

ASUS Portable Ultrasound Solution

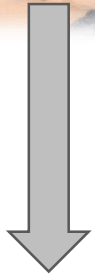
DEMO KIT



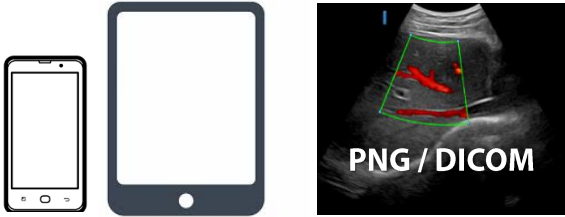
User Scenario and Data Flow



WiFi



Smart Phone or Pad



WiFi



Data Management

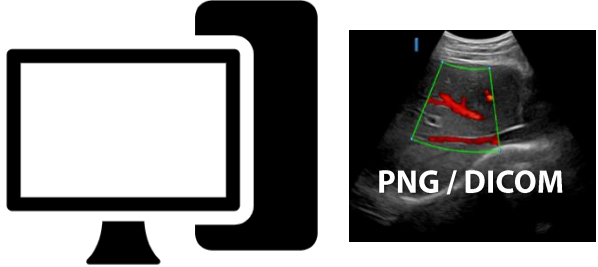
Post-hoc
view/edit/save images



Data Sharing

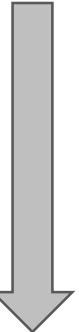
For telecare/ telehealth

Internet



PC Software




Internet



Web/ Cloud

(SSO & MDM Integration)

Guide – General Functions

- **【APP Download】**   
- **【Boot up and connection】** - Connect the probe with device QRcode
- **【Scan】** - B, C, M, PW and PD modes
- **【Annotate, measure and save】** - Annotation, measuring length and area, saving images and videos
- **【DICOM support】** - Download worklist and upload DICOM file

Boot up and connection – Turn on/off the probe

Step 1

Turn on/off: Pressing the power button for 3 seconds

Step 2



Lights out
<Power OFF>

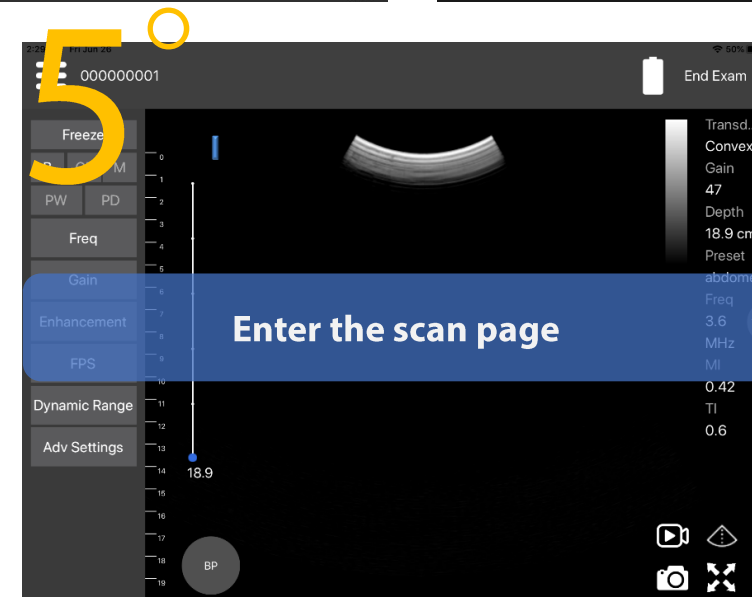
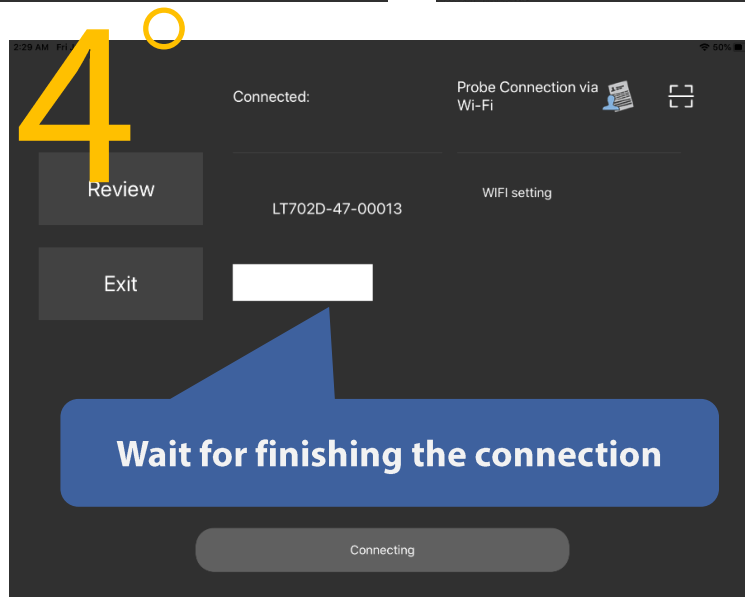
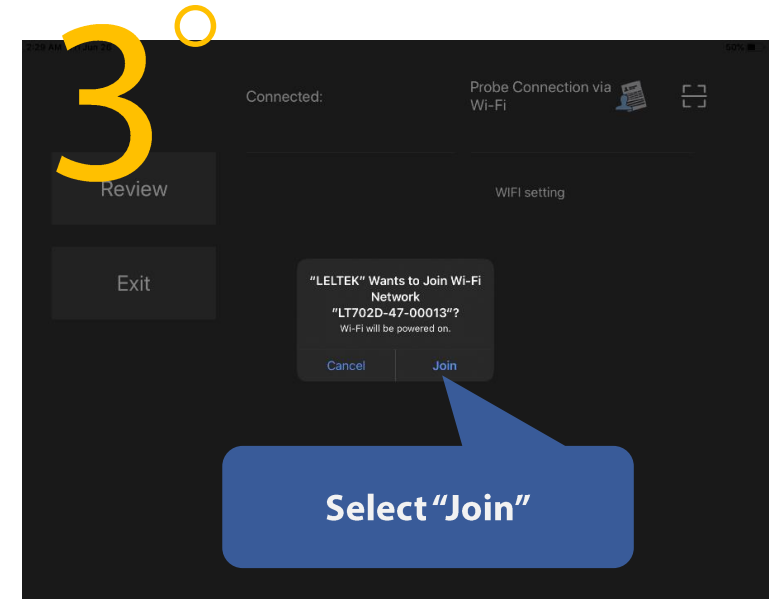
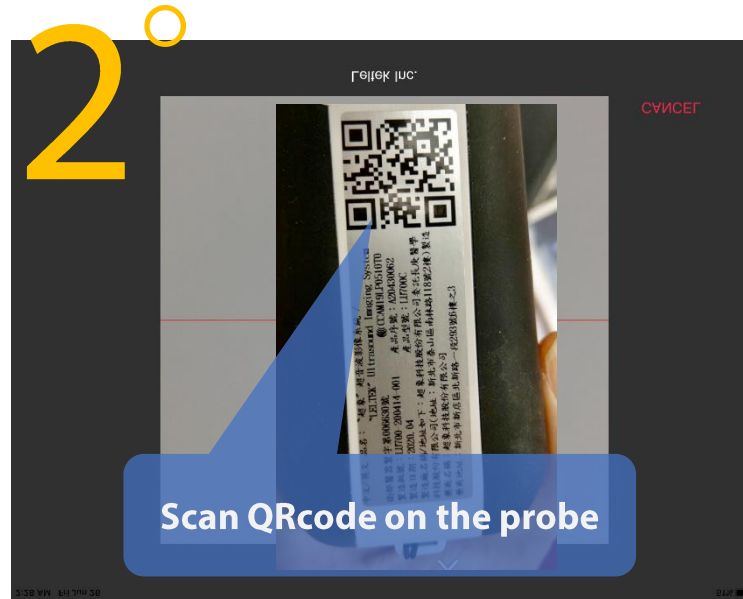
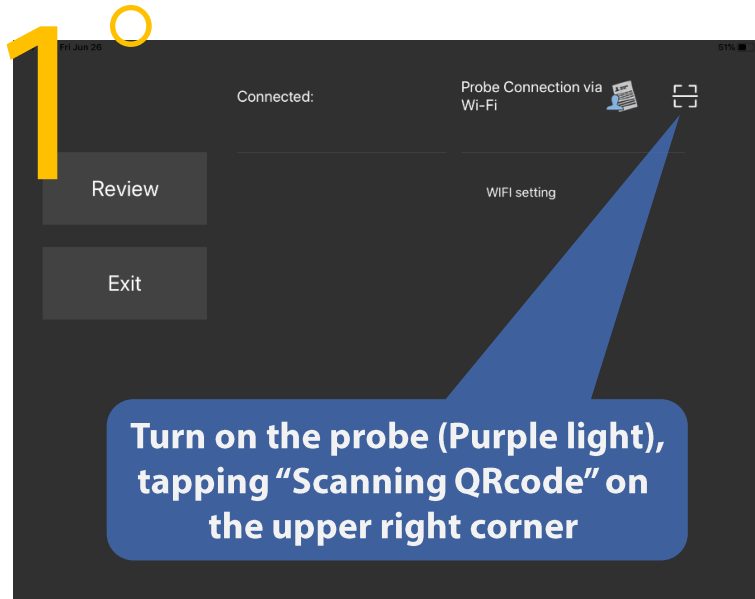


Purple light
<Power ON>
Not connect



White light
<Power ON>
Connected

Boot up and connection – Connection



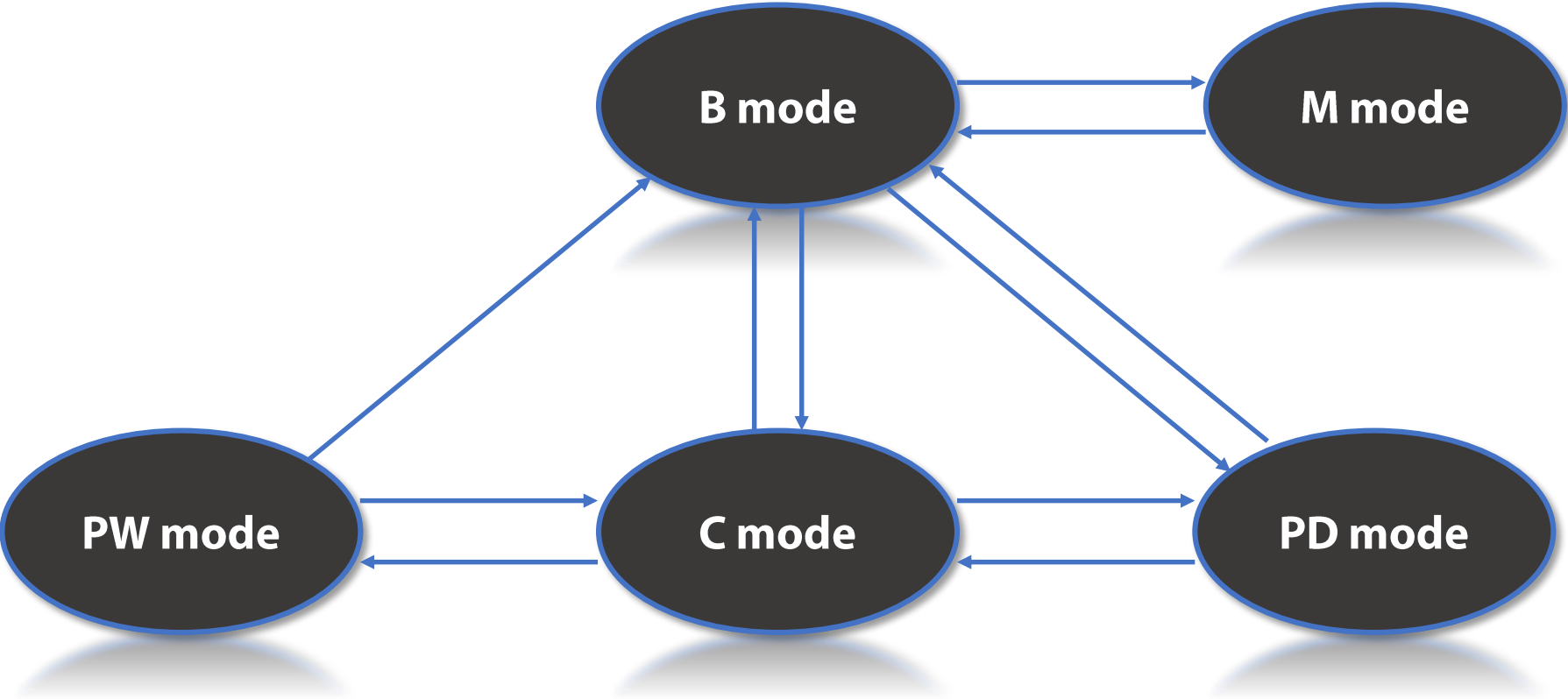
Scan - Interface

The image shows a screenshot of an ultrasound machine's control interface. The main display area shows a curved B-mode scan. The interface is annotated with several callouts:

- Review, export:** A menu icon (three horizontal lines) in the top left corner.
- 000000001:** A patient ID or scan number displayed next to the menu icon.
- Battery info:** A battery icon in the top right corner.
- End exam:** A button labeled "End Exam" in the top right corner.
- Freeze:** A button labeled "Freeze" in the top left of the control panel.
- Select Mode:** A panel containing buttons for "B", "CF", "M", "PW", and "PD".
- Adjust parameter:** A vertical stack of buttons for "Freq", "Gain", "Enhancement", "FPS", "Dynamic Range", and "Adv Settings".
- Adjust depth:** A vertical slider with a blue dot and the value "18.9" at the bottom.
- Select preset:** A circular button labeled "BP" at the bottom left.
- Scan Info:** A panel on the right side listing parameters: "Transd...", "Convex", "Gain 47", "Depth 18.9 cm", "Preset abdomen", "Freq 3.6 MHz", "MI 0.42", and "TI 0.6".
- Adjust TGC:** A small circular control labeled "TGC" next to the "Freq" parameter.
- Save image and video, center line, full screen:** A panel at the bottom right containing icons for video recording, image capture, a center line icon, and a full screen icon.

