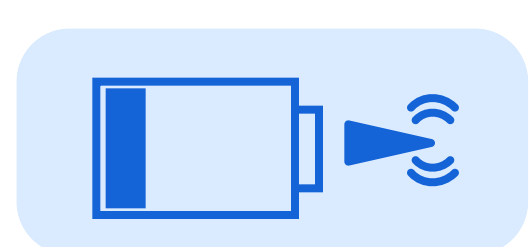
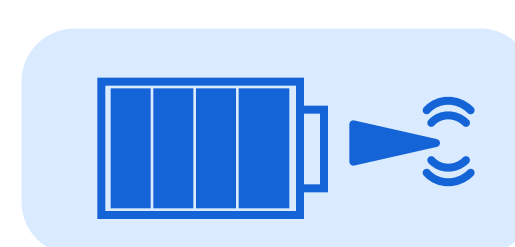
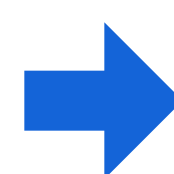


Start Guide

1 Charge the scanner battery.



Low Battery



Fully Charged



Scanner Charging Symbol

To charge the DRSONO Scanner using the wireless charging pad:

- Place the wireless charging pad on a flat surface, circular pattern facing up.
- Align the scanner's back wireless charging pattern with the pad.
- Charging starts automatically.

Tip: Charging won't work if the pad or scanner is reversed. Always align the circular patterns.



Having trouble connecting? Email us at info@drsono.com for support.

Tri-scan Max Quick DR.SONO

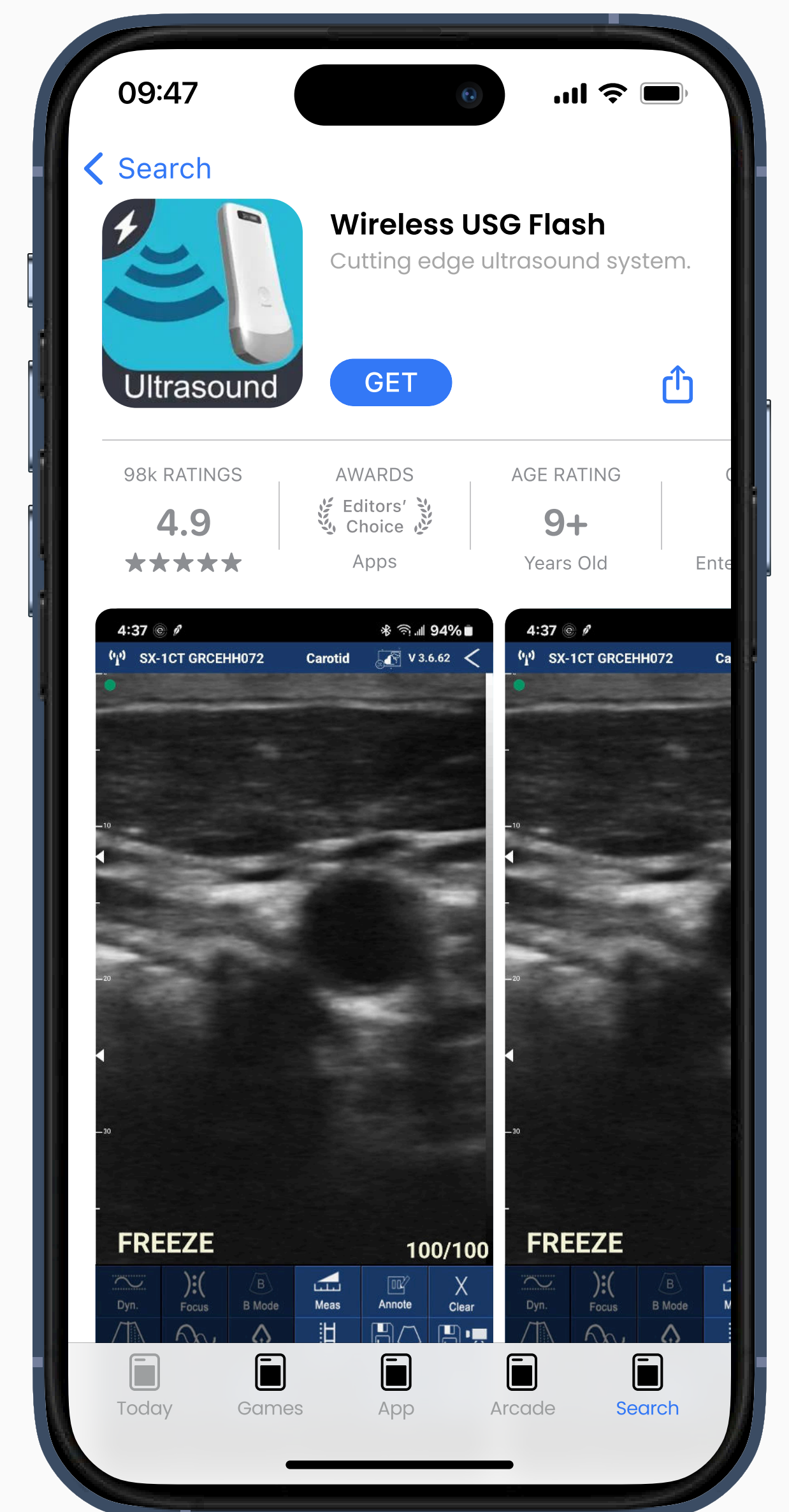
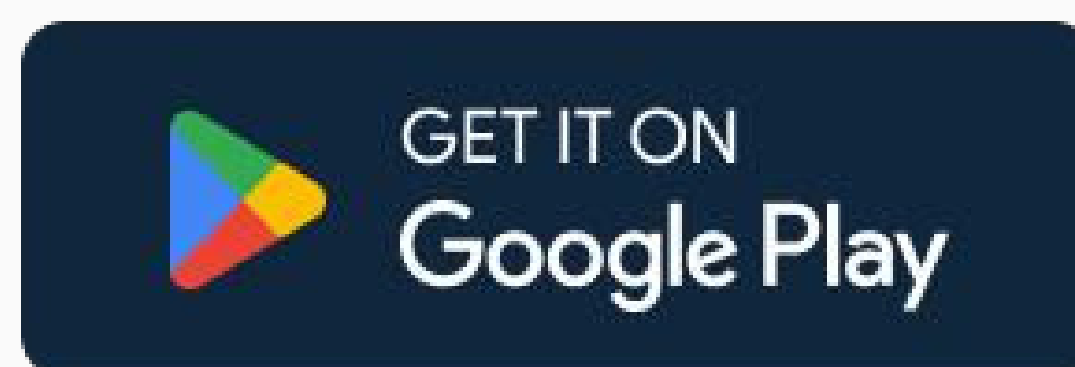
Start Guide

2 Download & install the App.

For iOS Devices: Go to the Apple App Store.

For Android Devices: Go to the Google Play Store.

Search for "WirelessUSG Flash" then click the install button. The app will install on your device. Open it to start scanning.



3 Connect your scanner and smart device.

- ① Power on: Press the center button. A blue light will appear on the button and battery indicator.
- ② Enable Wi-Fi on your phone or tablet.
- ③ In your Wi-Fi list, select the ID that matches the last characters of the SN on the back of the probe.
- ④ Enter password: the SN in lowercase (e.g. SN = WXPCDMH070 → password = wxpcdmh070).

