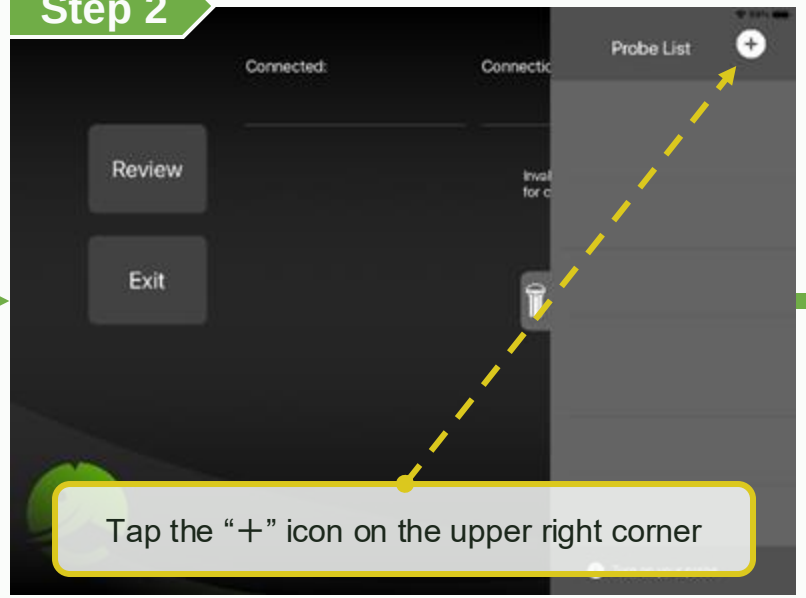
E.I. MEDICAL IMAGING

Step 1



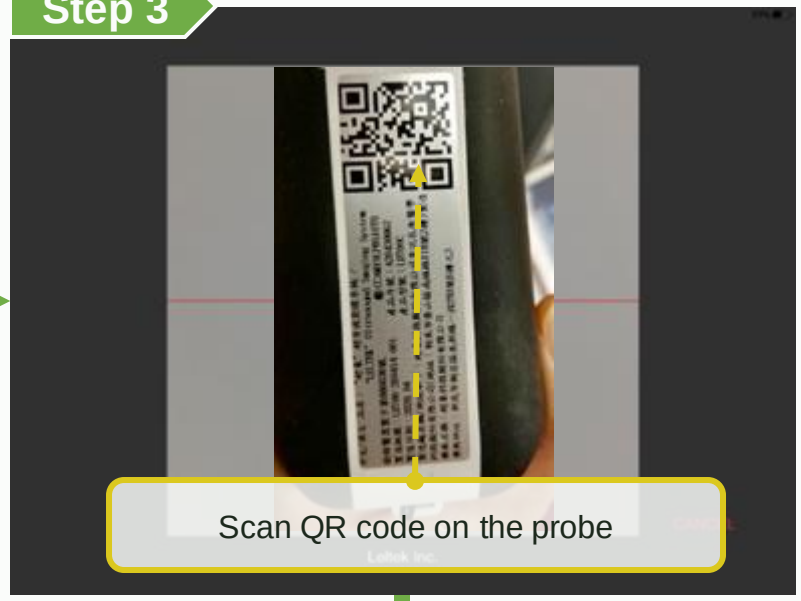
Tap the “probe list” icon on the right side

Step 2



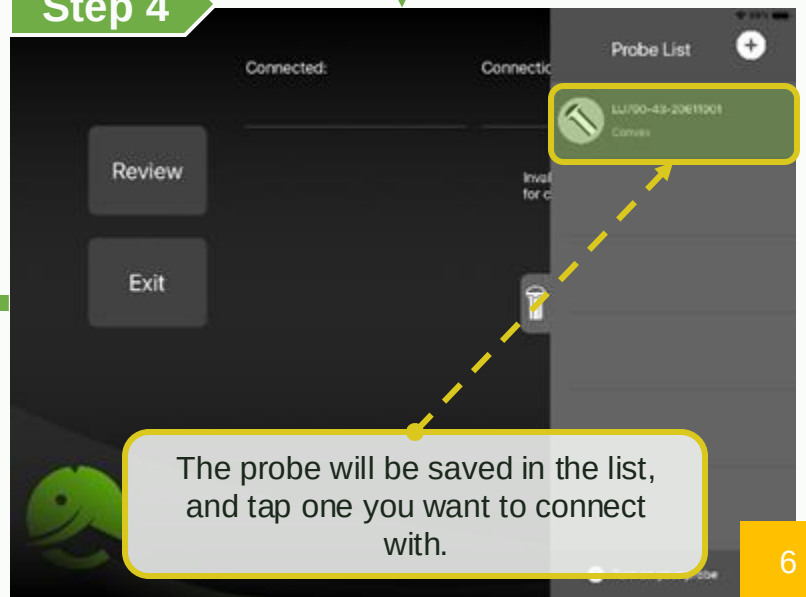
Tap the “+” icon on the upper right corner

Step 3



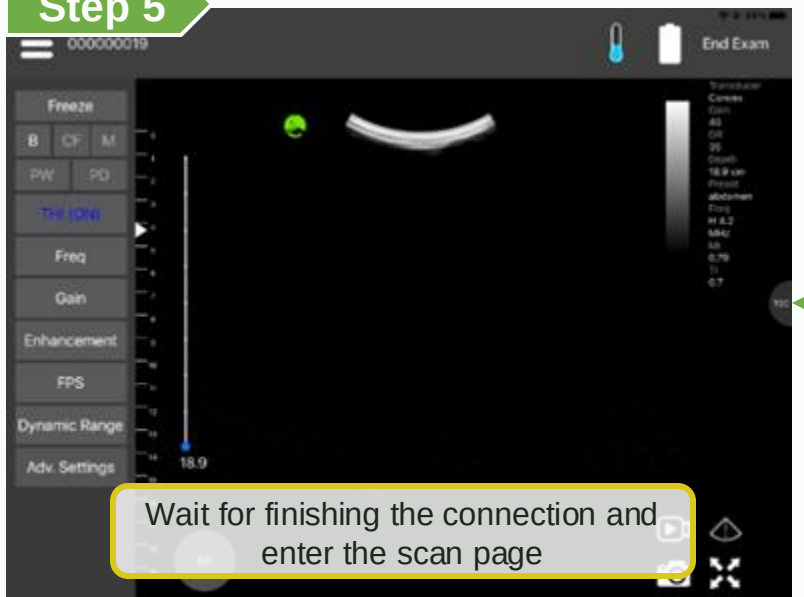
Scan QR code on the probe

Step 4



The probe will be saved in the list, and tap one you want to connect with.

Step 5

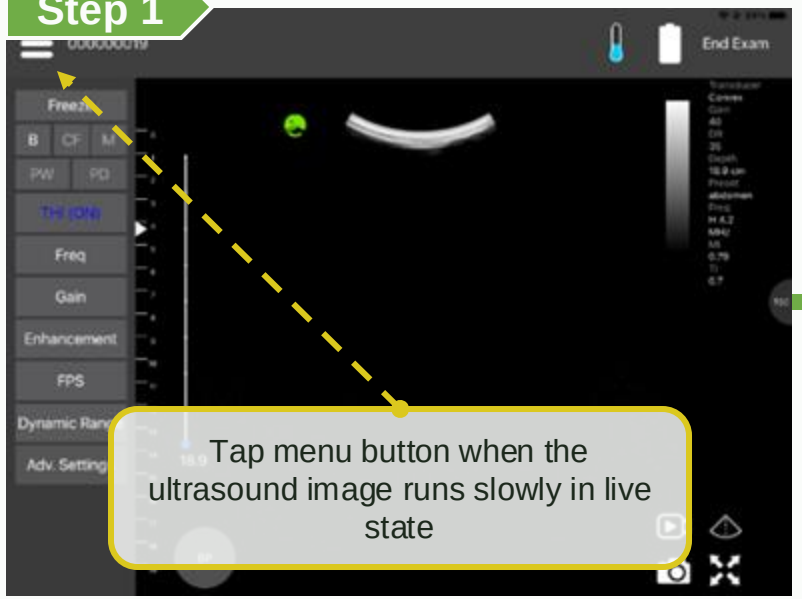


Wait for finishing the connection and enter the scan page

Boot up and connection - Improve connection quality

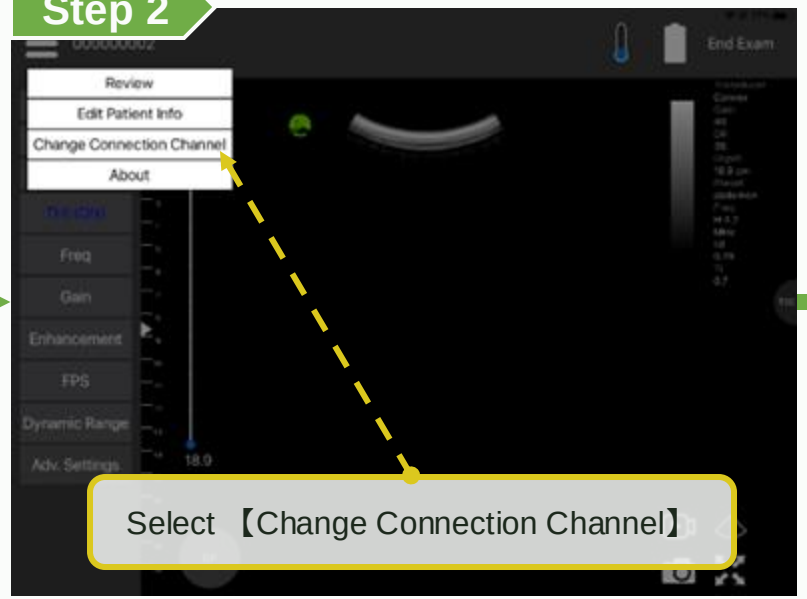
E.I. MEDICAL IMAGING

Step 1



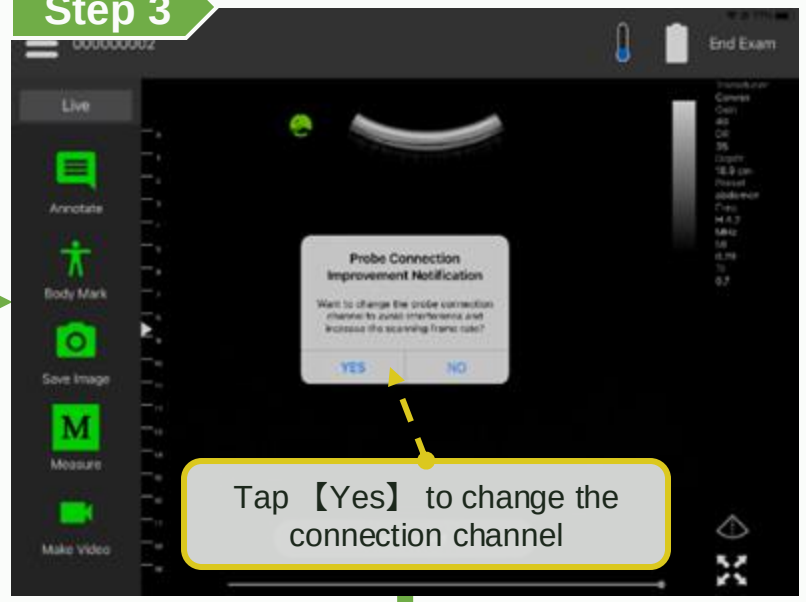
Tap menu button when the ultrasound image runs slowly in live state

Step 2



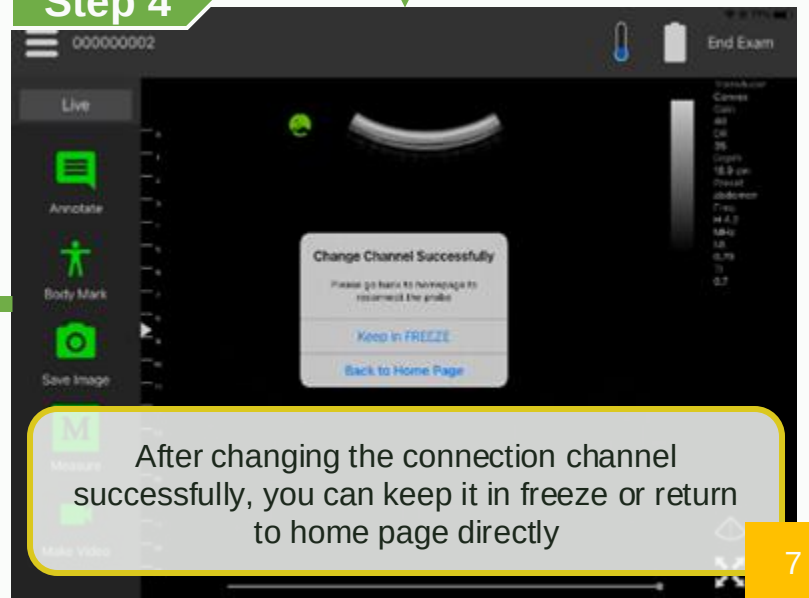
Select 【Change Connection Channel】

Step 3



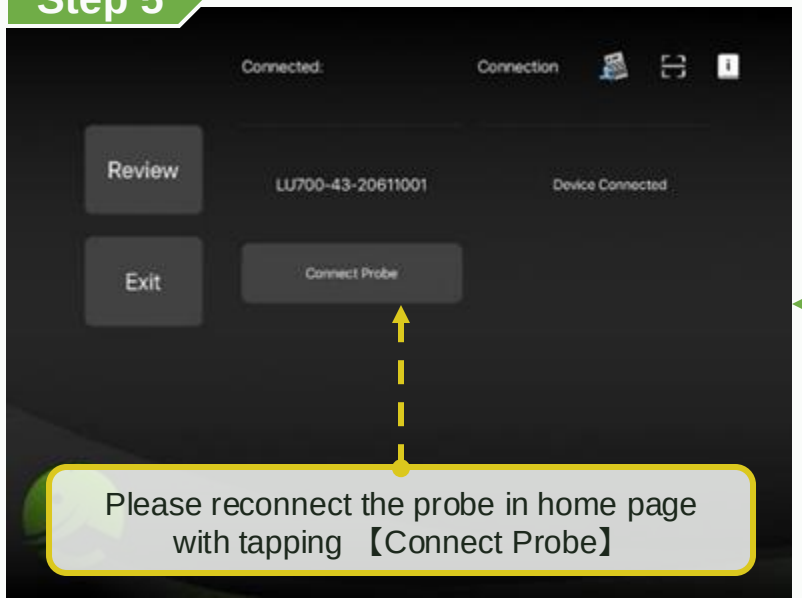
Tap 【Yes】 to change the connection channel

Step 4



After changing the connection channel successfully, you can keep it in freeze or return to home page directly

Step 5



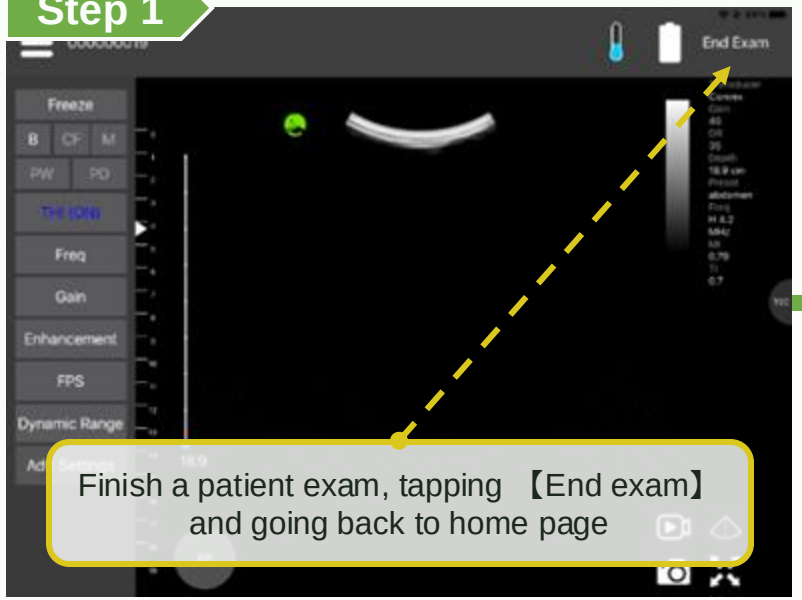
Please reconnect the probe in home page with tapping 【Connect Probe】

If the ultrasound image still runs slowly, please repeat the steps above

Boot up and connection - End exam

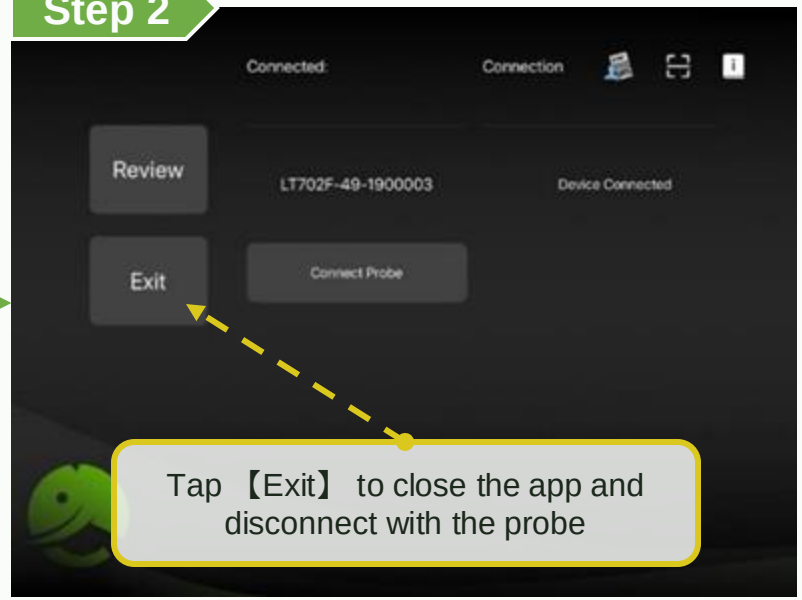
E.I. MEDICAL IMAGING

Step 1



Finish a patient exam, tapping 【End exam】 and going back to home page

Step 2

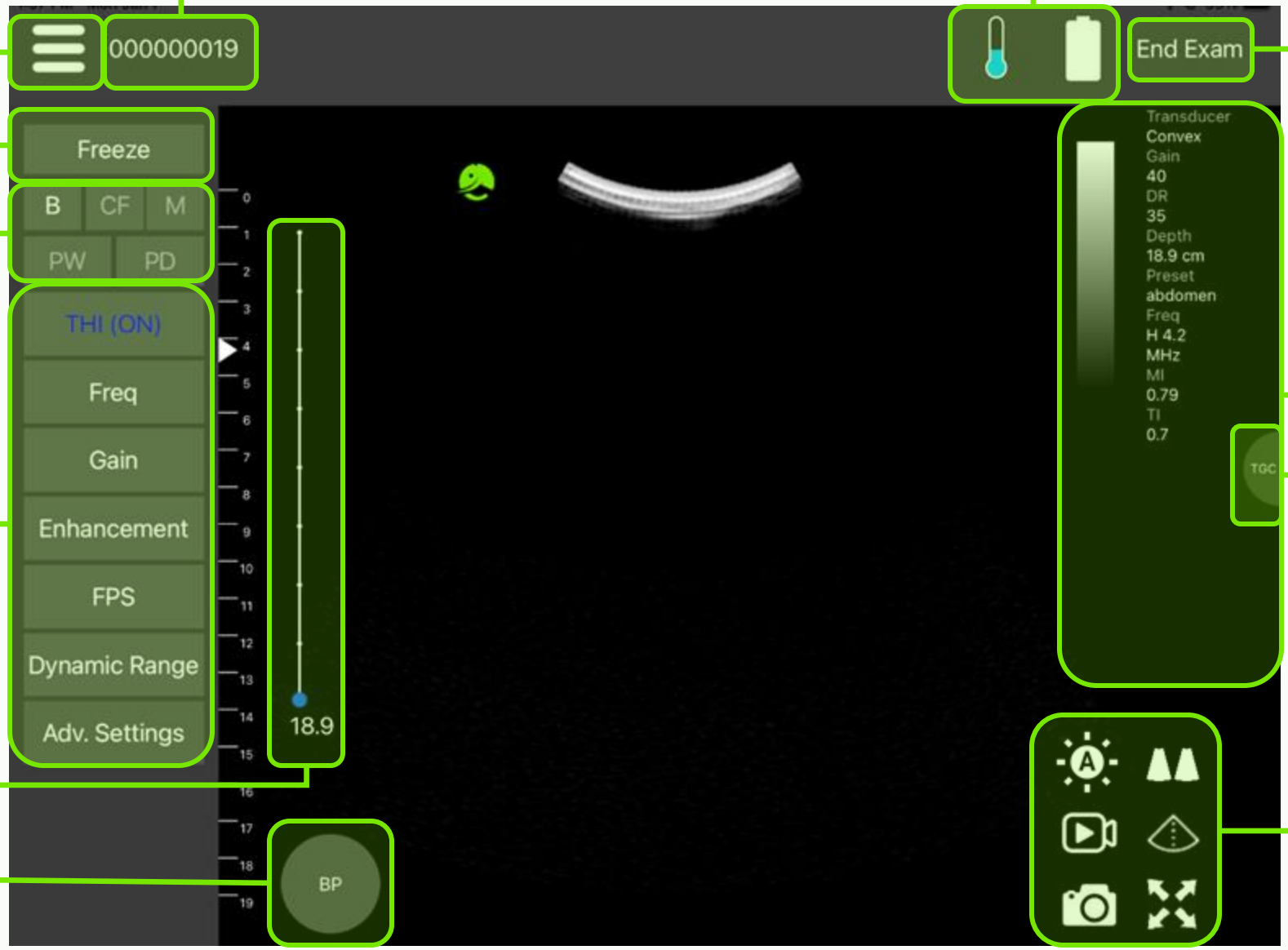


Tap 【Exit】 to close the app and disconnect with the probe

【Scan】

Scan - Interface

E.I. MEDICAL IMAGING



MRN

Review, export

Freeze / Live

Select Mode

Adjust parameter

Adjust depth

Select preset

Probe info

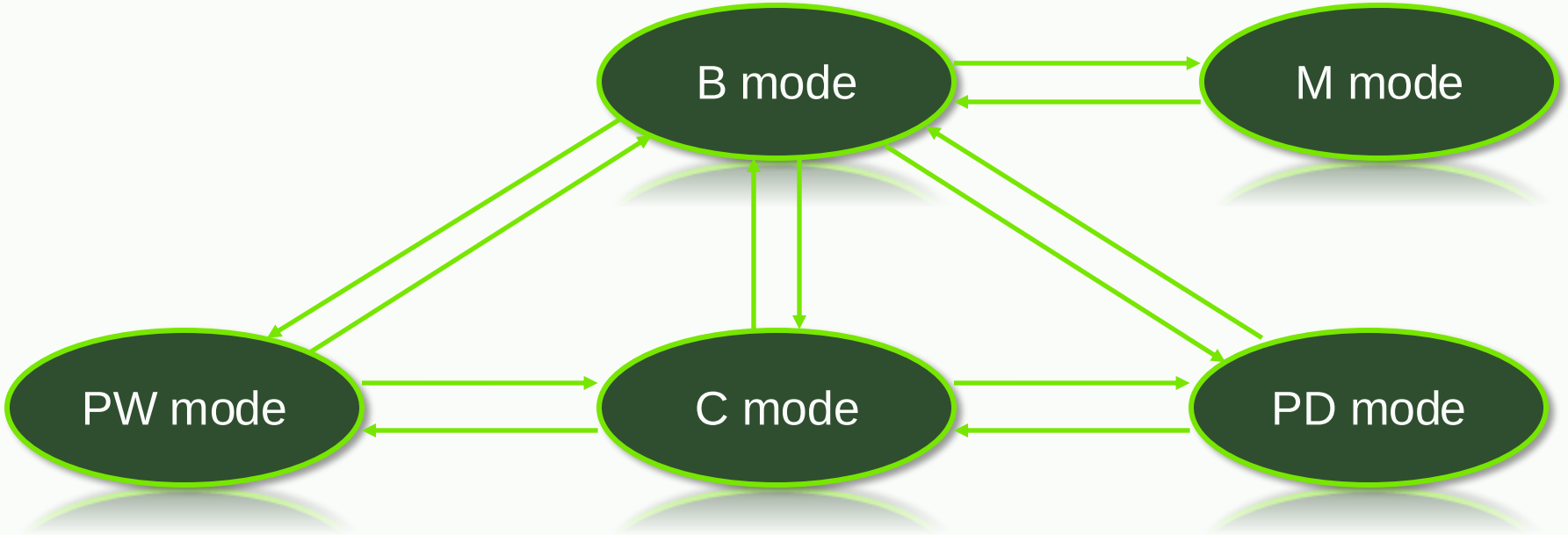
End exam

Scan Info

Adjust TGC

Dual screen, Auto IQ, Save image and video, center line, full screen

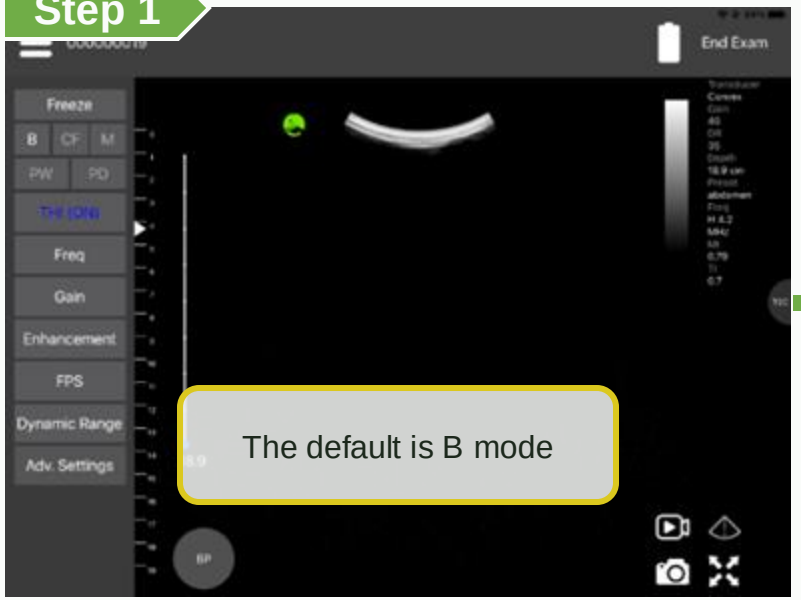
Scan - The rule of switching between modes



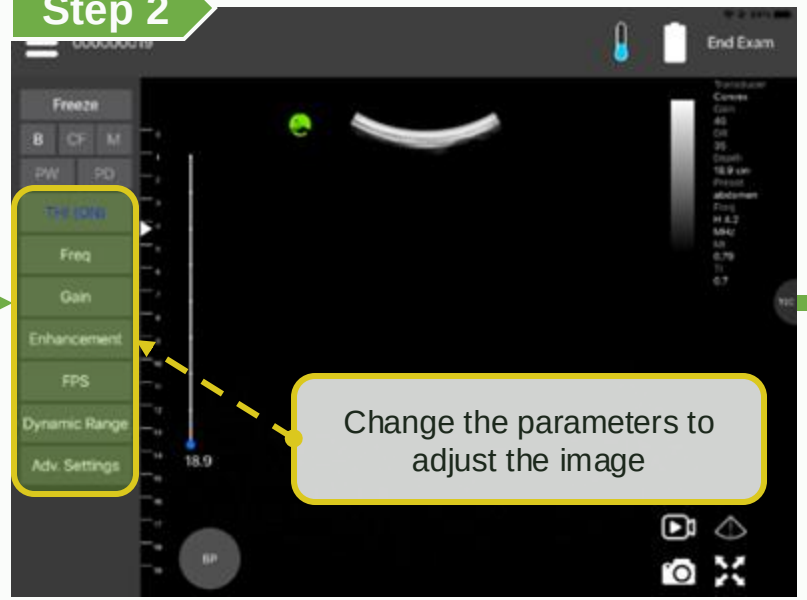
“The orientation of arrow”: It can be switched directly to the mode