Scan – The rule of switching between modes

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



*C modes, PD modes and PW modes are optional functions

Scan – B (Brightness) mode

1

Freeze

B CF M

PW PD

Transd... Convex Gain 47 Depth 18.9 cm Preset abdomen Freq 3.6 MHz MI 0.42 TI 0.6

The default is B mode

2

Freeze

B CF M

PW PD

Freq

Gain

Enhancement

FPS

Dynamic Range

Adv Settings

Transd... Convex Gain 47 Depth 18.9 cm Preset abdomen Freq 3.6 MHz MI 0.42 TI 0.6

Change the parameters to adjust the image

3

Live

Annotate

Body Mark

Save Image

M Measure

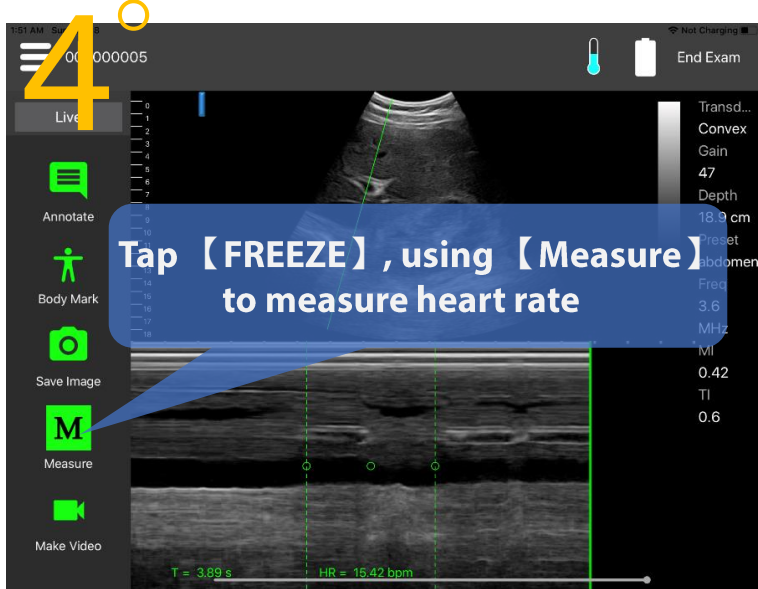
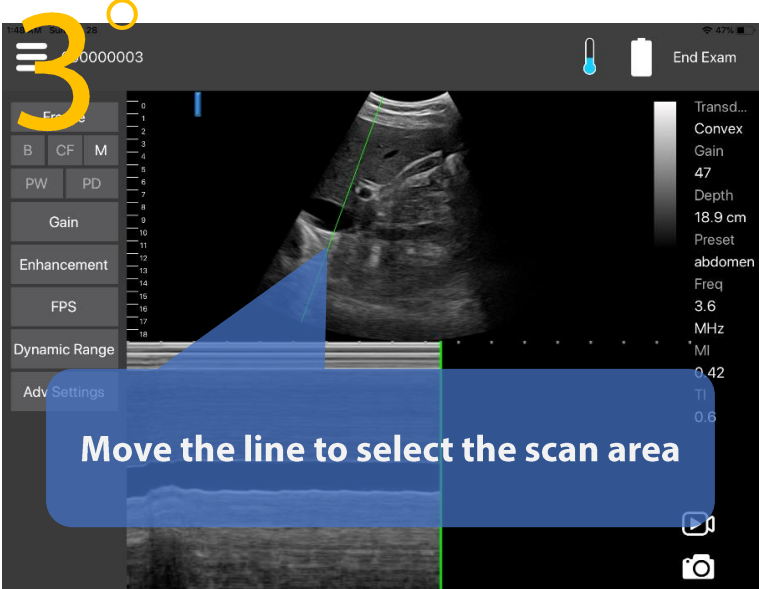
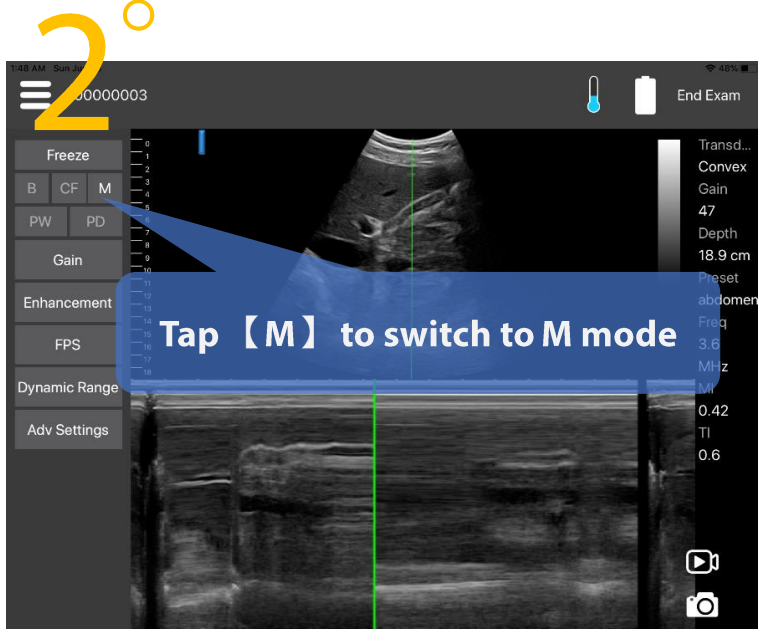
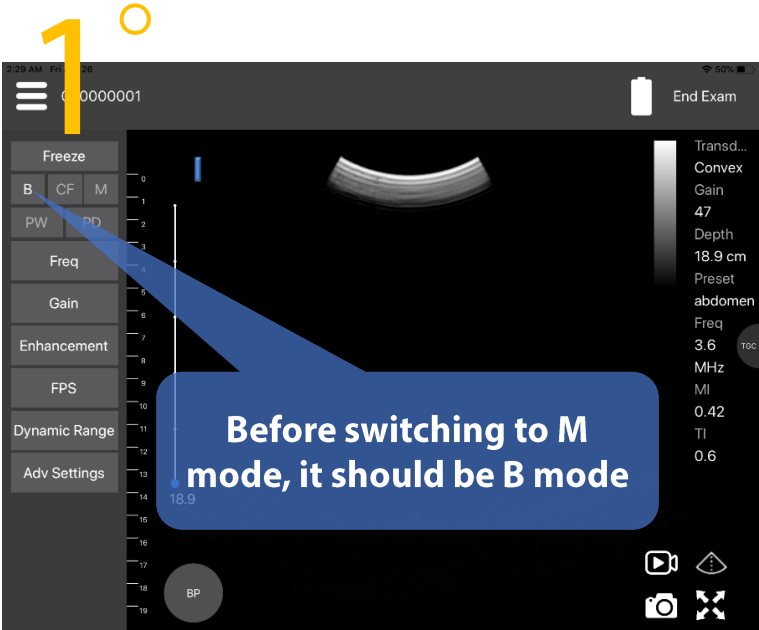
Make Video

Transd... Convex Gain 47 Depth 18.9 cm Preset abdomen Freq 3.6 MHz MI 0.42 TI 0.6

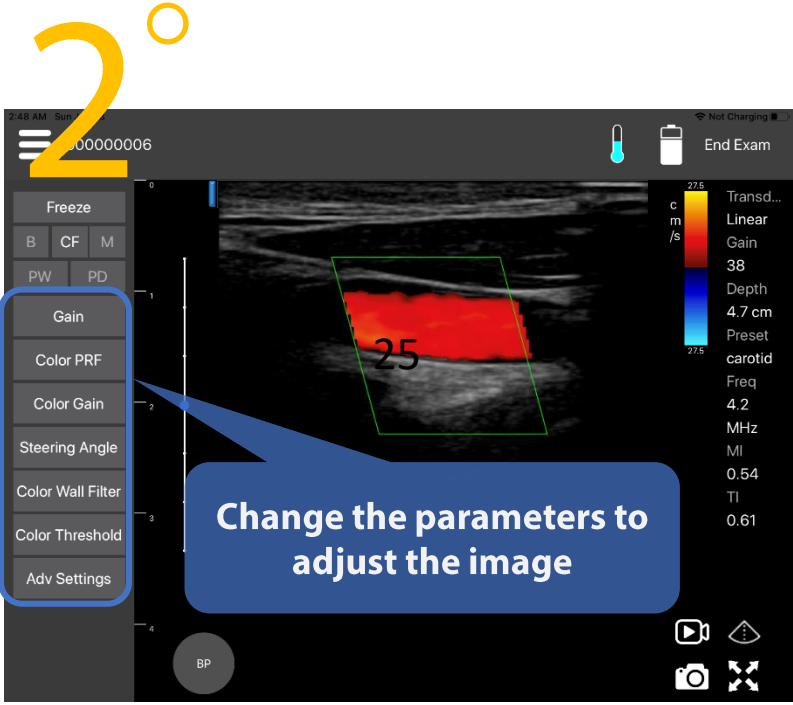
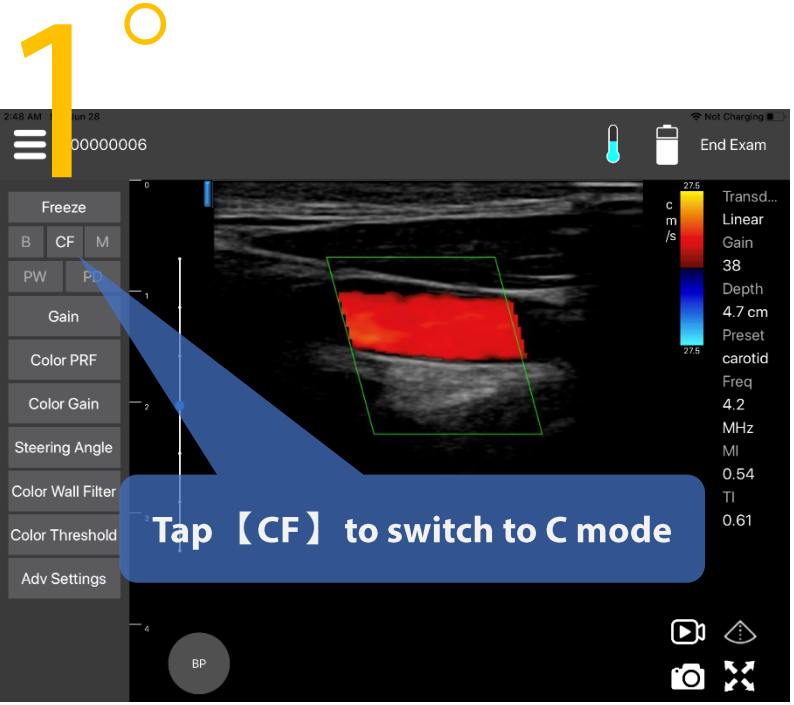
Tap [FREEZE] to stop scan