Once connected, open the App and start scanning.



Having trouble connecting? Email us at info@drsono.com for support.

Scan to Download the App



iOS



Android



1

! Please use the SN printed on the label on the back of your device, not the example shown here.

How to Connect

1. Find the SN

Check the SN label on the back of the probe. Remember the last few characters.

2. Select the WiFi

Open your device's WiFi list. Choose the network whose last characters match the SN.

3. Enter Password

Password = SN in lowercase
Example: SN WXPCDMH070 → password wxpcdmh070

Tips

- Enable Location Services.
- Allow WiFi / Network permissions.



2



3



Need help?

Email: info@drsono.com or customerservice@drsono.com

Phone: (855) 415-7475

Button Functions



1 Power On/Off & Live/Freeze Button

Short press (1 second): Freeze/unfreeze the image.

Press & hold: Turn probe on/off.

Double-head probes – Press & hold for 3 seconds: Switch between scan heads.

2 Battery Capacity Indicator

Shows remaining battery level.

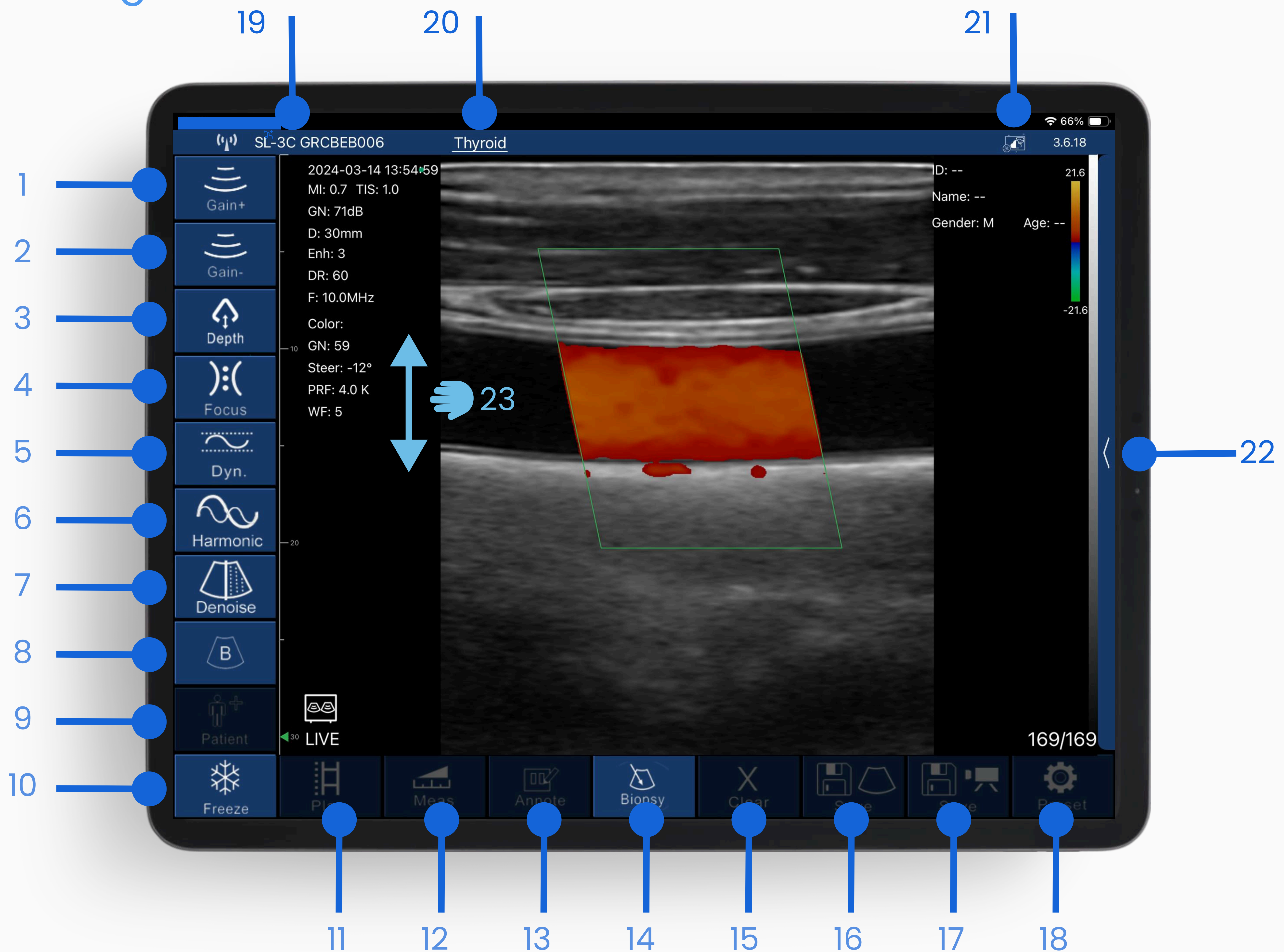
3 Wireless Connection Indicator

Displays connection status.

4 Probe Direction Indicator

The indicator light on the side corresponding to the probe illuminates to show which probe is currently active.

Scanning Basics



1. Gain +: Increases amplification of returning echo signals, resulting in a brighter image.
2. Gain -: Decreases amplification of returning echoes, reducing overall image brightness.
3. Depth: Adjusts imaging depth to visualize superficial or deeper anatomical structures.
4. Focus: Adjusts the focal zone to optimize image resolution at a selected depth.
5. Dynamic Range: Controls the range of displayed echo intensities, affecting image contrast and tissue differentiation.
6. Frequency: Adjusts transmit frequency to balance image resolution and penetration depth.(higher frequency for superficial detail, lower frequency for deeper structures).
7. Noise Reduction: Reduces speckle and low-level noise to improve image clarity.
8. Image Modes: Opens the mode selection menu to switch between available imaging modes.
9. Patient Information Management: Entry screen to input or edit patient details.
10. Freeze / Run: Freezes or unfreezes the image.
11. Play: Starts playback of the stored cine loop for image review.
12. Measurement: Measures distance, area, or obstetric parameters.
13. Annote: Adds a comment to the image.
14. Biopsy: Displays the puncture guidance line for needle placement.
15. Clear : Removes measurements and comments from the image.
16. Save Image: Saves a single image.
17. Save Video: Saves the currently selected cine loop, preserving the entire recorded sequence for review or storage.
18. Preset(Setting): Opens the preset menu for device and imaging configuration.
19. Wi-Fi Connection Status: Shows the connected Wi-Fi network; blank if no connection is established.
20. Presets: Pre-set parameters tailored for specific body parts, ready for immediate use.
21. DICOM Procedures: Set up DICOM workflows (accessed via Preset > DICOM Setting).
22. TGC Function Menu: Opens the time gain compensation menu to adjust gain at different depths.

1 B Mode (2D Imaging)



The following controls are available in B Mode:

- **Gain + / Gain -:** Adjust image brightness to highlight target structures.
- **Depth:** Set the scanning depth to focus on the region of interest.
- **Measurement Tools:** Place and adjust measurement points for accurate distance or area evaluation.

💡 **Tip:** Start with a moderate gain and adjust depth to frame the target structure clearly.