Scan - B (Brightness) mode

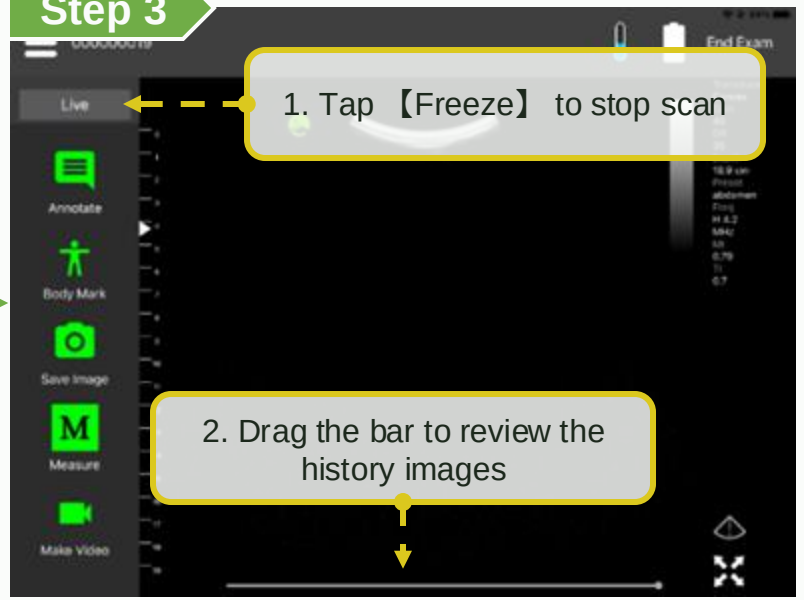
Step 1



Step 2



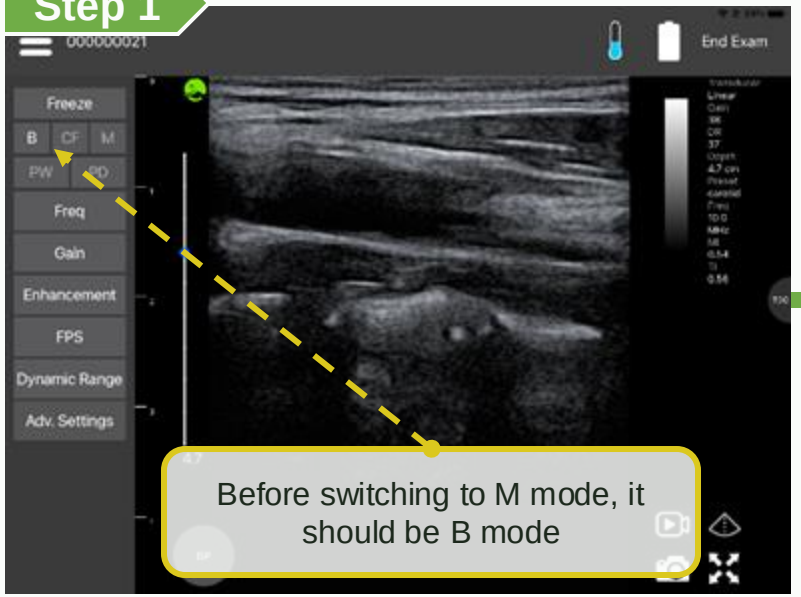
Step 3



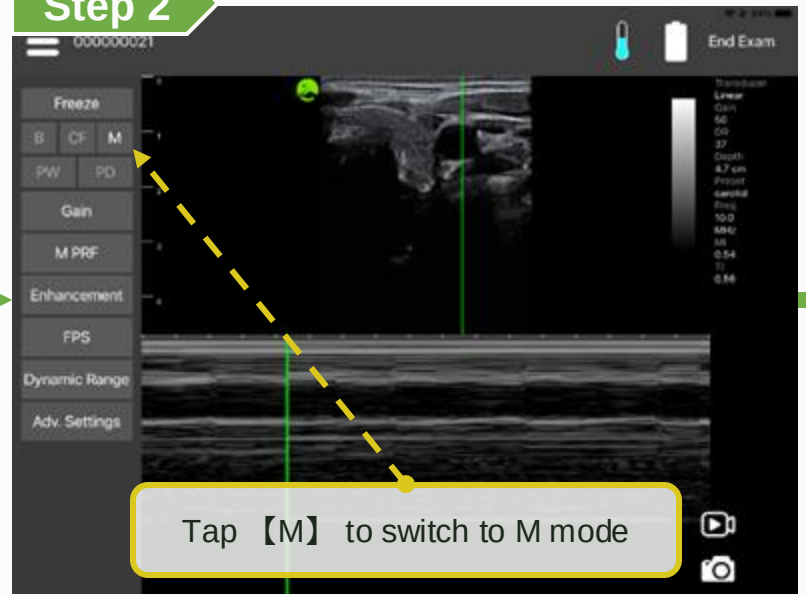
There are 8 sliders to adjust TGC

Scan - M (Motion) mode

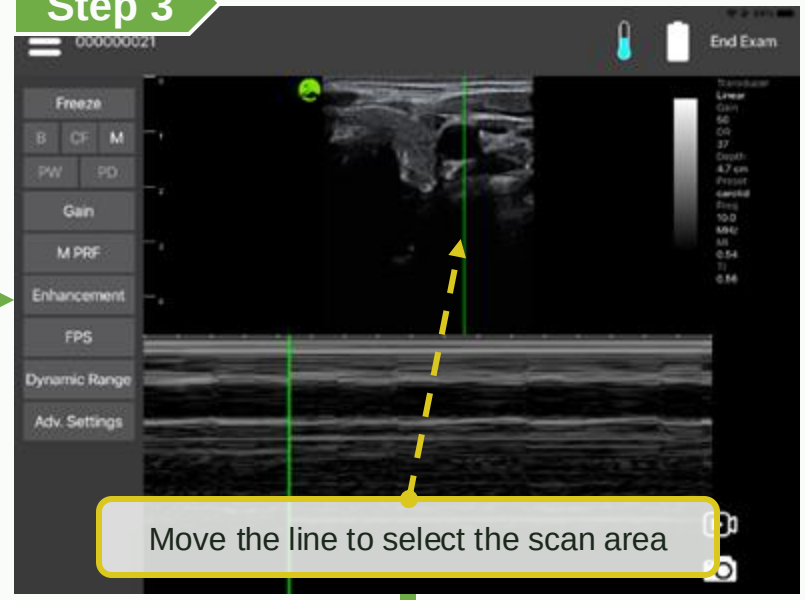
Step 1



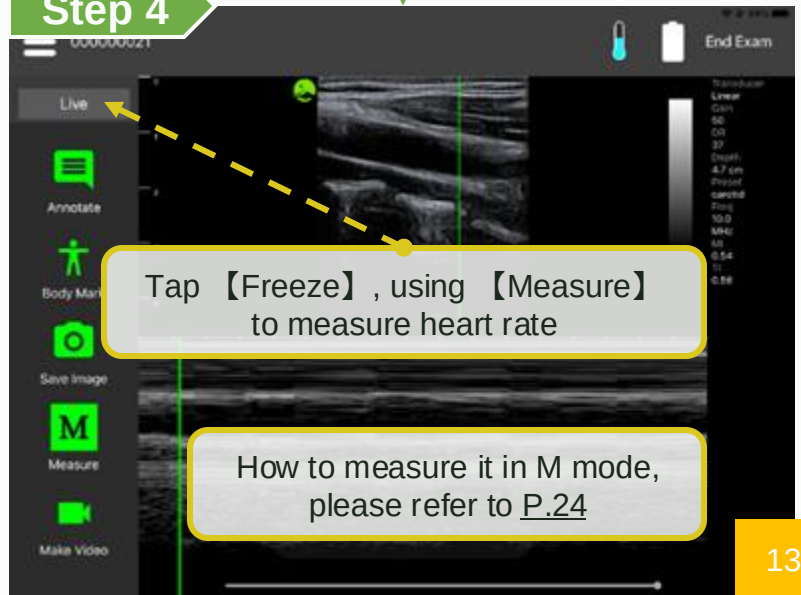
Step 2



Step 3



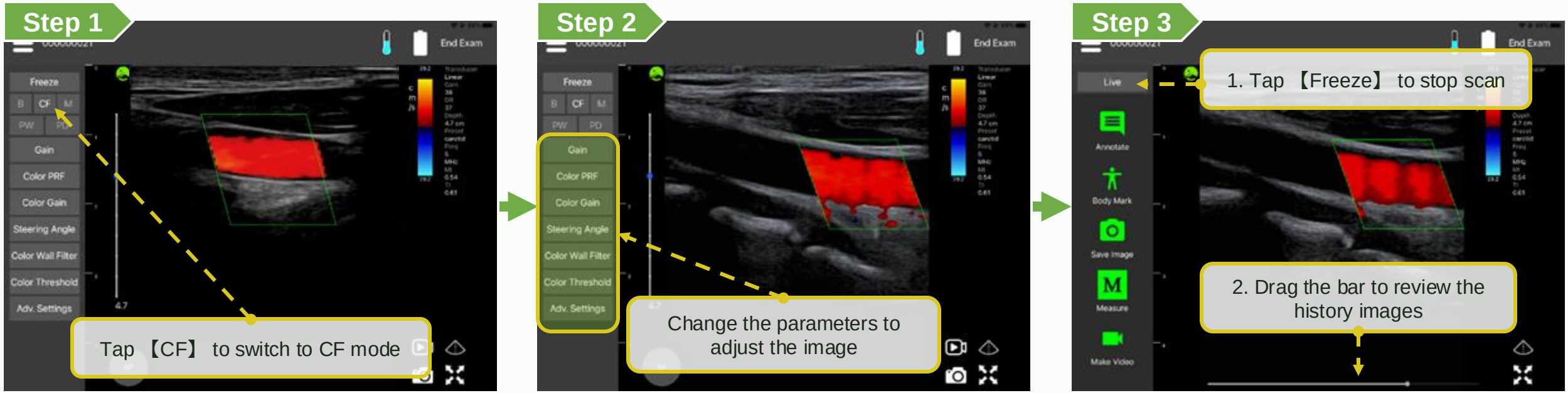
Step 4



Scan - CF (Color Flow) mode

*Optional function

E.I. MEDICAL IMAGING

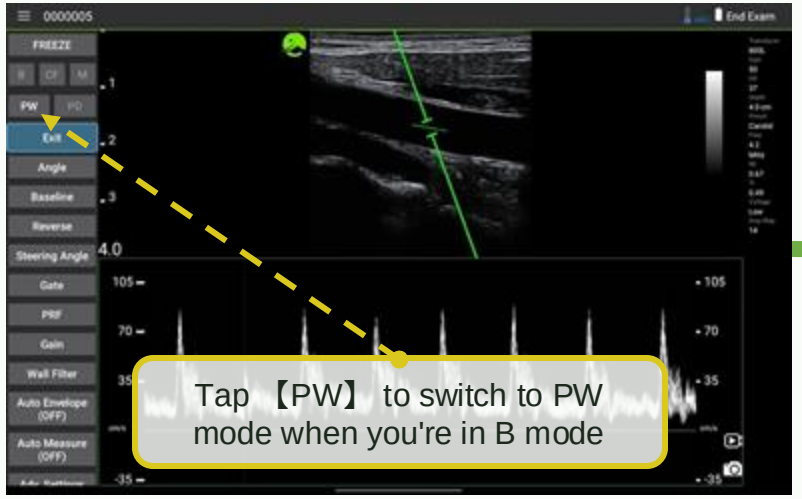


Scan - PW (Pulse Wave) mode without color

*Optional function

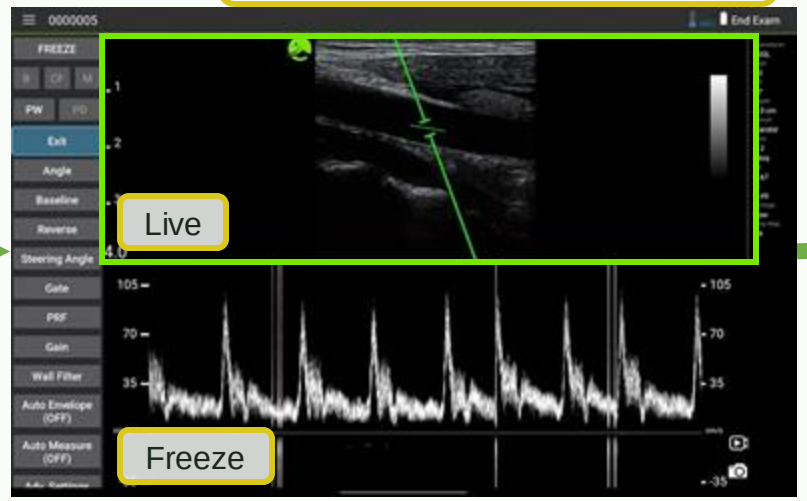
E.I. MEDICAL IMAGING

Step 1



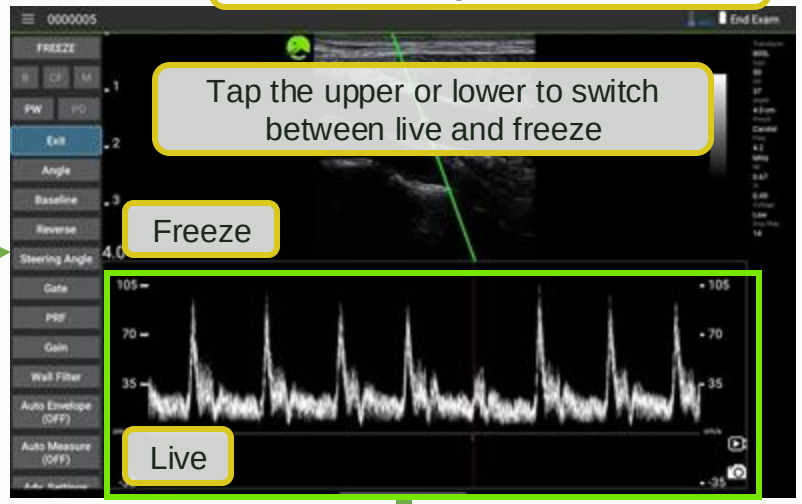
Step 2

The live image will be highlighted with a green frame

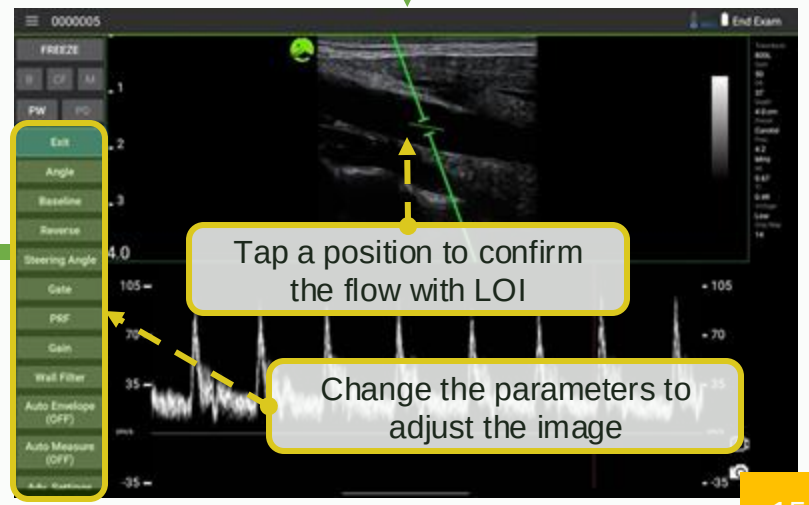


Step 3

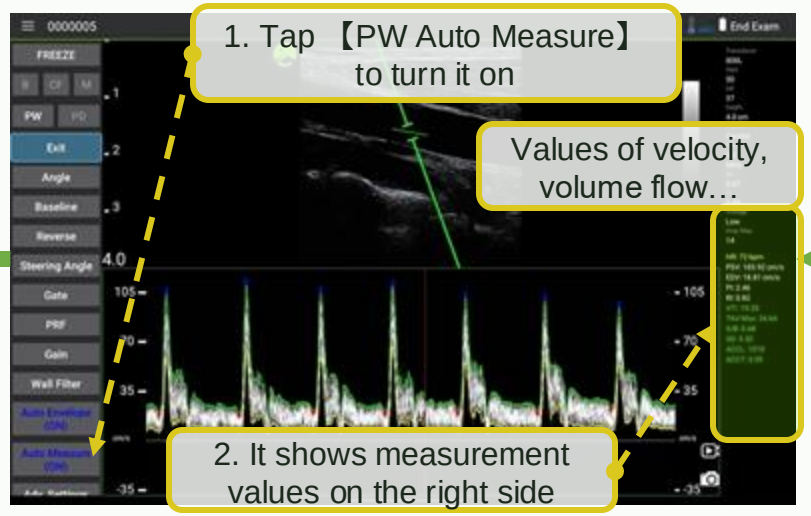
The live image will be highlighted with a green frame