Drag the bar to review the history images

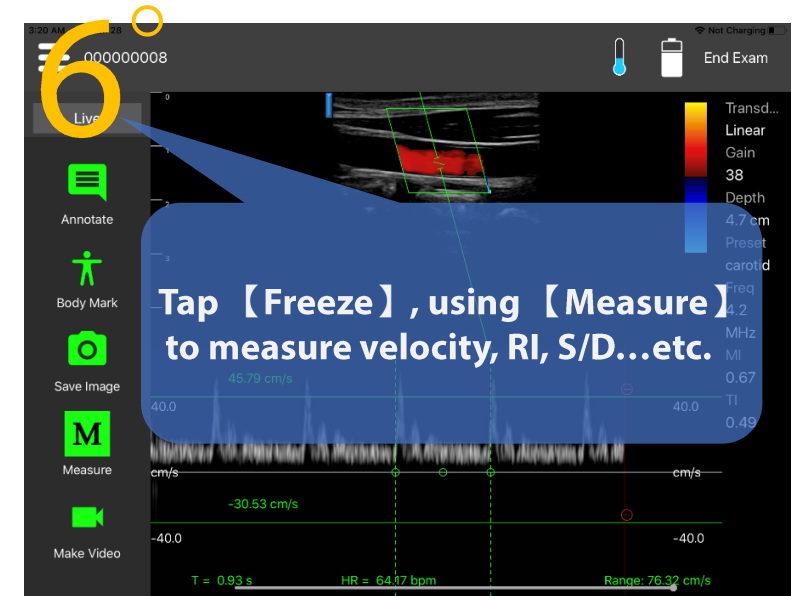
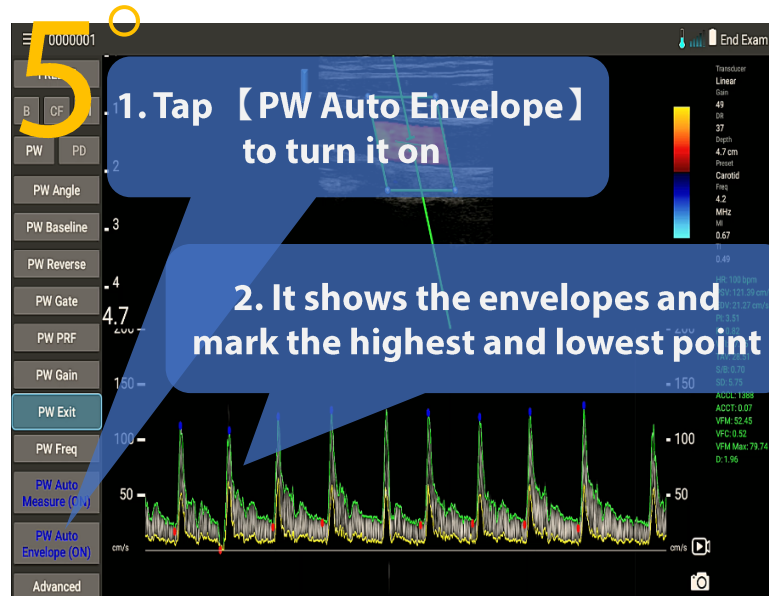
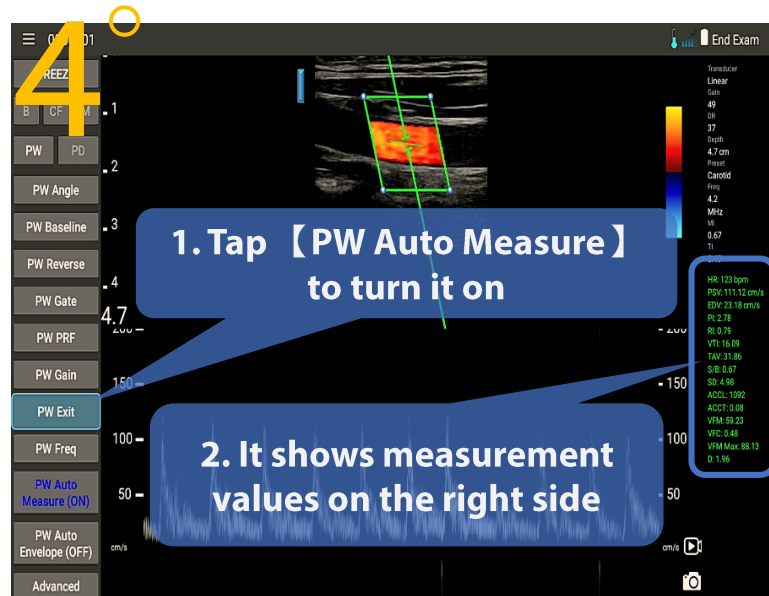
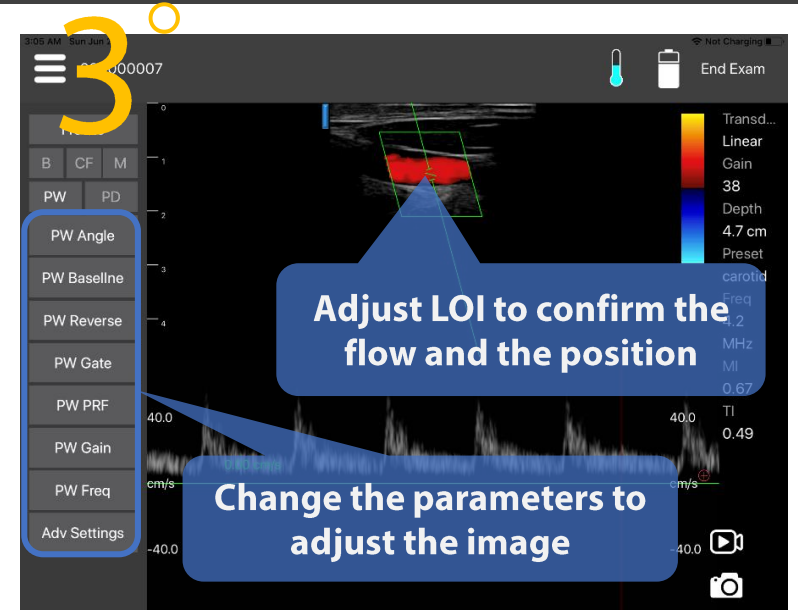
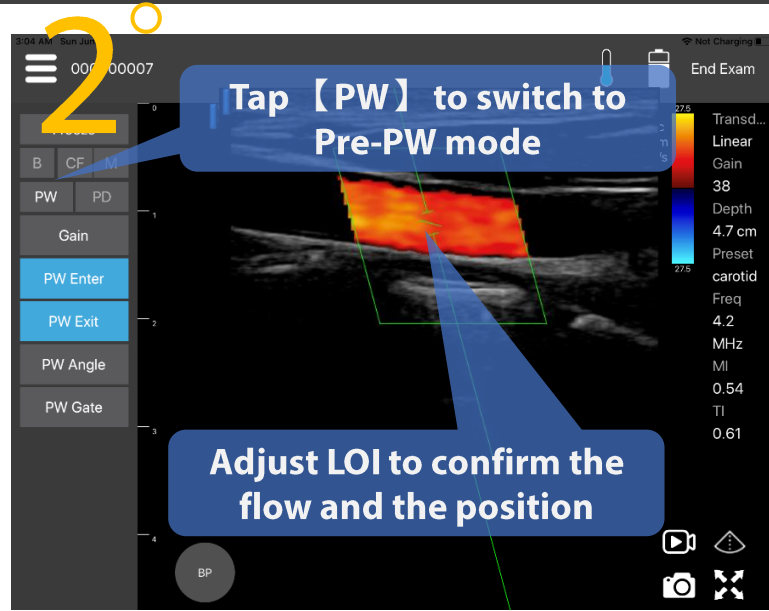
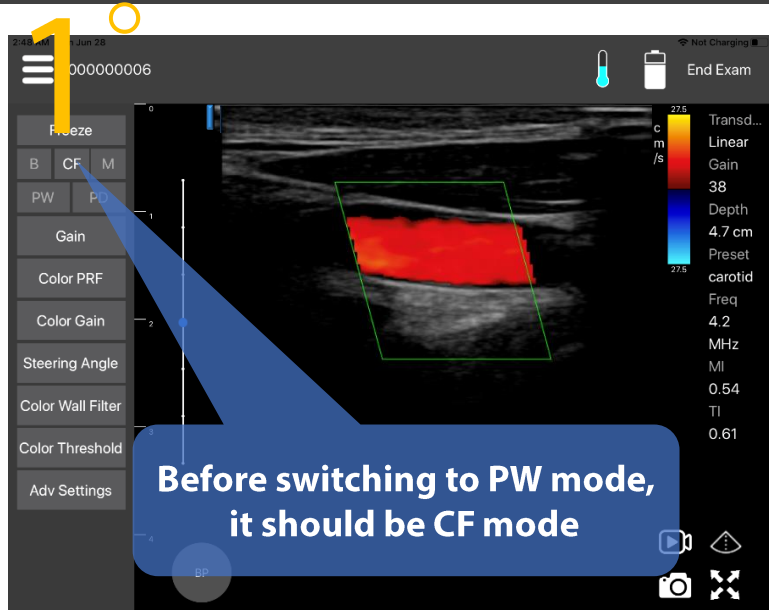
Scan – M (Motion) mode



Scan – C (Color Flow) mode



Scan – PW (Pulse Wave) mode



Scan – PD (Power Doppler) mode

1°

Freeze
B CF M
PW PD
Gain
Color PRF
Color Gain
Steering Angle
Color Wall Filter
Color Threshold
Adv Settings

Transd...
Linear
Gain 38
Depth 4.7 cm
Preset carotid
Freq 4.2 MHz
MI 0.54
TI 0.61

Tap [PD] to switch to PD mode

2°

Freeze
B CF M
PW PD
Gain
Color PRF
Color Gain
Steering Angle
Color Wall Filter
Color Threshold
Adv Settings

Transd...
Linear
Gain 38
Depth 4.7 cm
Preset carotid
Freq 4.2 MHz
MI 0.54
TI 0.61

Change the parameters to adjust the image

3°

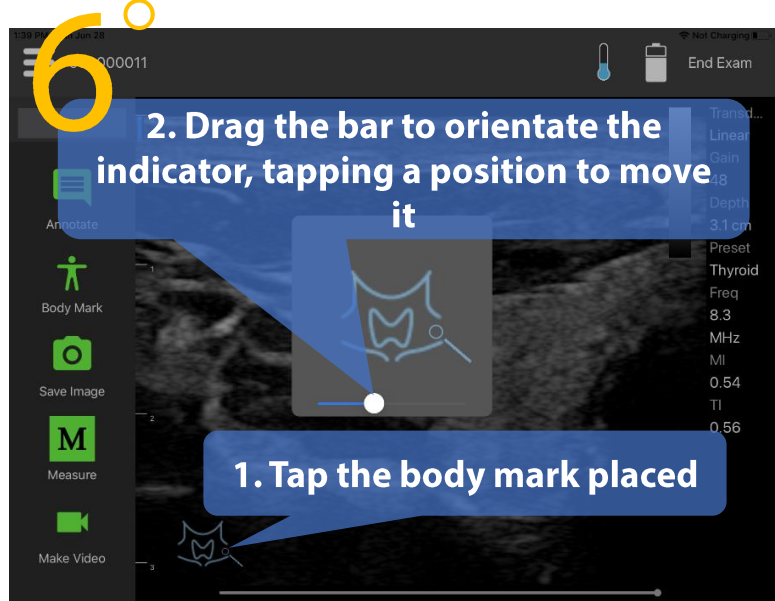
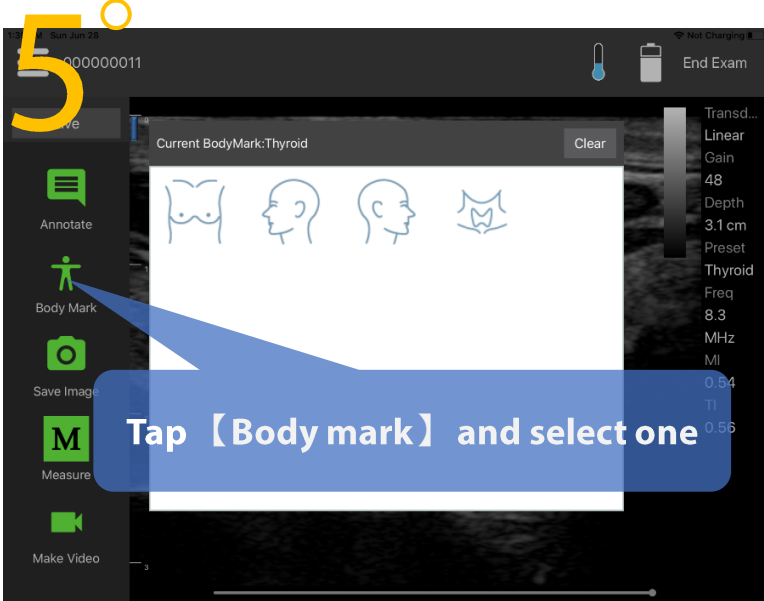
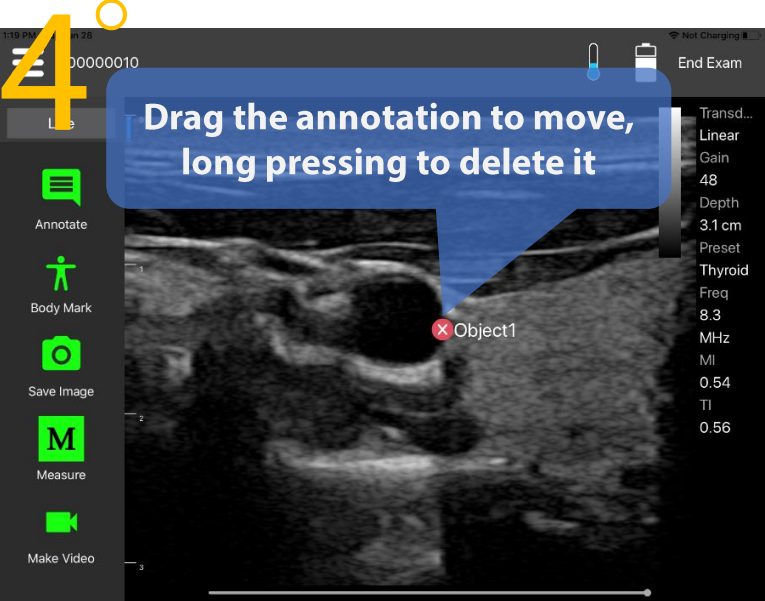
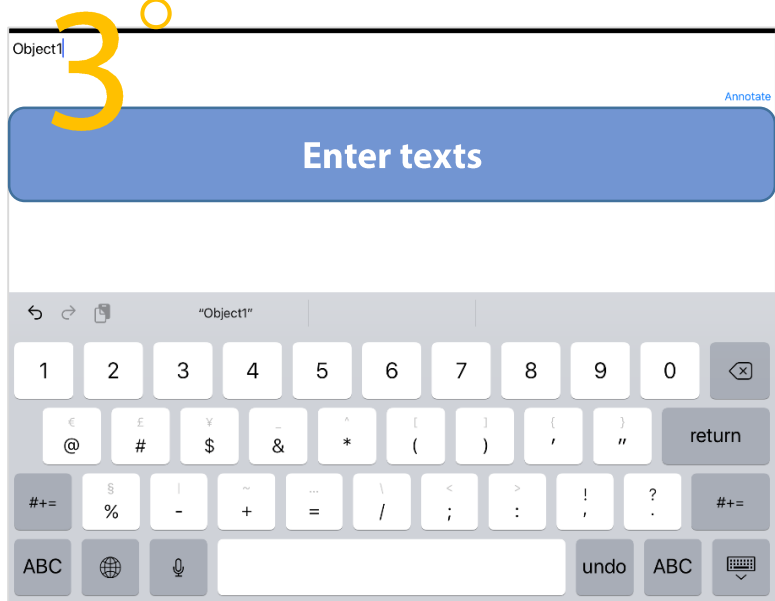
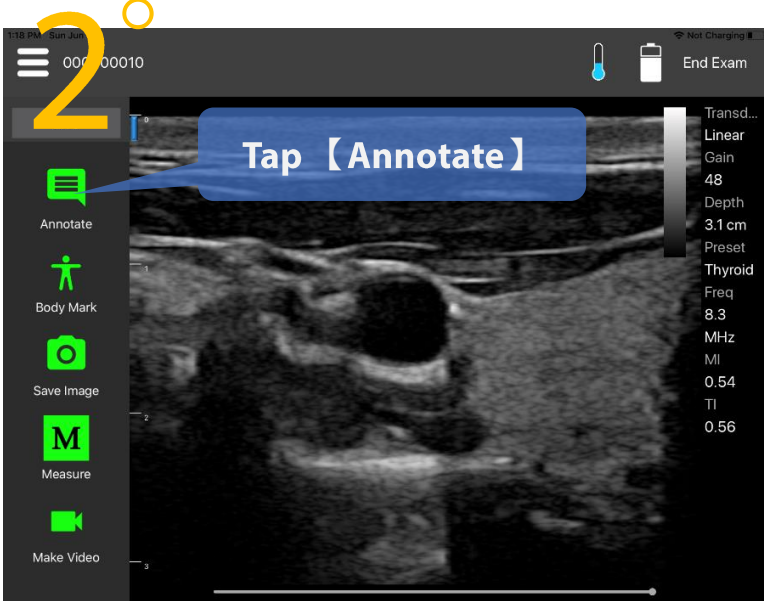
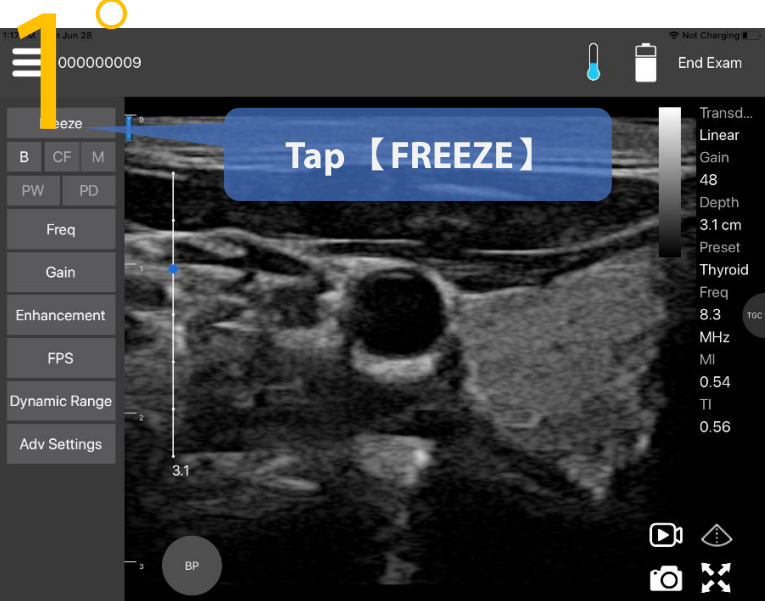
Live
Annotate
Body Mark
Save Image
Measure
Make Video