2 B & M Mode (Motion Mode)



The following controls are available in M Mode:

- **The following controls are available when using B and M modes together:**
 - **Gain + / Gain -:** Adjust image brightness for better visualization.
 - **Depth:** Set scanning depth to focus on the region of interest.
 - **Scan Line Placement:** Position the M Mode line over the structure to track motion.
 - **Time Base:** Adjust the horizontal scale to display shorter or longer motion sequences.

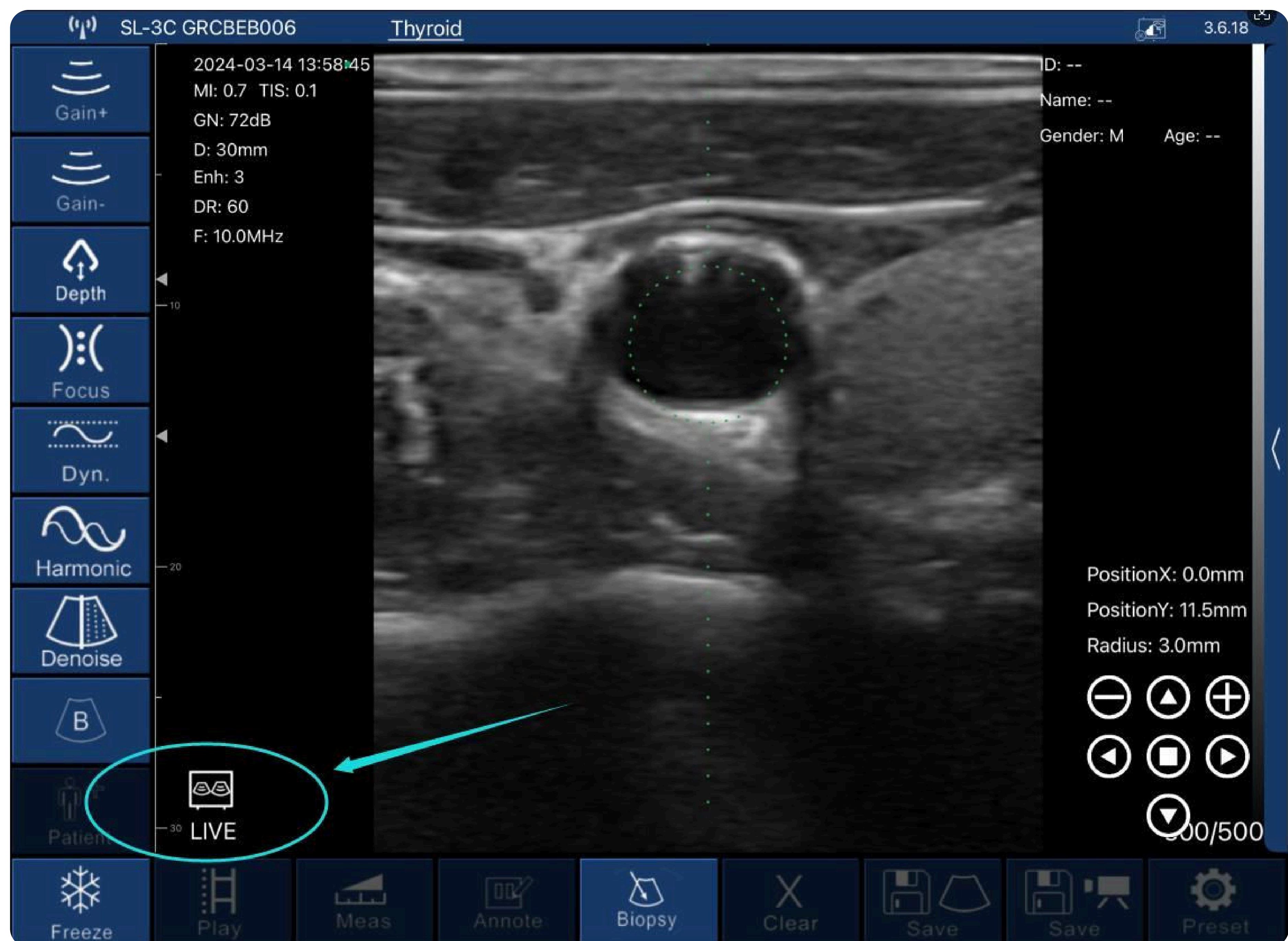
💡 **Tip:** Use BM Mode to observe both structure and motion simultaneously; align the scan line perpendicular to motion for accurate measurement.

Dual B-Mode

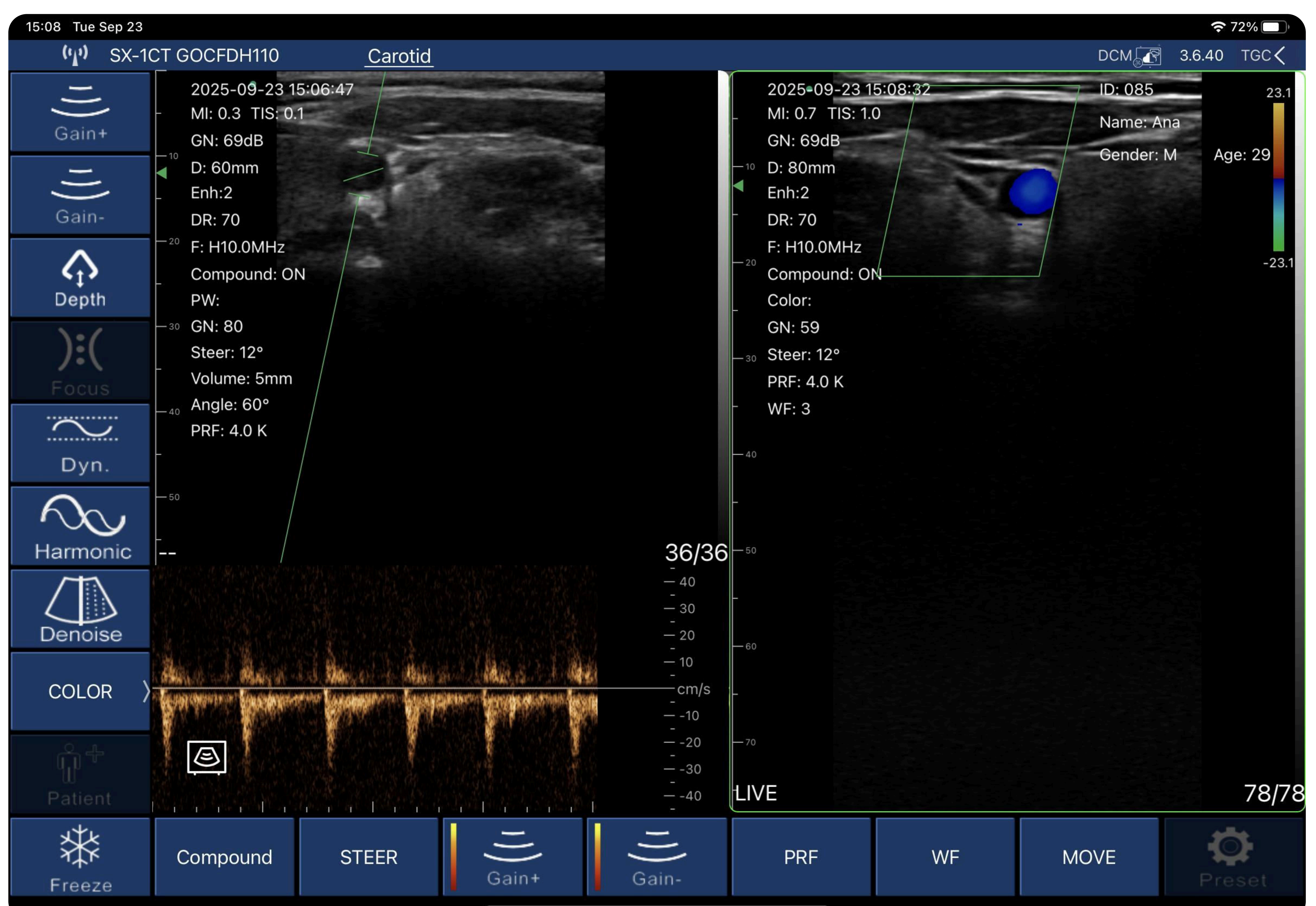
Tap the Dual B button at the lower left corner of the screen to activate Dual B-Mode. In this mode, two B-mode images are displayed simultaneously, allowing comparison of different scan planes, depths, or bilateral organs.