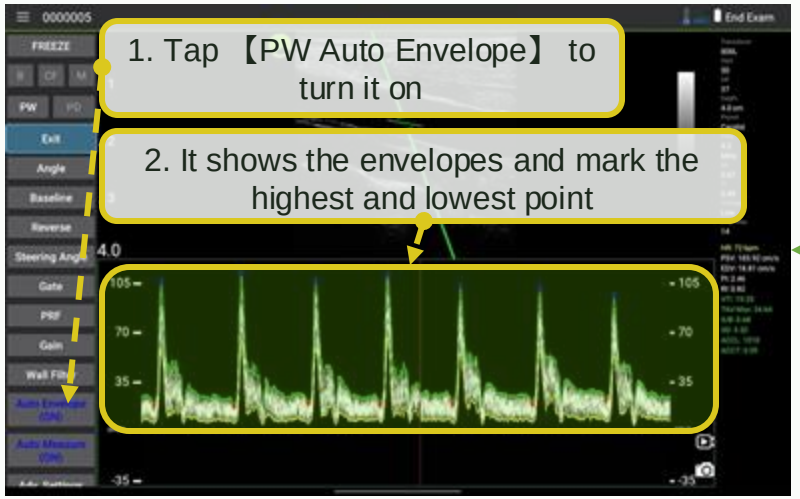
Step 4



Step 5



Step 6

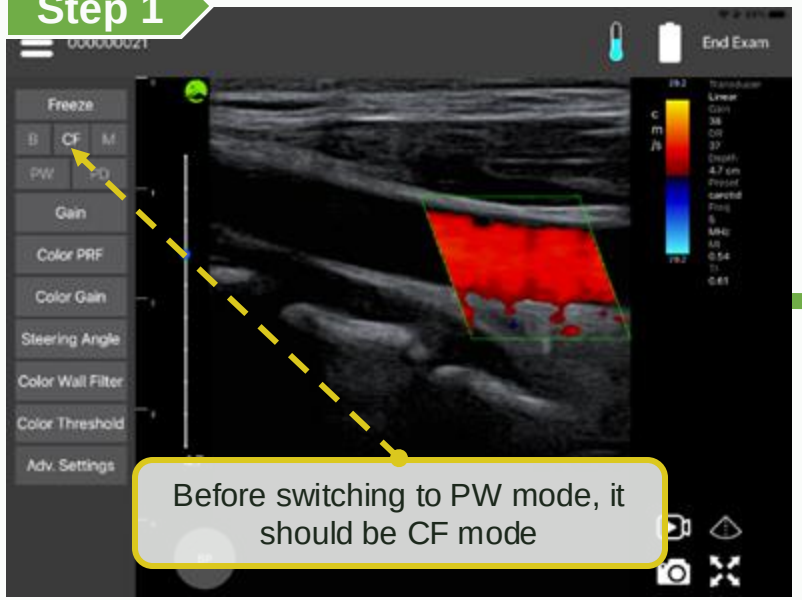


Scan - PW (Pulse Wave) mode with color

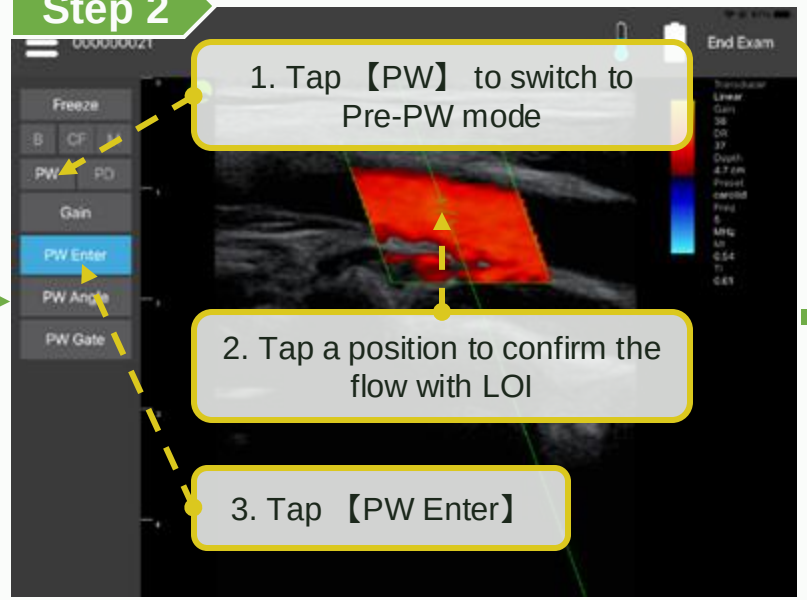
*Optional function

E.I. MEDICAL IMAGING

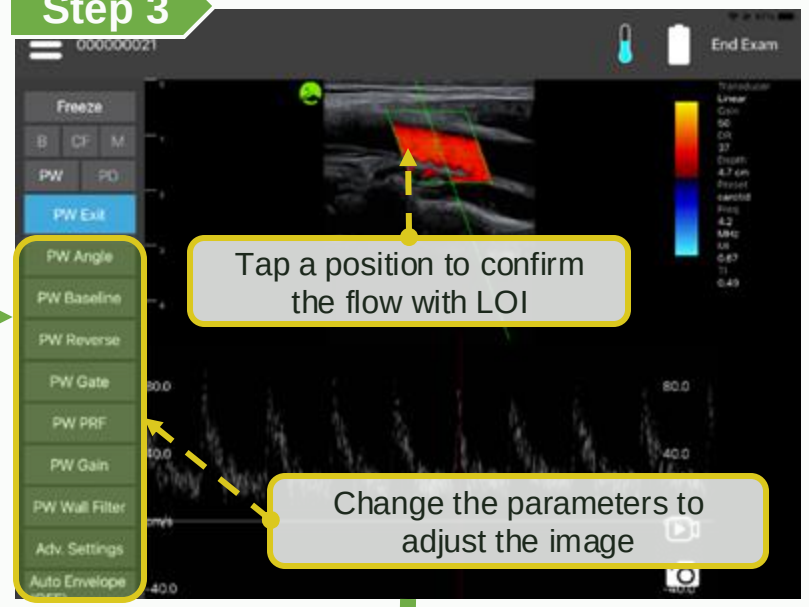
Step 1



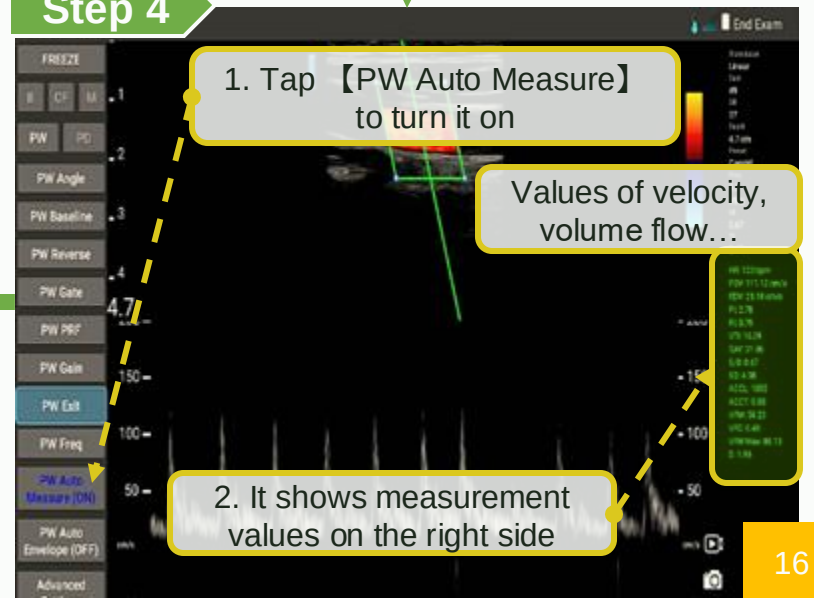
Step 2



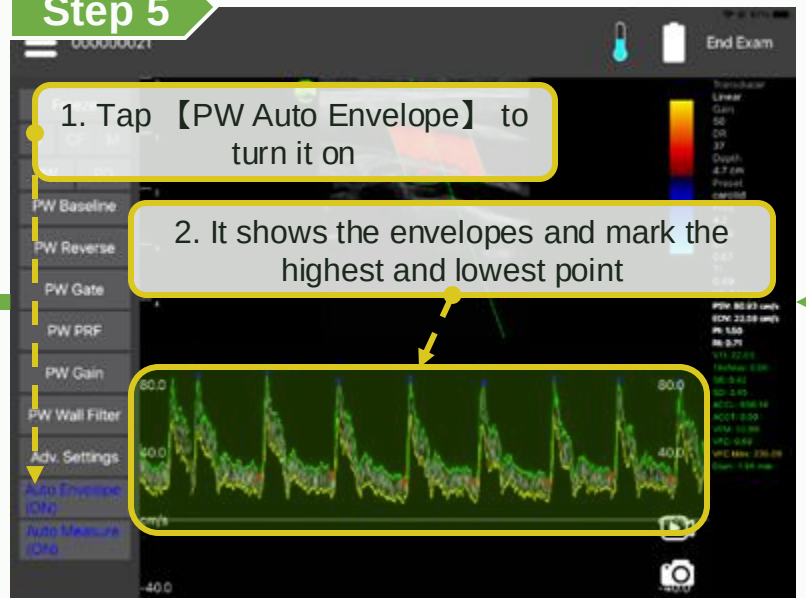
Step 3



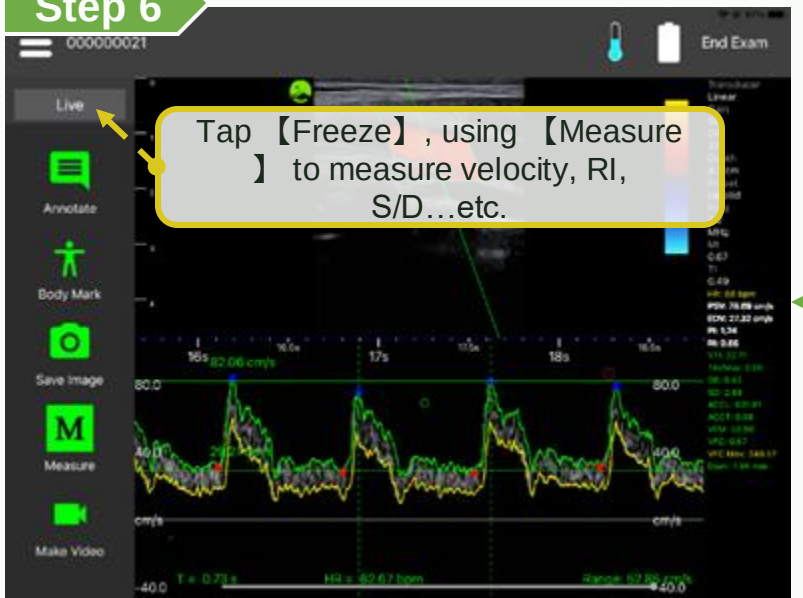
Step 4



Step 5



Step 6

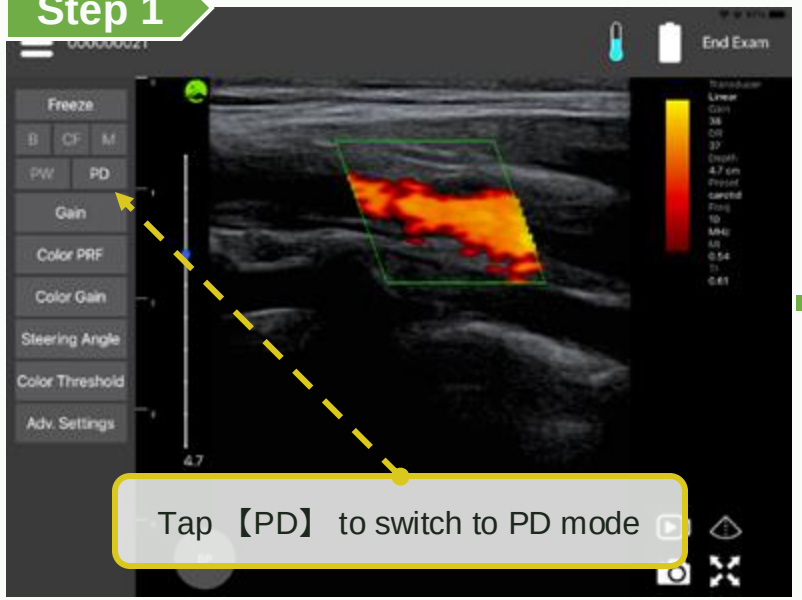


Scan - PD (Power Doppler) mode

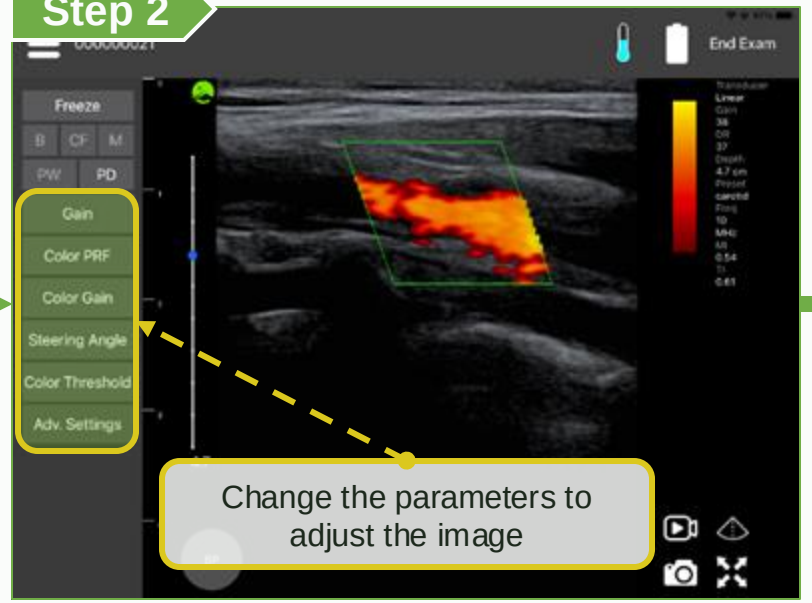
*Optional function

E.I. MEDICAL IMAGING

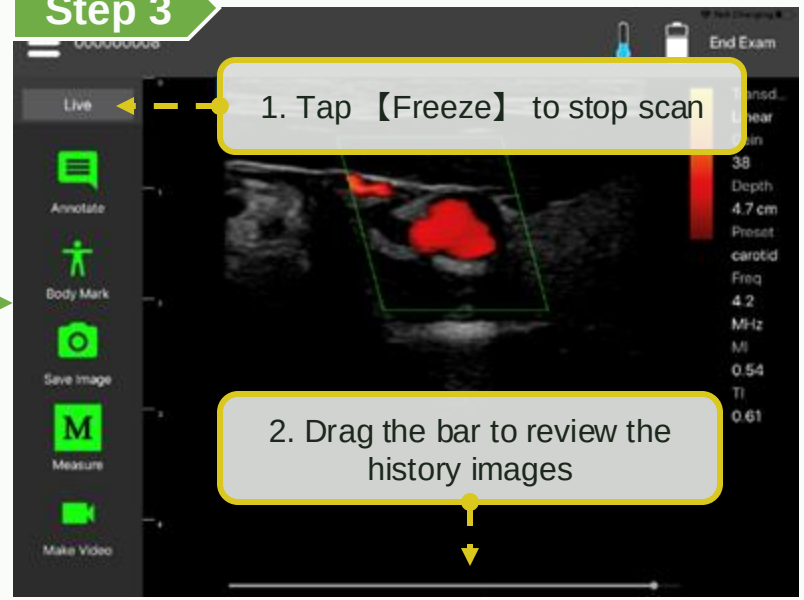
Step 1



Step 2



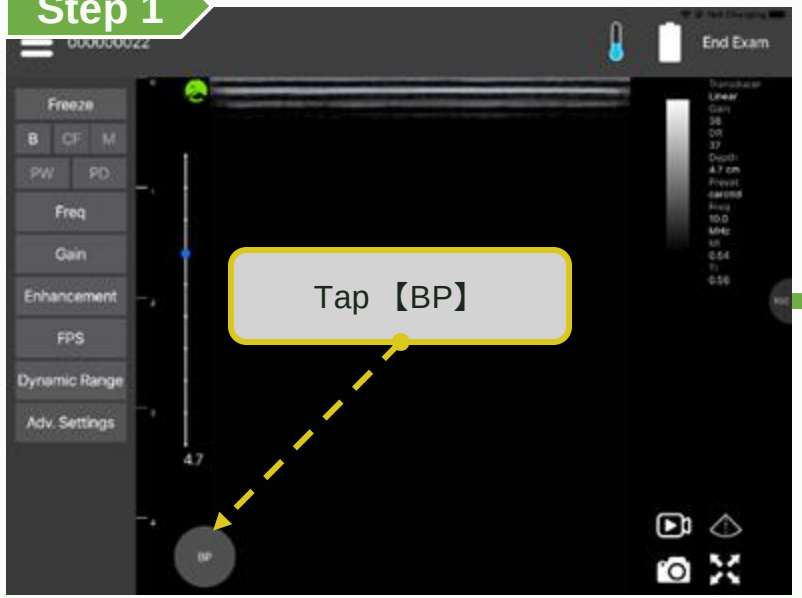
Step 3



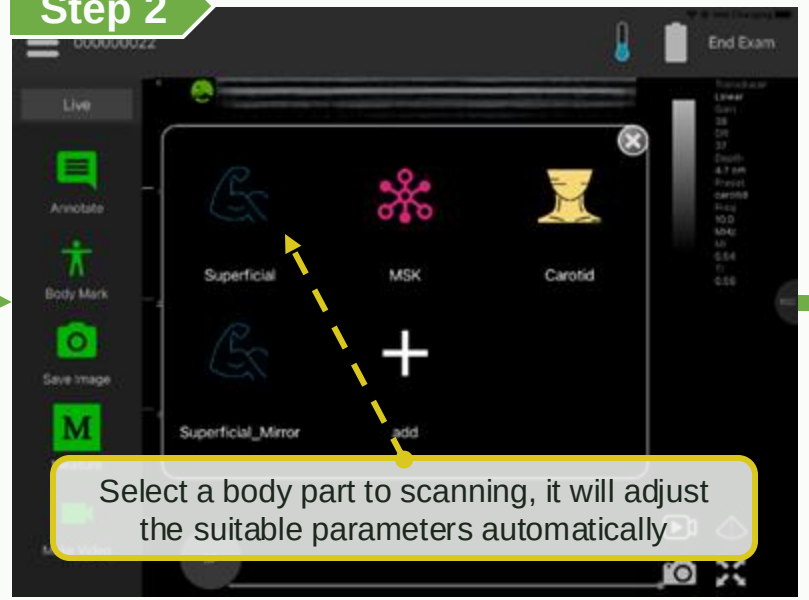
Scan - Select and customize a preset

E.I. MEDICAL IMAGING

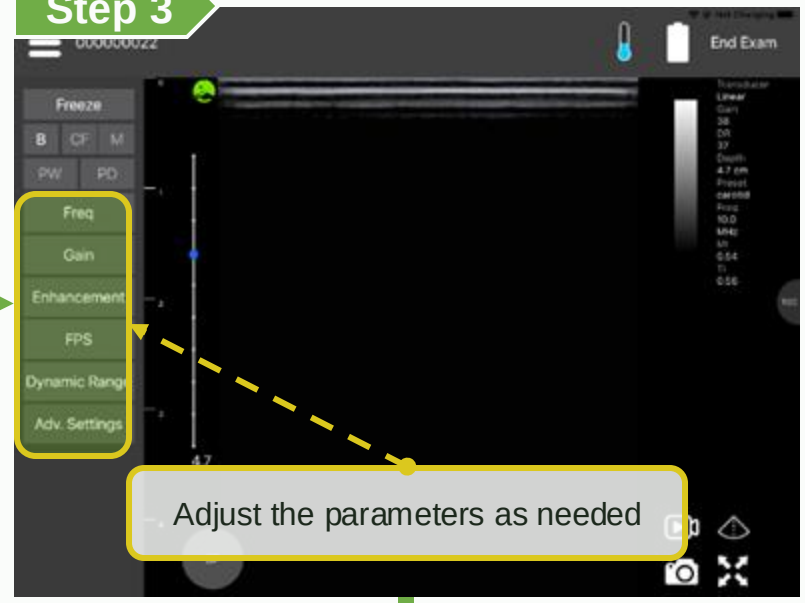
Step 1



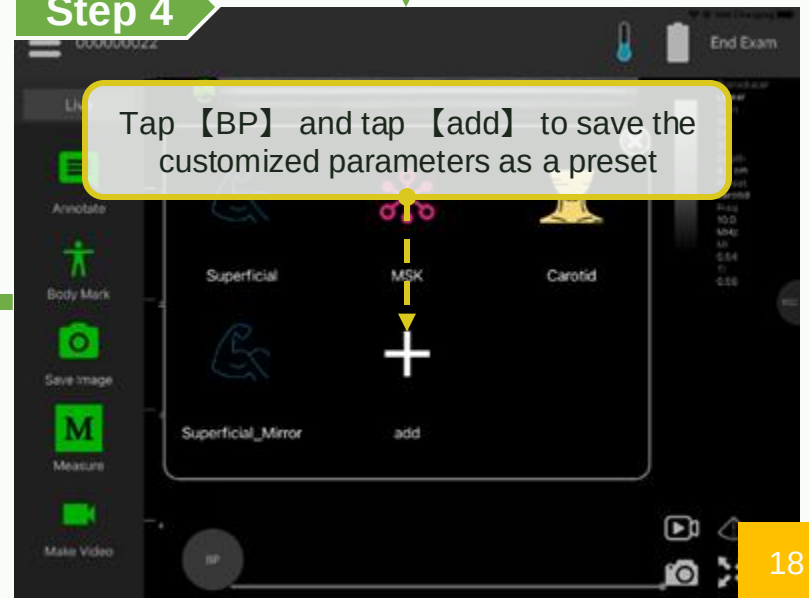
Step 2



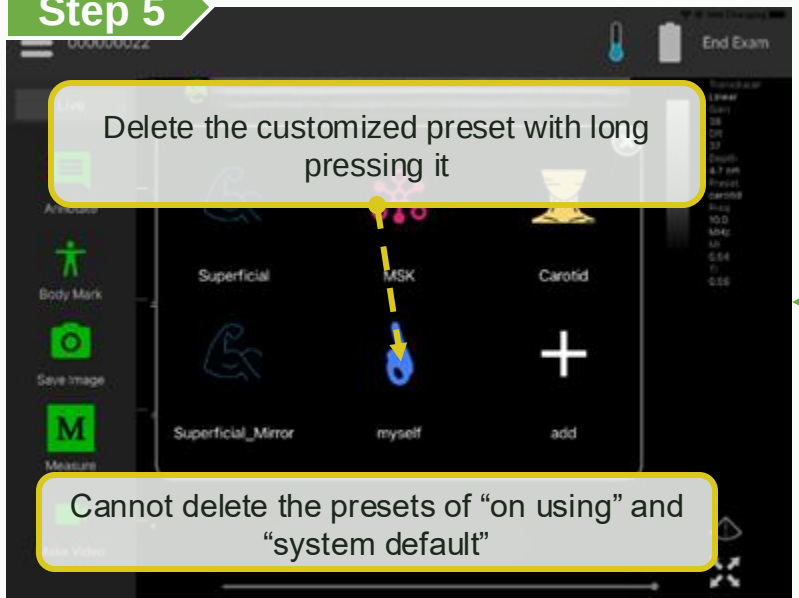
Step 3



Step 4



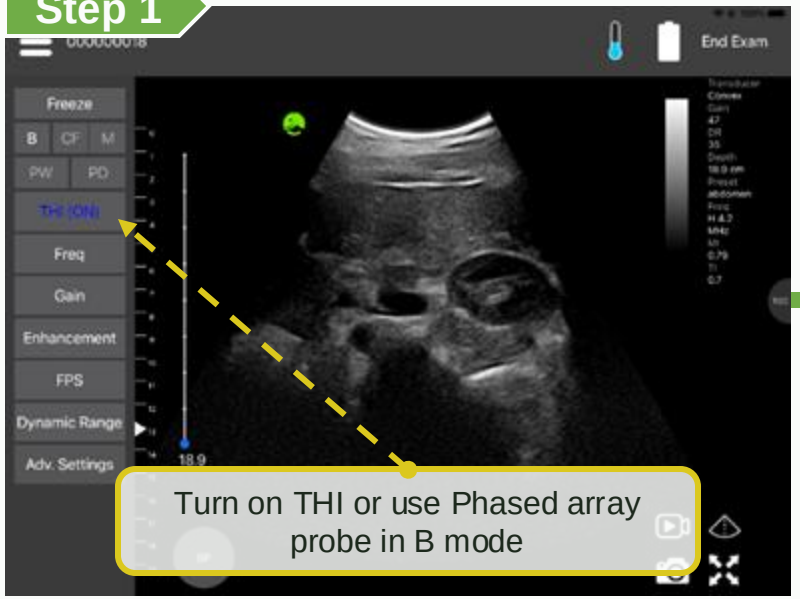
Step 5



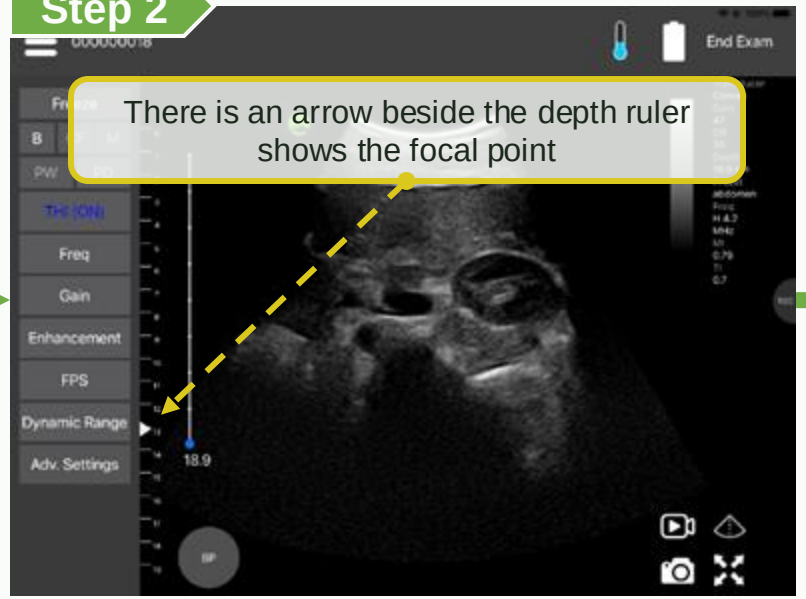
Scan - Adjust focus

E.I. MEDICAL IMAGING

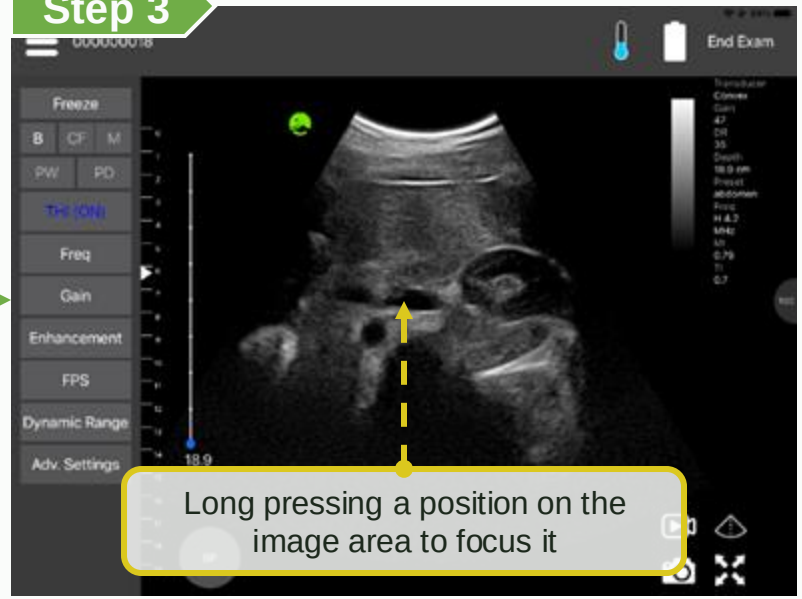
Step 1



Step 2



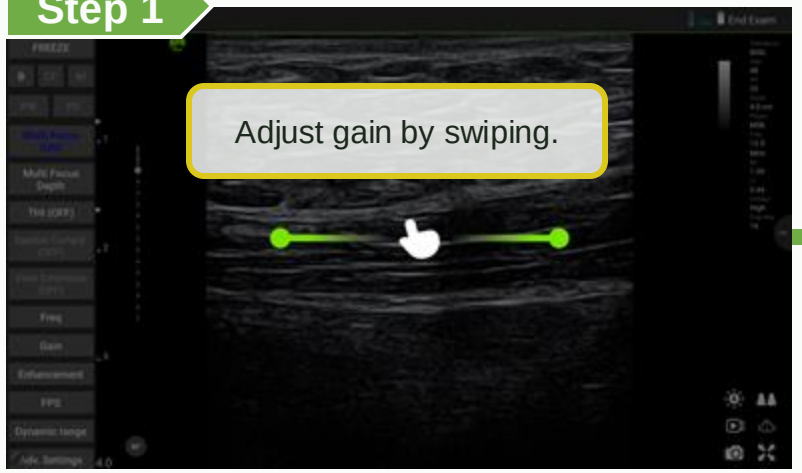
Step 3



Scan – Gesture

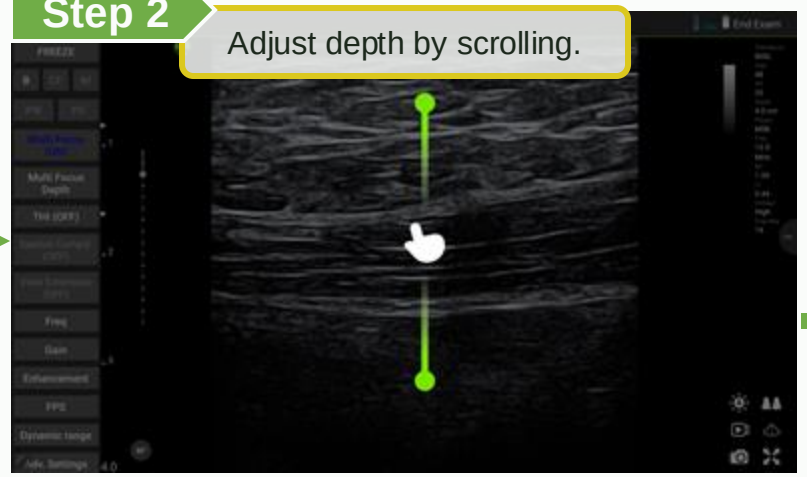
E.I. MEDICAL IMAGING

Step 1



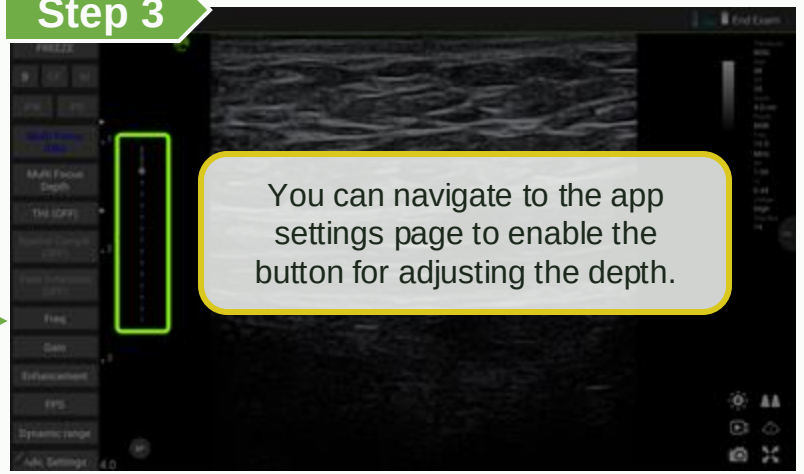
Adjust the gain

Step 2



Adjust the depth

Step 3

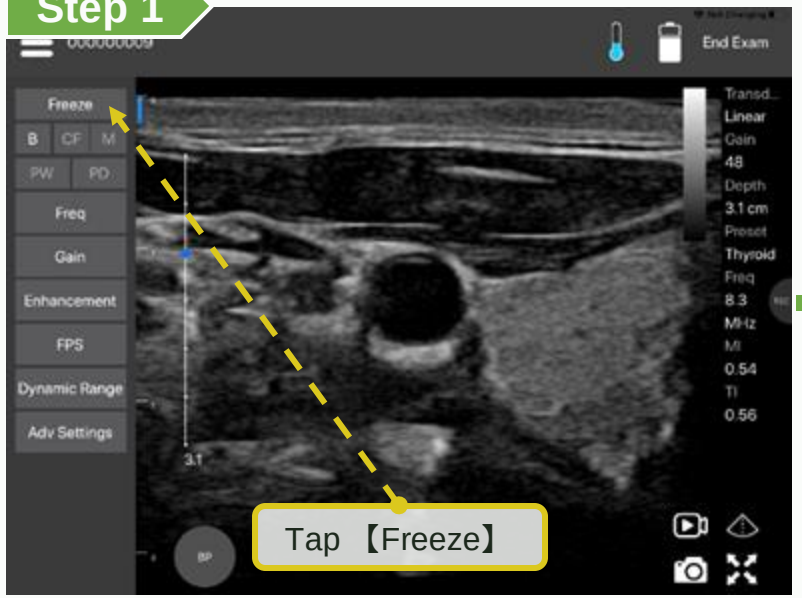


【 Annotate, measure and save 】

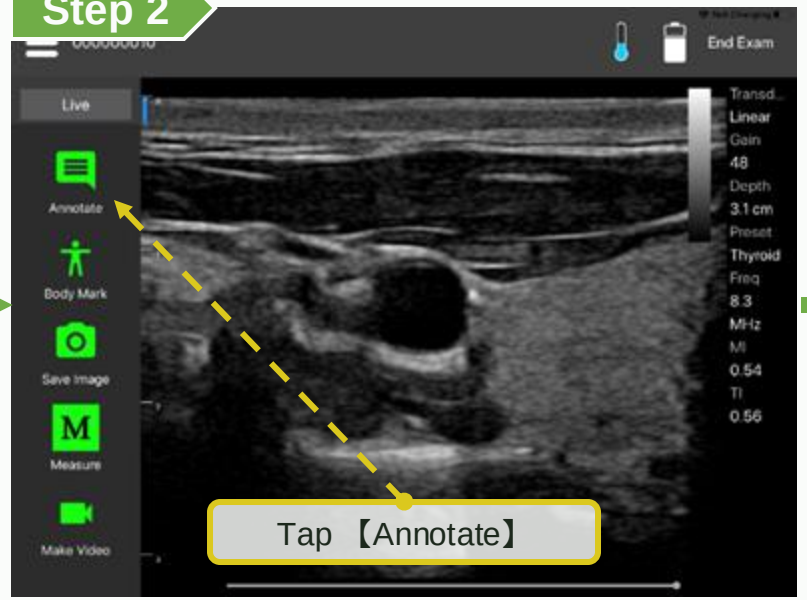
Annotate, measure and save - Annotate & Body mark

E.I. MEDICAL IMAGING

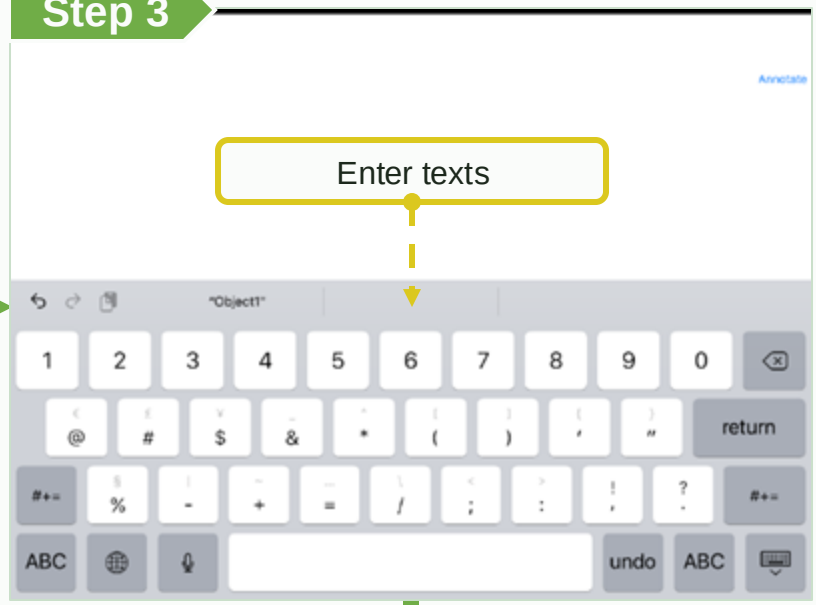
Step 1



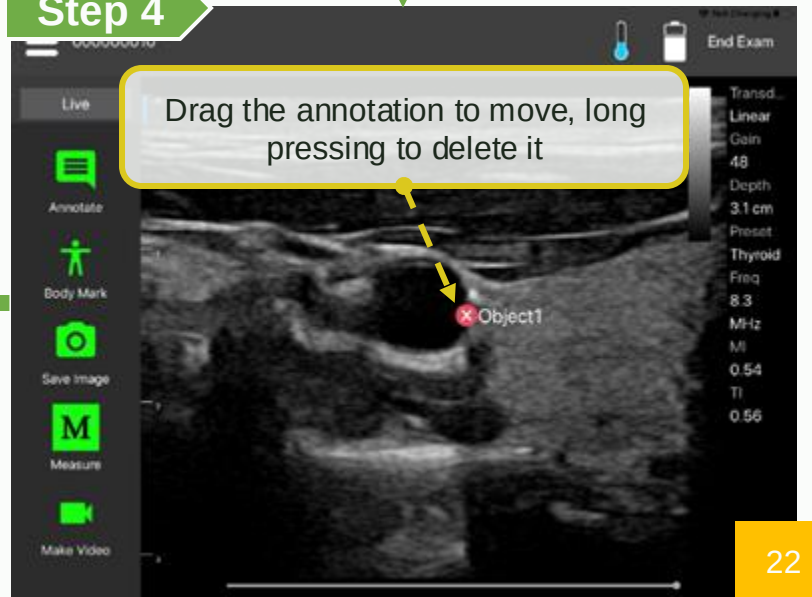
Step 2



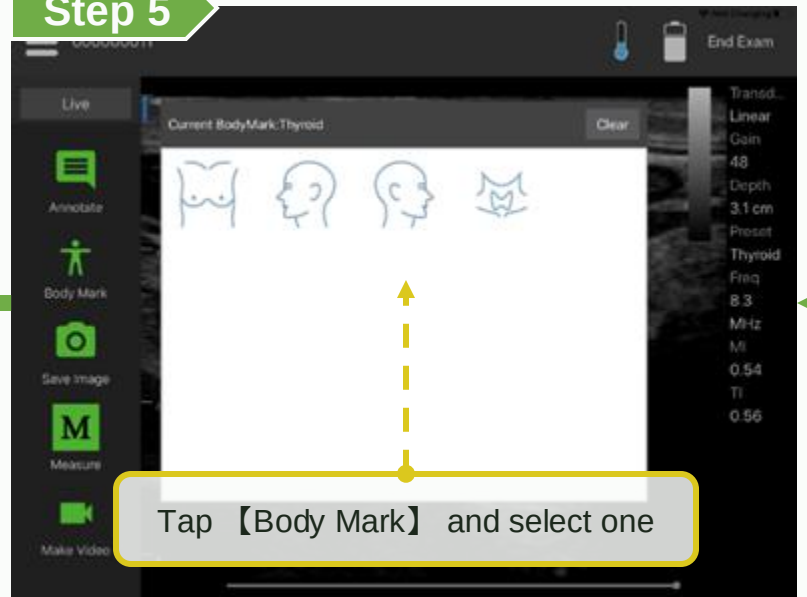
Step 3



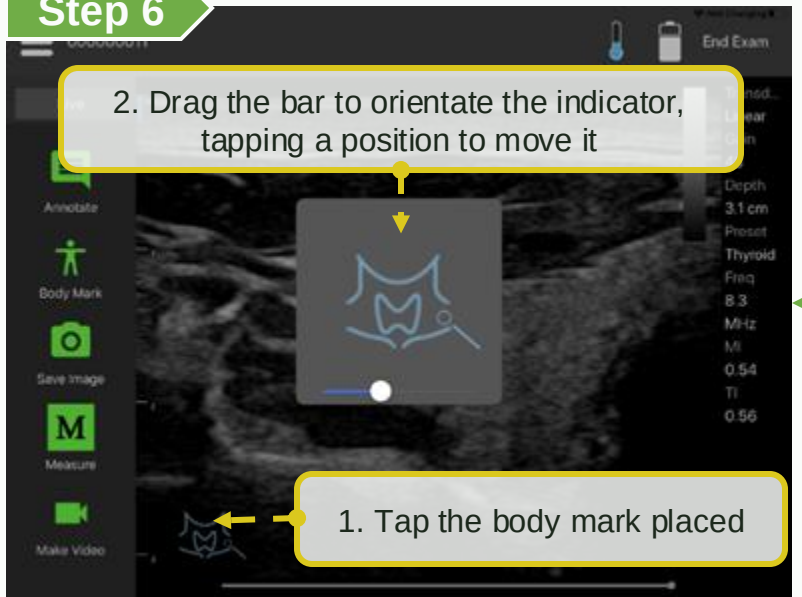
Step 4



Step 5



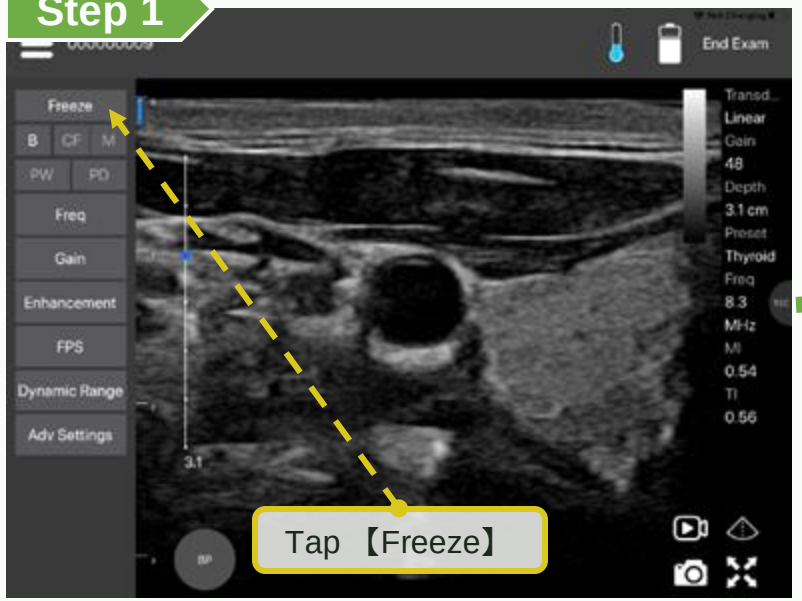
Step 6



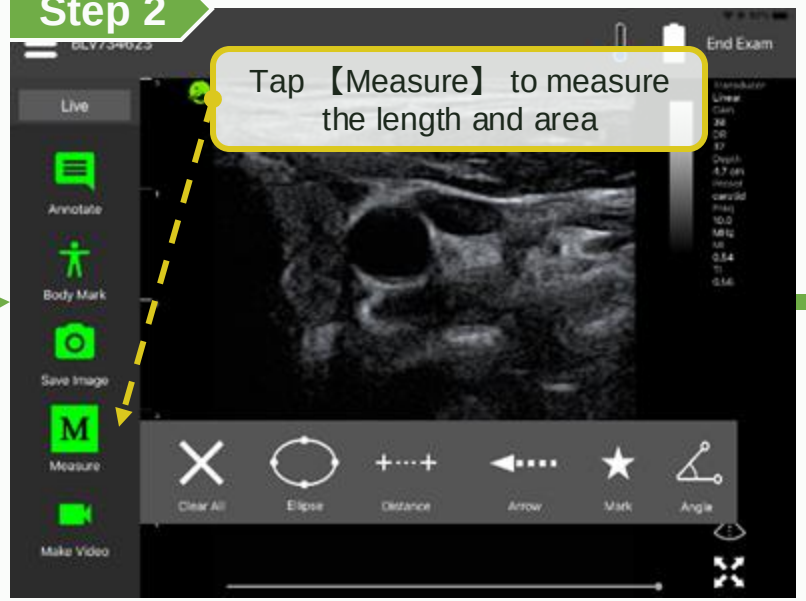
Annotate, measure and save - Measure

E.I. MEDICAL IMAGING

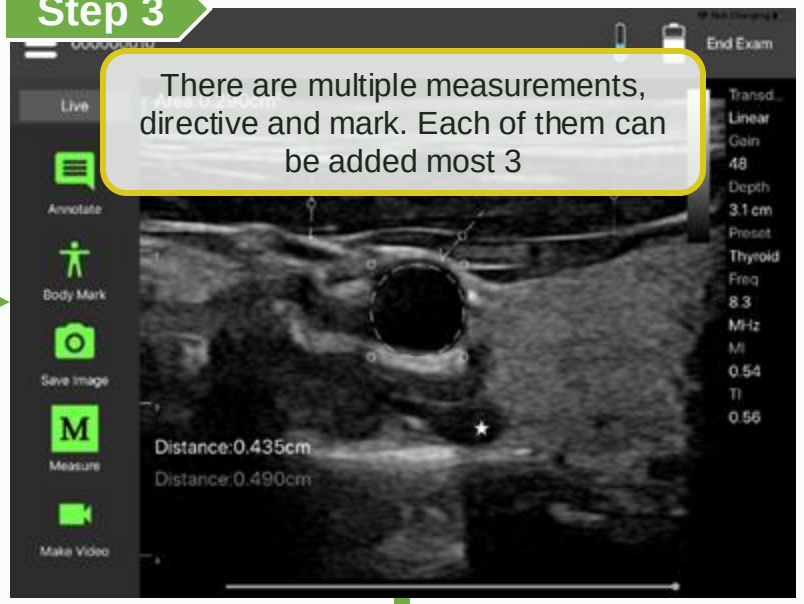
Step 1



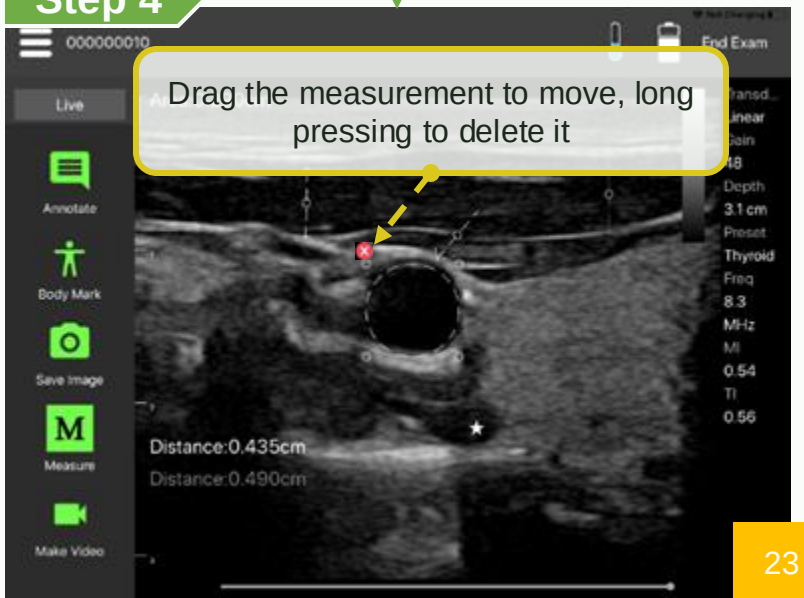
Step 2



Step 3



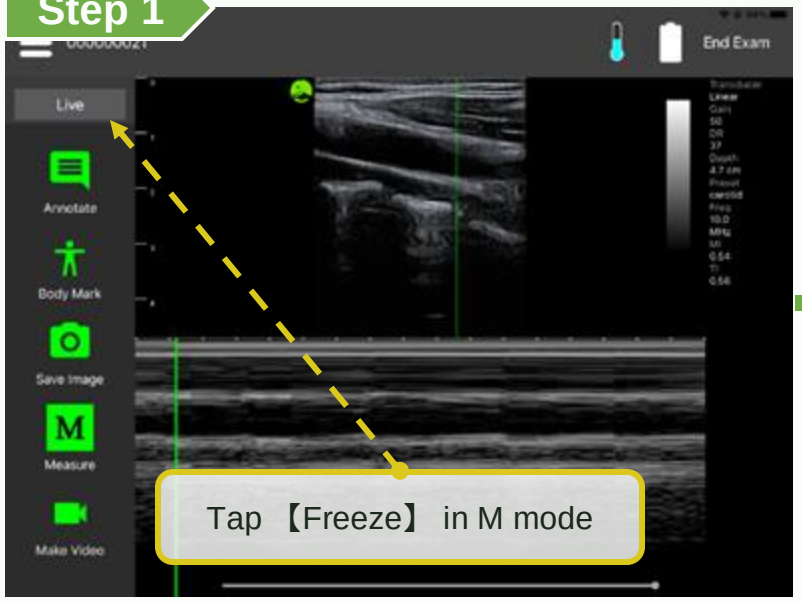
Step 4



Annotate, measure and save - Measure in M mode

E.I. MEDICAL IMAGING

Step 1



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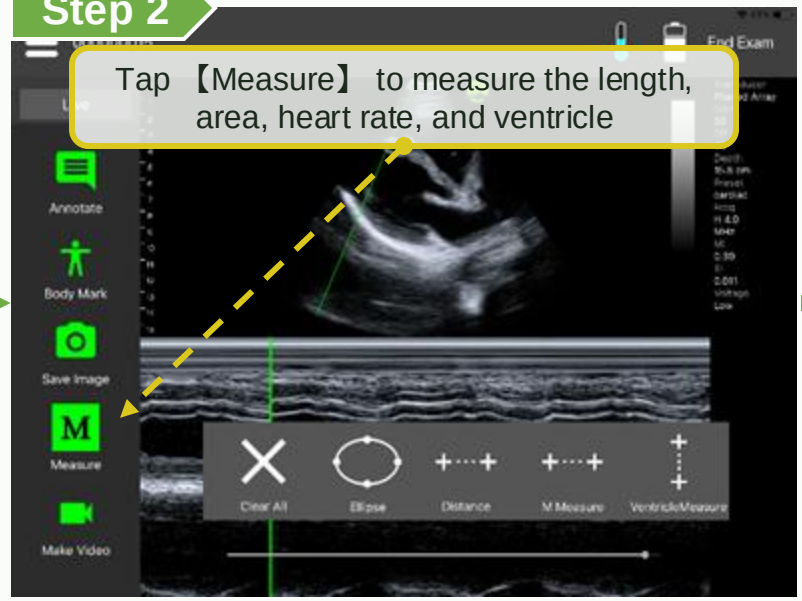
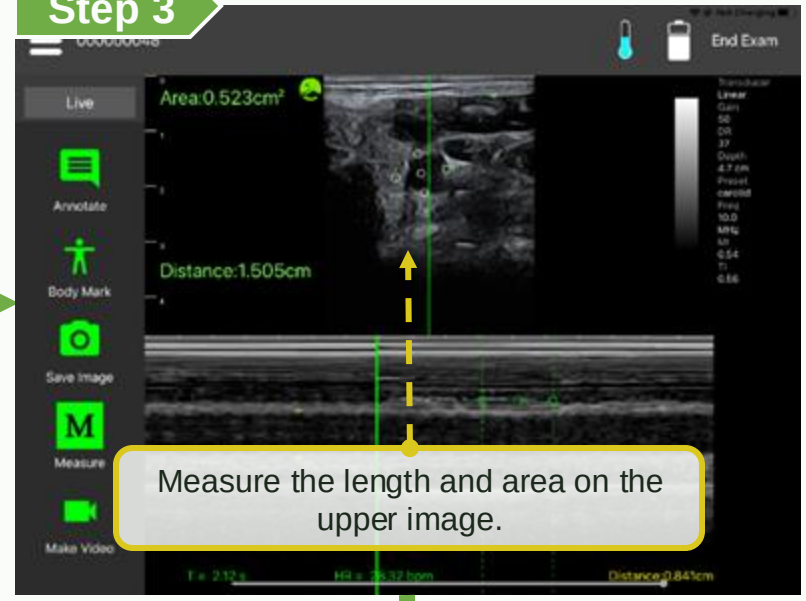
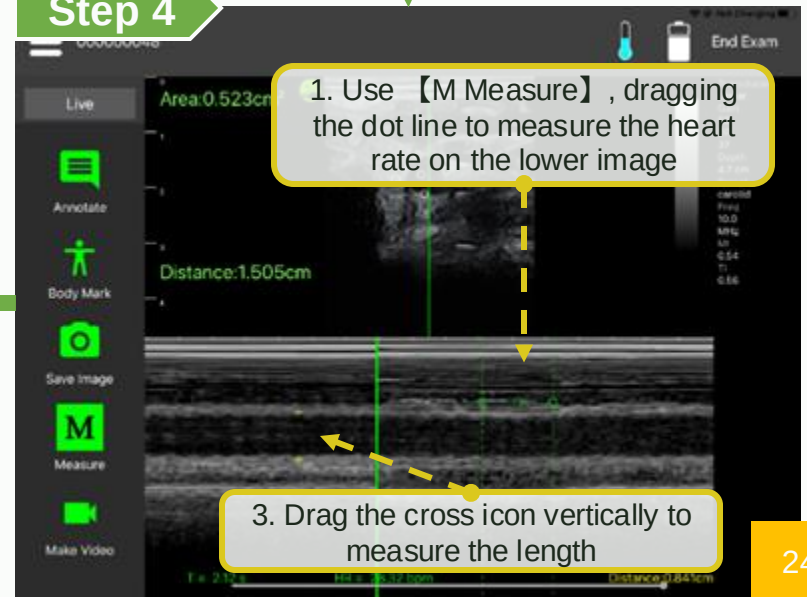