Transd...
Linear
Gain 38
Depth 4.7 cm
Preset carotid
Freq 4.2 MHz
MI 0.54
TI 0.61

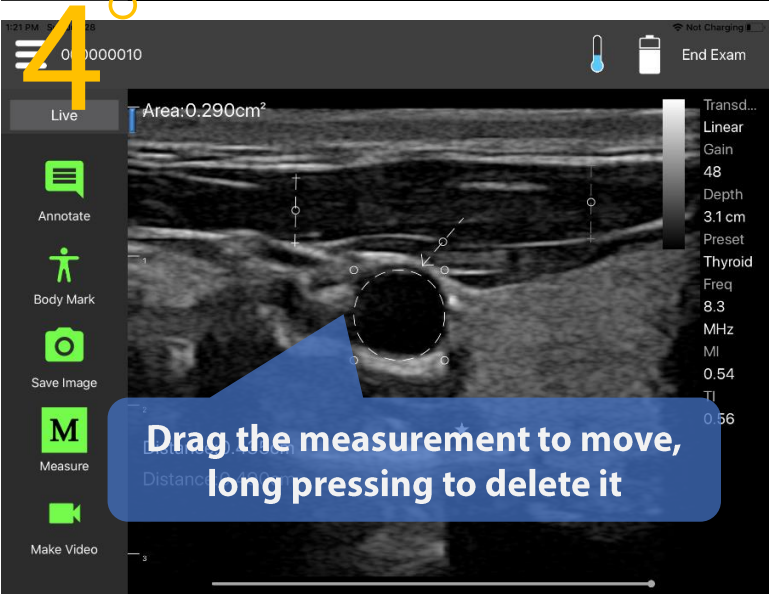
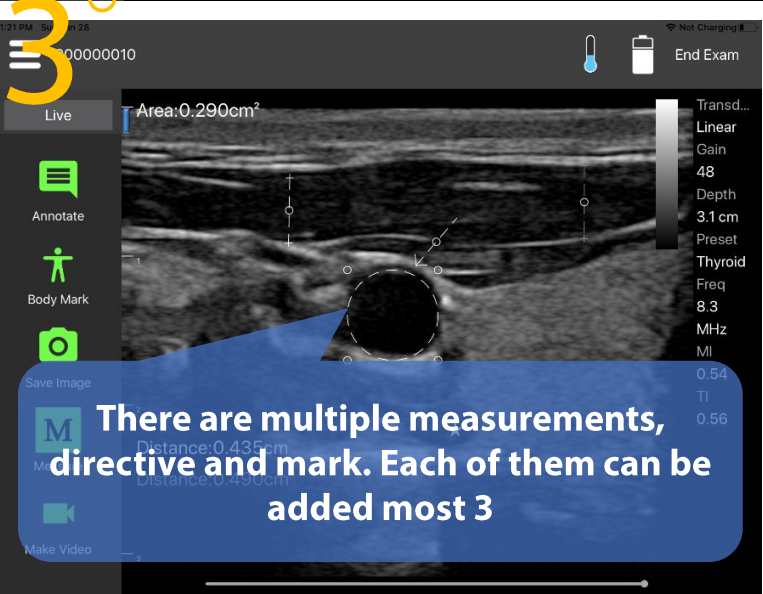
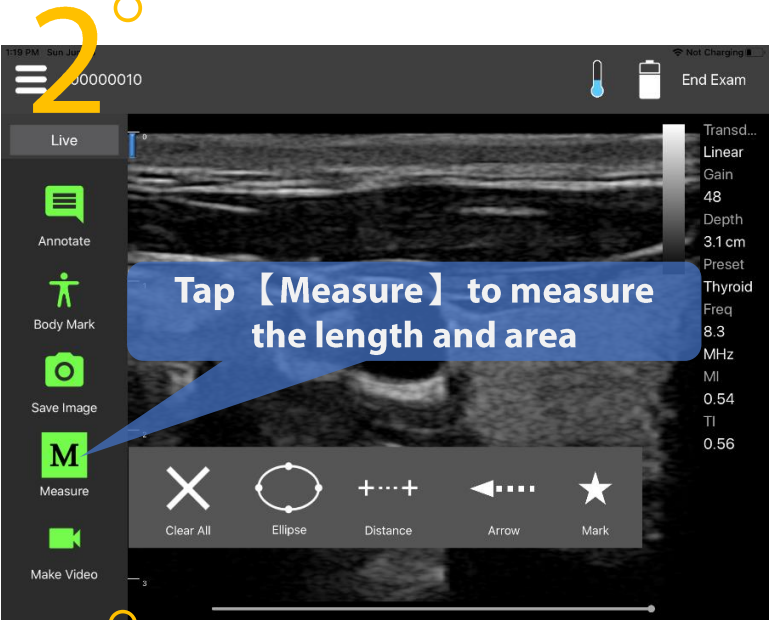
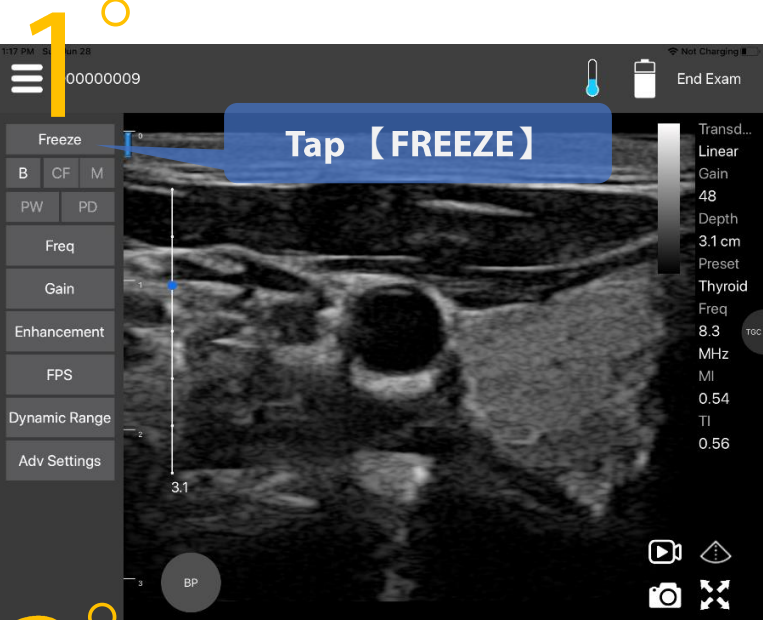
Tap [FREEZE] to stop scan

Drag the bar to review the history images

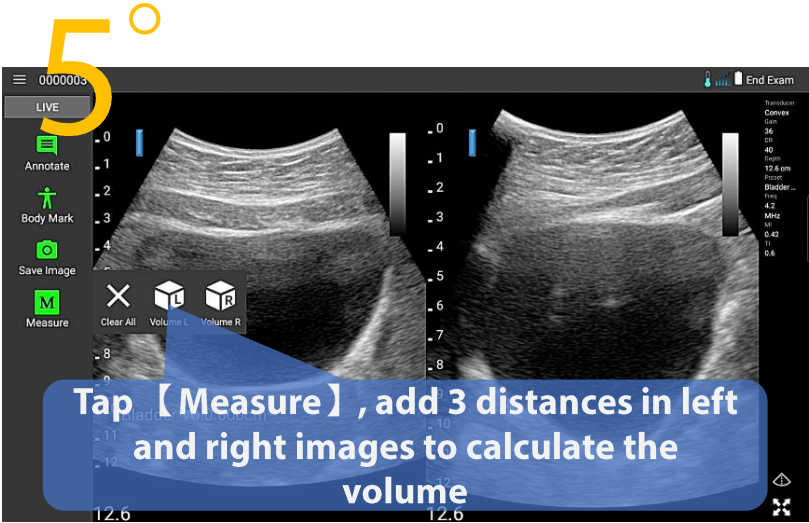
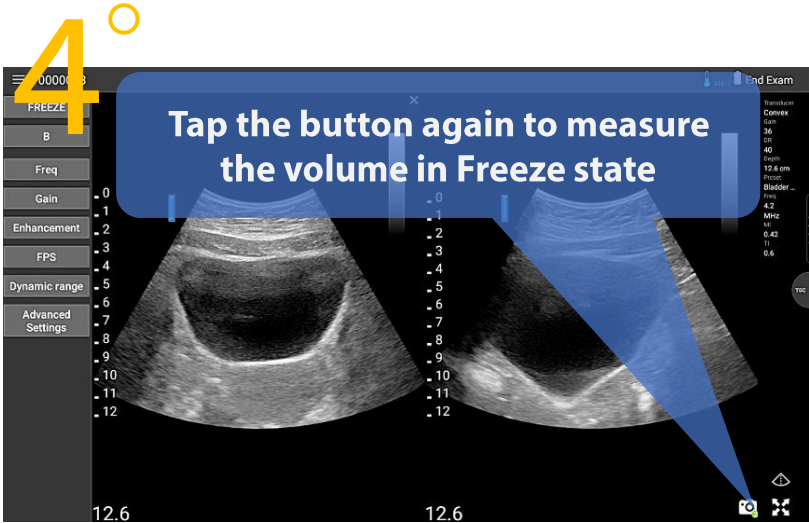
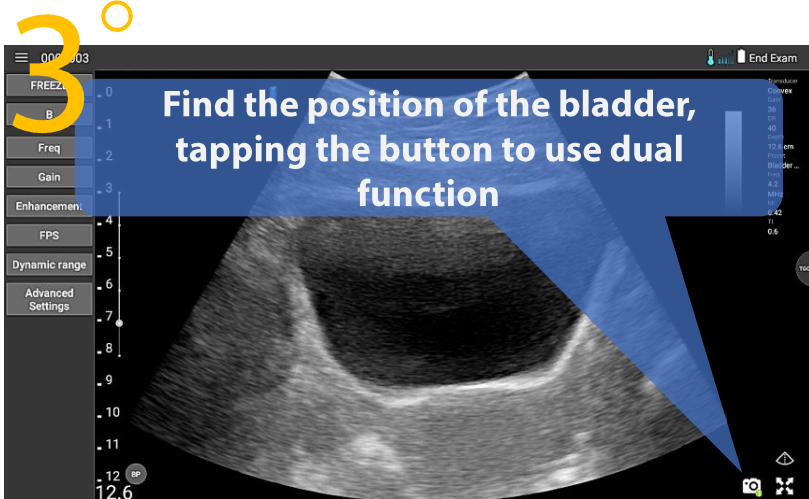
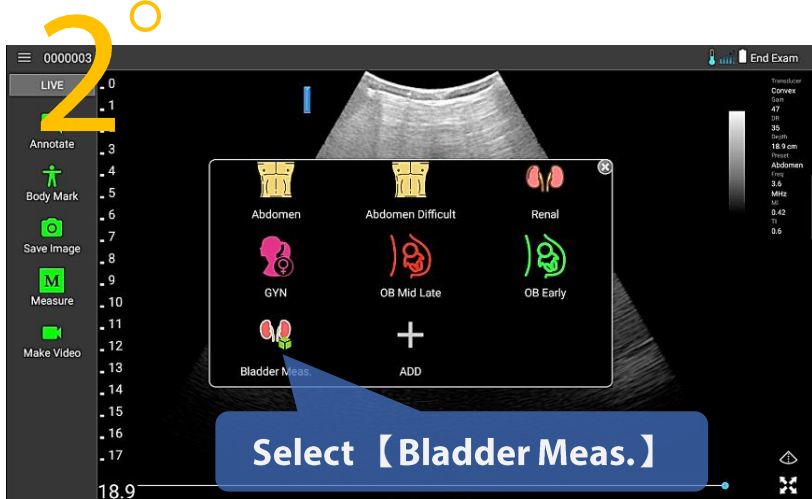
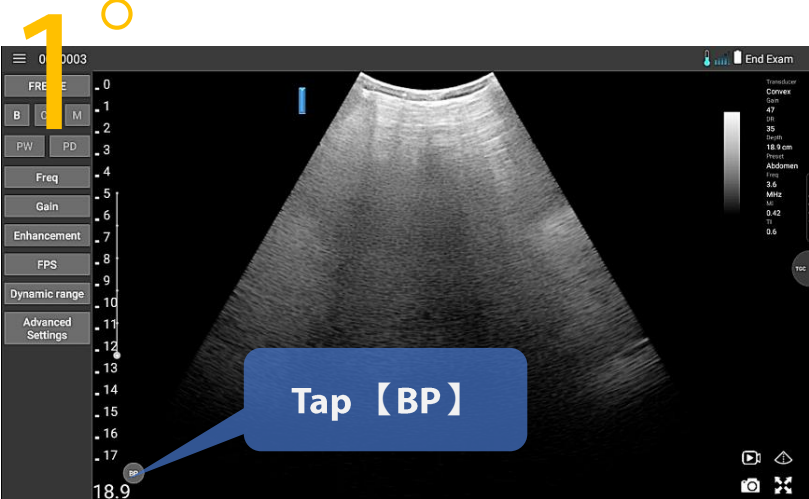
Annotate, measure and save - Annotate & Body mark