Note: Dual B-Mode is available only on tablet and Windows PC platforms. This feature is not supported on smartphones.

Step 1



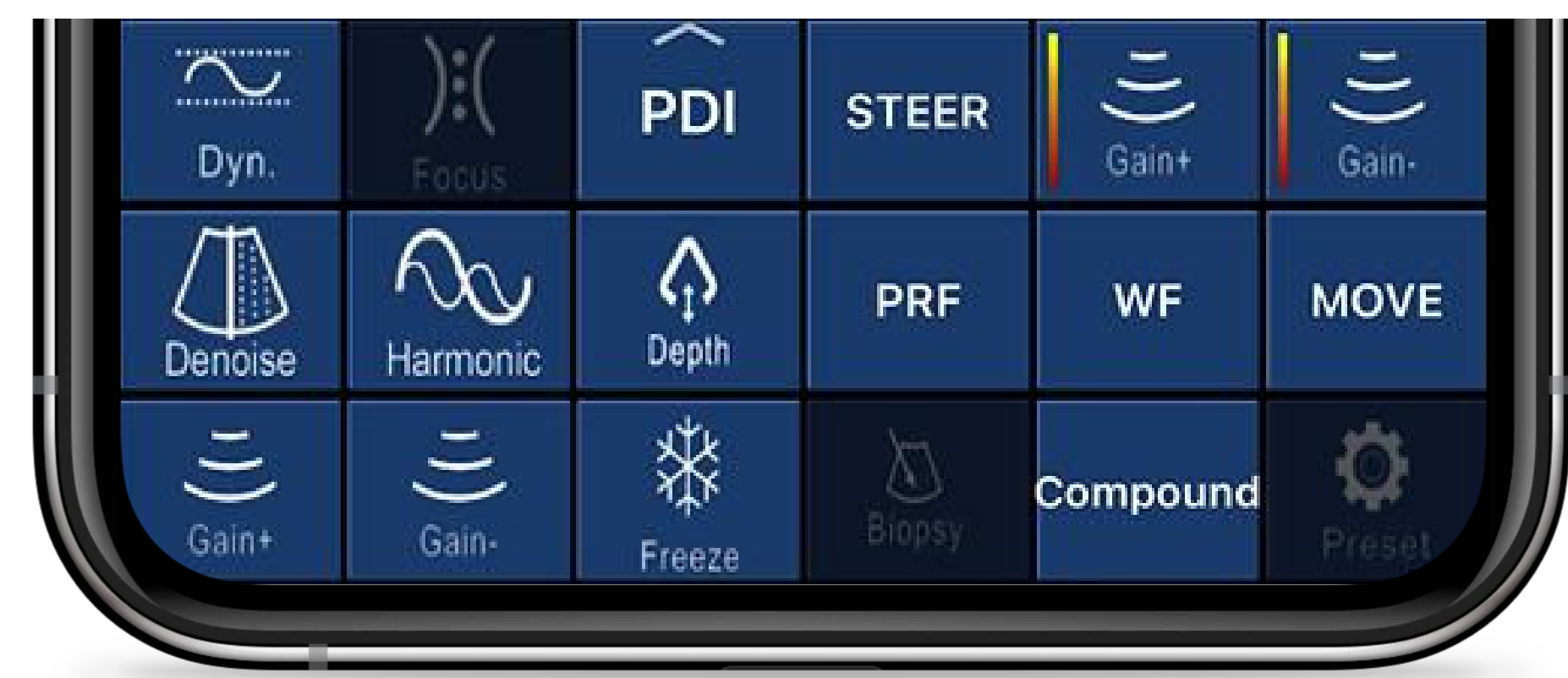
Step 2



3 Color / Power Doppler Controls (Color, PDI)



Color



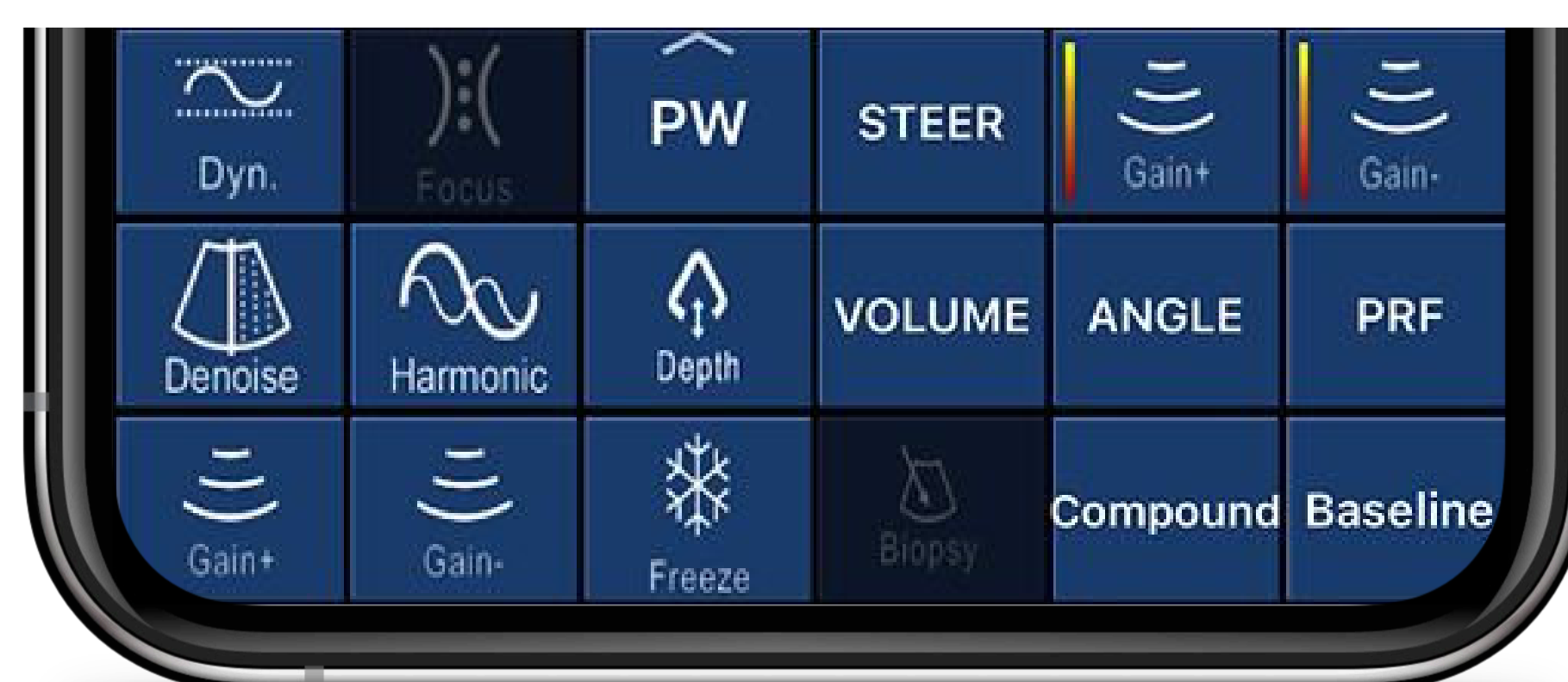
PDI

The following controls are available in Color and Power Doppler (PDI) modes:

- **Steer:** Adjust the orientation of the color sampling frame to align with blood flow.
- **Gain + / Gain -:** Increase or reduce color gain to optimize blood flow visibility.
- **PRF (Pulse Repetition Frequency):** Control flow sensitivity by adjusting the number of pulses per second.
- **Wall Filter (WF)**
Suppress low-frequency tissue motion.
Higher settings reduce slow-moving signals; lower settings reveal more flow detail.
- **Move & Zoom:** Reposition or resize the color sampling frame by dragging on the screen.

💡 Tip: Lower PRF and WF settings help detect slow flow, especially in small vessels.

4 Pulsed Wave Doppler (PW)

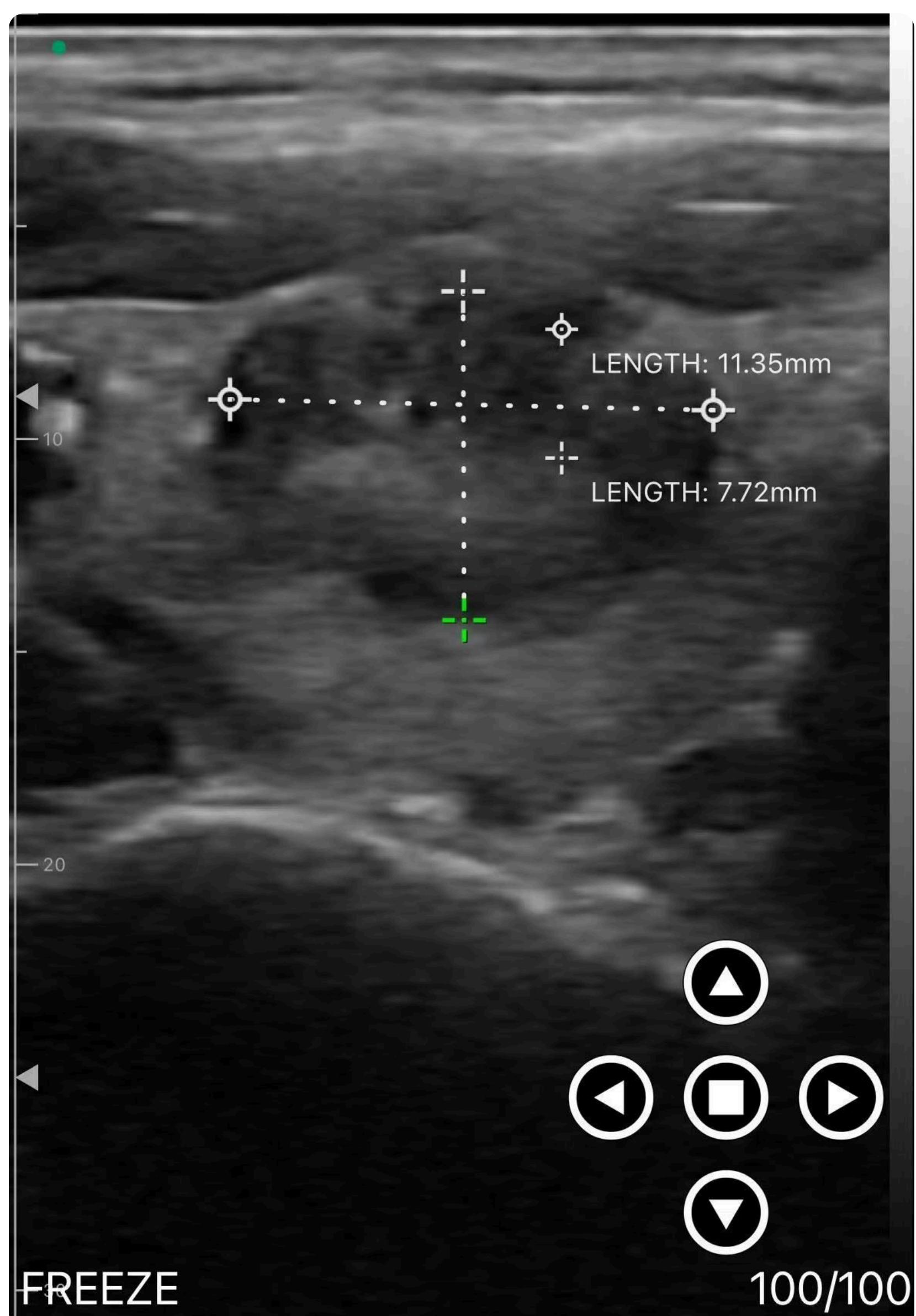


The following controls are available when performing pulsed-wave Doppler analysis within Color Doppler imaging:

- **Gain + / Gain -:** Increase or reduce spectral gain to optimize waveform clarity.
- **Steer:** Adjust the orientation of the Doppler sampling line to better align with blood flow.
- **Sample Volume:** Widen or narrow the sampling gate to define the region used for velocity measurement.
- **Angle Correction:** Modify the Doppler angle in real time to ensure accurate velocity calculation.

💡 Tip: For optimal accuracy, align the sampling line as parallel to the direction of flow as possible.