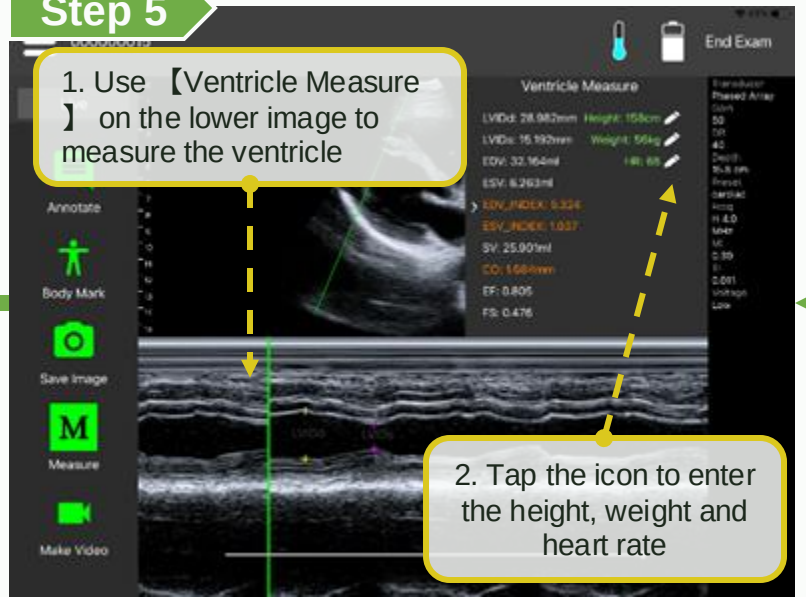
Step 3



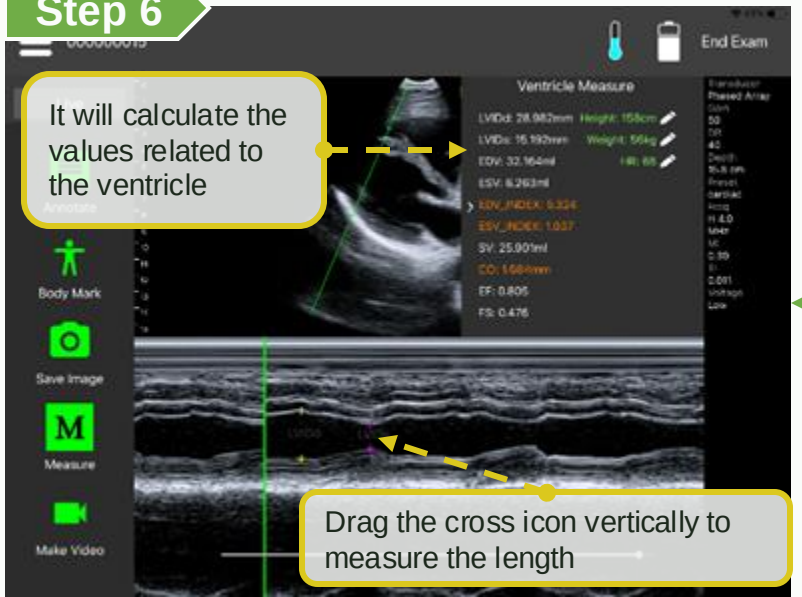
Step 4



Step 5



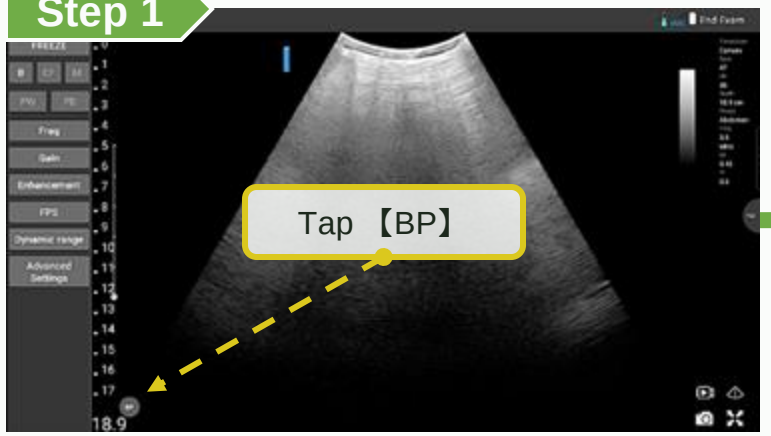
Step 6



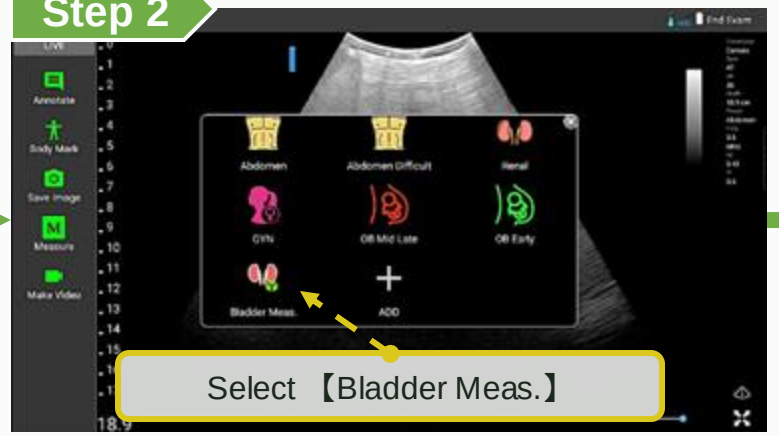
Annotate, measure and save - Measure Bladder

E.I. MEDICAL IMAGING

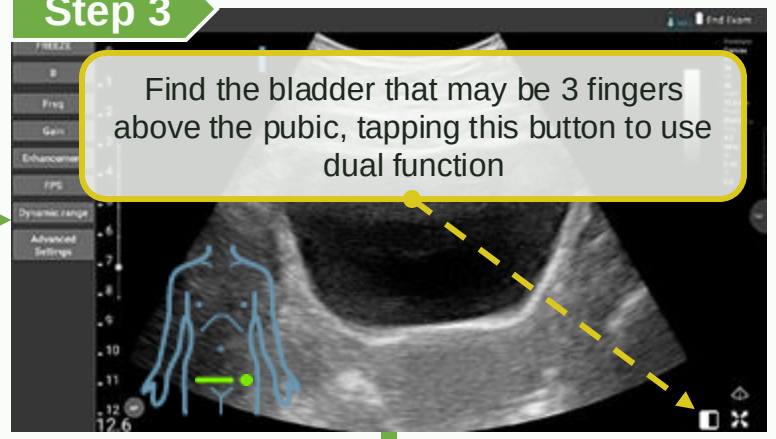
Step 1



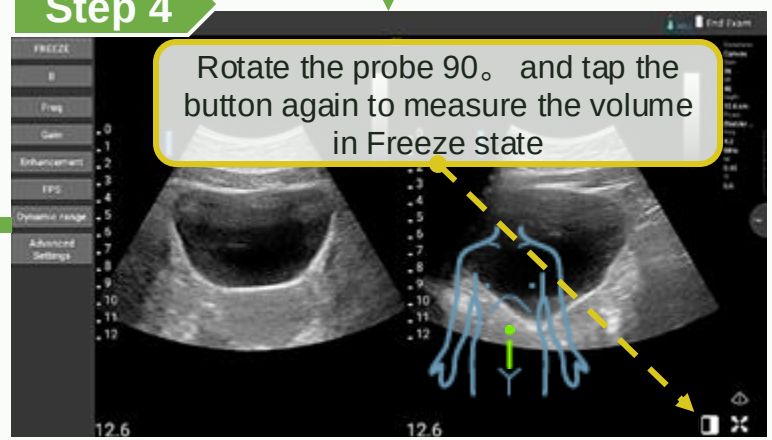
Step 2



Step 3



Step 4



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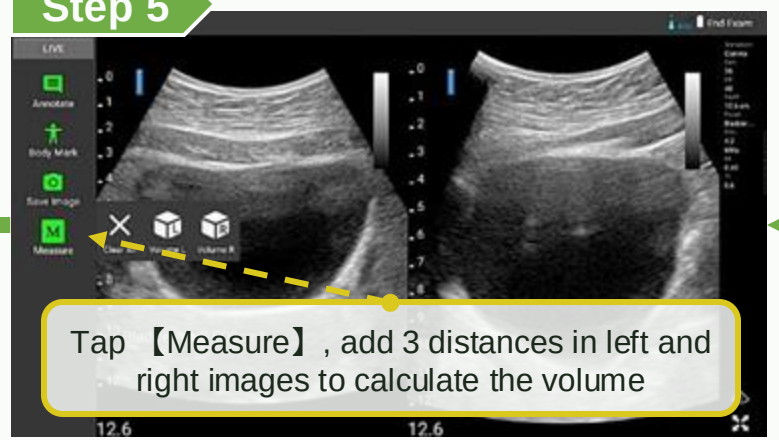
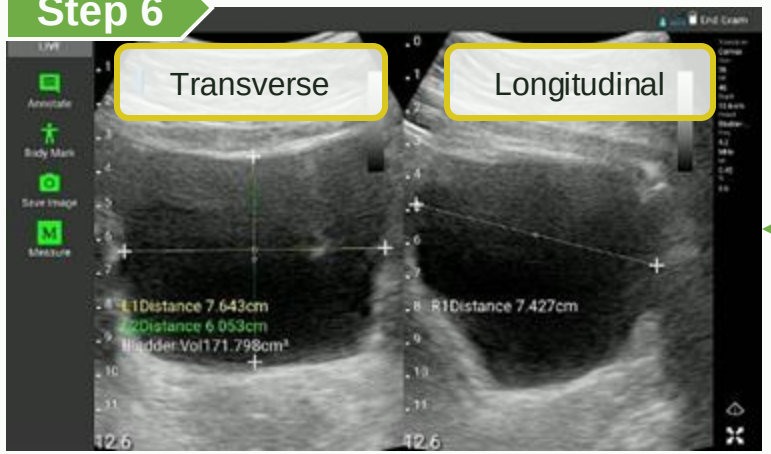


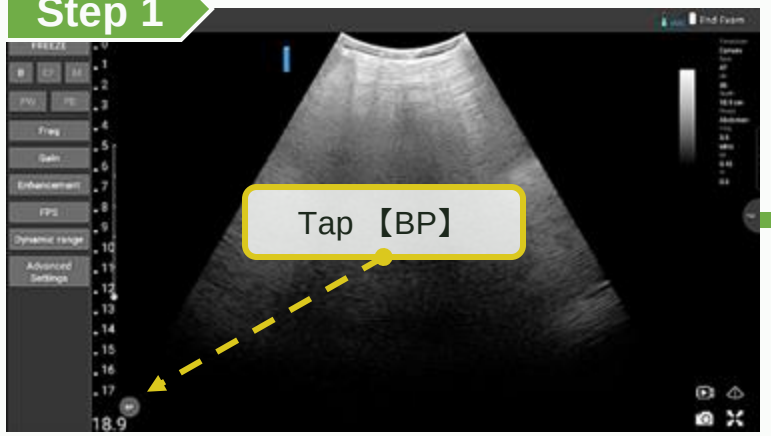
Step 6



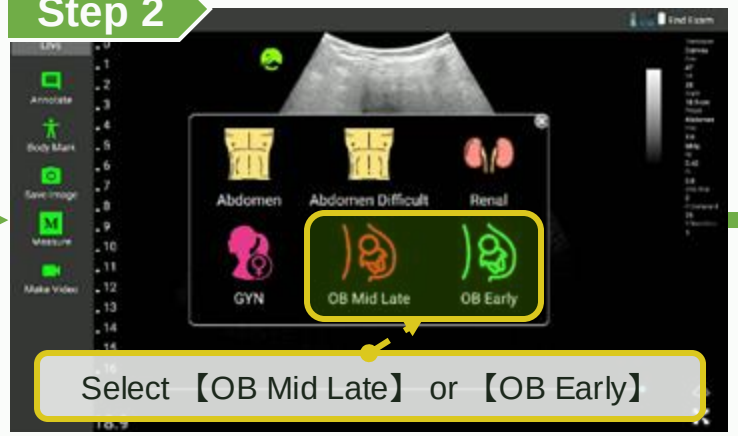
Annotate, measure and save - Calculating gestational age

E.I. MEDICAL IMAGING

Step 1



Step 2



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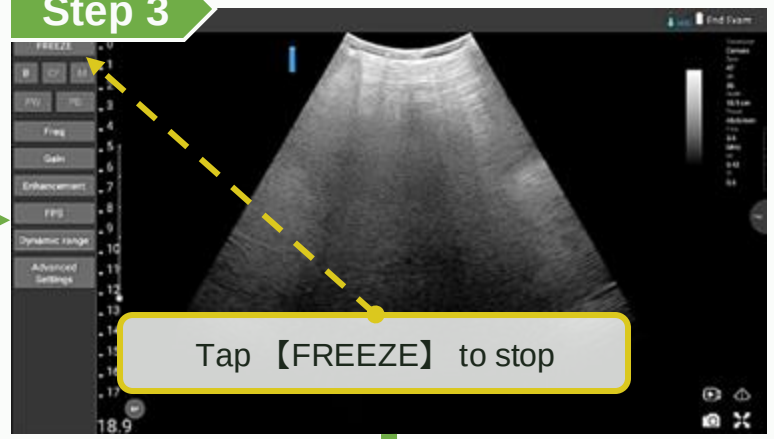
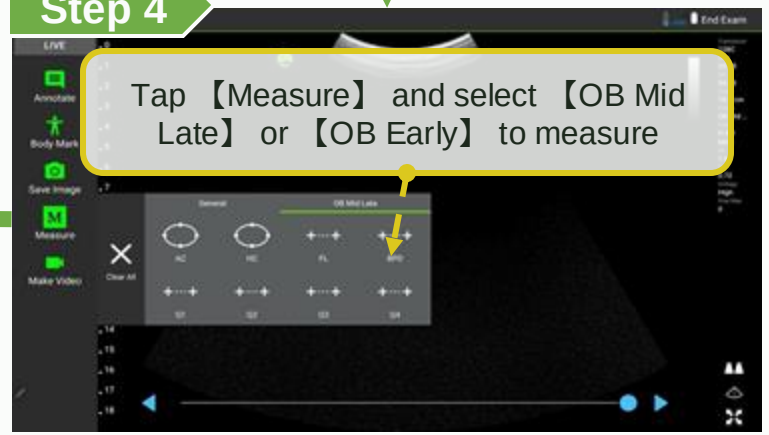
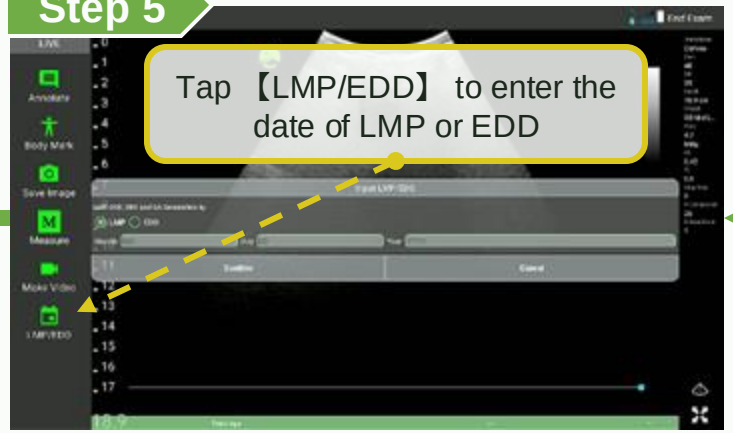


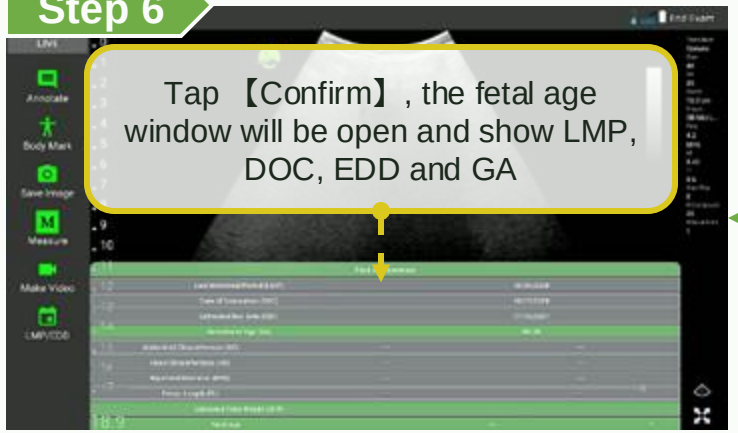
Step 4



Step 5



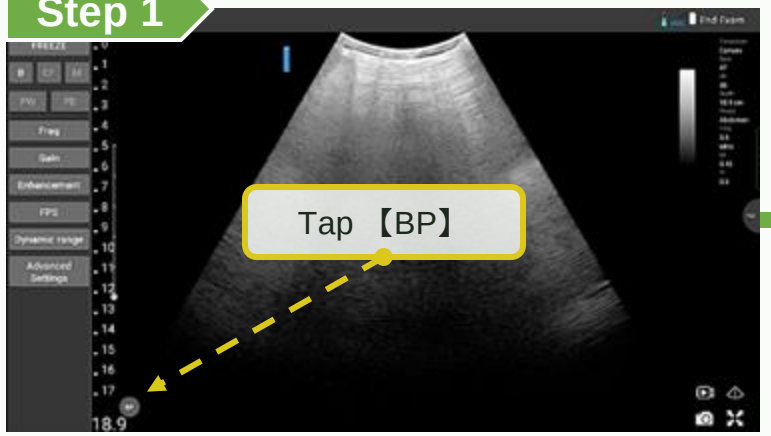
Step 6



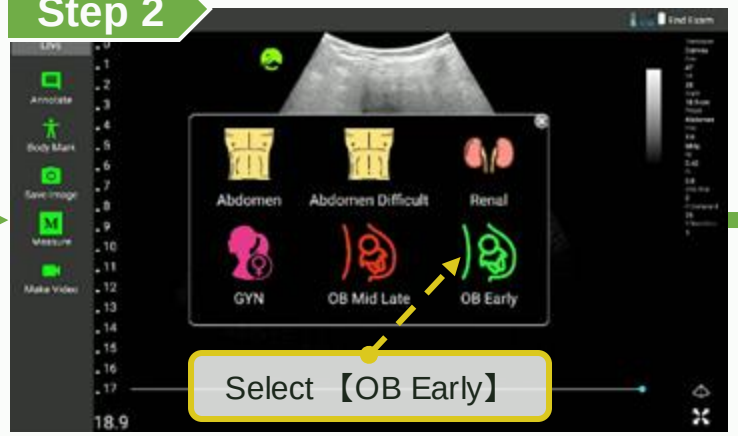
Annotate, measure and save - Measuring in OB early

E.I. MEDICAL IMAGING

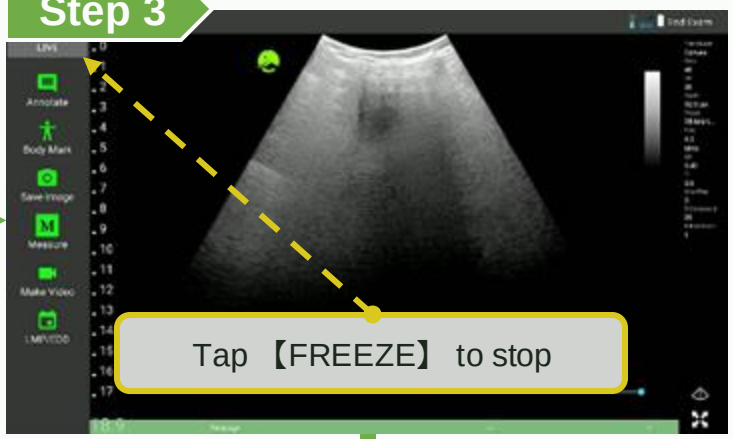
Step 1



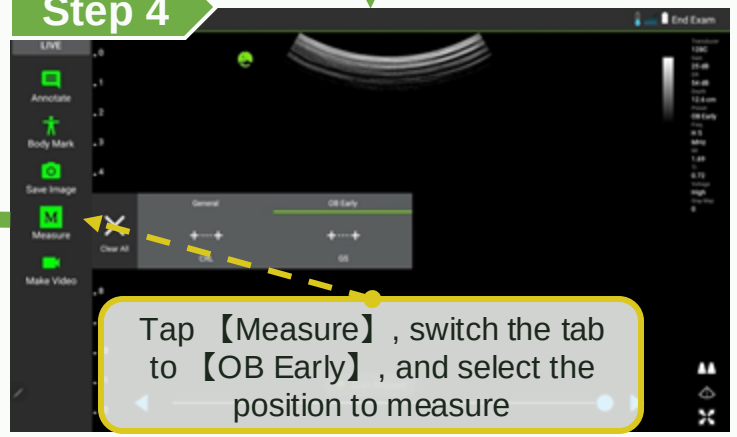
Step 2



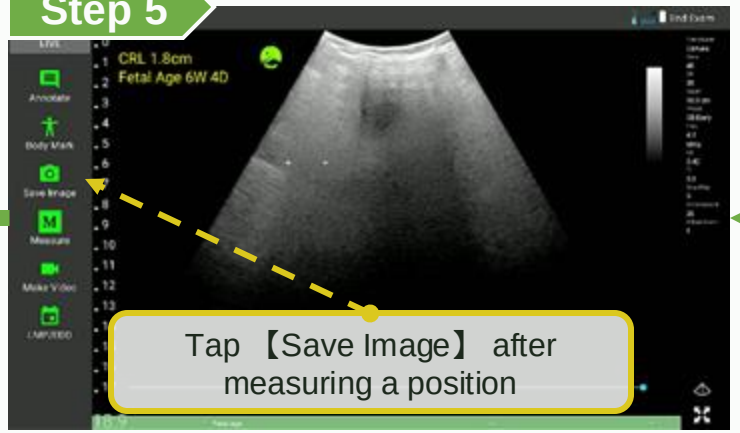
Step 3



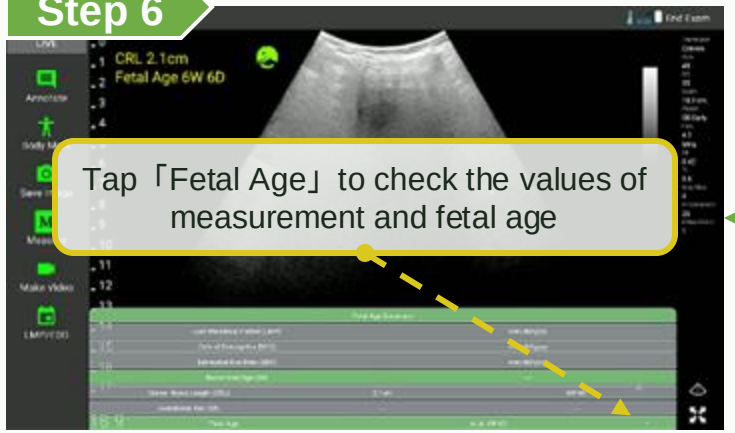
Step 4



Step 5



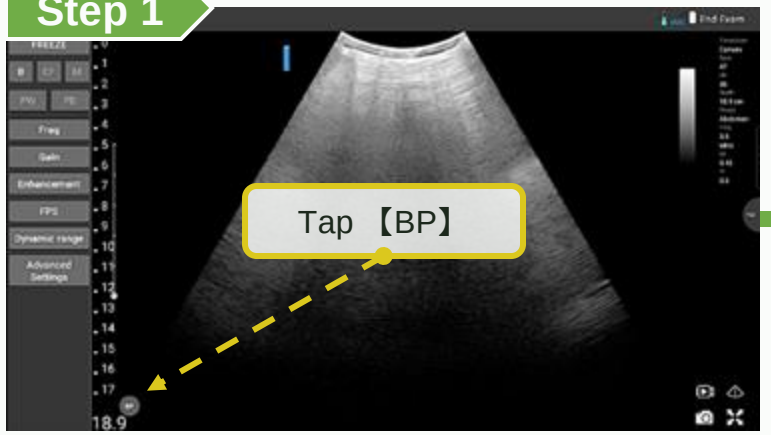
Step 6



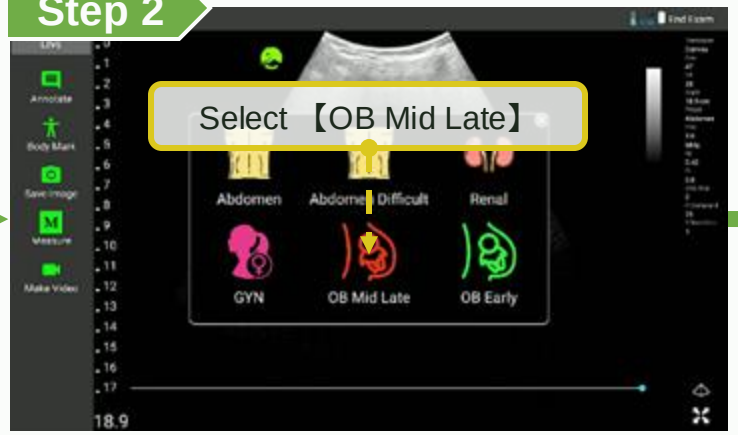
Annotate, measure and save - Measuring in OB mid late

E.I. MEDICAL IMAGING

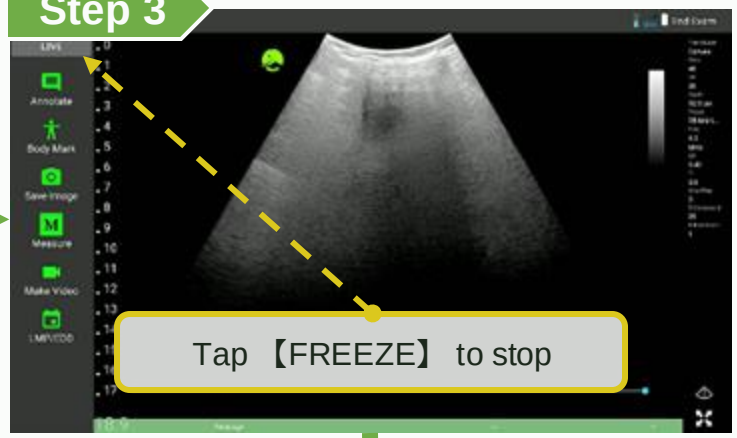
Step 1



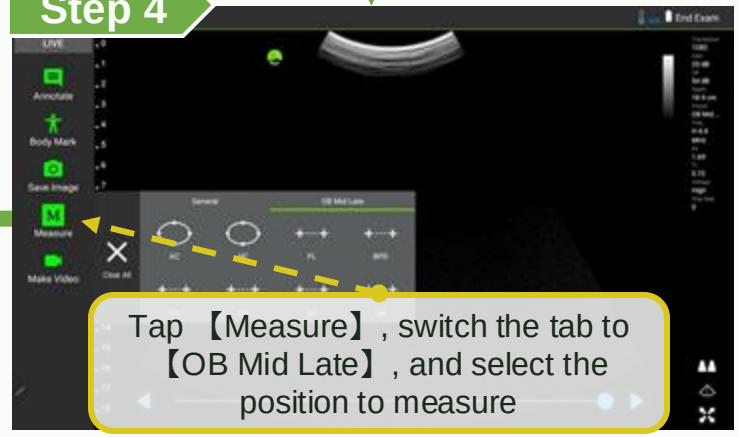
Step 2



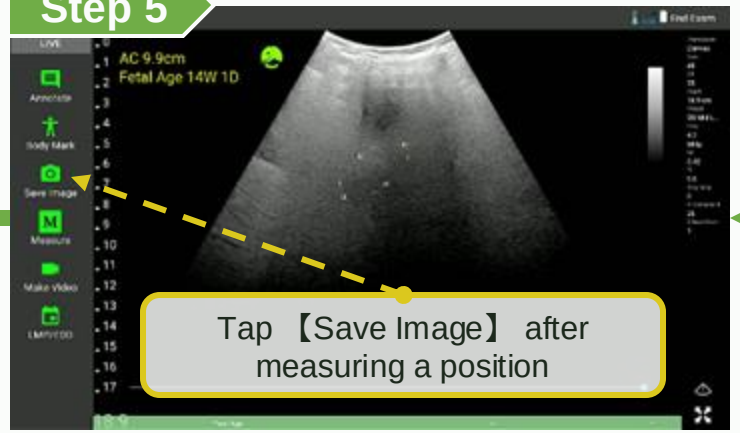
Step 3



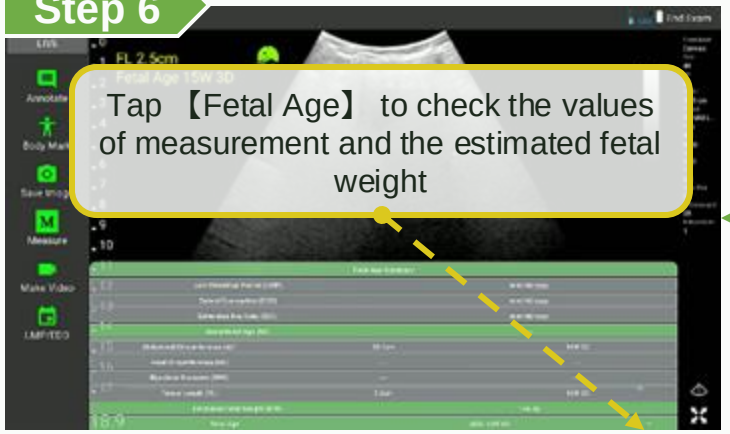
Step 4



Step 5



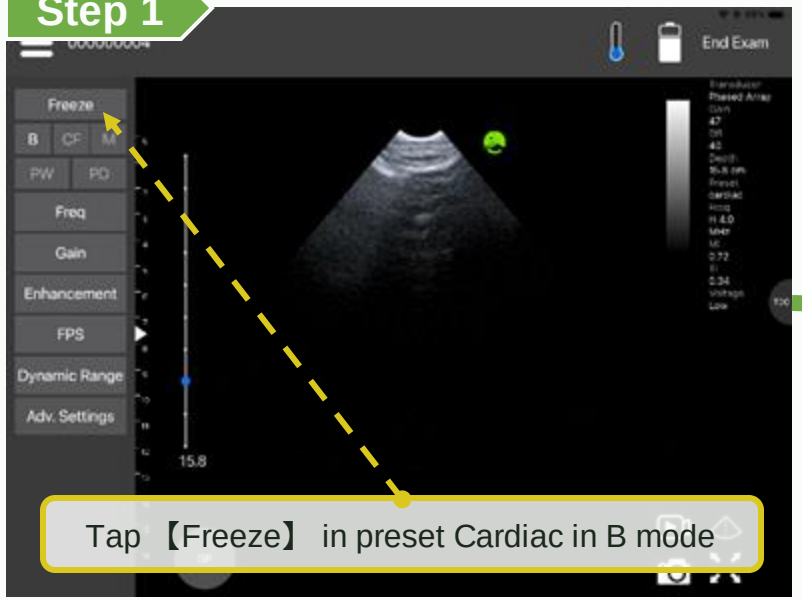
Step 6



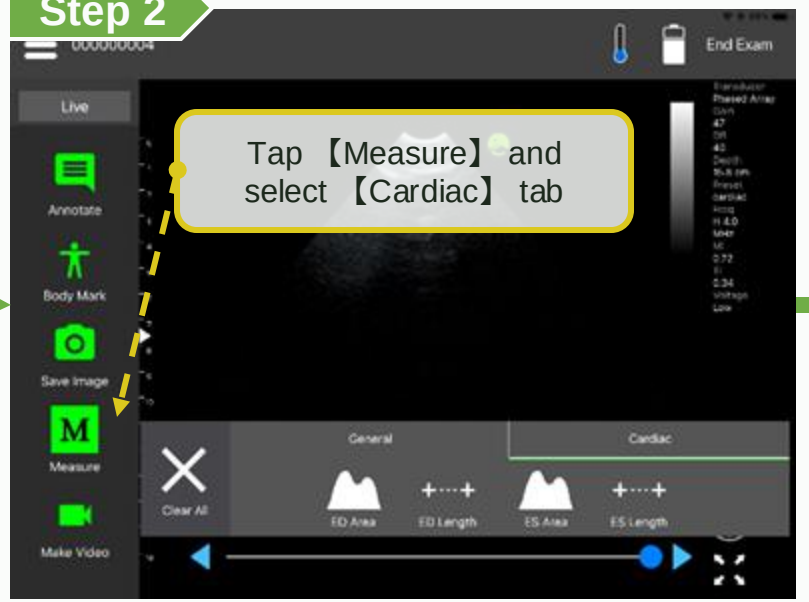
Annotate, measure and save - Measuring cardiac in B mode