Annotate, measure and save - Measure



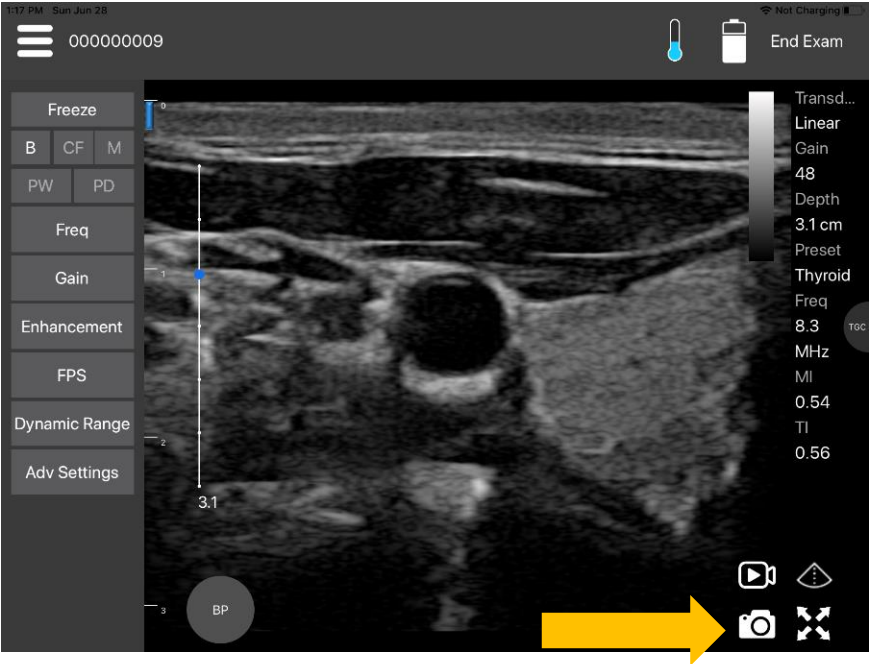
Annotate, measure and save – Measure Bladder



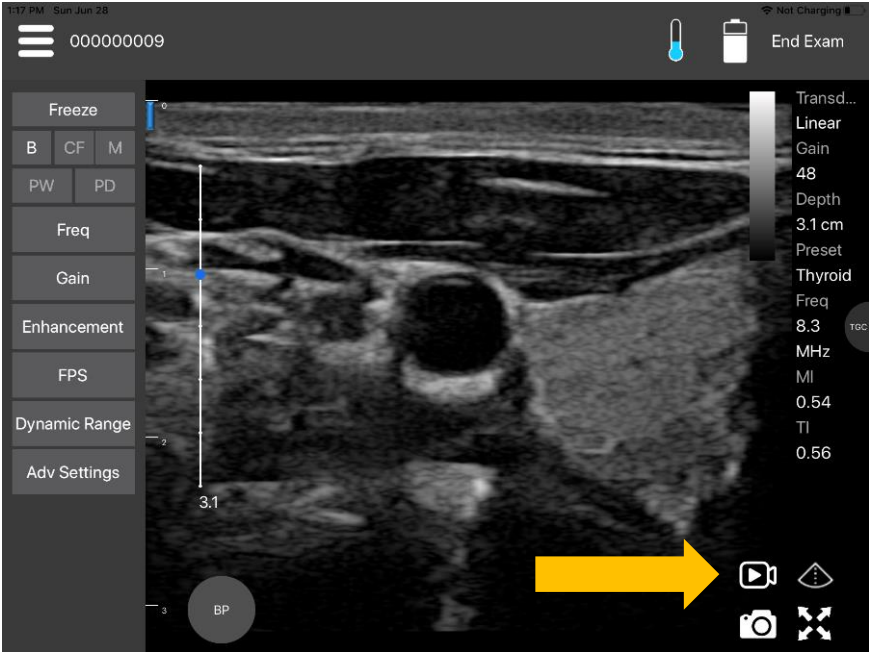
Annotate, measure and save - Save (Instant)

“Save an image instantly” hasn’t support the annotation and measurement etc. yet

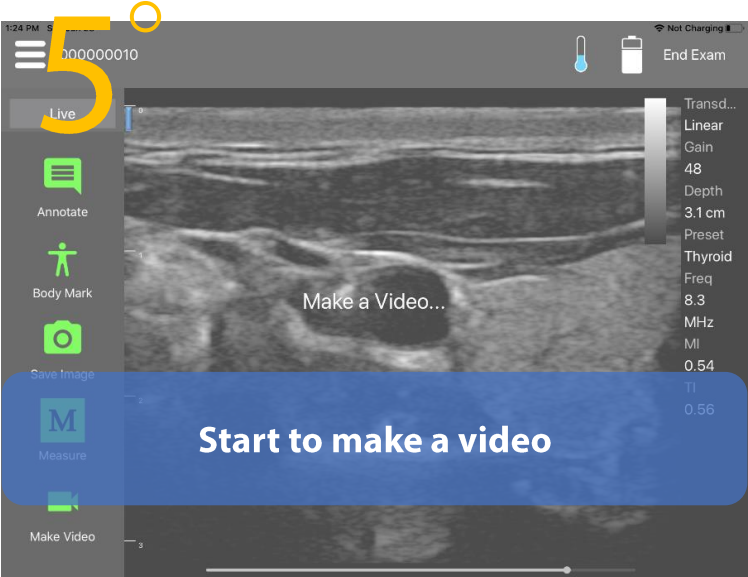
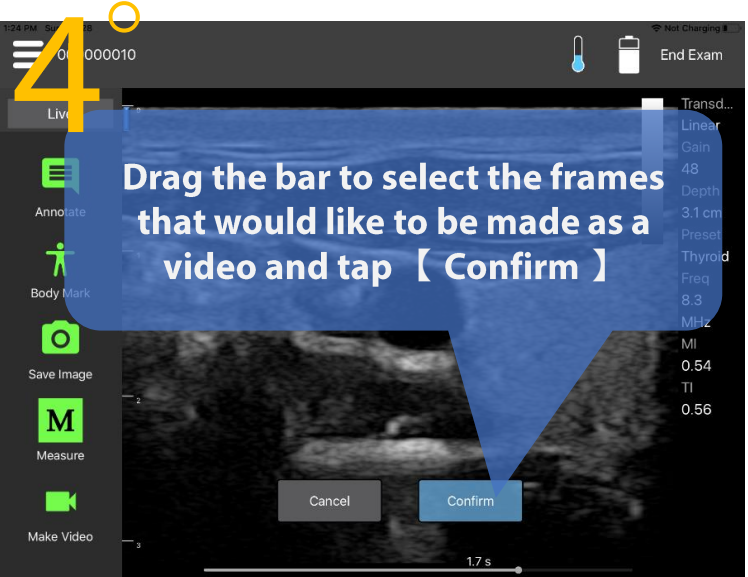
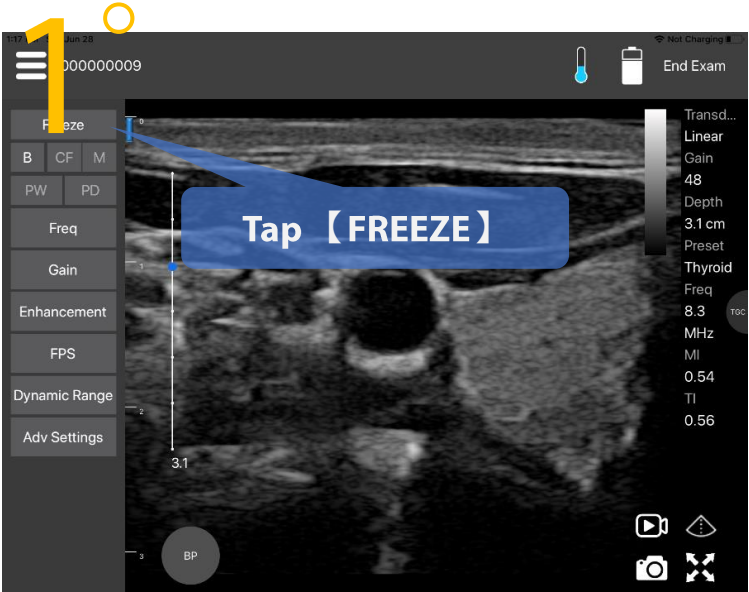
Save image



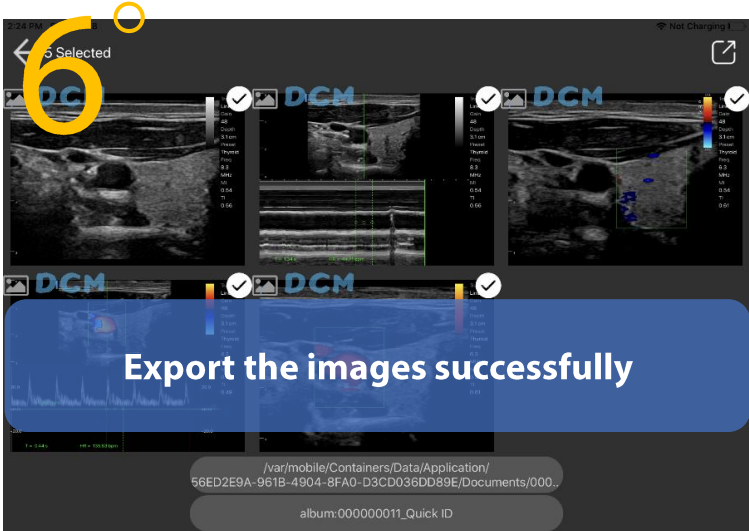
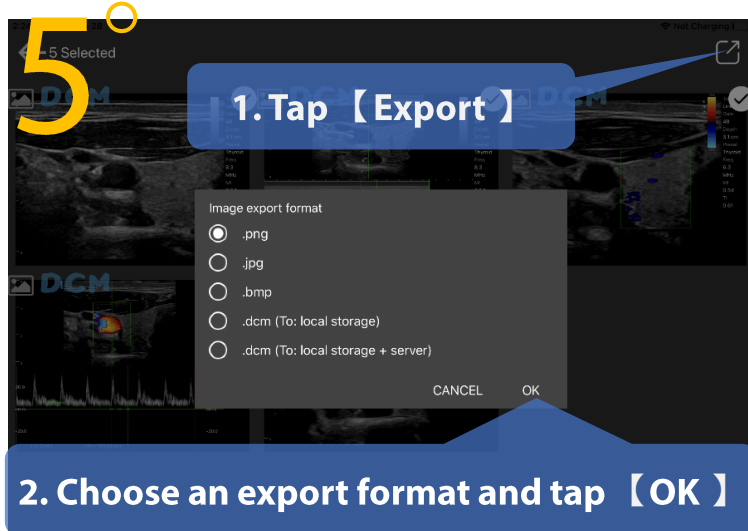
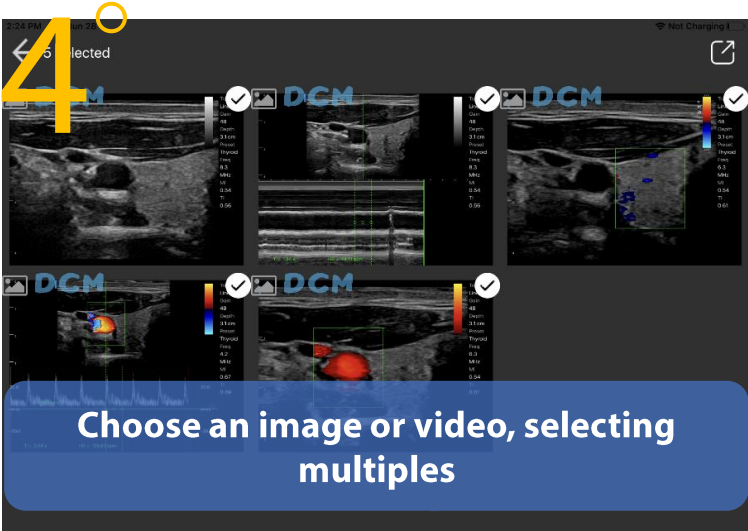
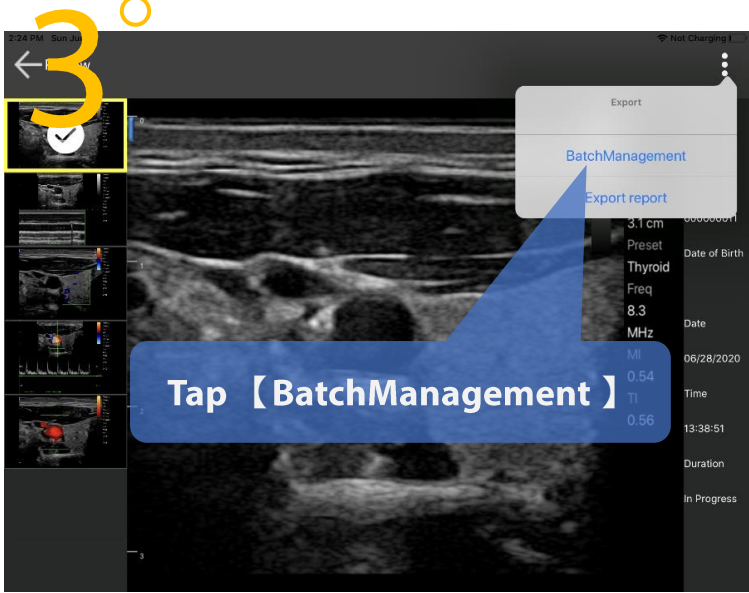
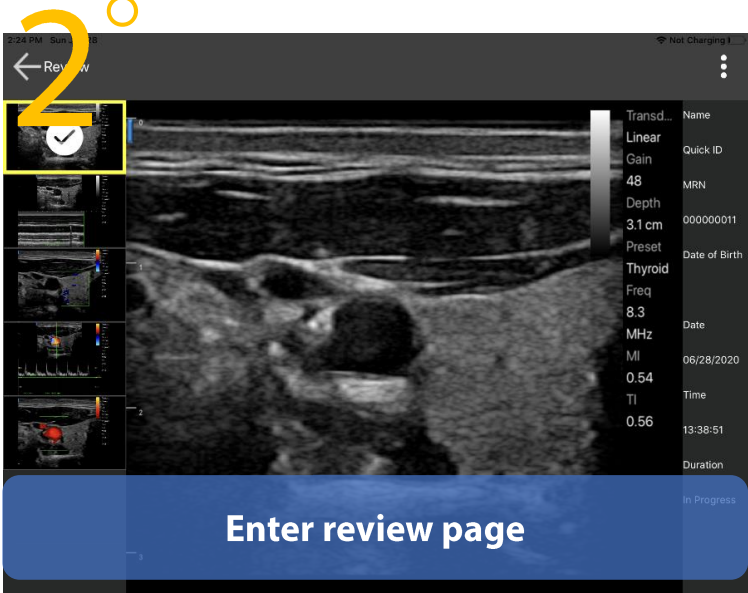
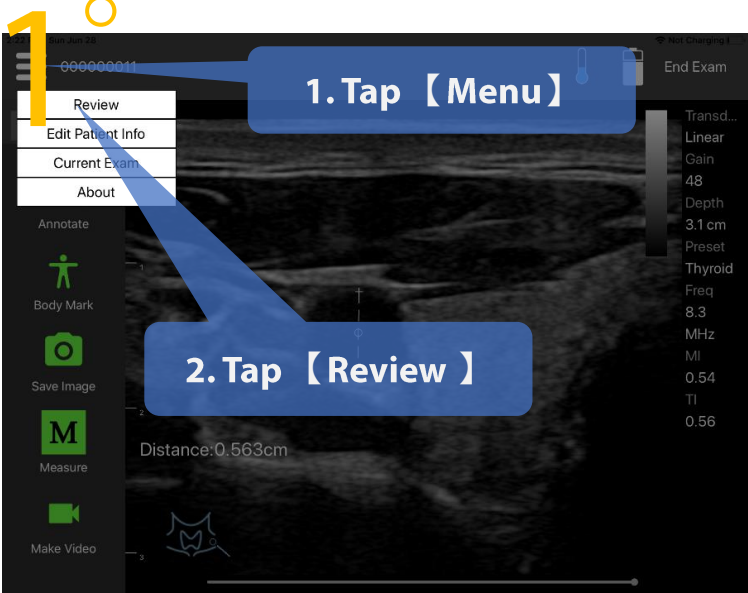
Save video