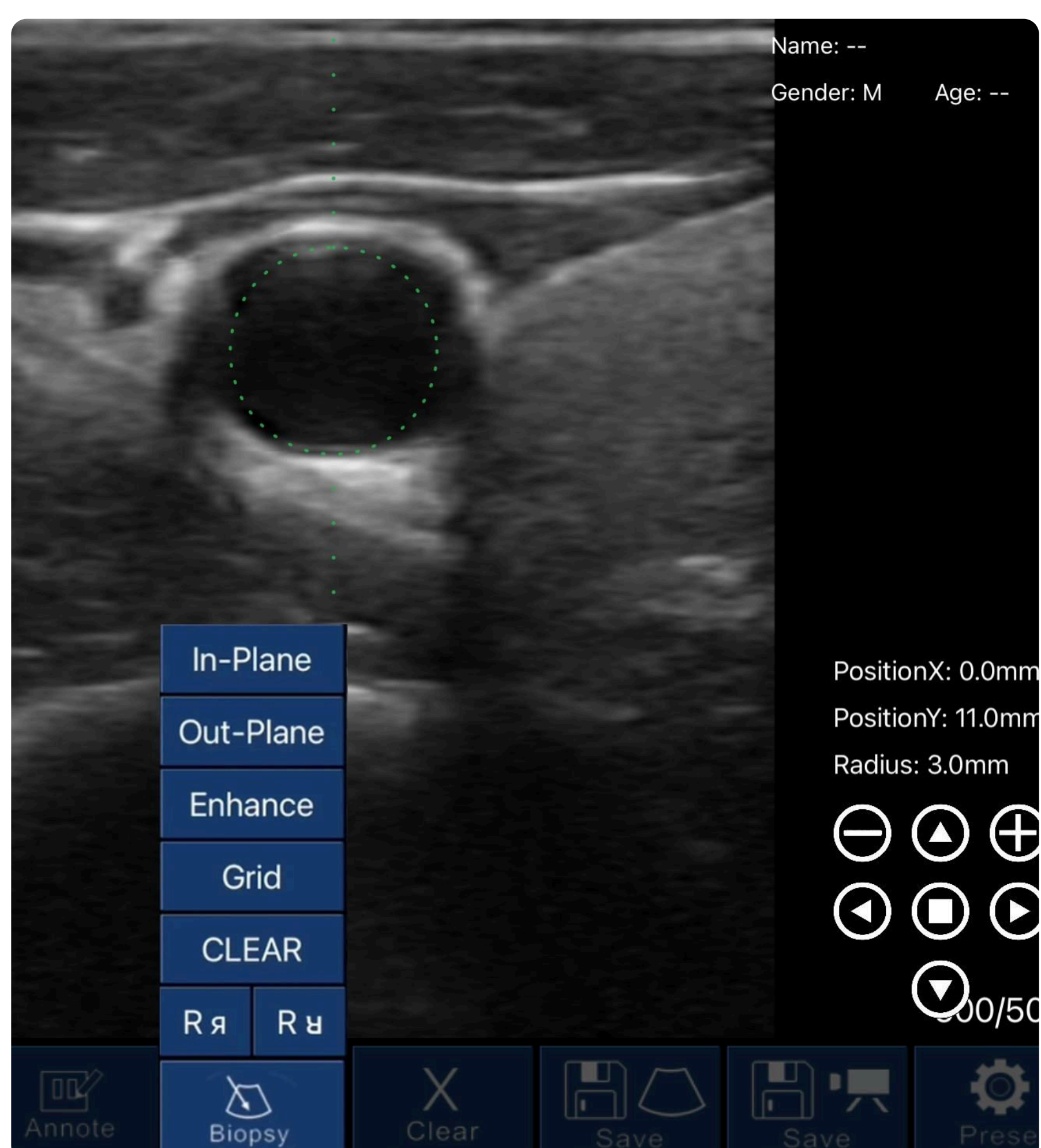
1 Measure with Precision



Quickly capture accurate measurements on your scans:

- **Activate a point:** Tap a marker to select it; it turns green, ready to move.
- **Position it precisely:** Drag the point on the screen or use the arrow buttons for fine adjustments.
- **Lock your selection:** Press the center square button to confirm the placement.
- **Manage measurements:**
 - Remove all at once with the Delete button.
 - Delete individual measurements by clicking the X next to the result.

2 Needle Guidance for Biopsy



Make every puncture precise and confident:

- **In-Plane Guidance:** Adjust the needle angle smoothly with the on-screen arrows.
- **Out-of-Plane Guidance:** Set vessel depth and diameter; live readouts show depth and radius.
- **Needle Visibility Enhancement:** Clearly see the needle tip during procedures.
- **Alignment Grid:** Keep the needle perfectly on target with the overlay grid.
- **Flip Image:** Mirror the view left or right for ideal orientation.



Get help with setup:

info@drsono.com



Read the DRSONO Ultrasound Scanner User Manual for full instructions, symbol glossary, and safety information

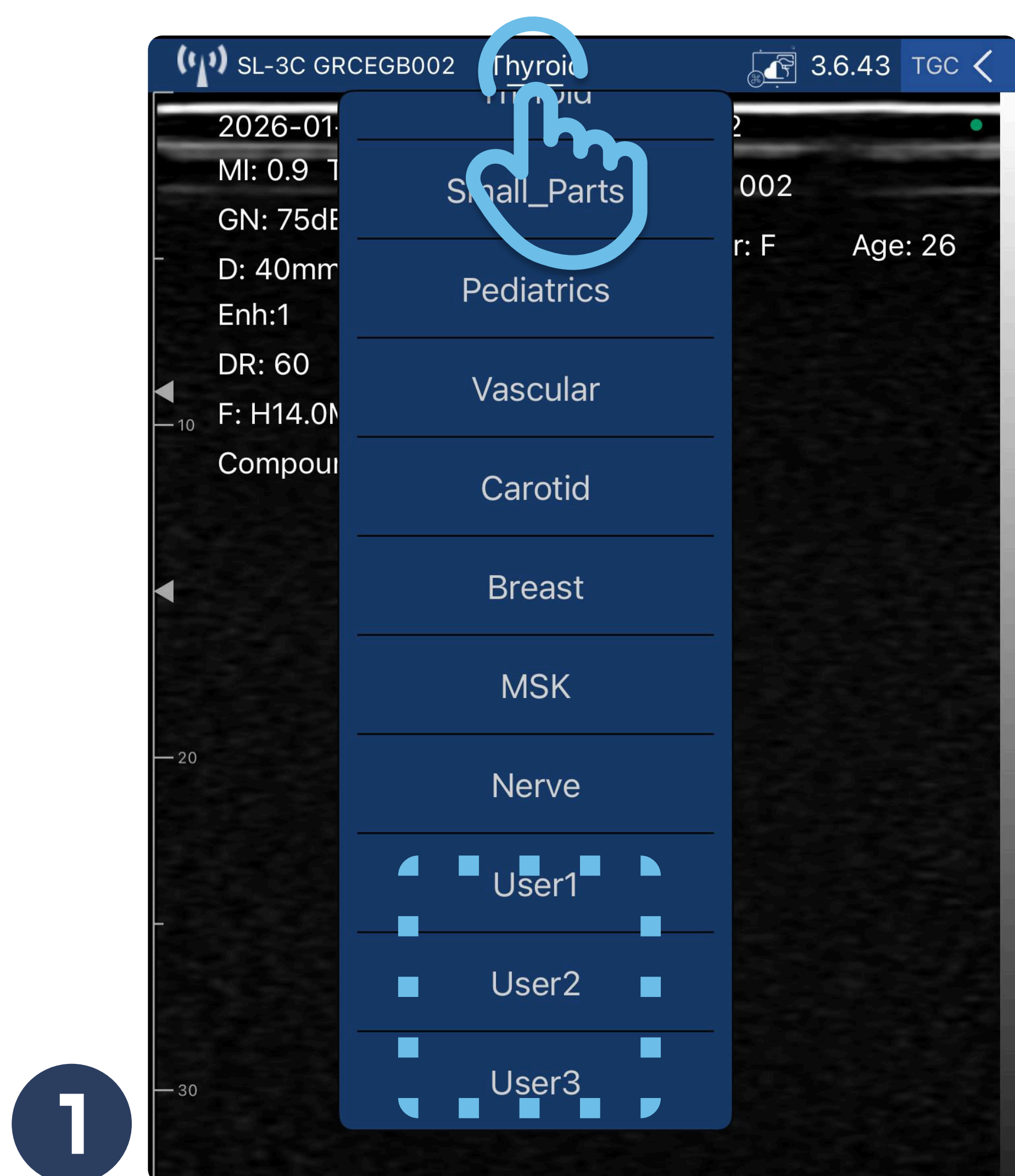
3 Replay Scans to Capture the Perfect Frame