E.I. MEDICAL IMAGING

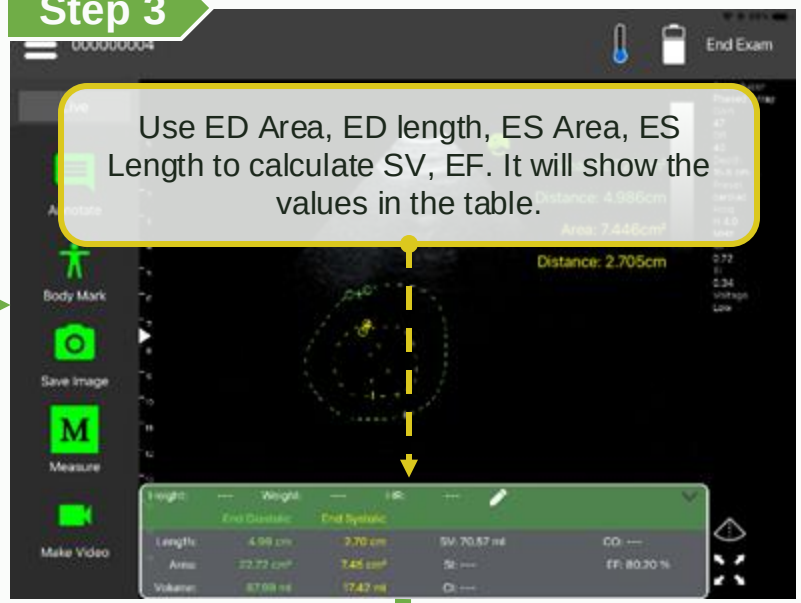
Step 1



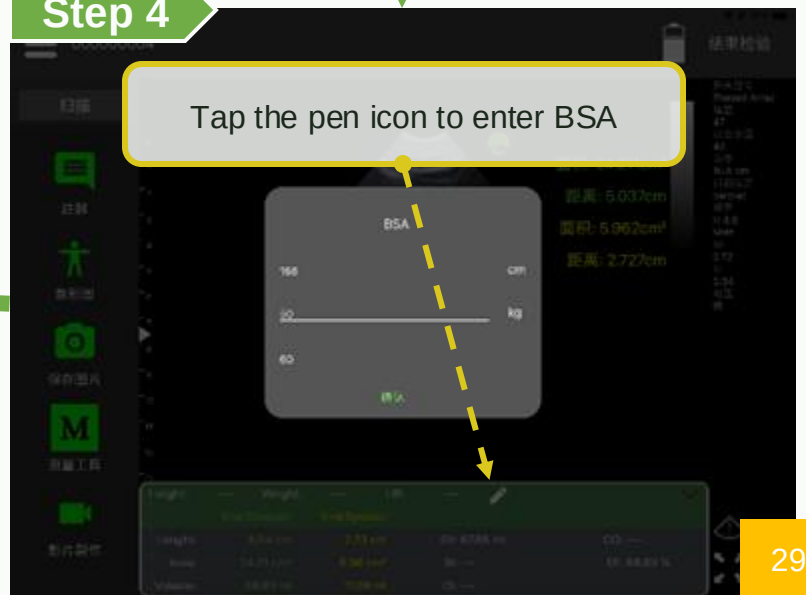
Step 2



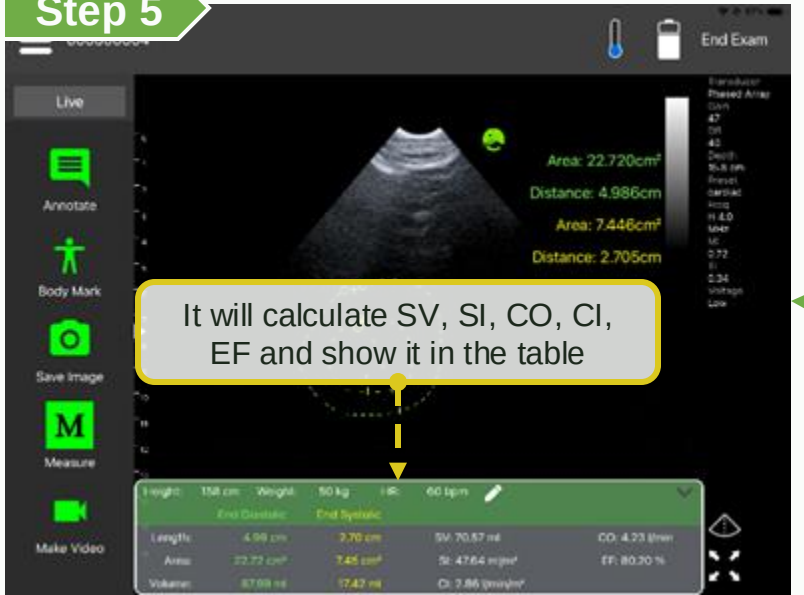
Step 3



Step 4



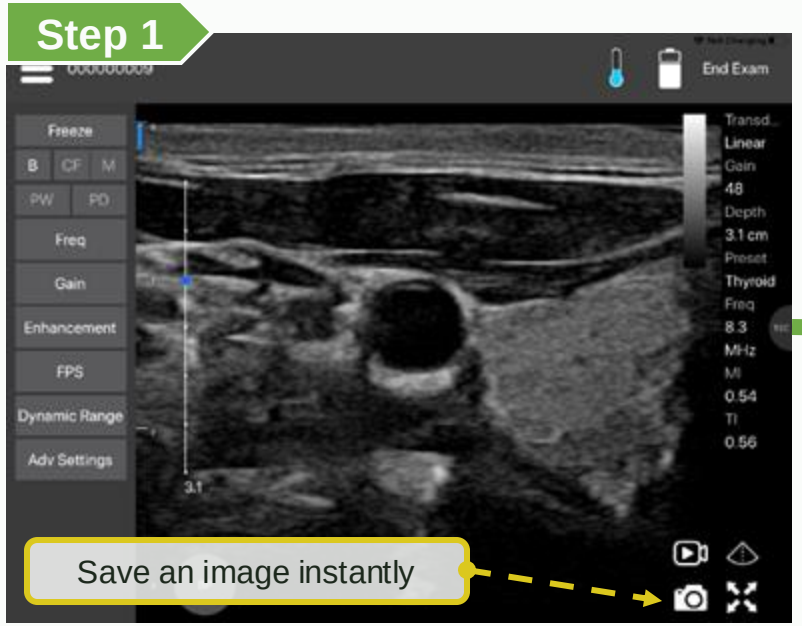
Step 5



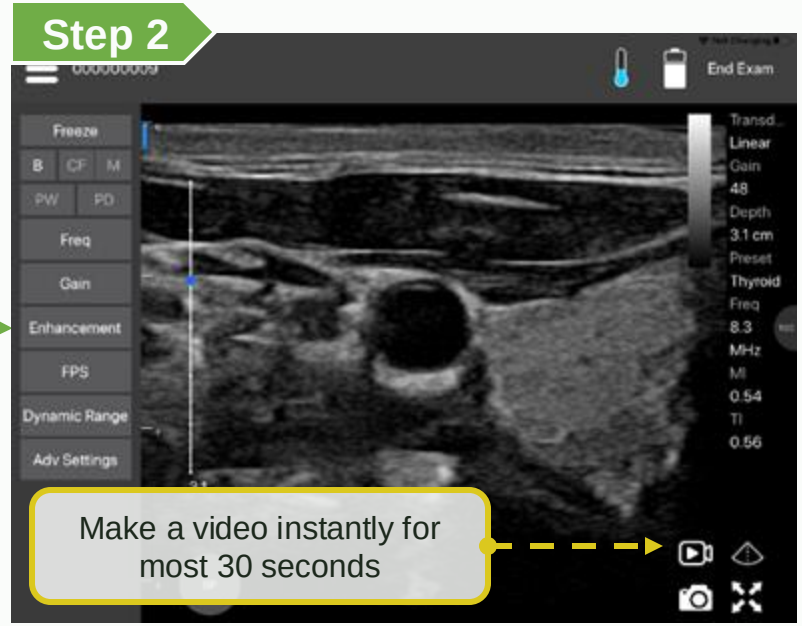
Annotate, measure and save - Save (Instant)

E.I. MEDICAL IMAGING

Step 1



Step 2

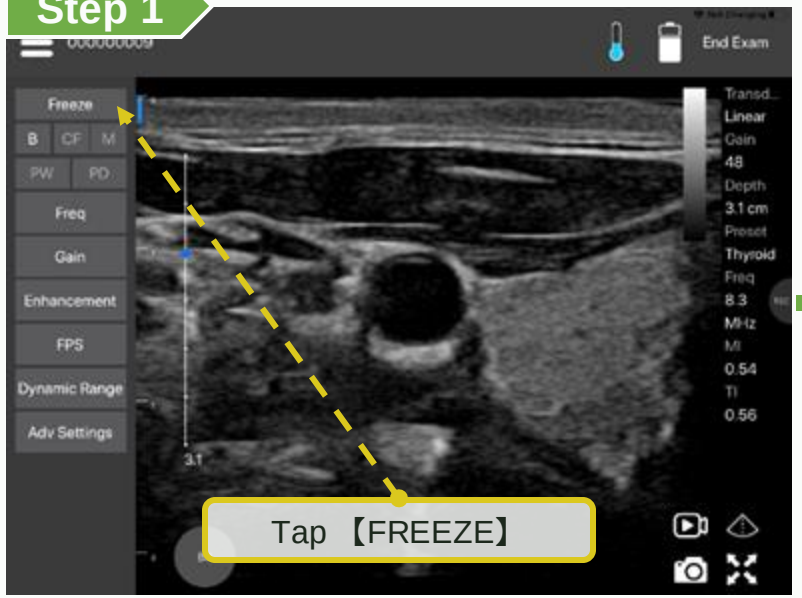


Up to 200 frames or more than 15 seconds

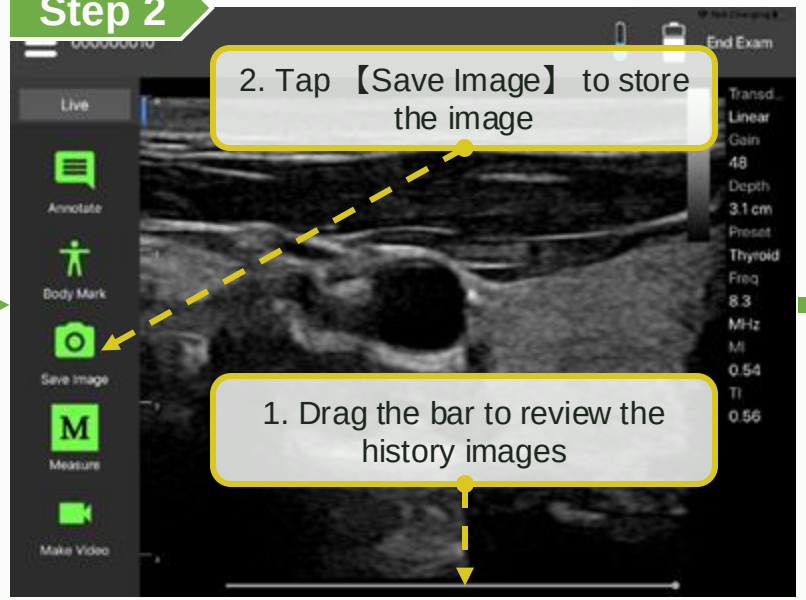
Annotate, measure and save - Save (Not Instant)

E.I. MEDICAL IMAGING

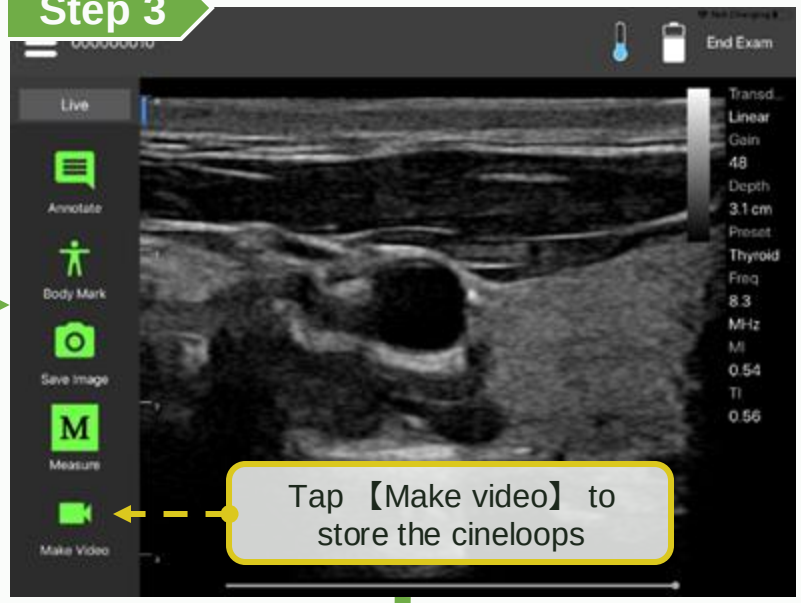
Step 1



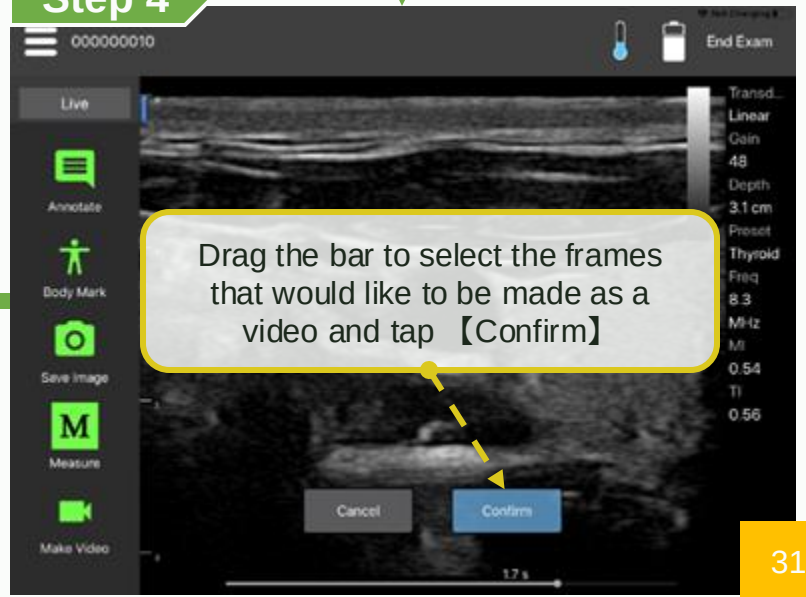
Step 2



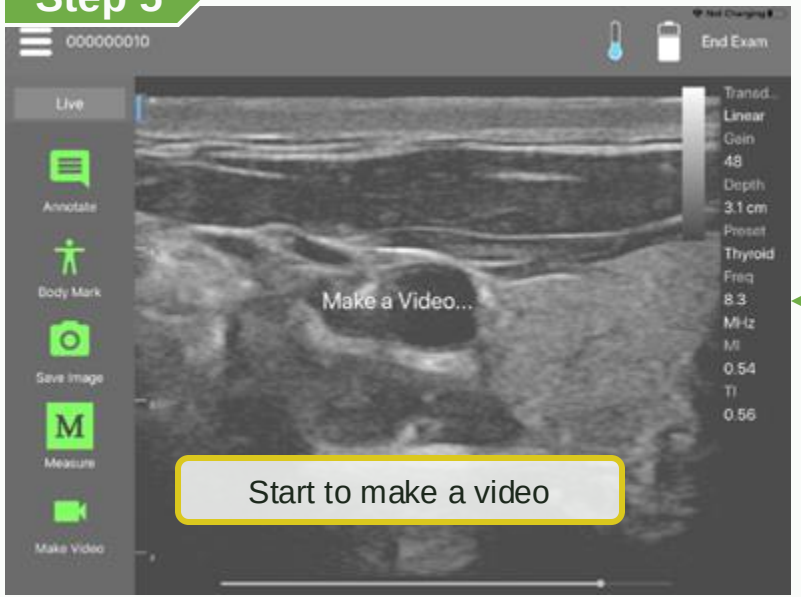
Step 3



Step 4



Step 5

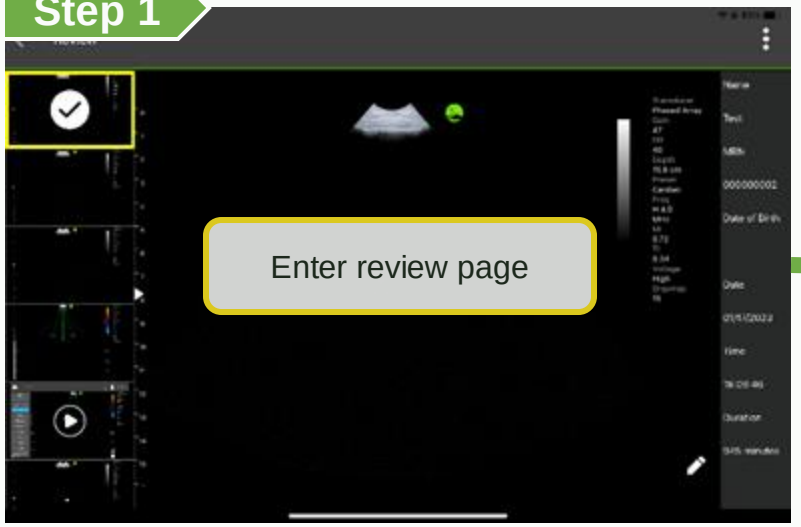


Up to 200 frames or more than 15 seconds

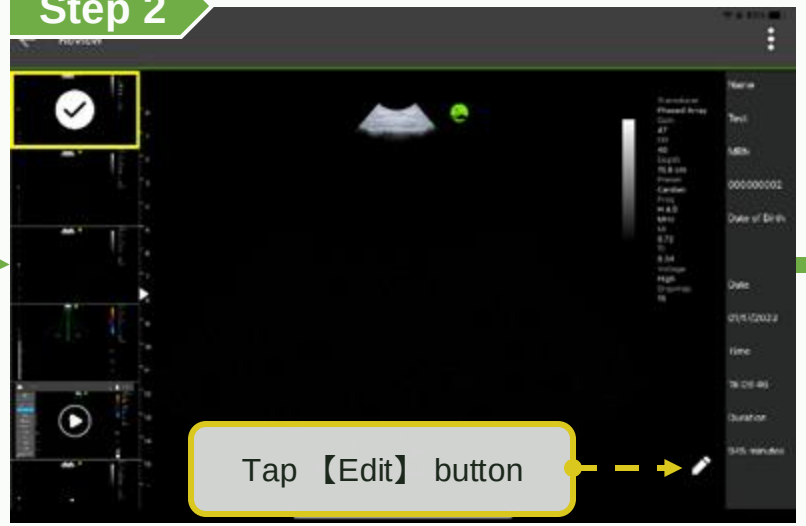
Annotate, measure and save - Re-edited, re-measured image

E.I. MEDICAL IMAGING

Step 1

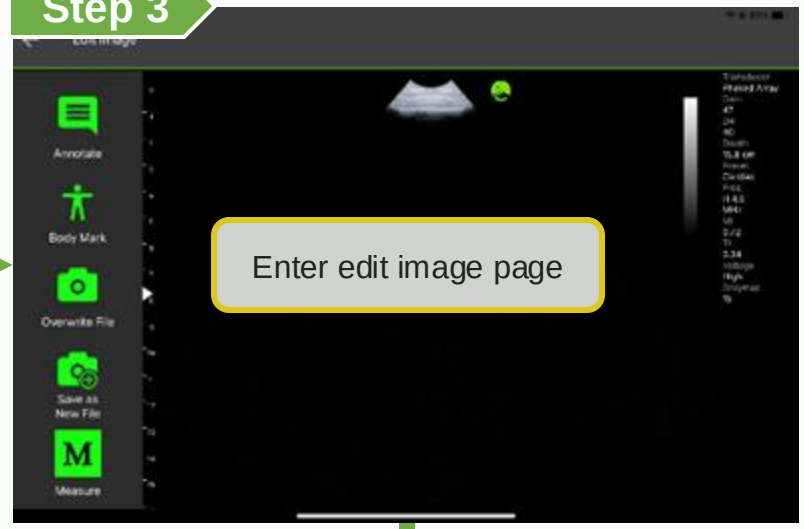


Step 2

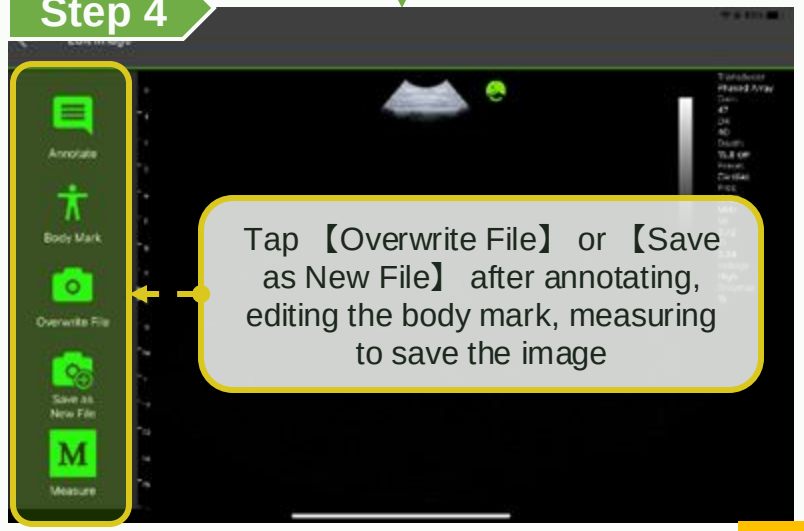


The image should be B mode without specific measurement tools

Step 3



Step 4

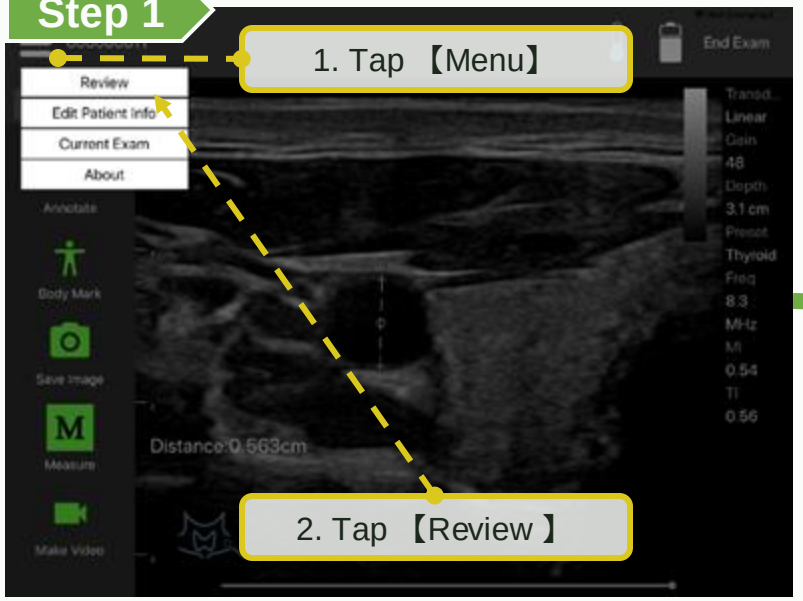


Annotate, measure and save - Export

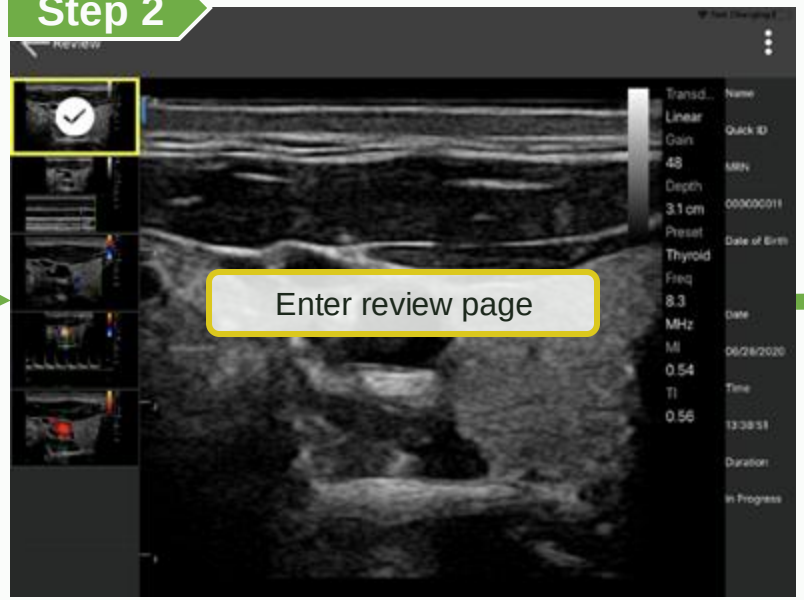
*Please export the files regularly to avoid data loss.