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

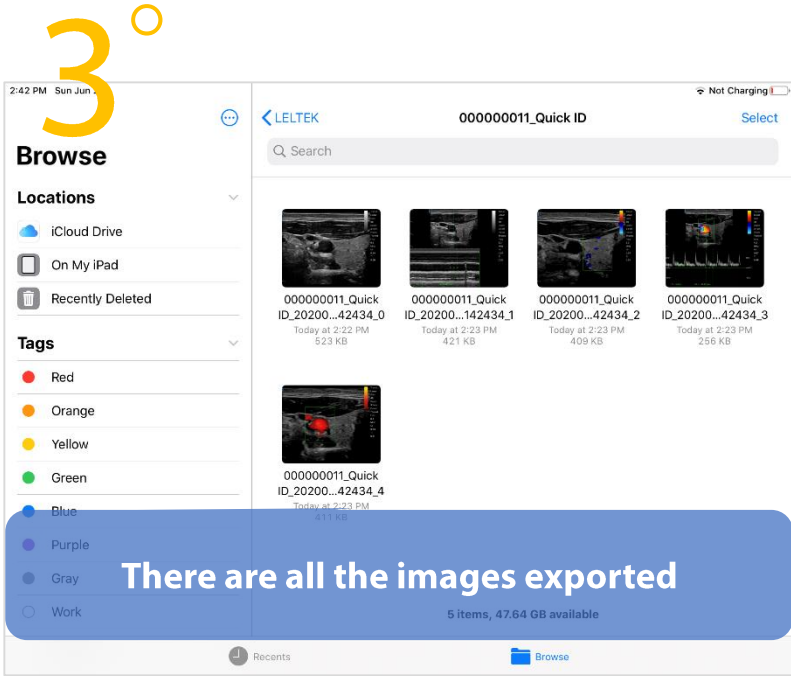
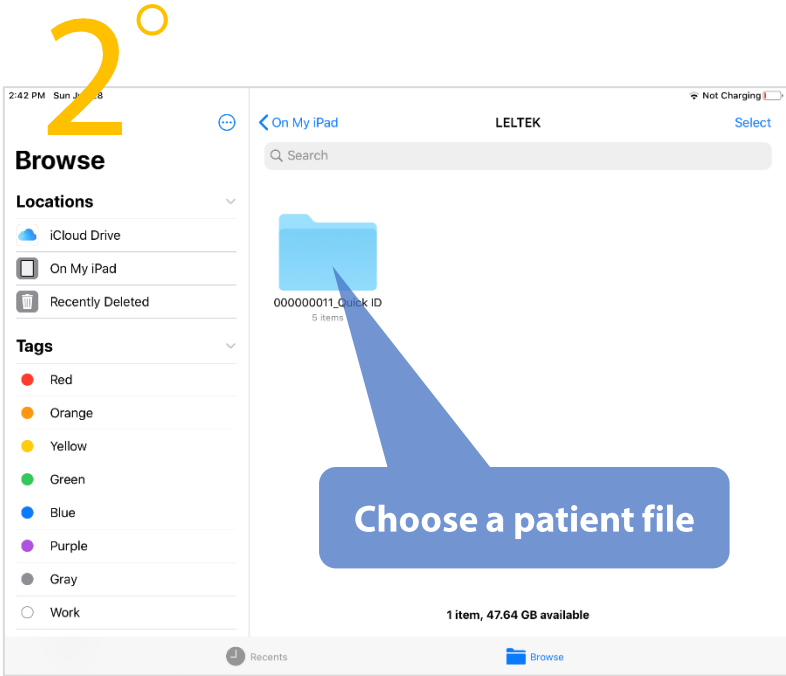
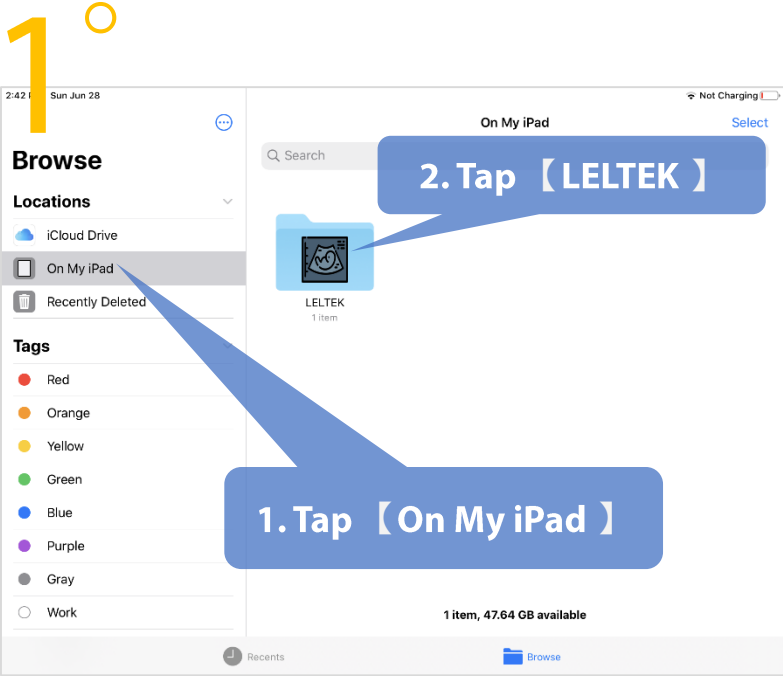


Annotate, measure and save - Export

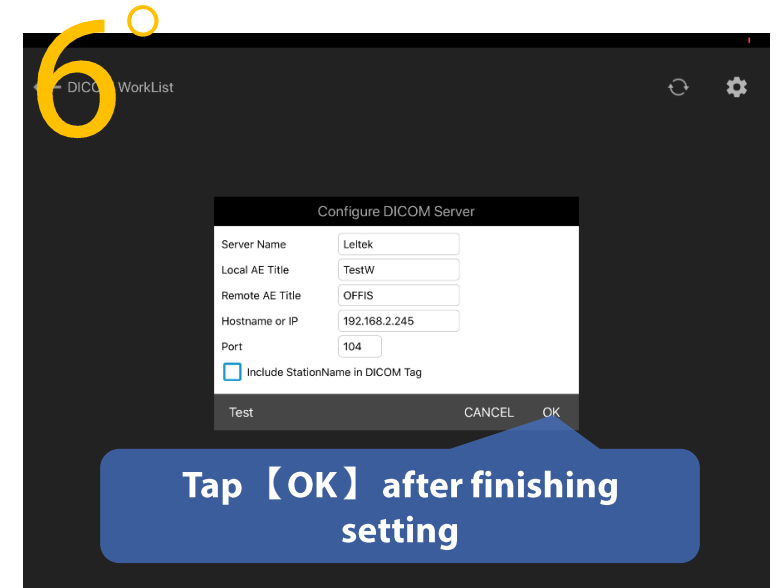
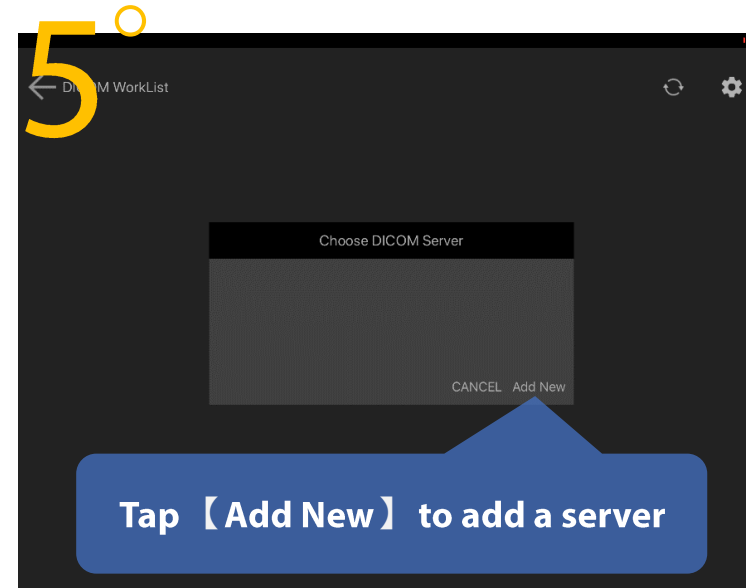
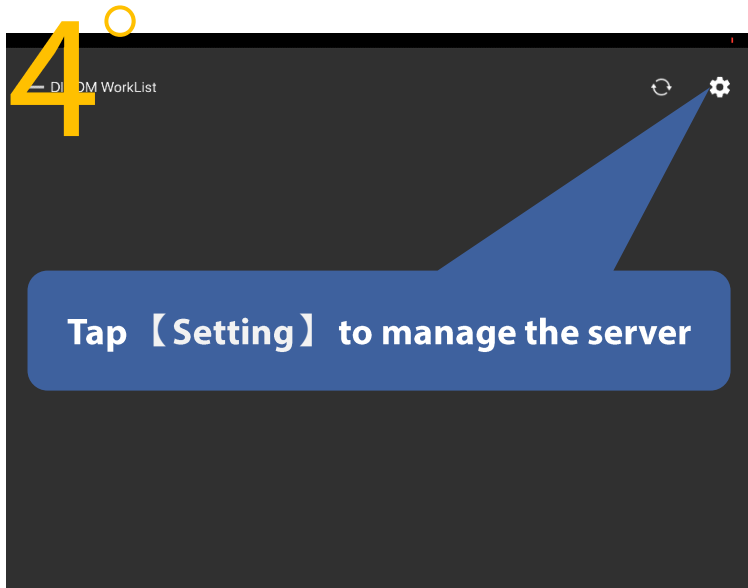
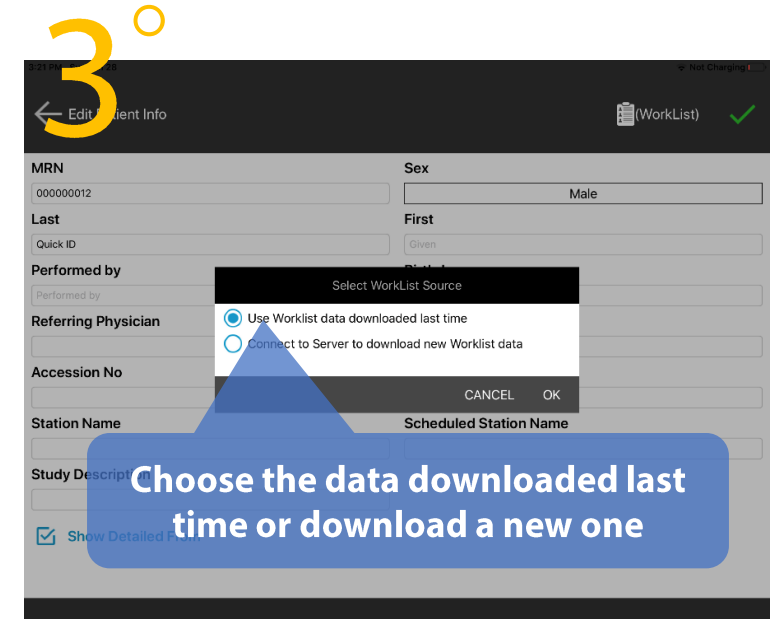
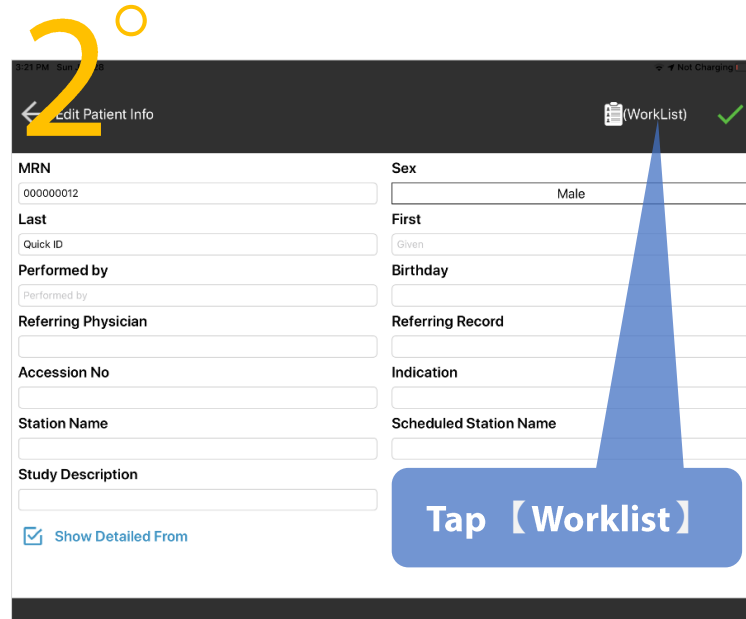
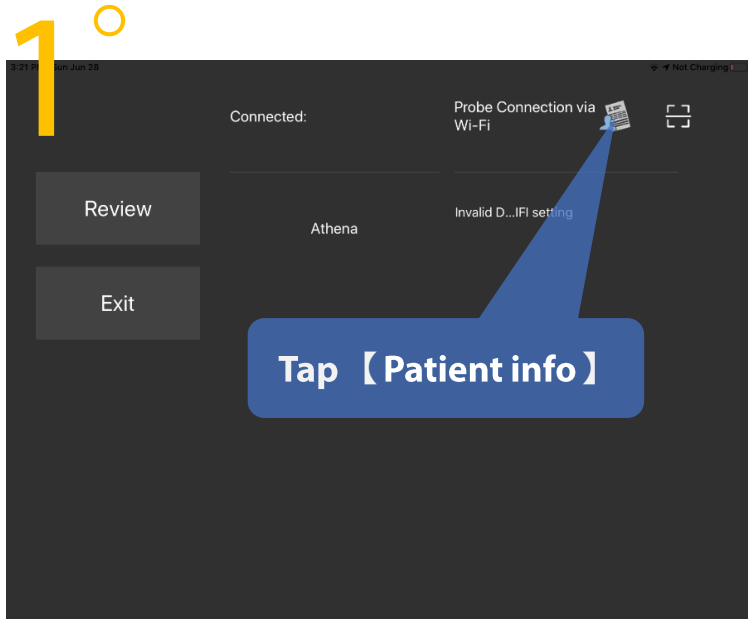