Replay and select the perfect frame for accurate measurement:

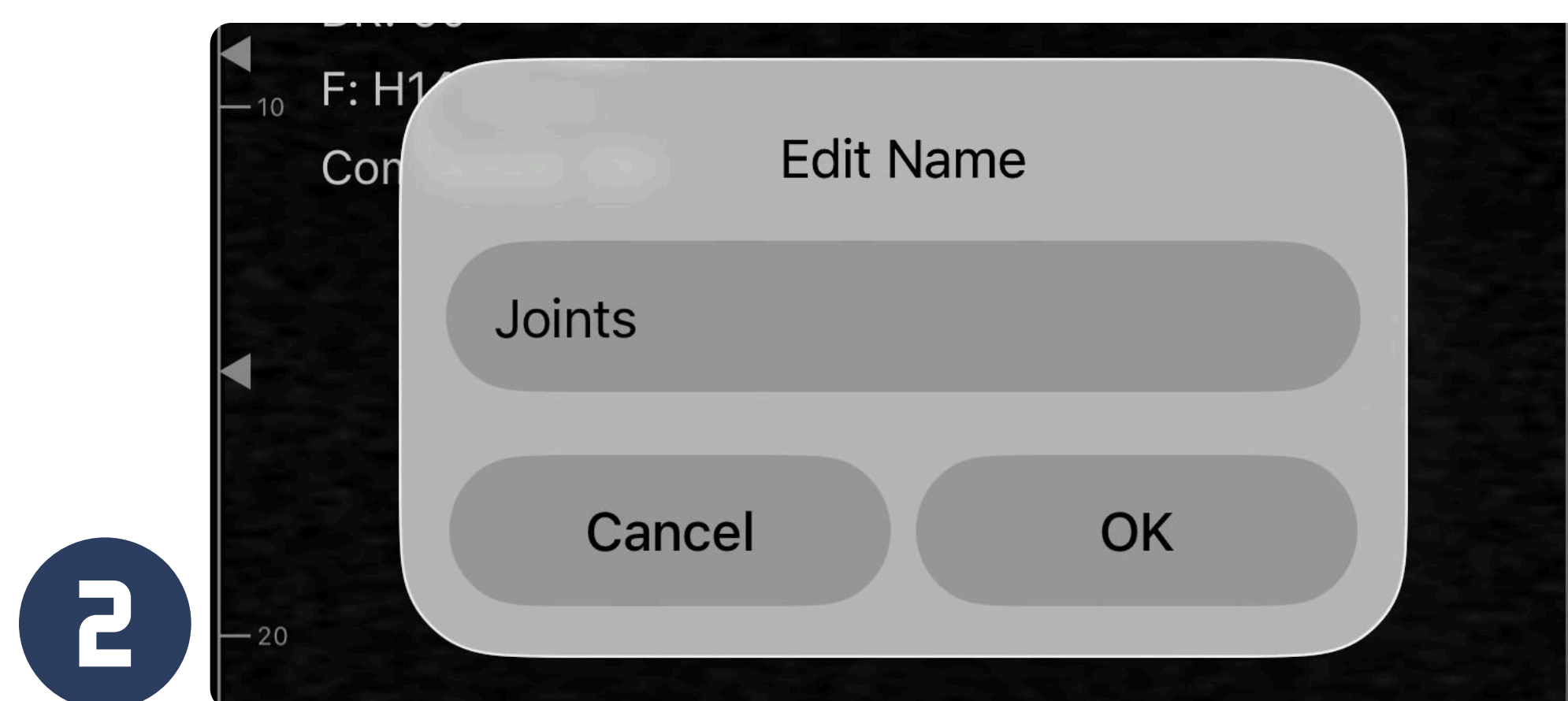
- **Capture the perfect frame:** Unlike Freeze, which may stop at an approximate moment, the Play button lets you automatically play back your last scan and find the exact frame you need.
- **Start or pause playback:** Tap Play to begin or pause playback at any time.
- **See frame details:** The bottom-right corner shows the current frame out of total frames (e.g., 53/113).
- **Navigate frames easily:** Swipe left or right to move through frames and select the key moment for accurate measurement or annotation.
- **Save key frames:** Once you find the desired frame, tap Save to store the image for later review or reporting.

4 Customize Your Own Presets



Save time on repeated exams by storing your preferred scan settings:

- **Open the preset list:** View all available system and user presets.
- **Select a custom slot:** Scroll to the bottom and choose User 1, User 2, or User 3.
- **Rename and save your setup:** Long-press the preset name at the top to customize it. The preset will retain your current scan settings, so you don't need to readjust them next time.



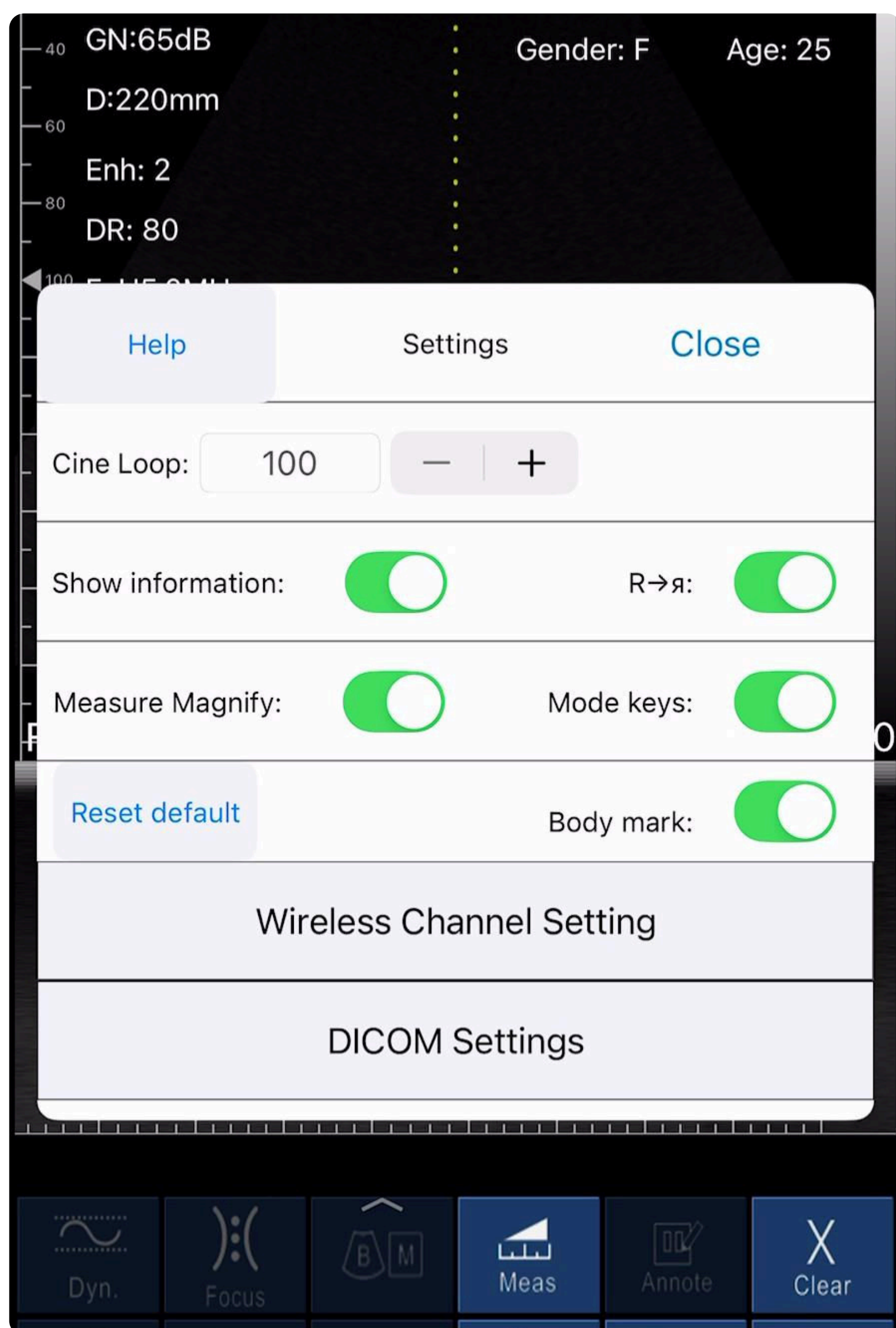
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info@drsono.com