E.I. MEDICAL IMAGING

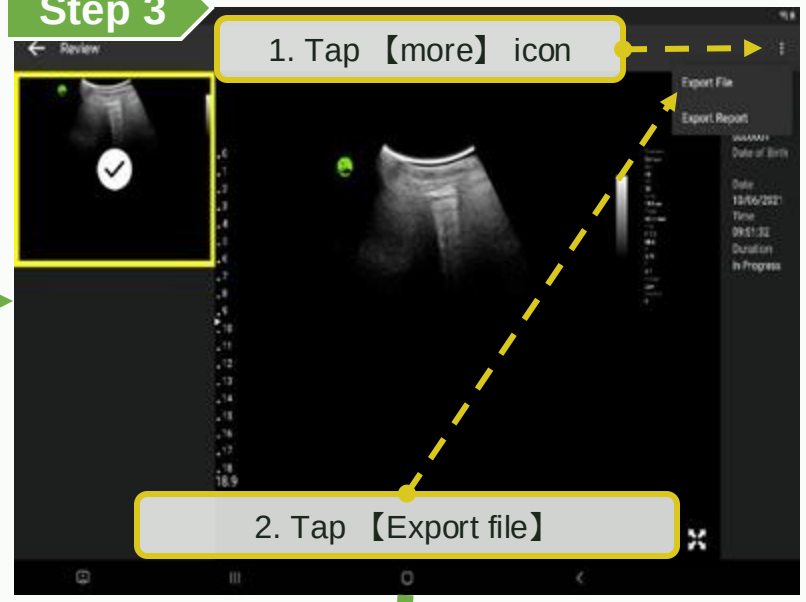
Step 1



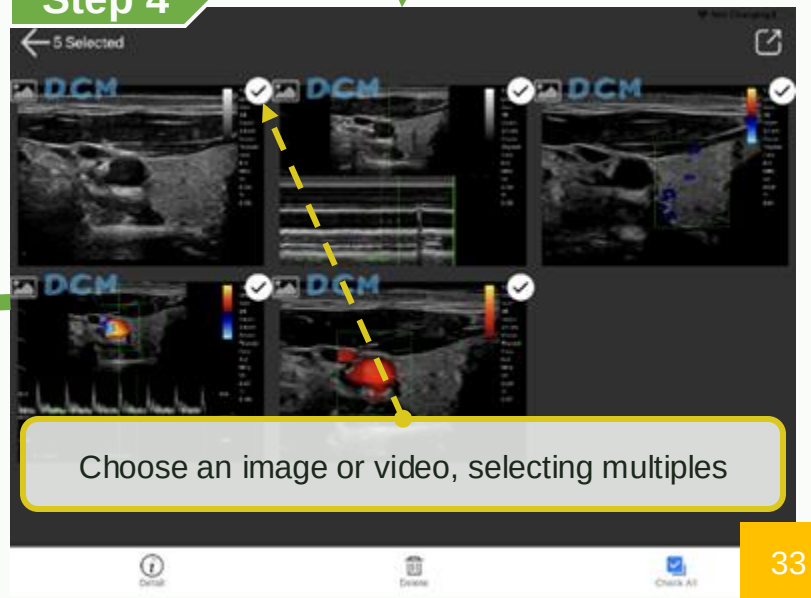
Step 2



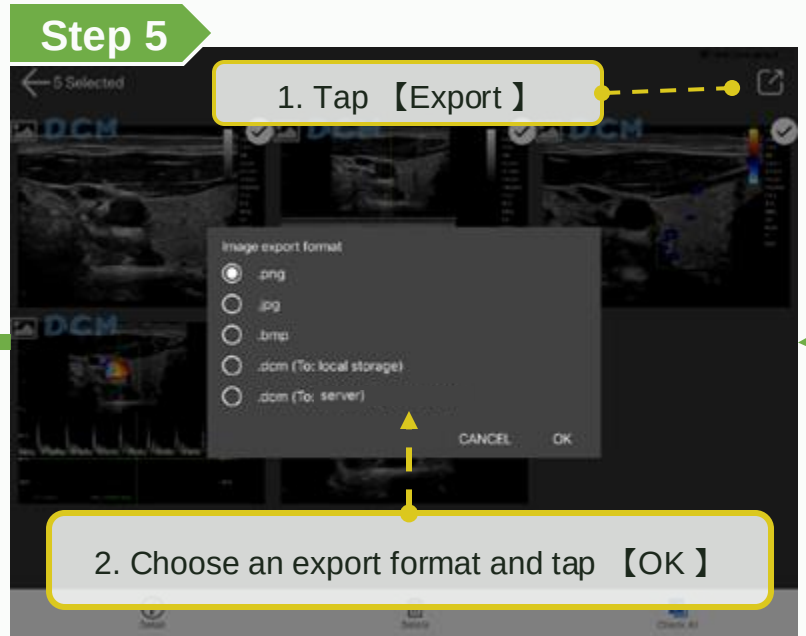
Step 3



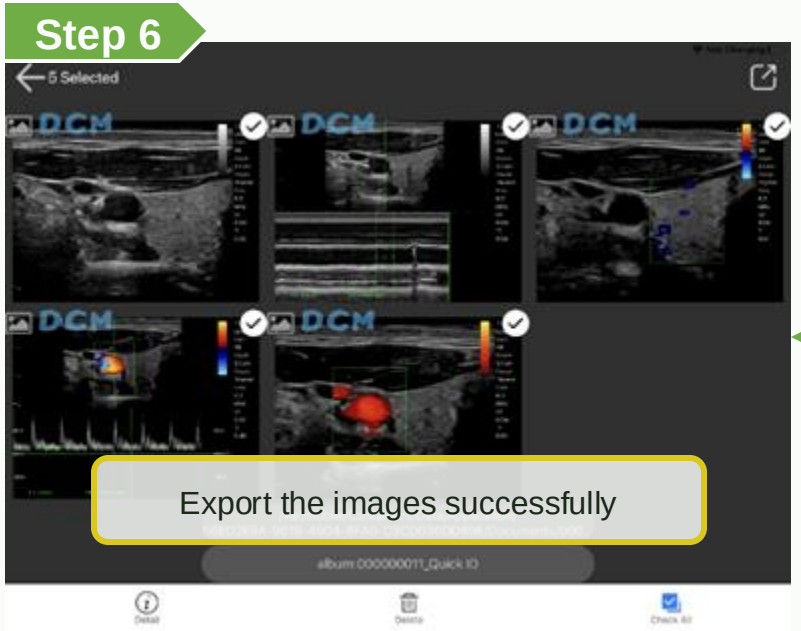
Step 4



Step 5



Step 6



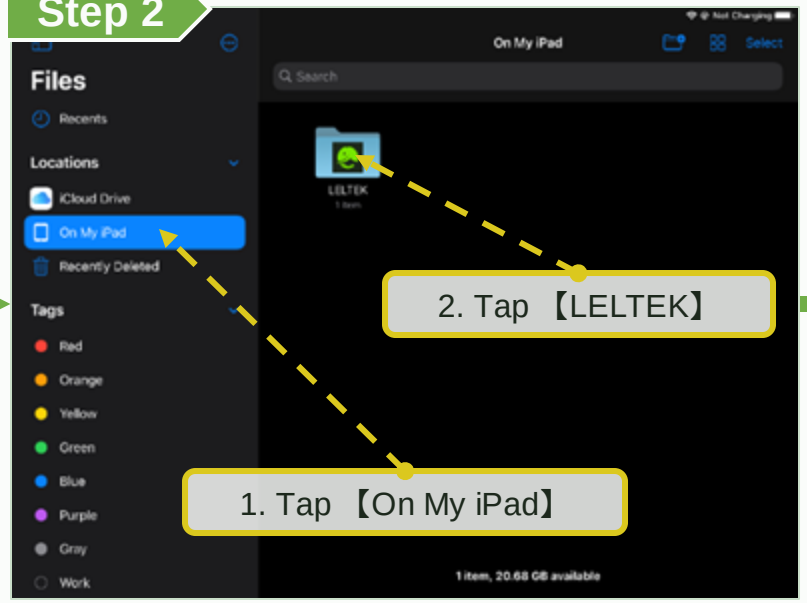
Annotate, measure and save - Export path

E.I. MEDICAL IMAGING

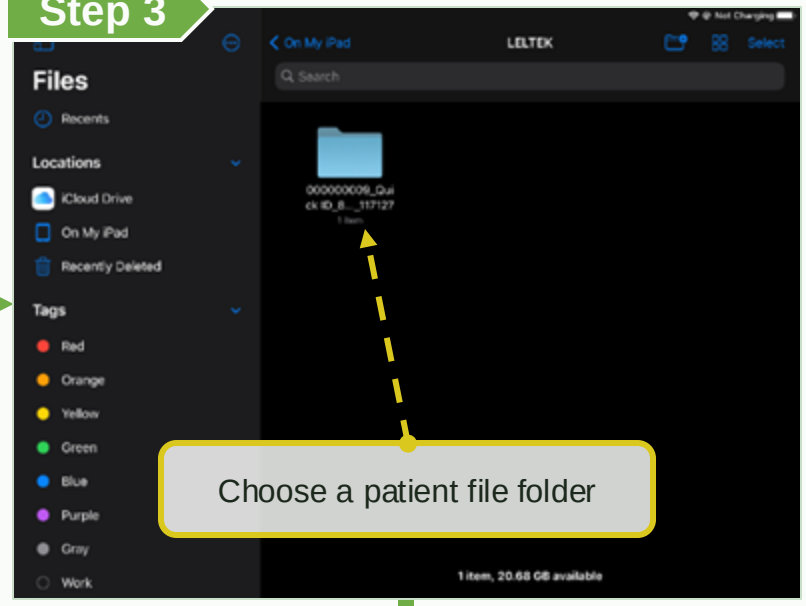
Step 1

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

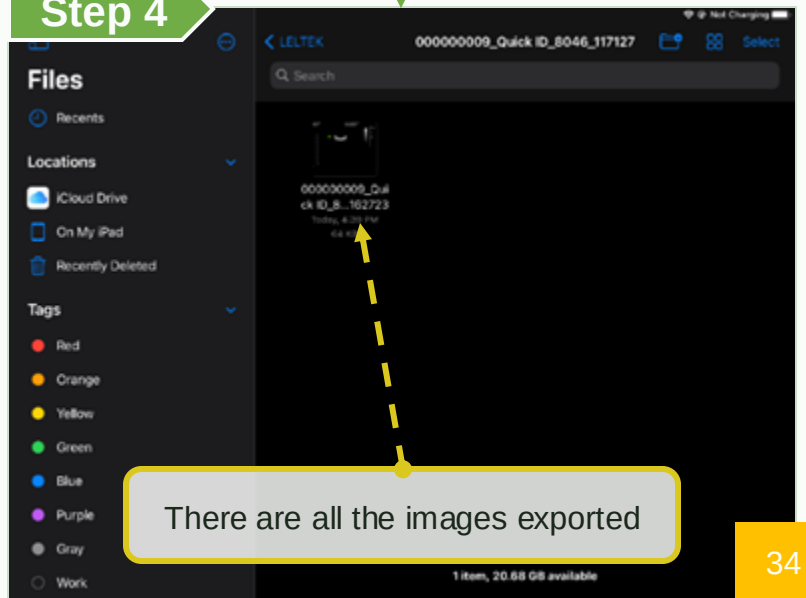
Step 2



Step 3



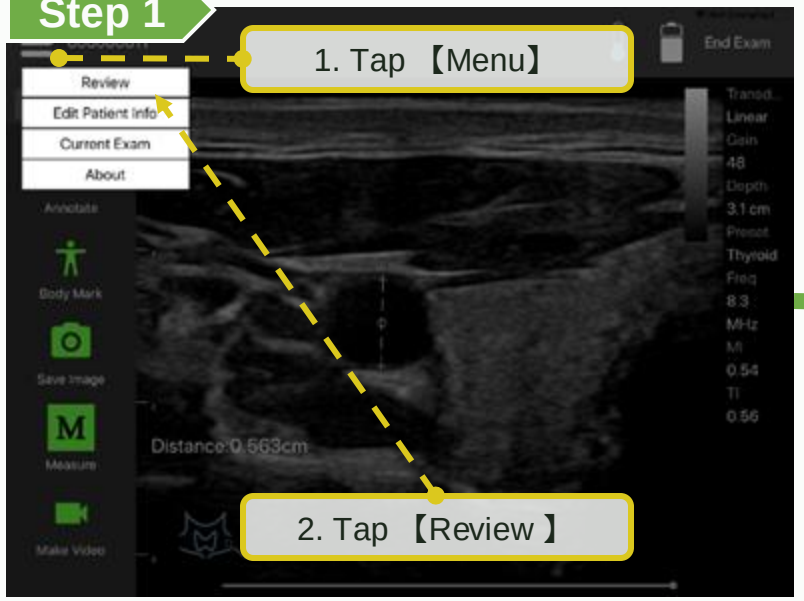
Step 4



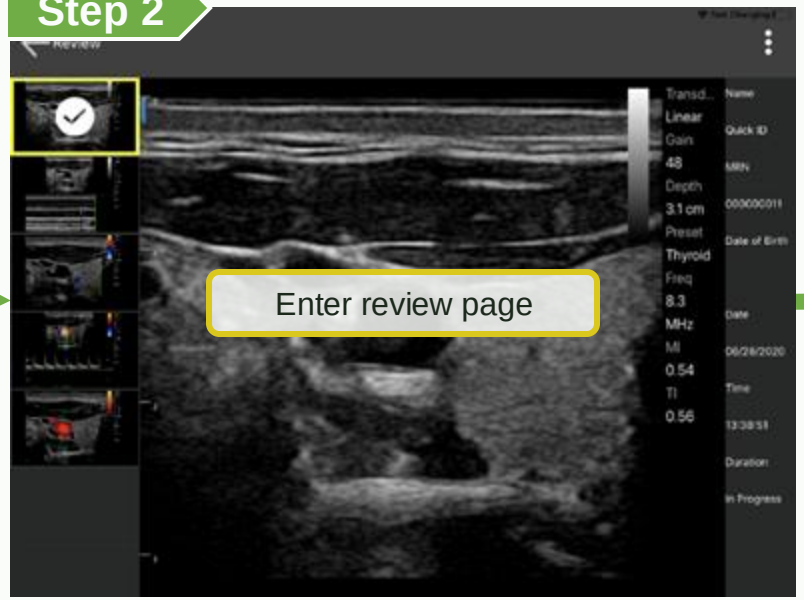
Annotate, measure and save - Share

E.I. MEDICAL IMAGING

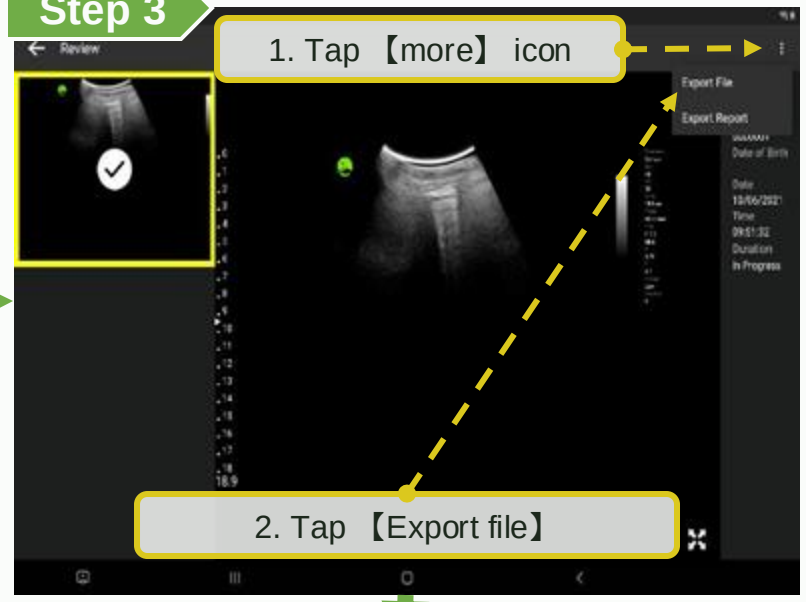
Step 1



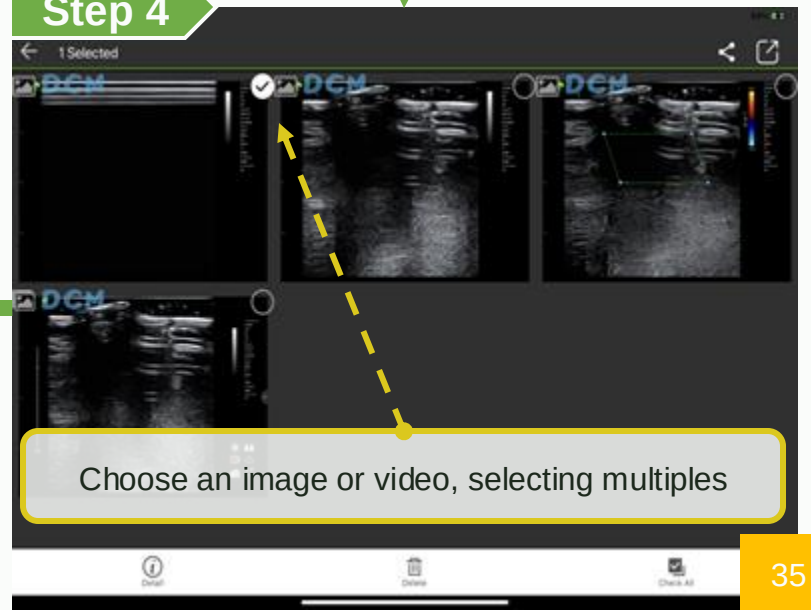
Step 2



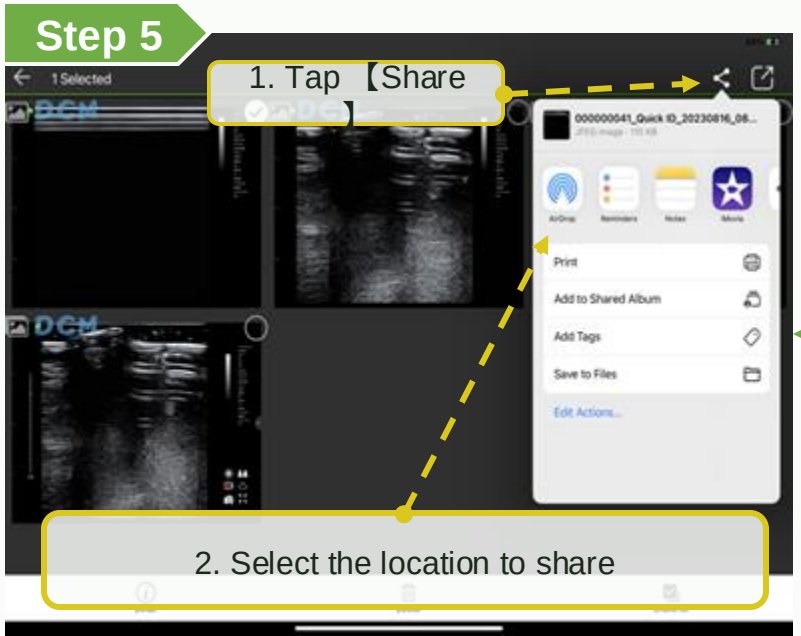
Step 3



Step 4



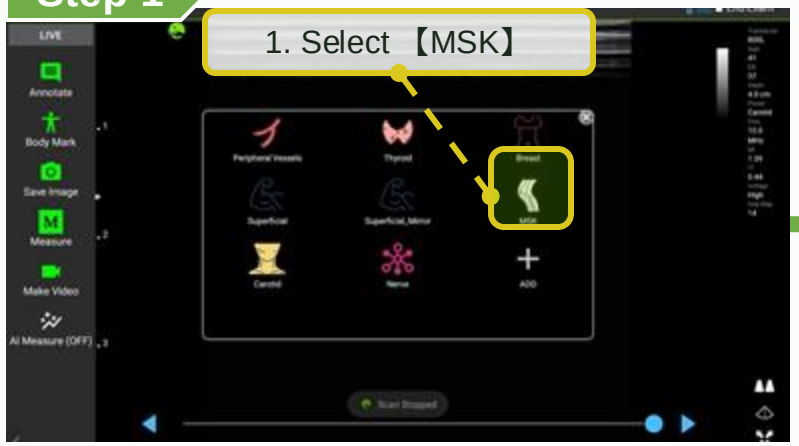
Step 5



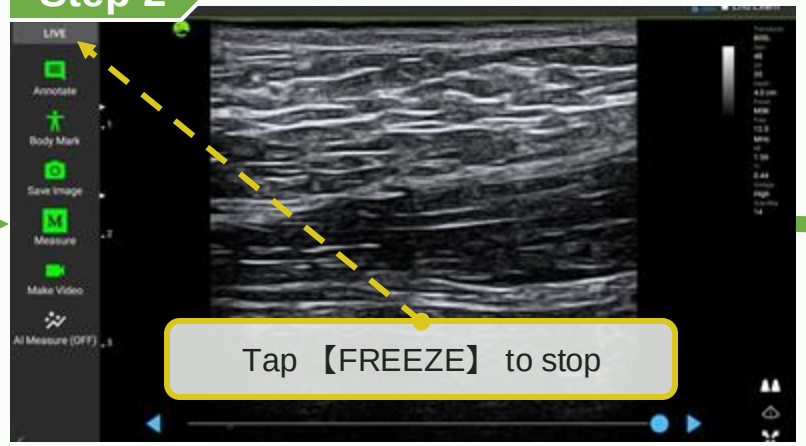
Annotate, measure and save - AI Measure Fat

E.I. MEDICAL IMAGING

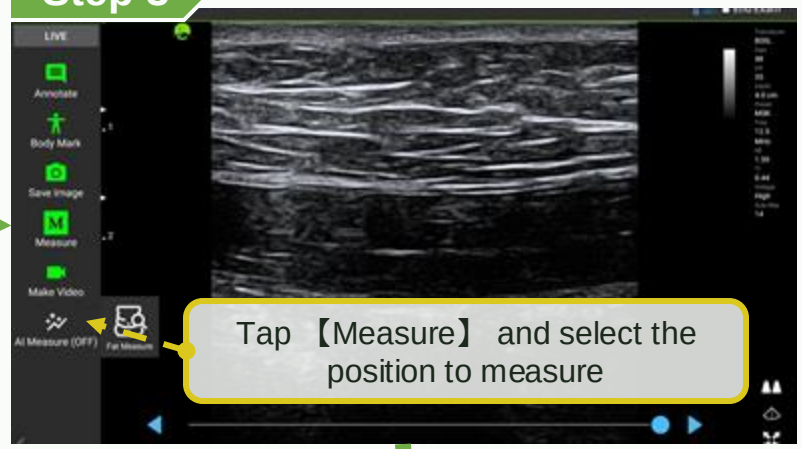
Step 1



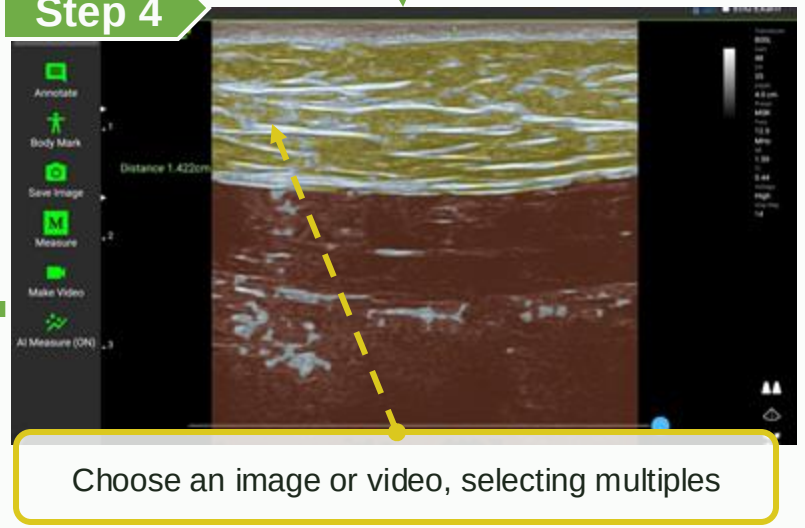
Step 2



Step 3



Step 4

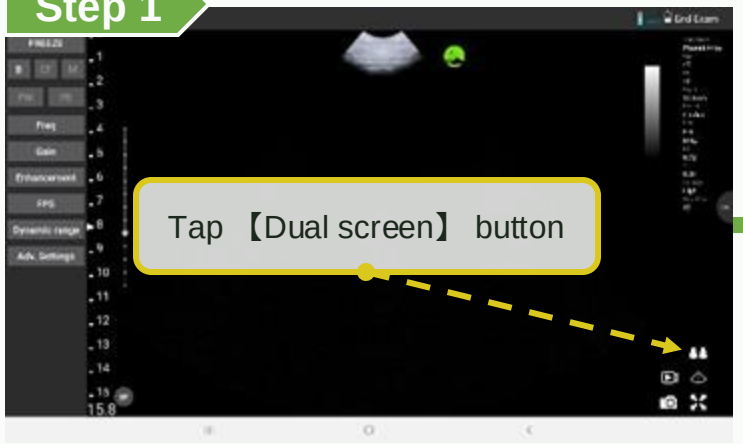


【Dual screen】

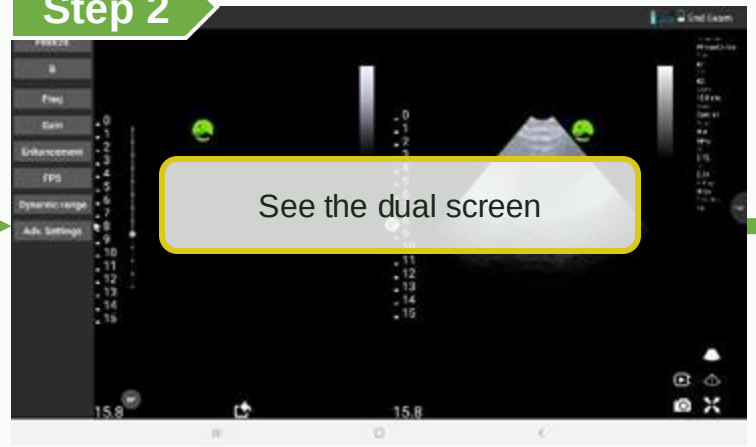
Dual Screen - Turn on / off

E.I. MEDICAL IMAGING

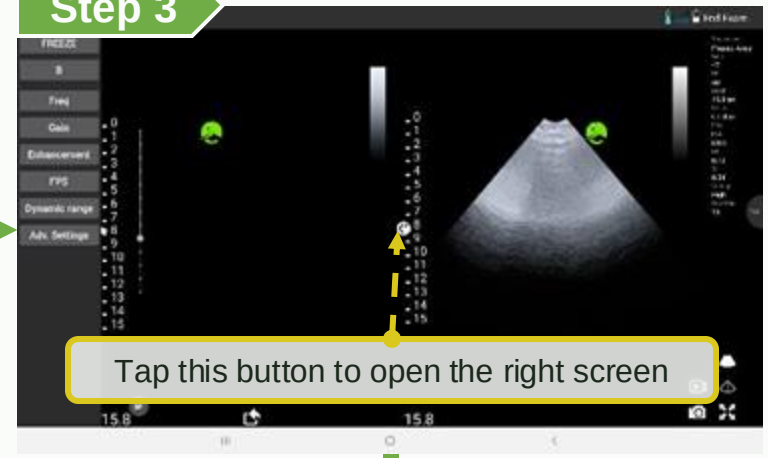
Step 1



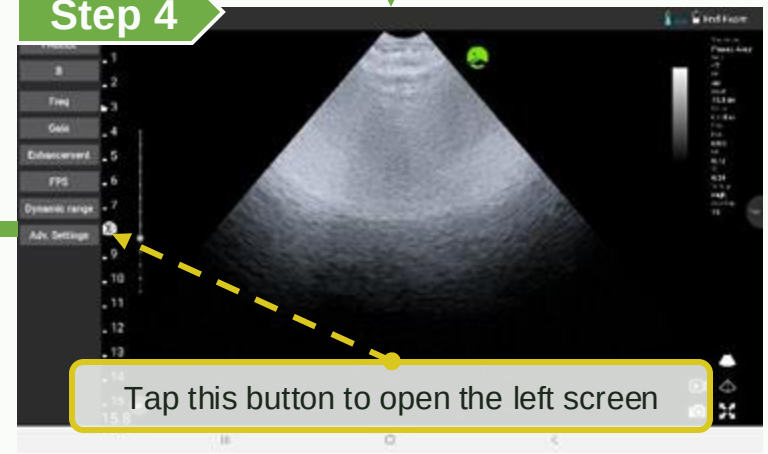
Step 2



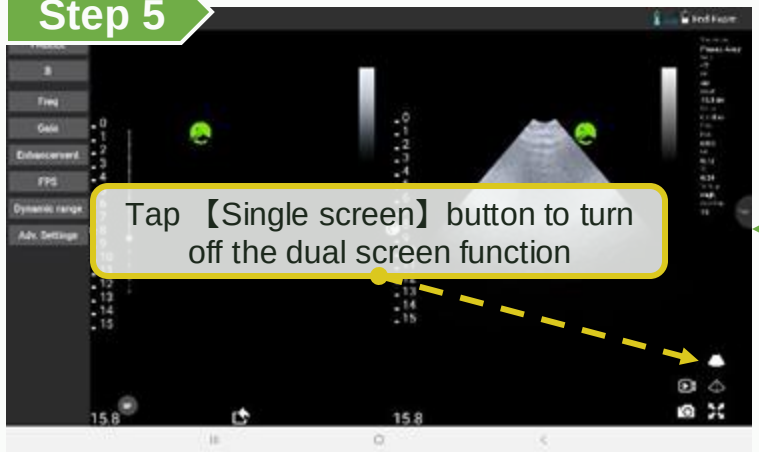
Step 3



Step 4



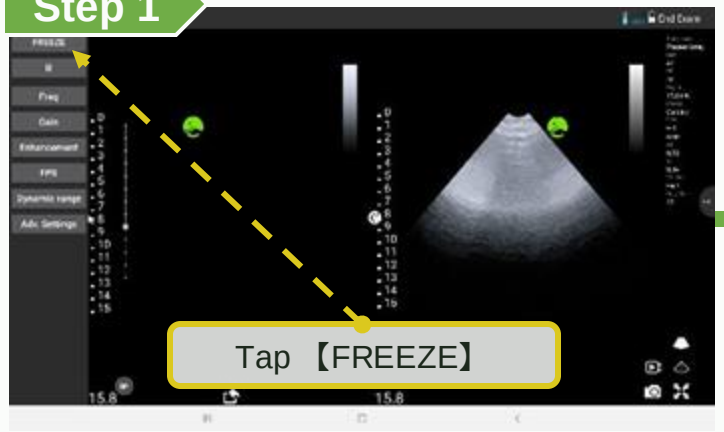
Step 5



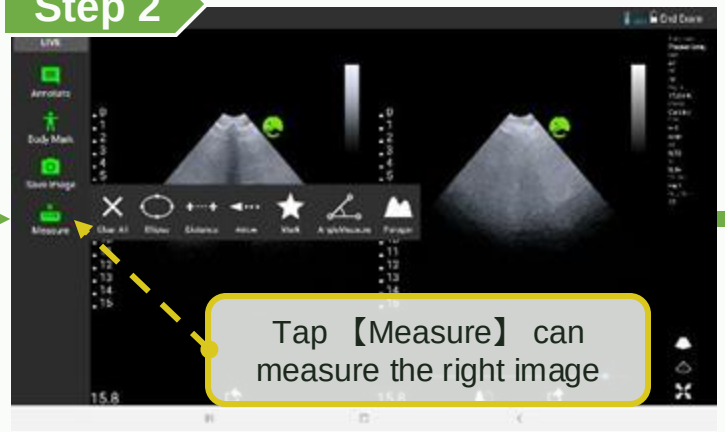
Dual Screen - Measure and export current image

E.I. MEDICAL IMAGING

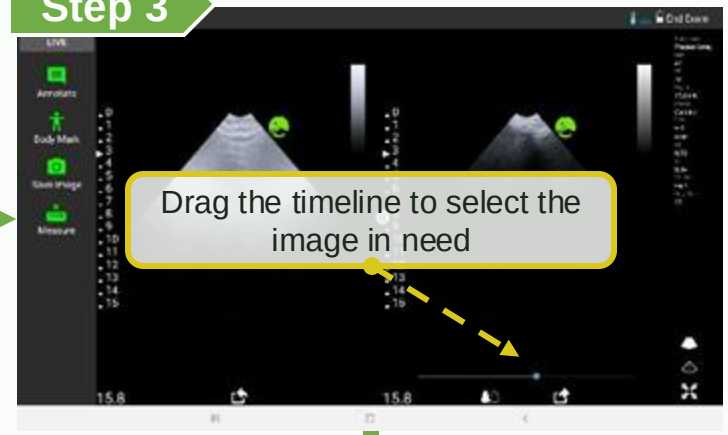
Step 1



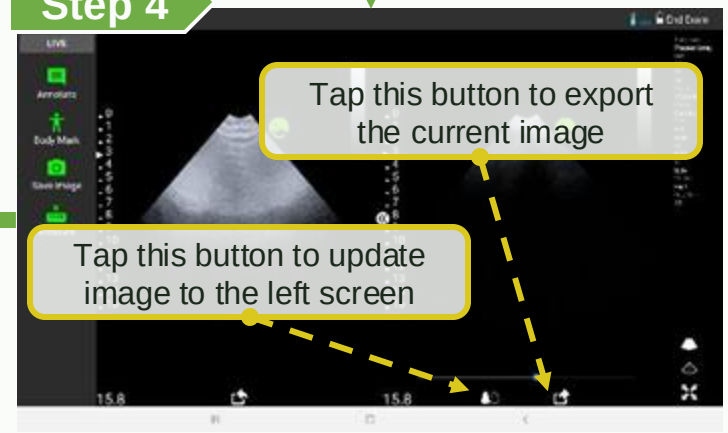
Step 2



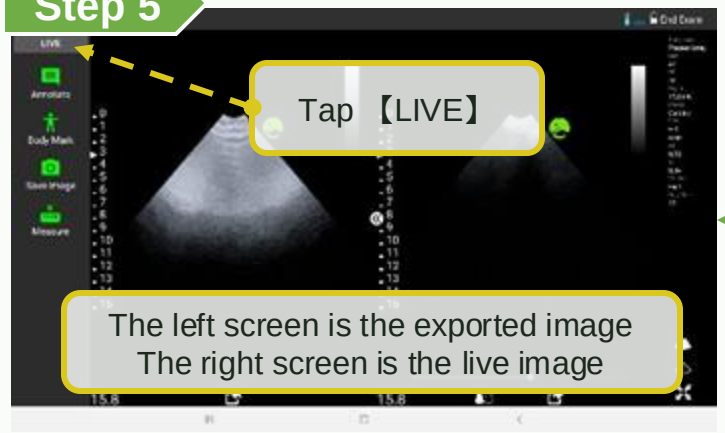
Step 3



Step 4



Step 5



The detail of importing the image, please refer to the P.40

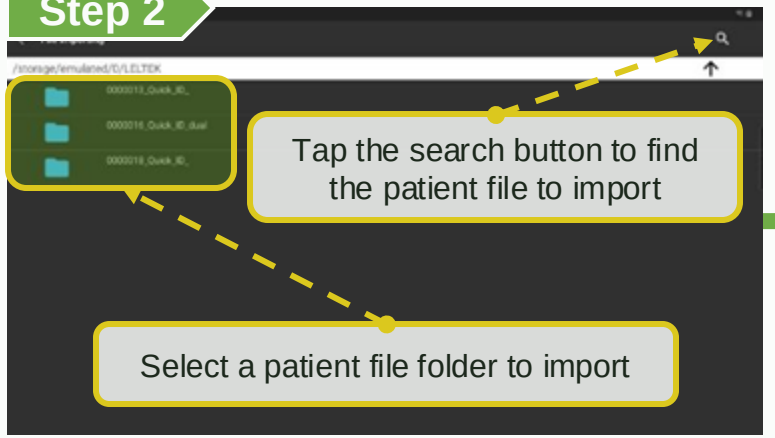
How to check the exported images, please refer to P.41