Annotate, measure and save – Export path

Take iOS for example:



DICOM support – Download worklist [1]



DICOM support – Download worklist [2]

7

Leltek (Connected)
Remote AE Title:OFFIS
Hostname/ip:192.168.2.245

Initialize the server successfully

Tap **【Worklist Server】** after initializing the server successfully

8

Set Search Criteria

- Patient ID
- Patient Name
- BirthDate
- Accession No
- Start Date
- Search for ultrasound modality only

Enter Patient's ID
Enter Patient's Name
yyyyymmdd
Enter Accession No
yyyyymmdd

CANCEL OK

Enter the search criteria manually or with scanning a barcode

9

Scan the barcode

10

Wang Leo 20200324
PatientID:MWA484763
Accession No:00009
DOB:17911205
Start Time:075644

Tsai Thomas 20200324
PatientID:BLV734623
Accession No:00008
DOB:18270326
Start Time:110856

呂英閣 20200324
PatientID:000000000A
Accession No:A9314720
DOB:19560701
Start Time:175609

Choose a patient

11

MRN: MWA484763
Sex: Male
Last: Wang
First: Leo
Performed by: JOHNSON
Referring Physician: [Empty]
Accession No: 00009
Station Name: [Empty]
Study Description: EXAM78
Scheduled Station Name: STN345

Show Detailed From

It will be entered to patient info page automatically

12

Wang L

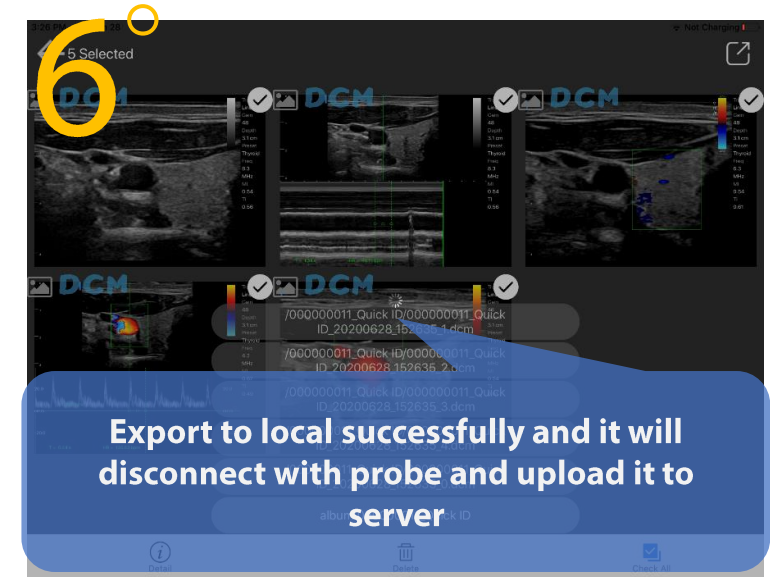
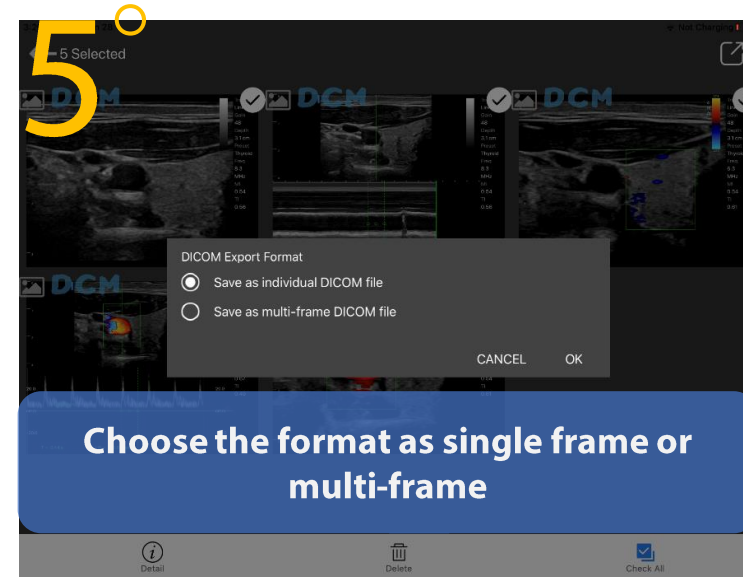
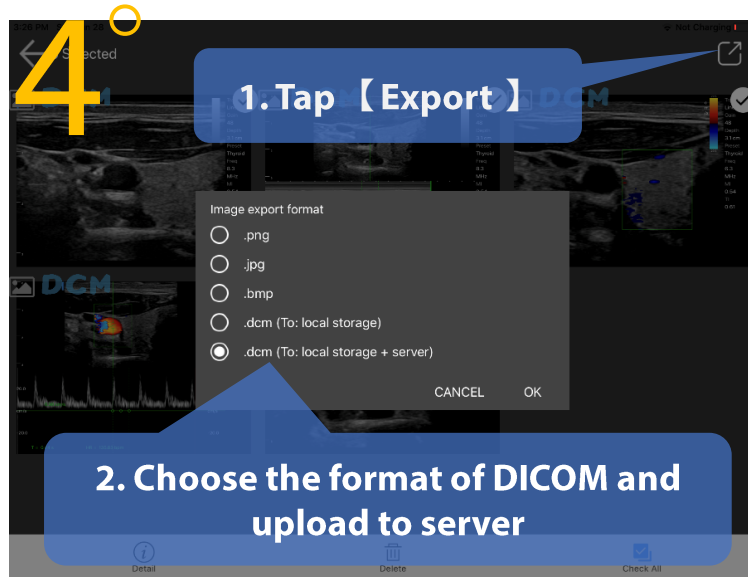
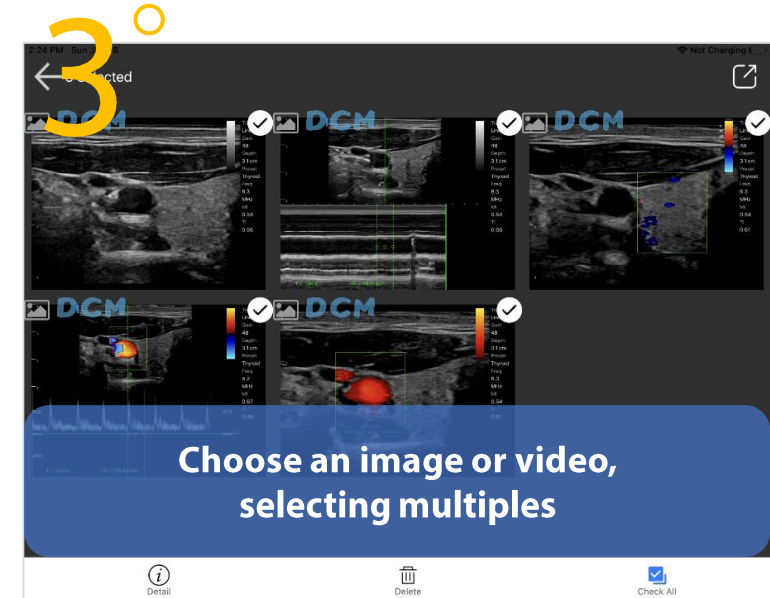
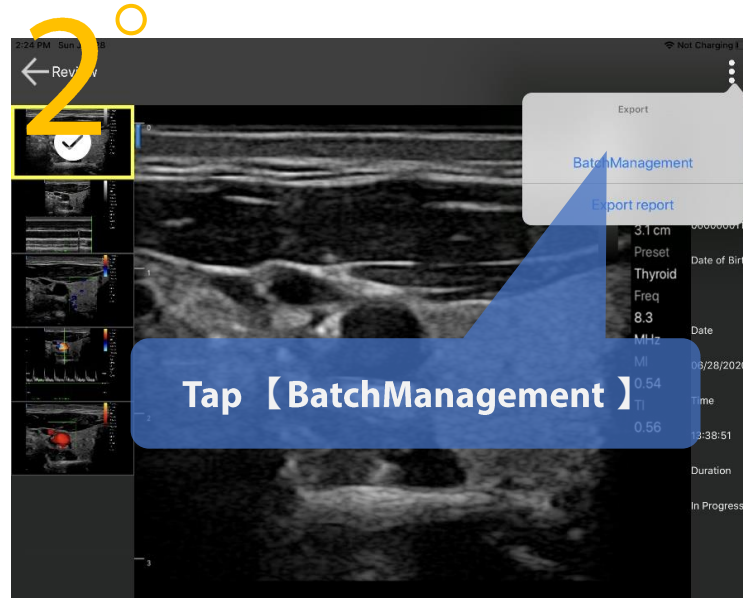
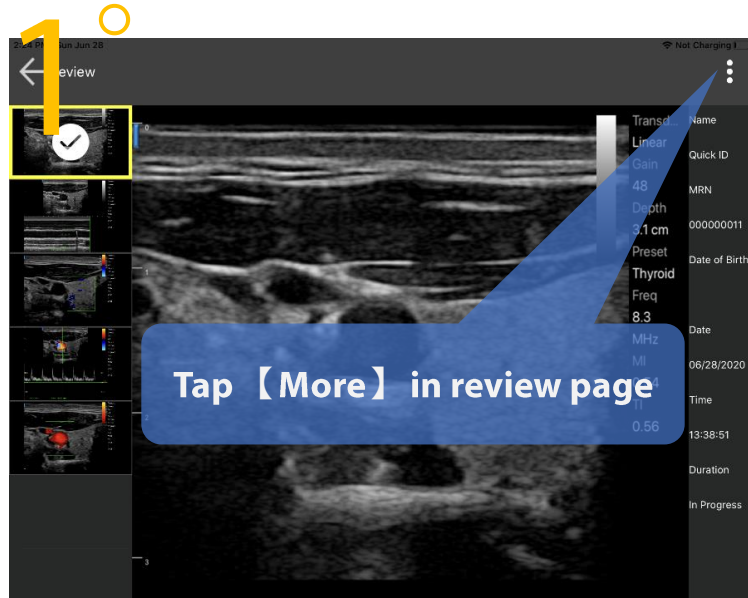
MRN:MWA484763	Date:06/28/2020	Duration:In Progress
DOB:17911205	Time:15:25:04	Performed by:JOHNSON
Accession No.:00009	Station Name:	