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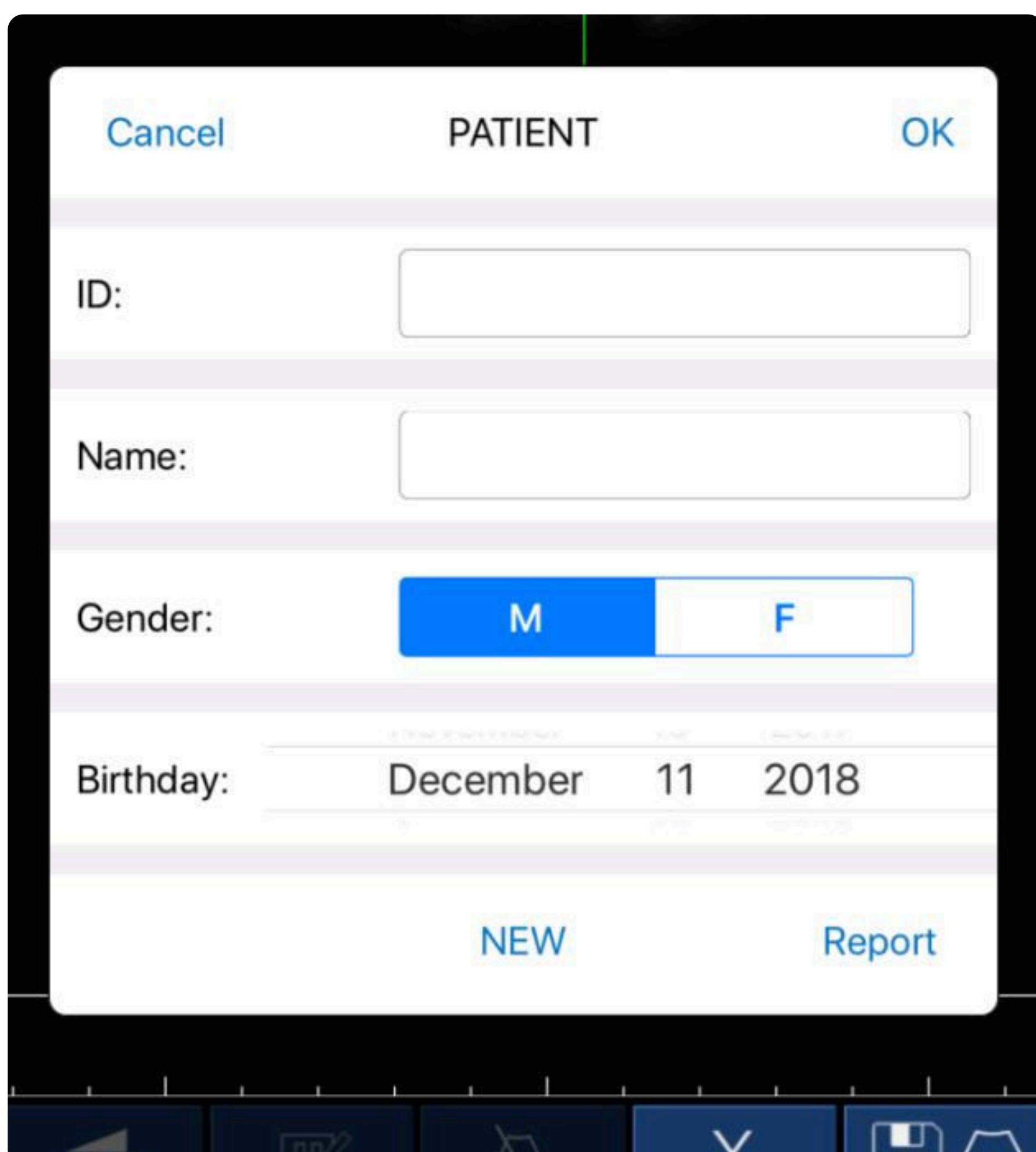
5 Explore Advanced Settings via “Setting”



Access key features instantly:

- **Wireless Channel Setting:** Switch channels in busy Wi-Fi areas. Restart the probe to reconnect.
- **DICOM:** Set up DICOM export and network options.
- **Cine Loop:** Choose video length for saving scans:
100 → 10s | 200 → 20s | 500 → 50s | 1000 → 100s
- **Show Information:** Toggle on-screen data like patient info, time, depth, and gain.
- **Flip Image:** Mirror horizontally for optimal orientation.
- **Measure Magnify:** Turn magnification on/off for precise readings.
- **Mode Keys:** Display all scan modes at the bottom of the screen for quick switching during scanning.
- **Body Mark:** Add anatomical body markers to clearly indicate the scan location.
- **Help:** View a brief user guide and app version.

6 Patient Information Setup



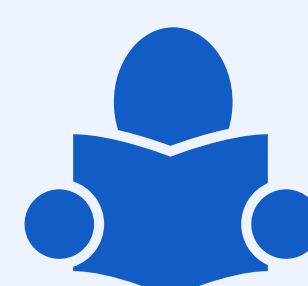
Manage patient records directly within the app:

- **Open Patient Profile**
Tap Patient Info to access the patient management screen.
- **Create a Record**
Enter the Patient ID, Name, and select Gender, then tap Confirm to save.
The patient profile will be added to the patient list.
- **Edit Patient Details**
Select an existing patient from the list and tap Edit to update the information.
- **Start a New Case**
Tap New Case to create a new patient record.
Follow the same steps to enter details and confirm.



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info@drsono.com



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Probe Use, Cleaning & Storage

Apply coupling gel: Always use a medical-grade, standards-compliant ultrasound gel on the probe before scanning.

Use probe covers when needed: Compliant probe covers can be used to reduce contamination risk.

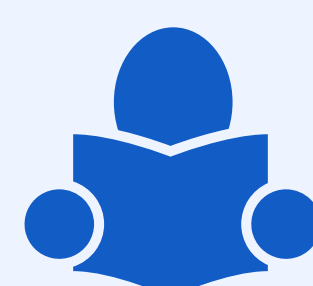
Clean and disinfect after use: Follow standard clinical guidelines. Alcohol-based or strong chemical disinfectants are not recommended, as they may reduce probe lifespan.

Proper storage: After use, store the probe in a clean, dry, and safe environment to protect it from damage.



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info@drsono.com



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