Dual Screen - Import old image

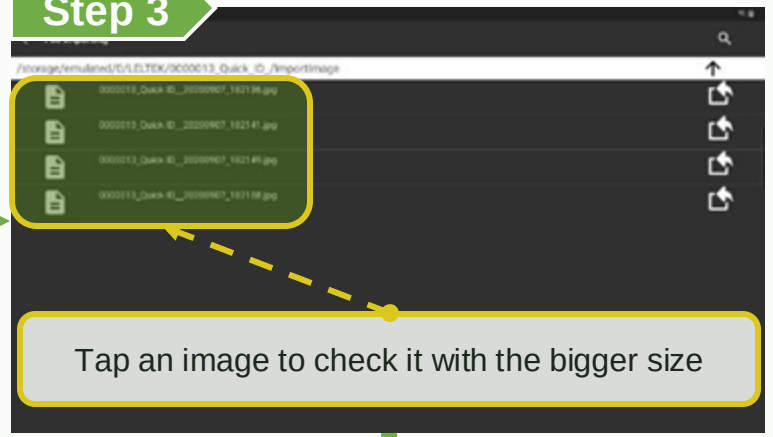
E.I. MEDICAL IMAGING

Step 1

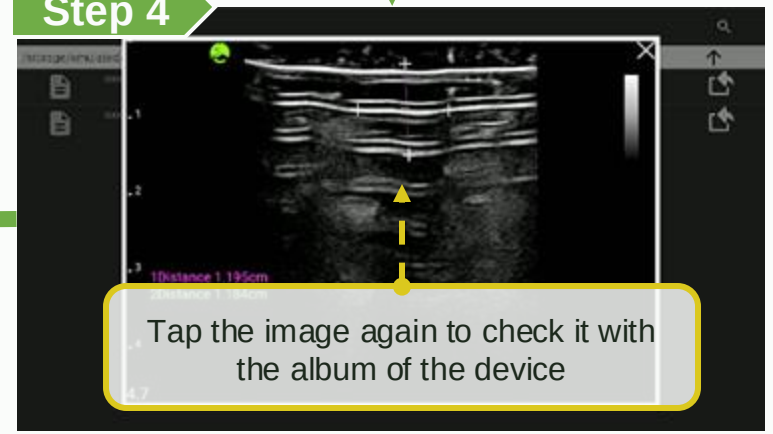
Step 2



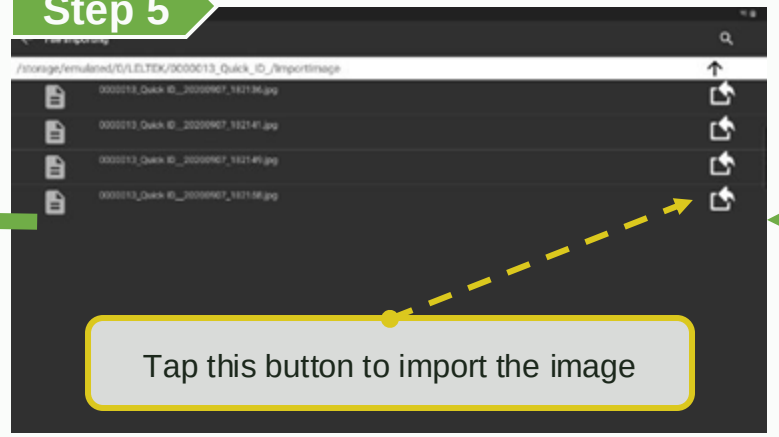
Step 3



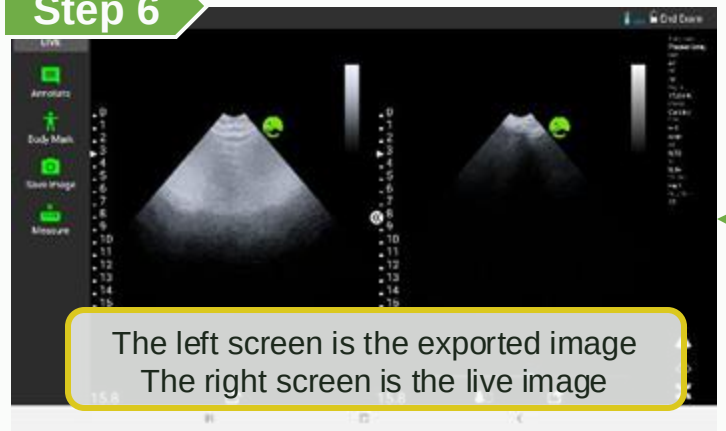
Step 4



Step 5



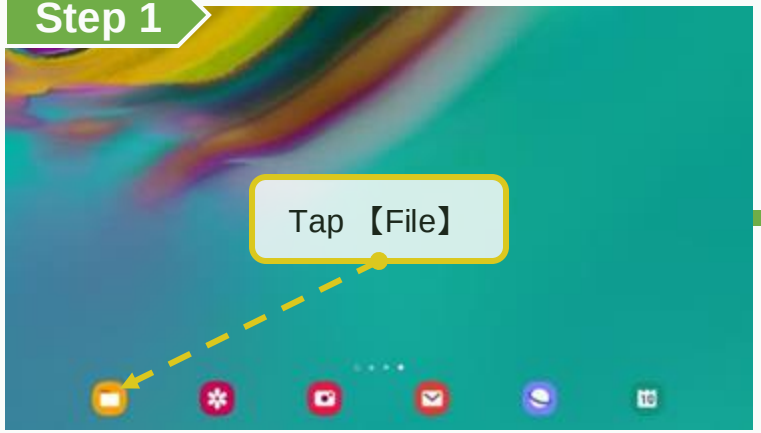
Step 6



Dual Screen - Check image exported

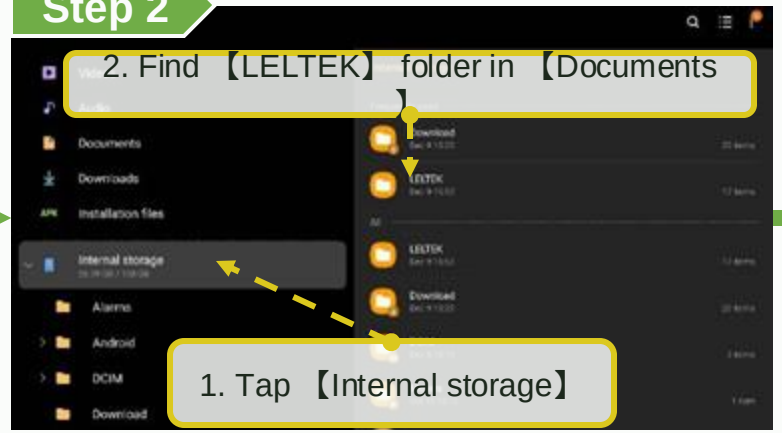
E.I. MEDICAL IMAGING

Step 1

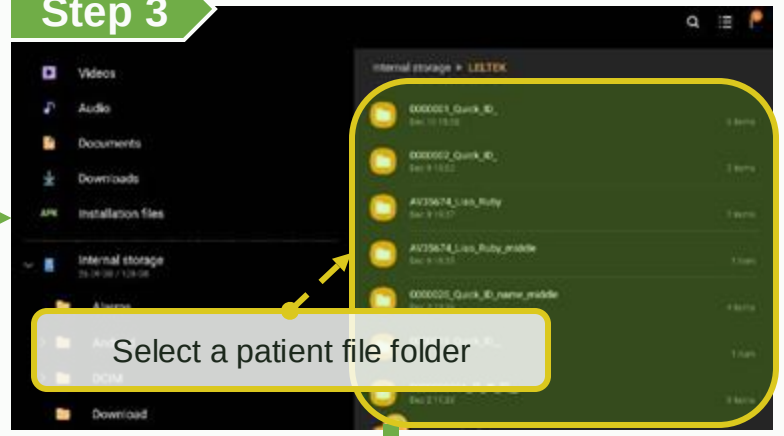


The folder where files are placed in each smart device is different, please refer to the device manual

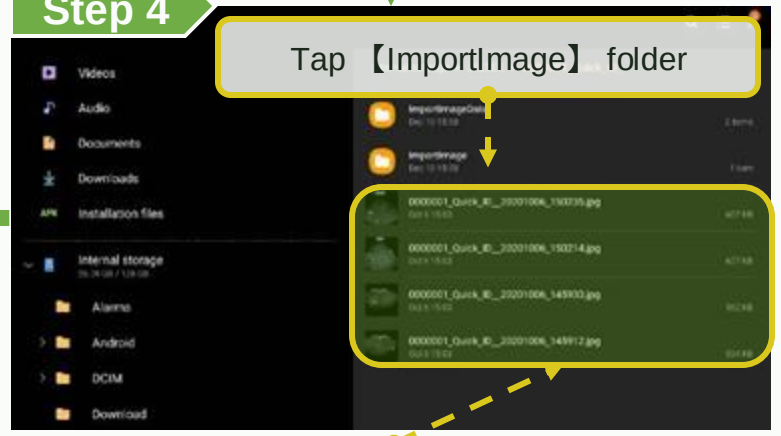
Step 2



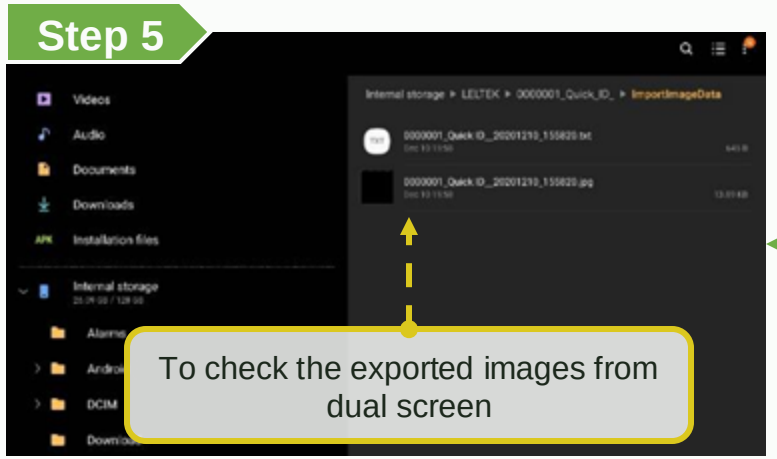
Step 3



Step 4



Step 5

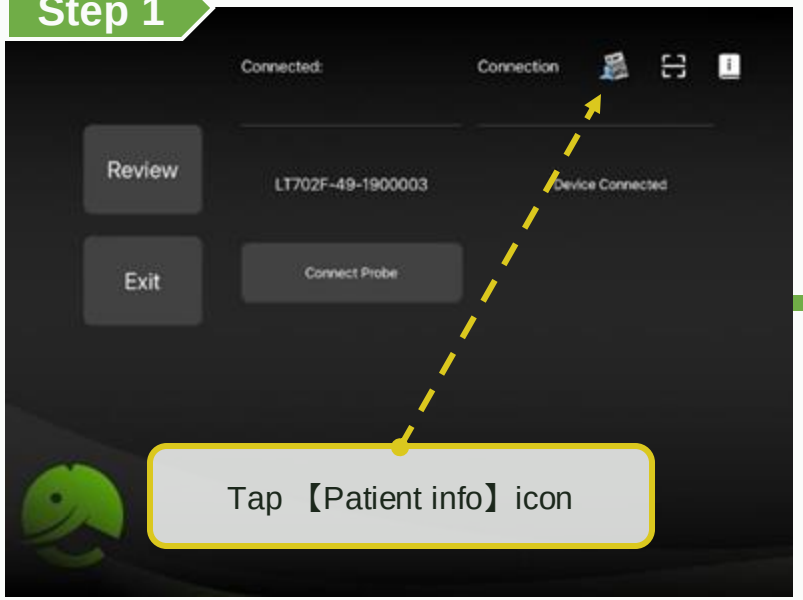


【 DICOM support 】

DICOM support - Download worklist (1/2)

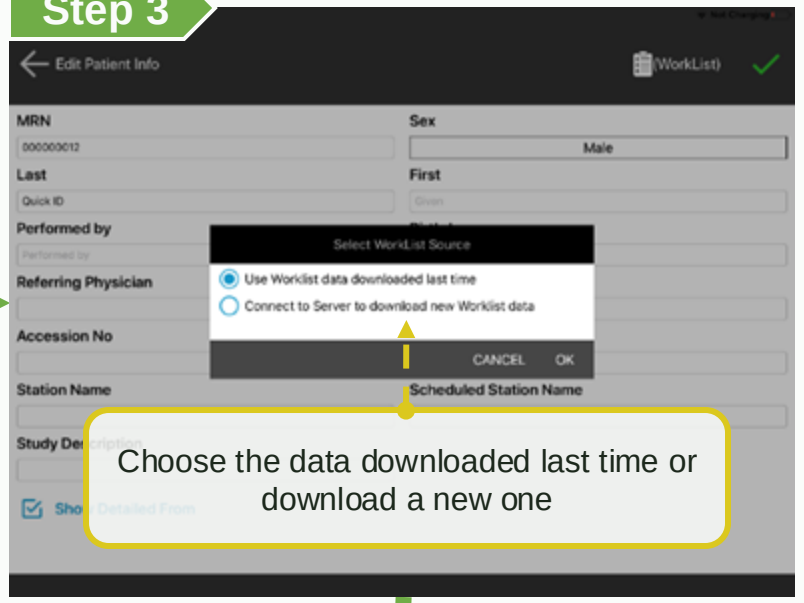
E.I. MEDICAL IMAGING

Step 1

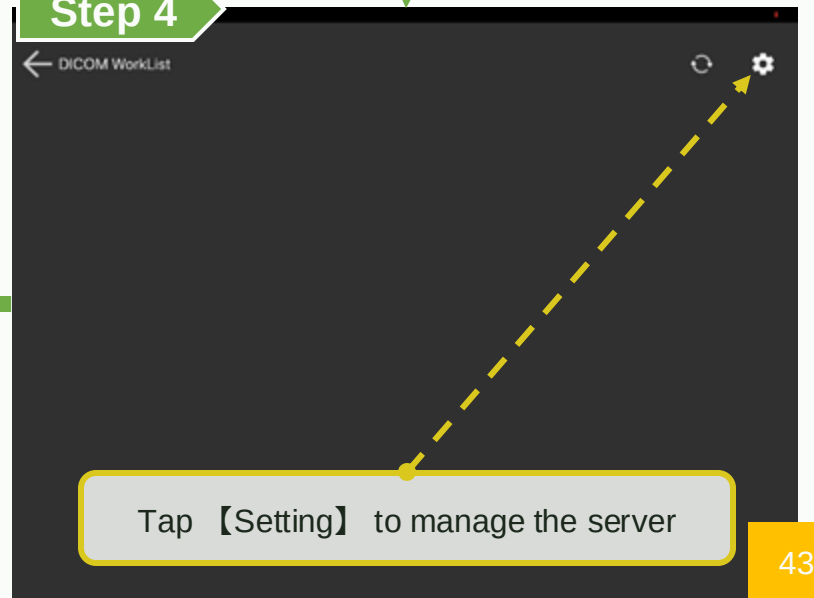


Step 2

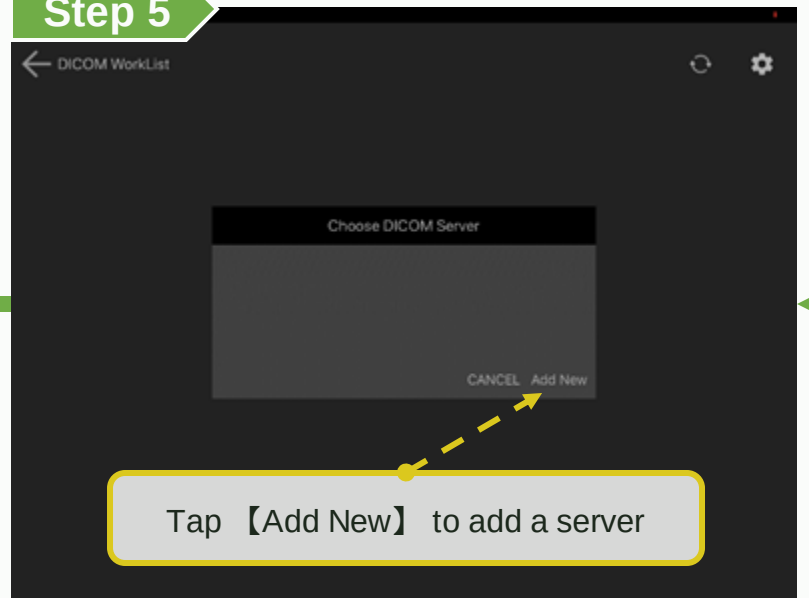
Step 3



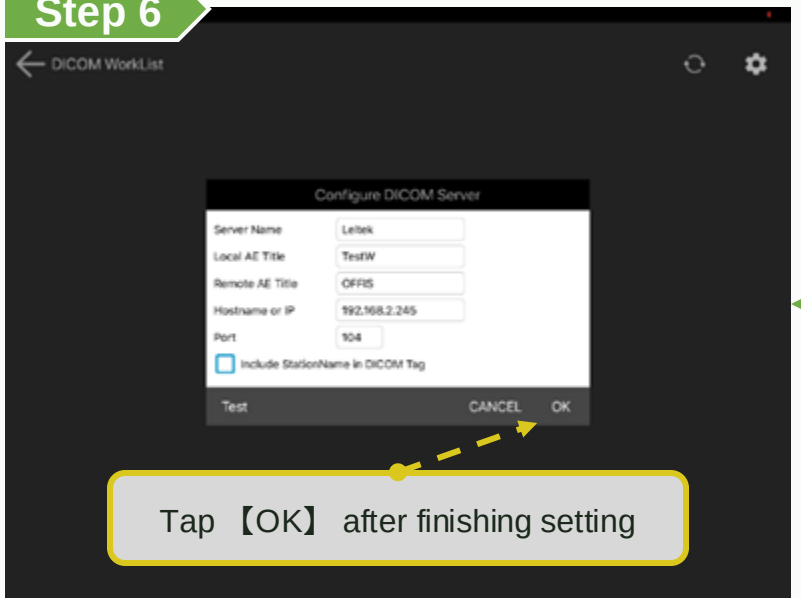
Step 4



Step 5



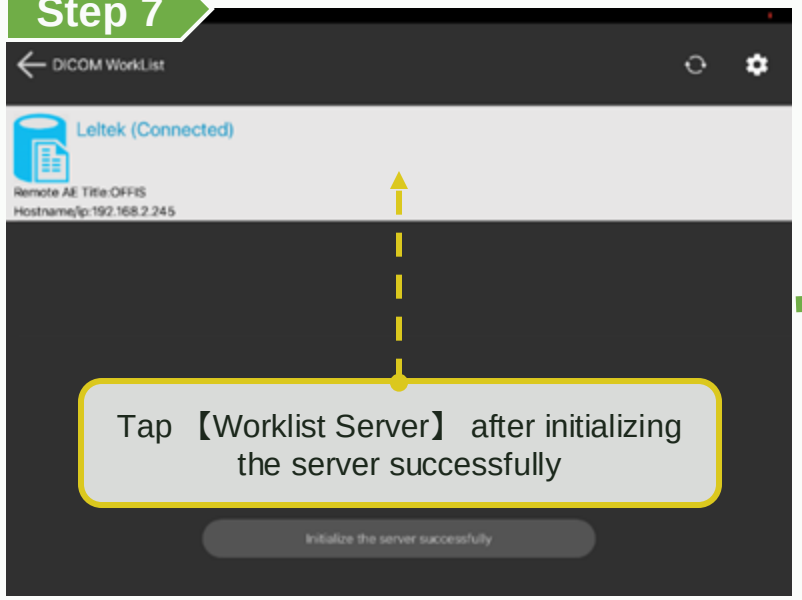
Step 6



DICOM support - Download worklist (2/2)

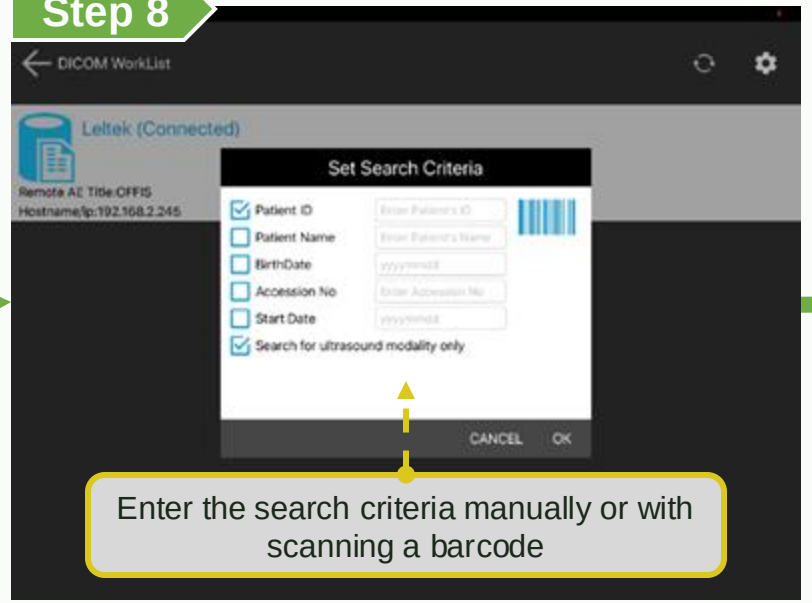
E.I. MEDICAL IMAGING

Step 7



Tap 【Worklist Server】 after initializing the server successfully

Step 8

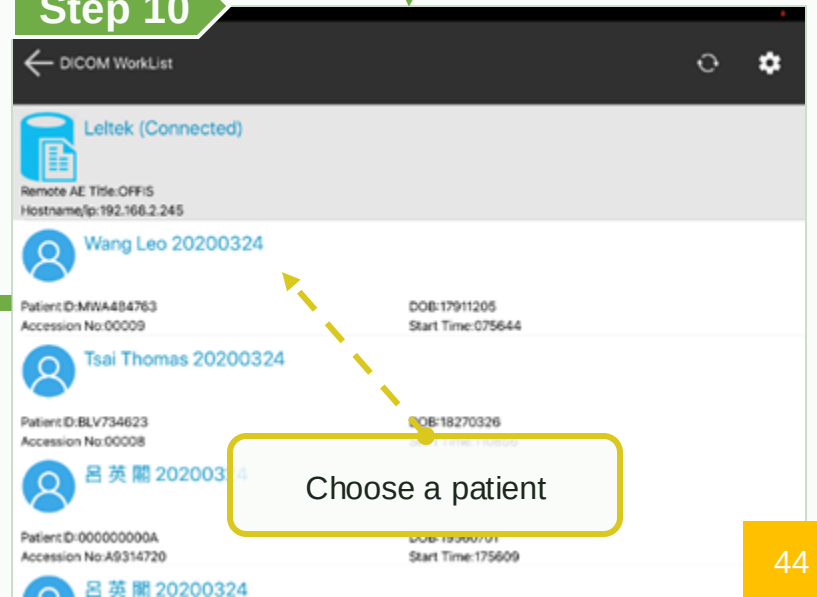


Enter the search criteria manually or with scanning a barcode

Step 9

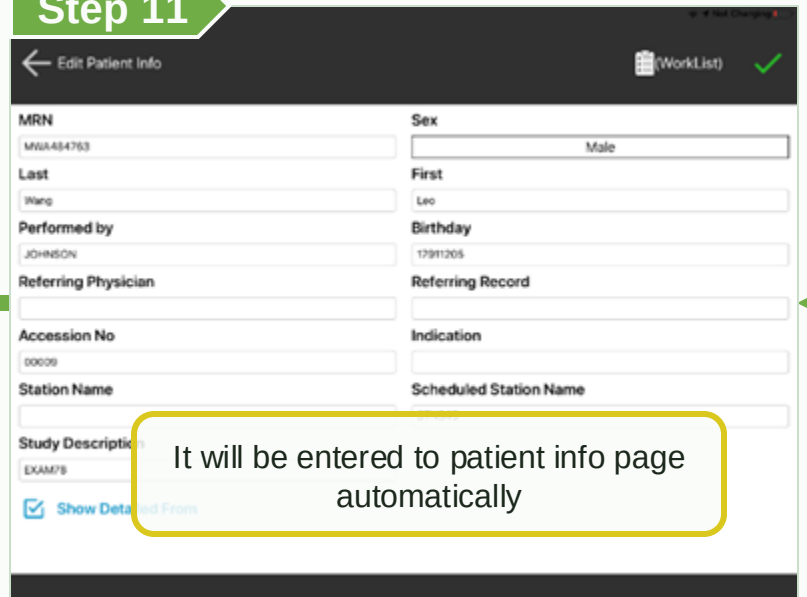
Scan the barcode

Step 10



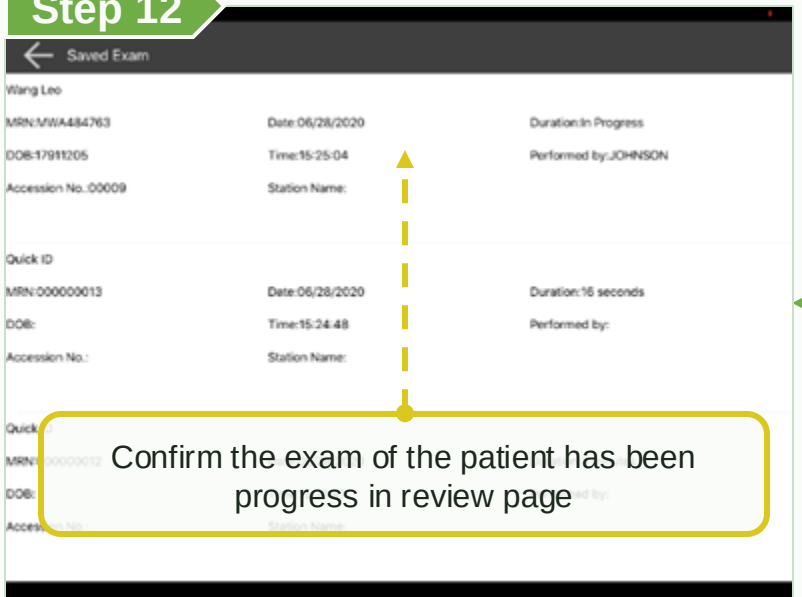
Choose a patient

Step 11



It will be entered to patient info page automatically

Step 12



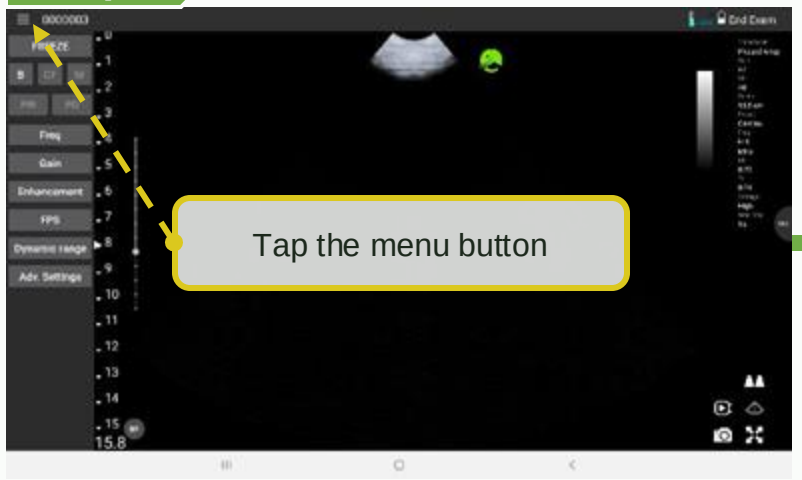
Confirm the exam of the patient has been progress in review page

DICOM support - Make multi-frame DICOM

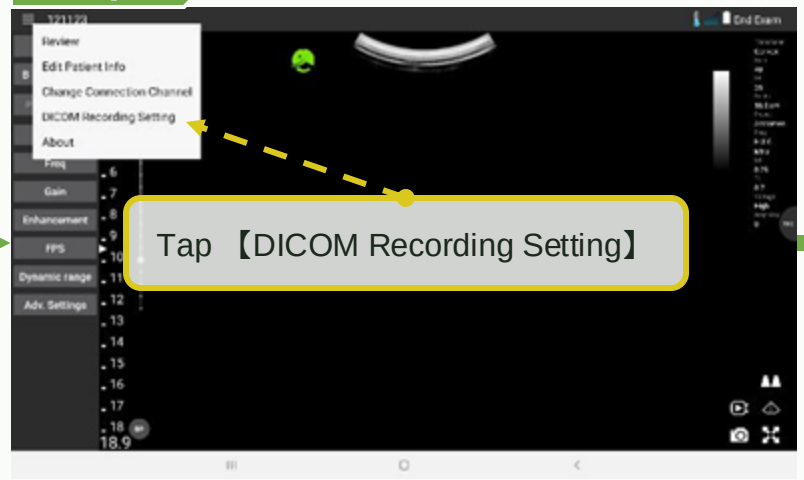
*Optional function

E.I. MEDICAL IMAGING

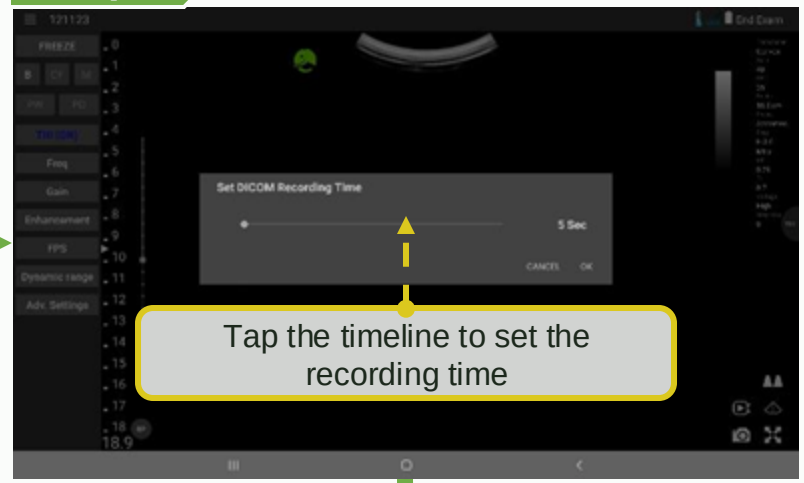
Step 1



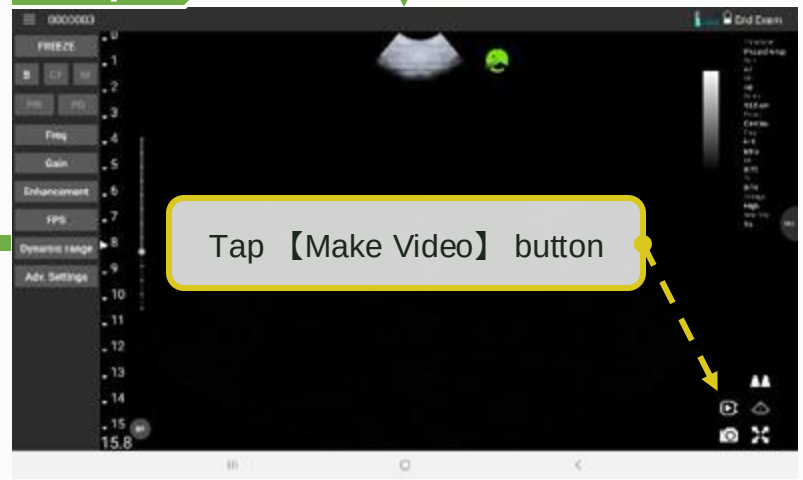
Step 2



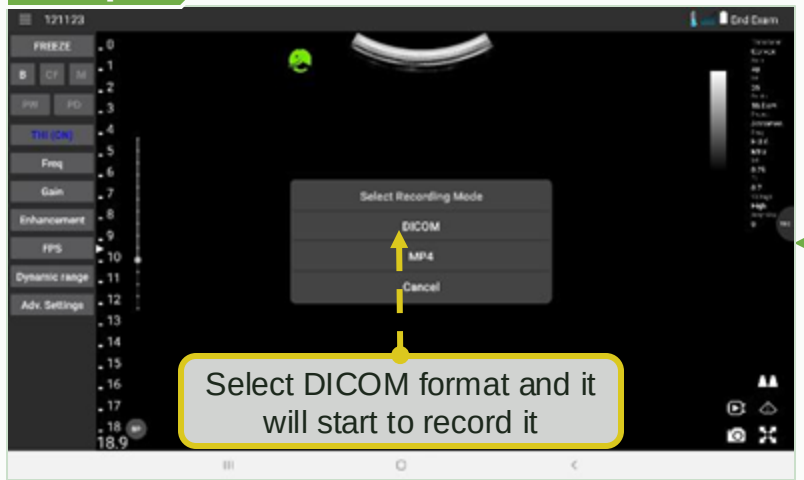
Step 3



Step 4



Step 5

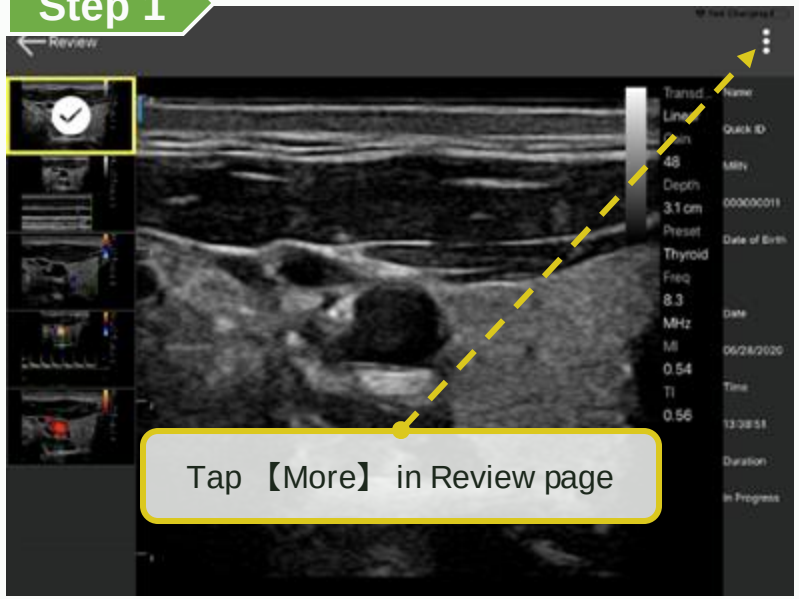


DICOM support - Upload DICOM file (1/2)