Quick ID

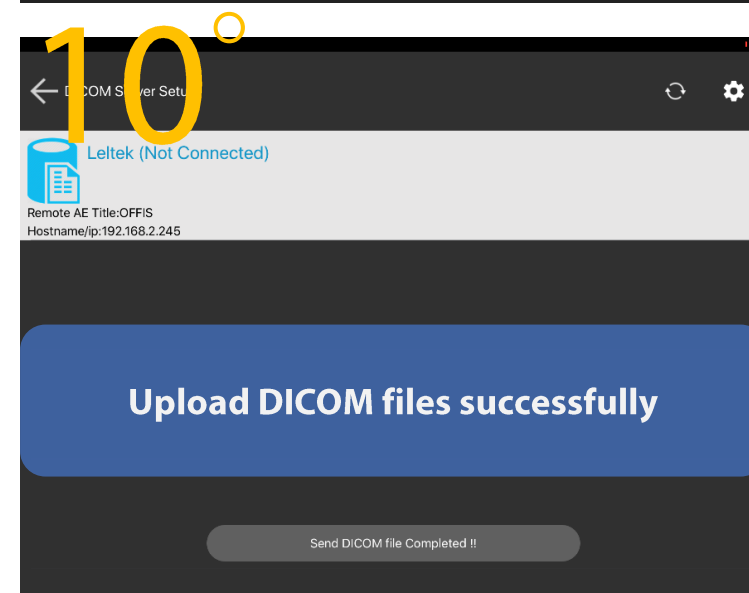
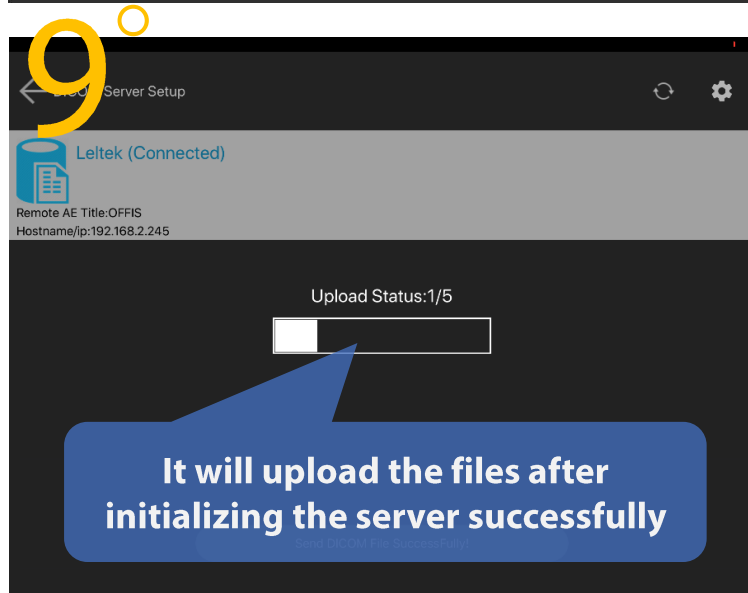
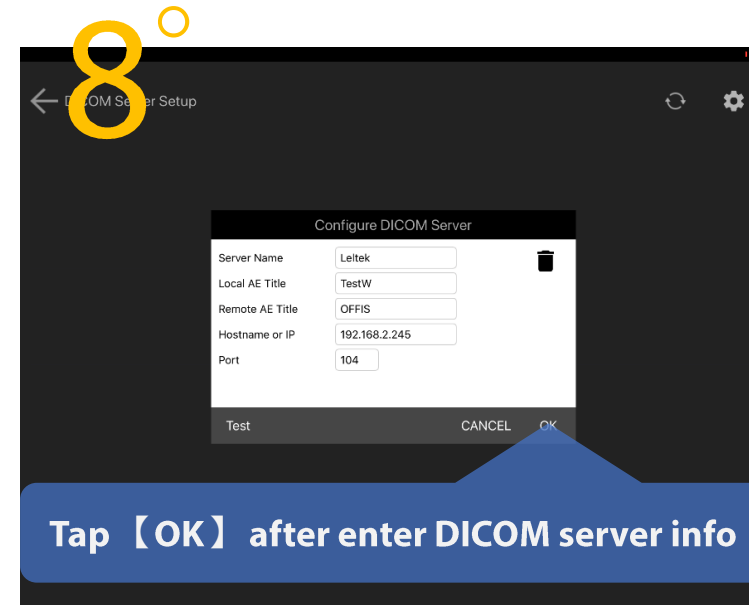
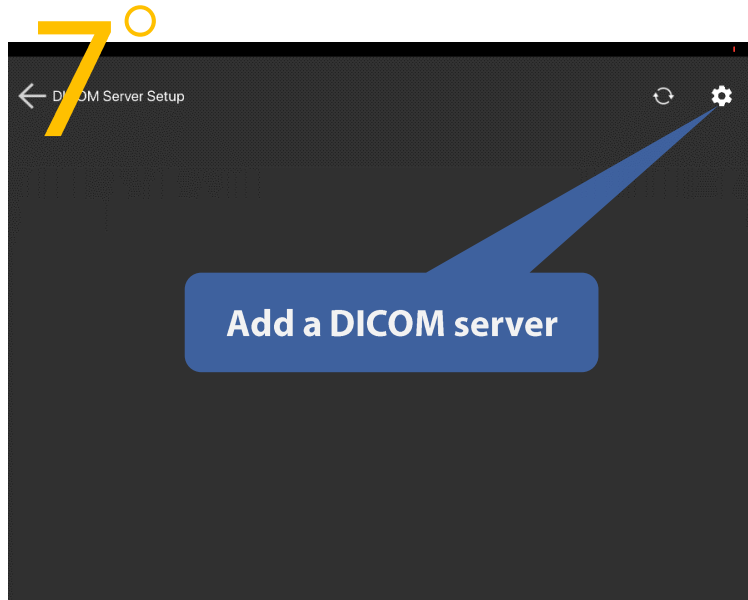
MRN:000000013	Date:06/28/2020	Duration:16 seconds
DOB:	Time:15:24:48	Performed by:
Accession No.:	Station Name:	

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

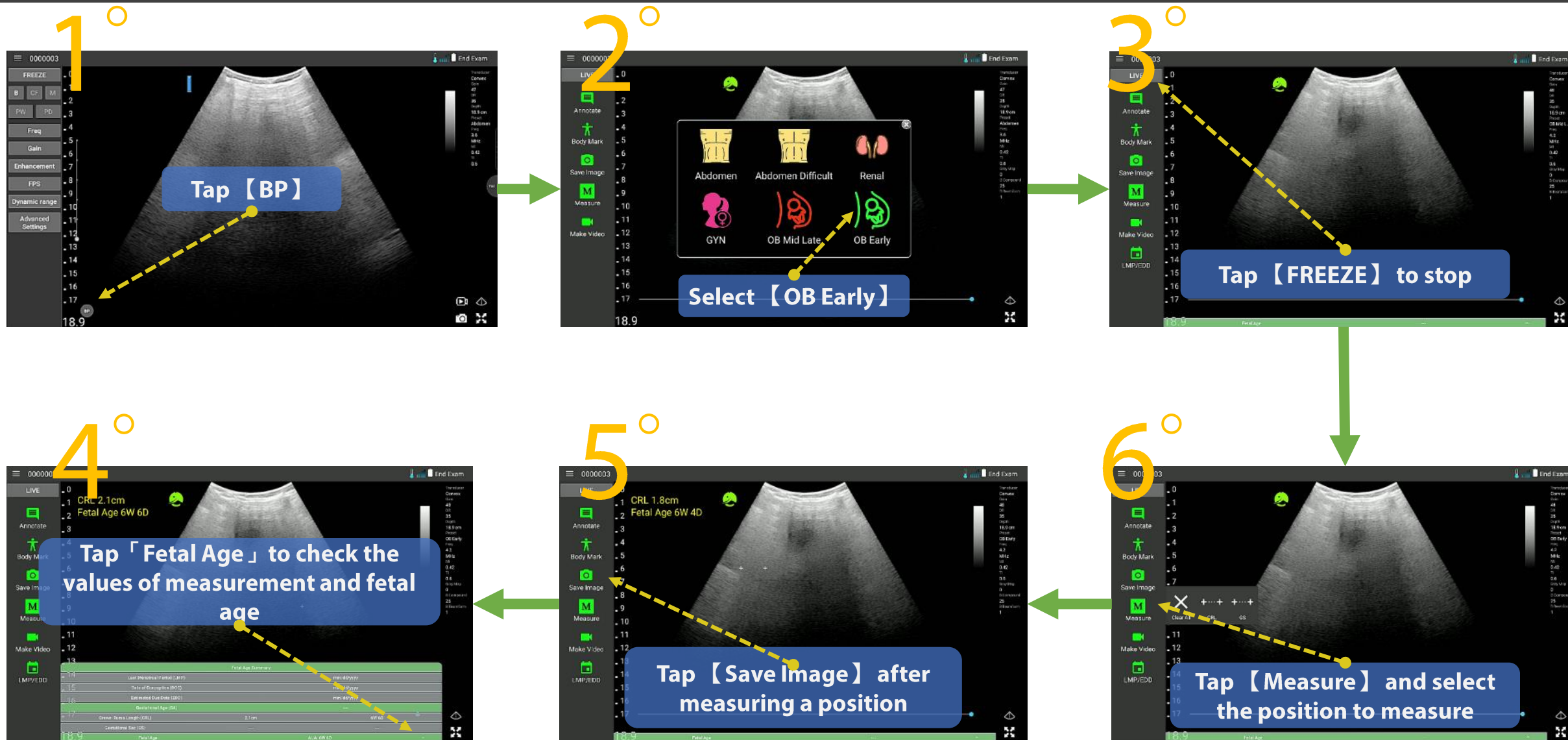
DICOM support – Upload DICOM file [1]



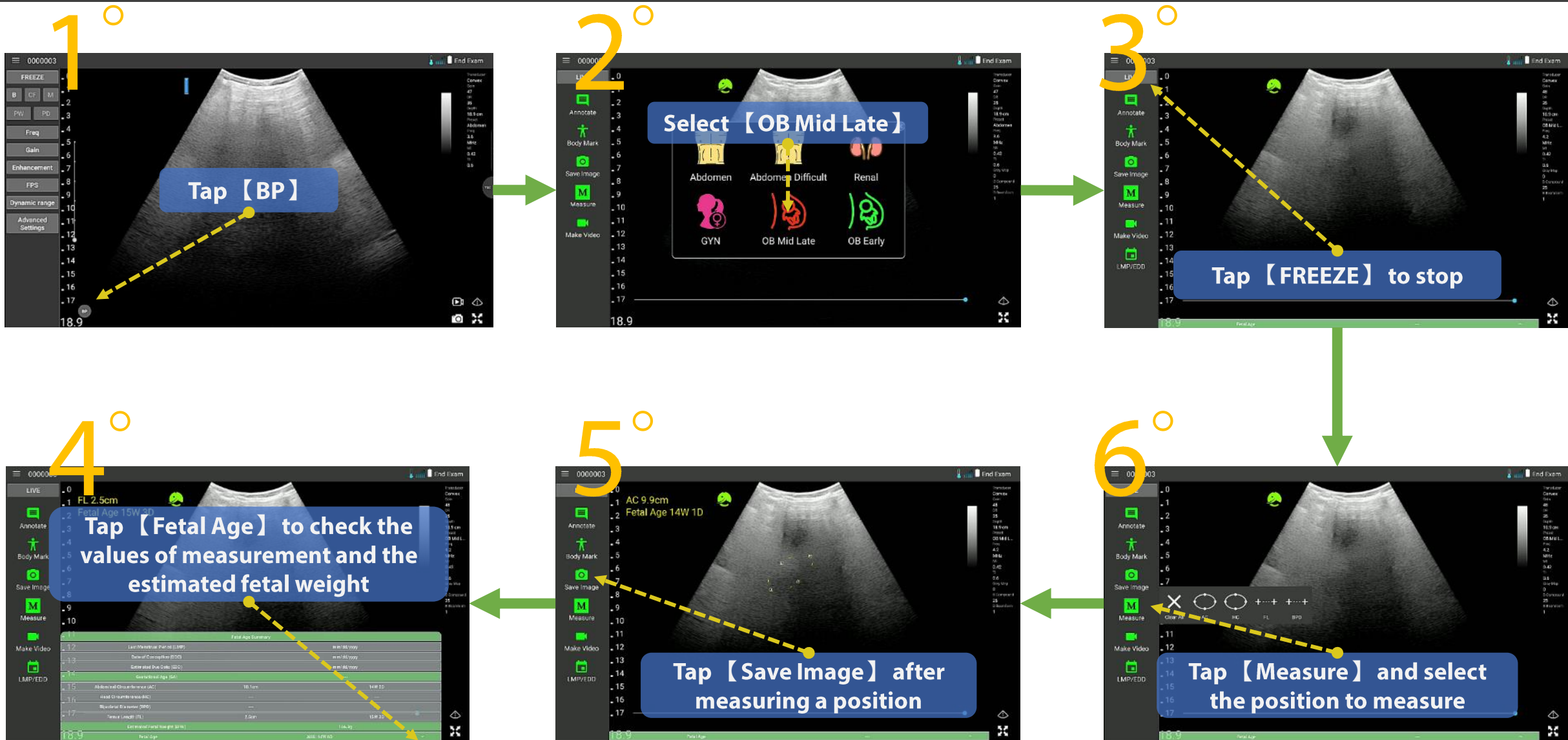
DICOM support – Upload DICOM file [2]



Annotate, measure and save - Measuring in OB early



Annotate, measure and save - Measuring in OB mid late



Thank You ~