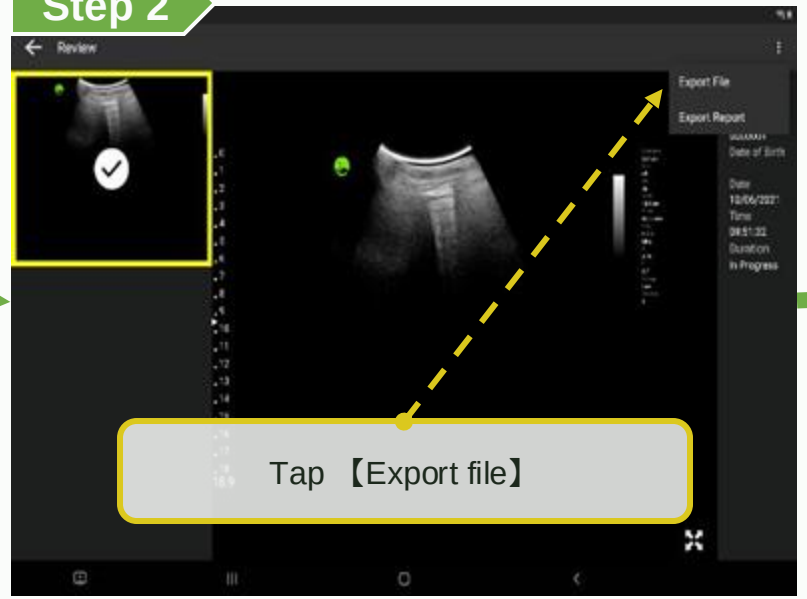
*Optional function

E.I. MEDICAL IMAGING

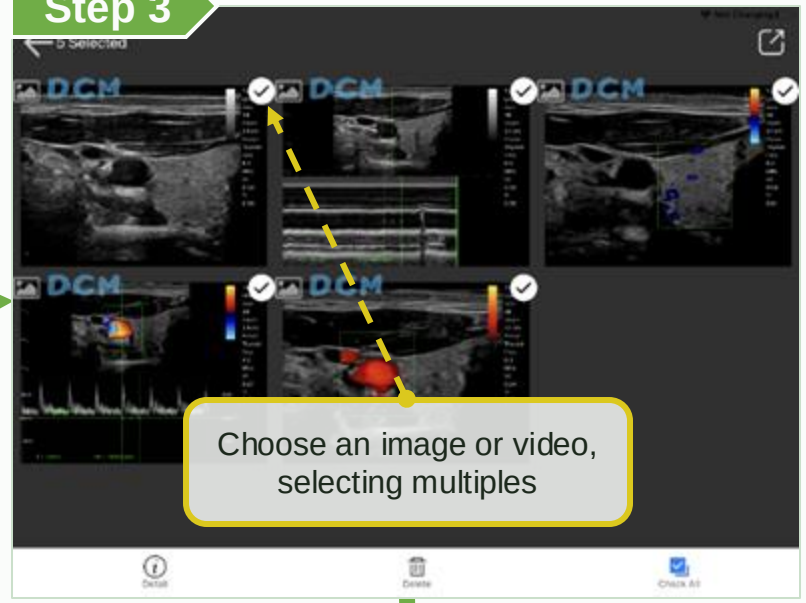
Step 1



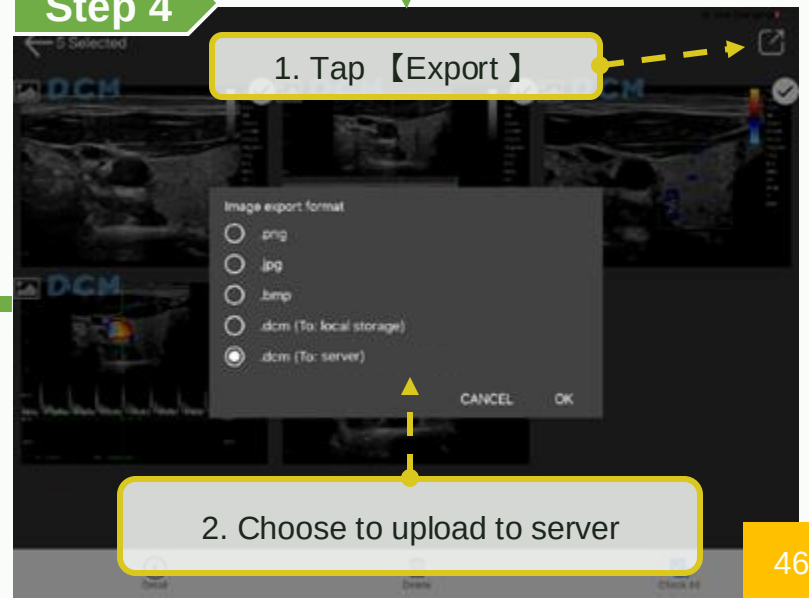
Step 2



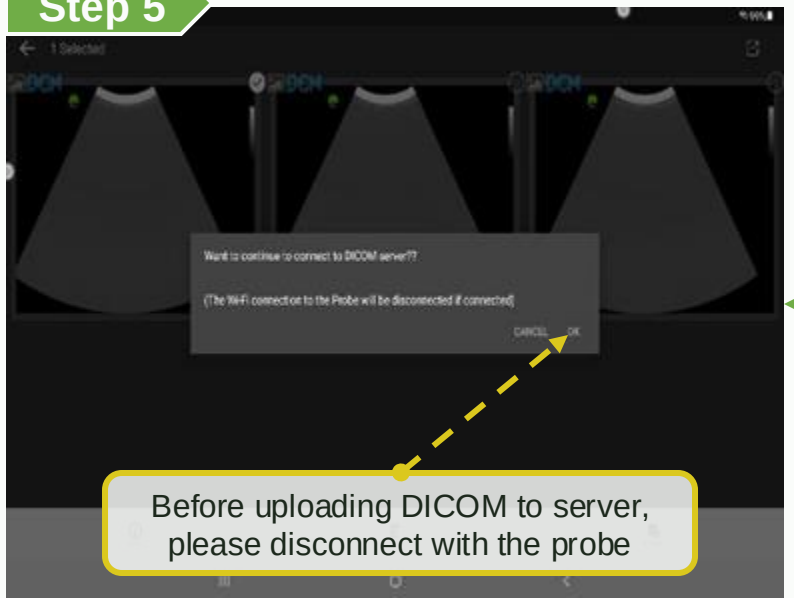
Step 3



Step 4



Step 5

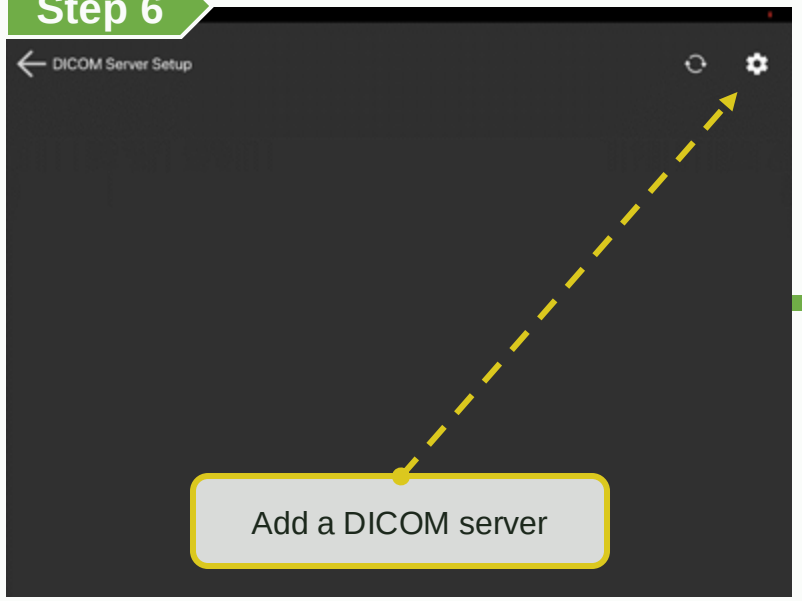


DICOM support - Upload DICOM file (2/2)

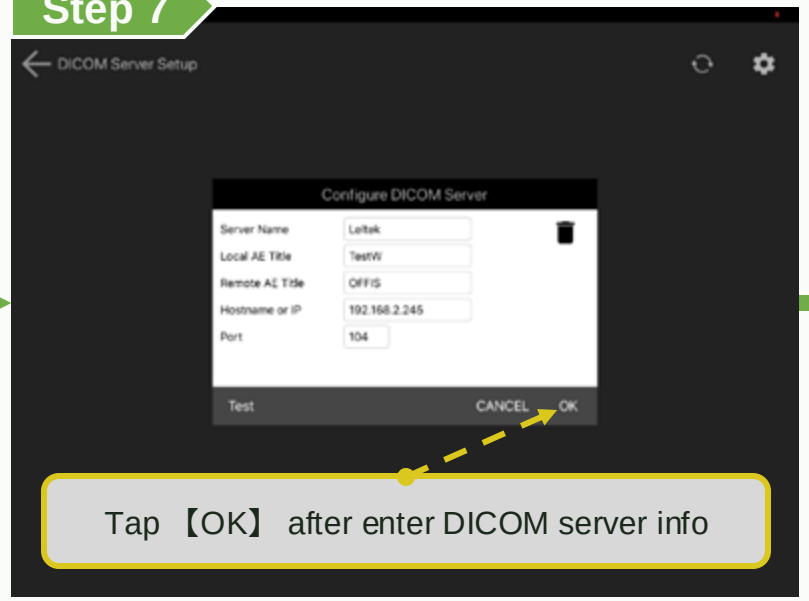
*Optional function

E.I. MEDICAL IMAGING

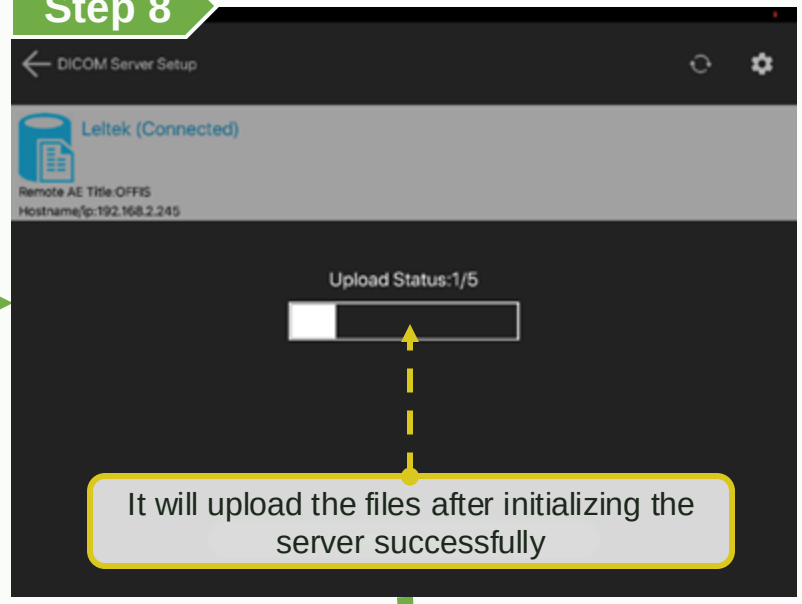
Step 6



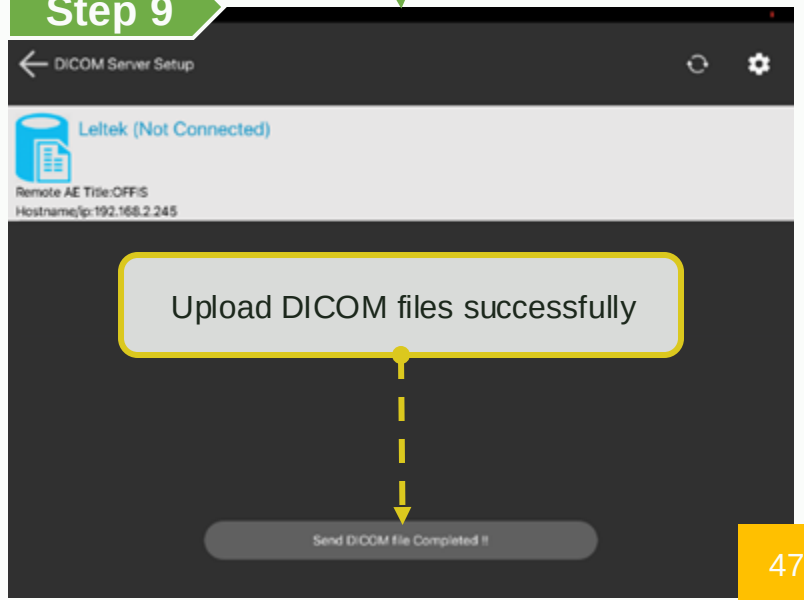
Step 7



Step 8



Step 9

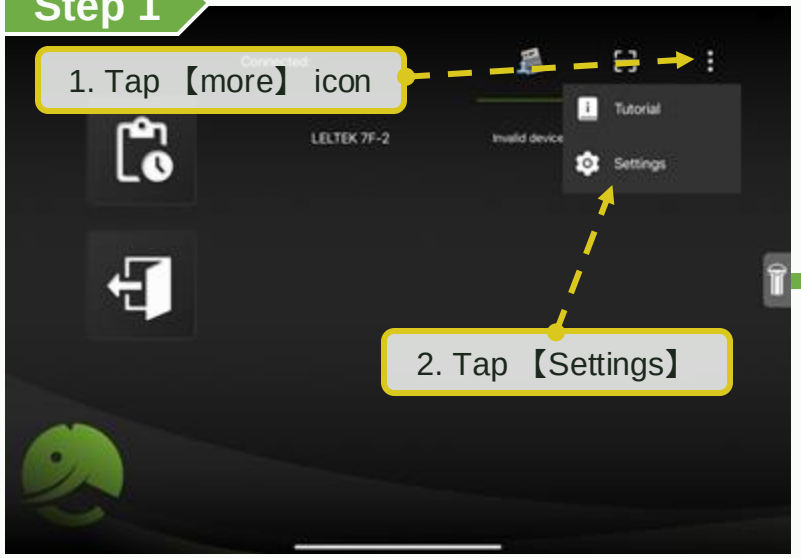


【 Run App on MAC M-series device】

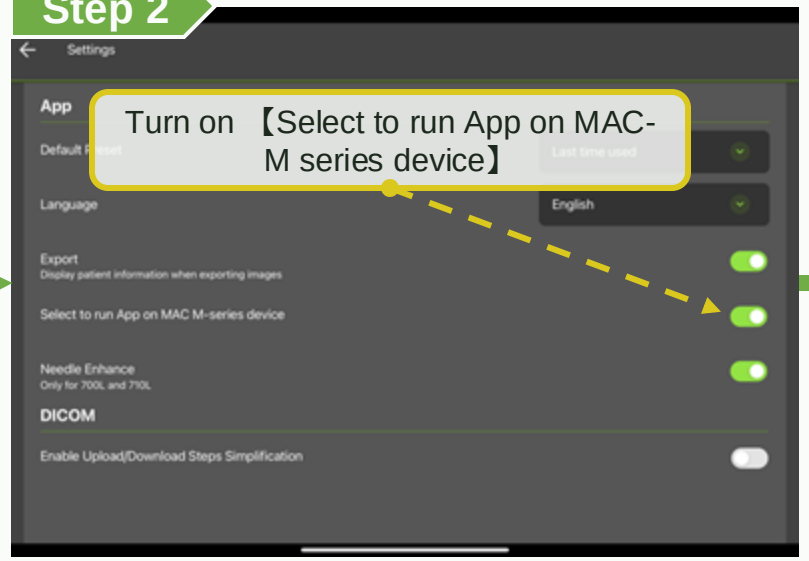
Run App on MAC M-series device

E.I. MEDICAL IMAGING

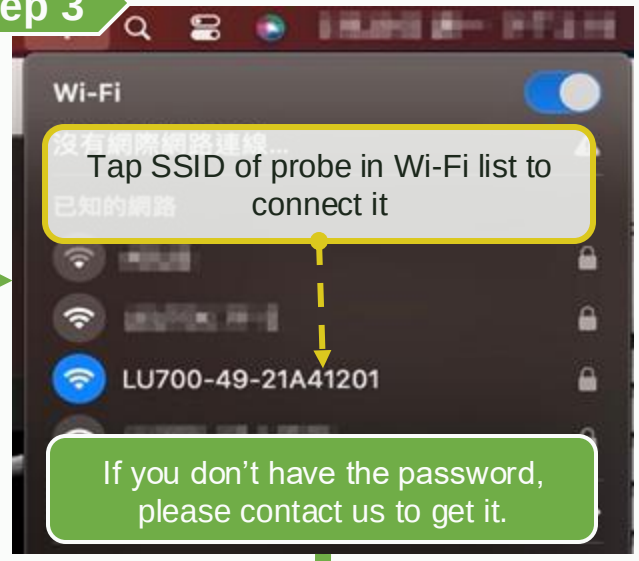
Step 1



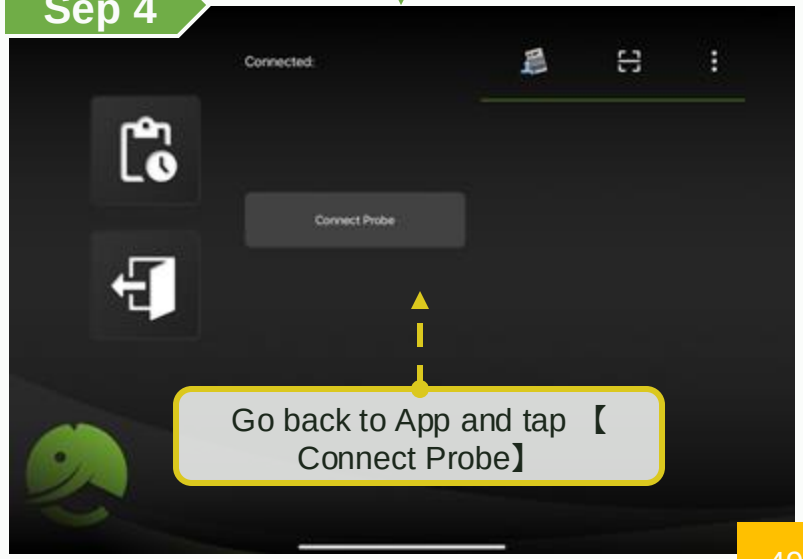
Step 2



Step 3



Sep 4

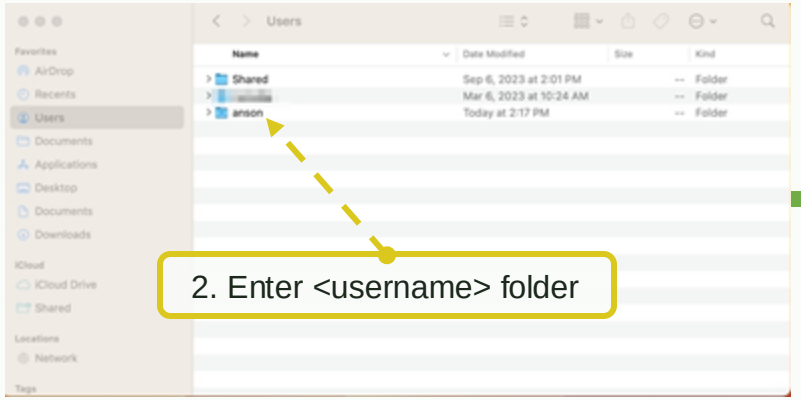


Find the images exported on MAC M-series device

E.I. MEDICAL IMAGING

Step 1

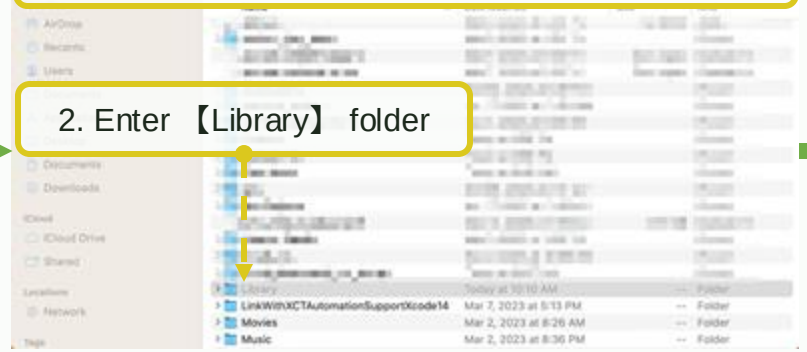
1. Turn on 【Finder】



2. Enter <username> folder

Step 2

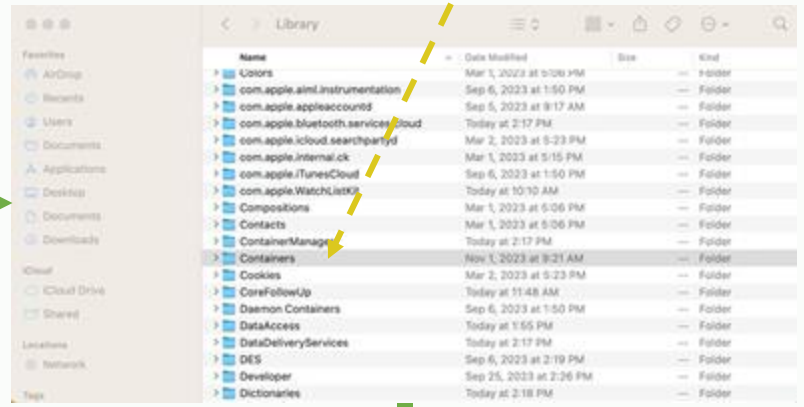
1. Press command + shift + . to show hidden files.



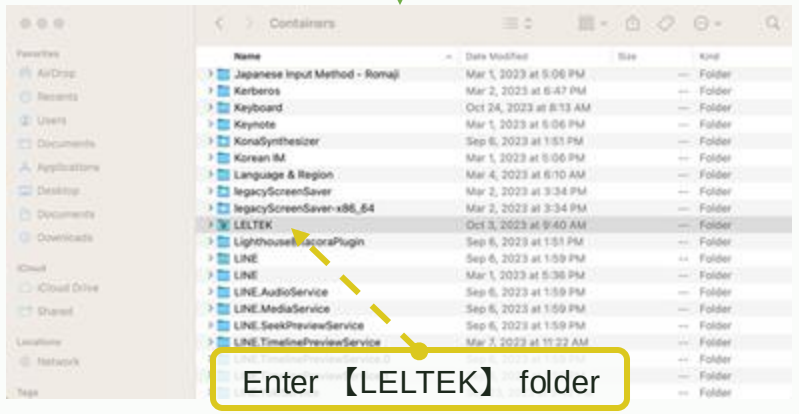
2. Enter 【Library】 folder

Step 3

Enter 【Containers】 folder

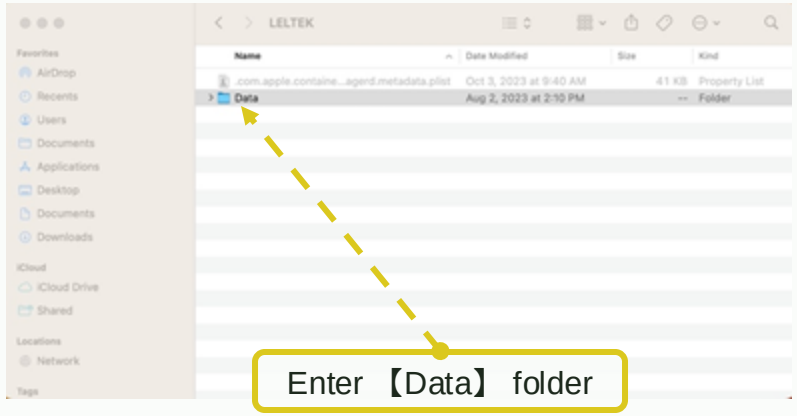


Step 4



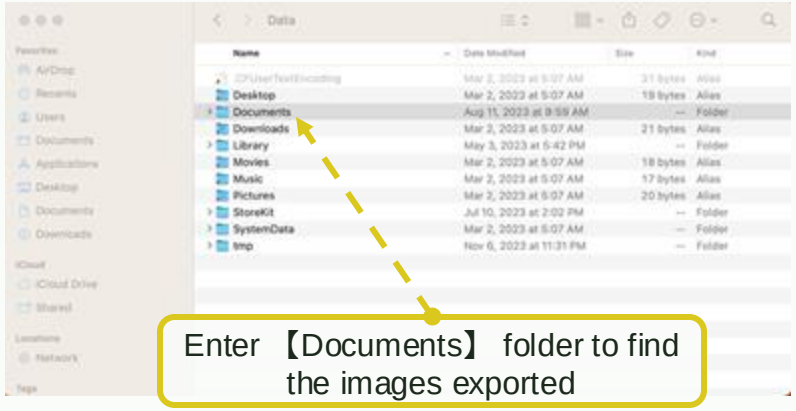
Enter 【LELTEK】 folder

Step 5



Enter 【Data】 folder

Step 6



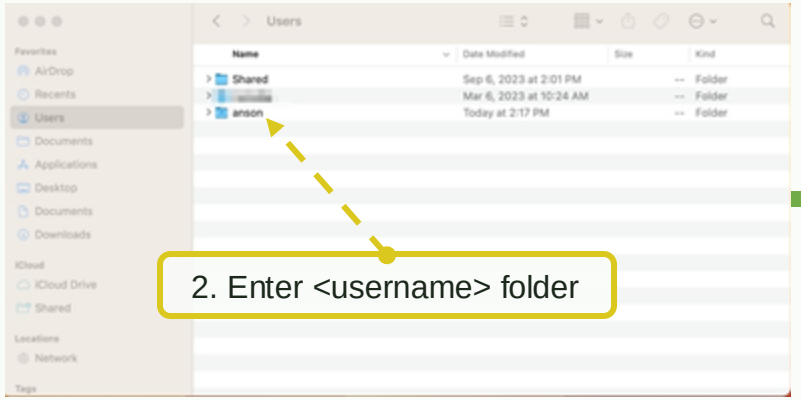
Enter 【Documents】 folder to find the images exported

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

E.I. MEDICAL IMAGING

Step 1

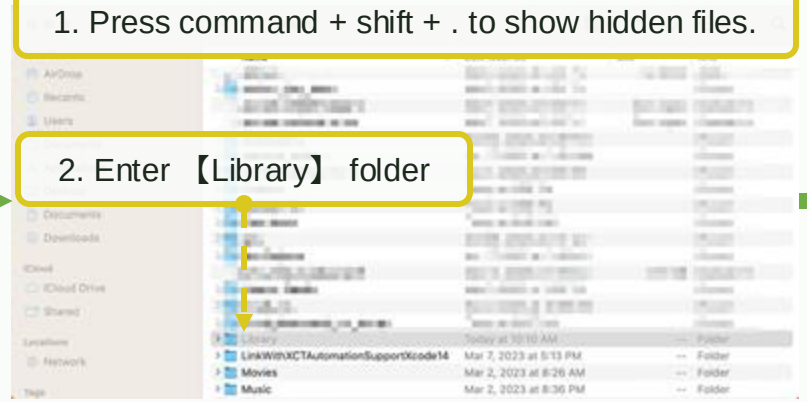
1. Turn on 【Finder】



Step 2

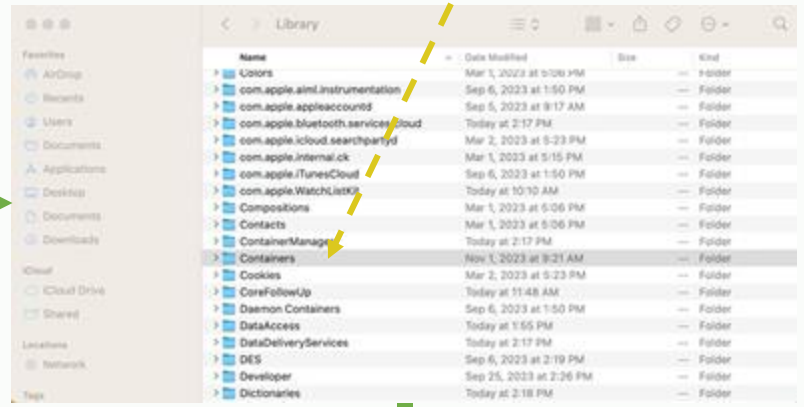
1. Press command + shift + . to show hidden files.

2. Enter 【Library】 folder

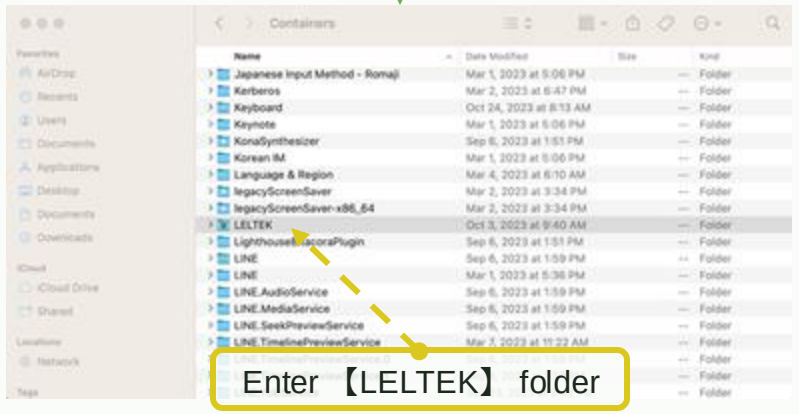


Step 3

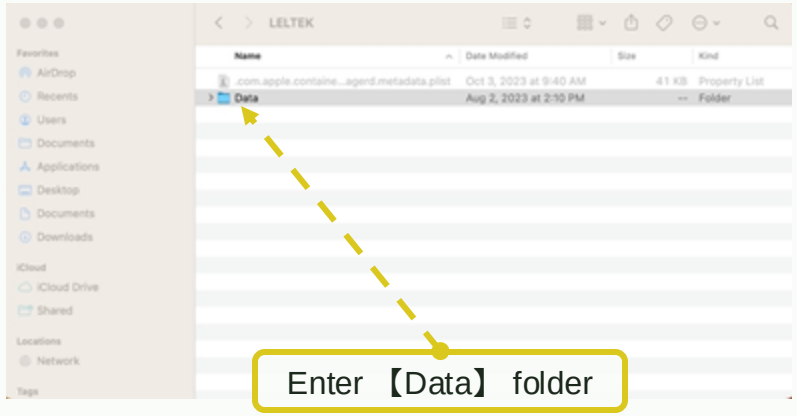
Enter 【Containers】 folder



Step 4



Step 5



Step 6