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SONOSITE

Sonosite MT Quick Guide

Turning on the system

Press the power button located on the front of the system.

Starting a study

New patient
1. Tap **Enter** from the startup screen or **+ New Patient** on the touch panel.
2. Enter patient information.
3. Tap **Scan** to start imaging.

All data saved during the study are linked to the patient.

Exam types
1. Select the transducer and exam button.
2. Select a transducer and exam type.
3. Double-tap on the exam type or tap **Scan** to start imaging.

Scanning
- 2D is the default mode. Tap **2D** to return to the default mode.

- Tap **M** to scan in M Mode.
- Tap **C** to scan in color Doppler.
- Tap **D** to scan in Doppler.

M Mode
1. Position the M-line in the 2D image on the monitor touchscreen.
2. To display both the M-line image and M Mode trace, tap **M** again.
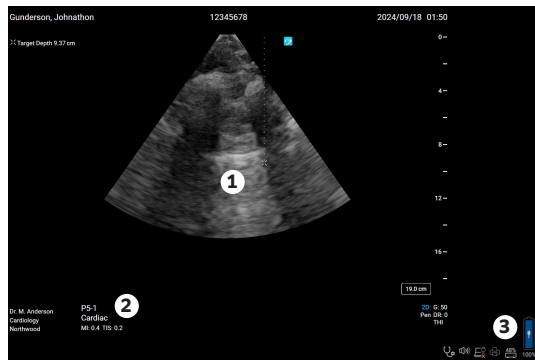3. Tap the image or the trace to toggle controls between them.

Color Doppler
1. Use the **Color Type** control to switch between Color Velocity (CVD) and Color Power (CPD), or CVD and Color Variance (Var), depending on the exam type. You may need to tap **+ More Controls** on the touch panel to find the control.

2. Position the color box by dragging it on the monitor touchscreen.
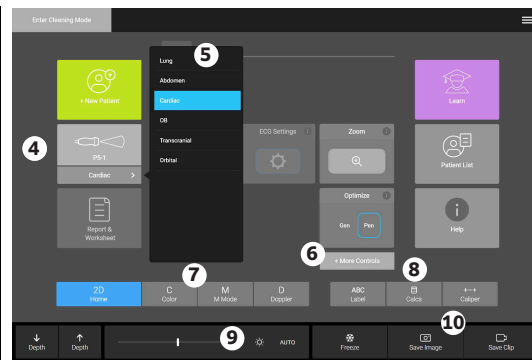3. Tap and drag the circle on the corner to control the size of the color box.

Doppler
1. Use the **Doppler Mode** control to switch between PW, CW, and TDI Doppler imaging (CW and TDI are available only in the cardiac exam). You may need to tap **+ More Controls** to find the control.
2. Position the D-line and gate in the 2D image on the monitor touchscreen.
3. To display the spectral trace, tap **D** again.
4. Tap the image or the trace to toggle controls between them.

Clinical monitor

Touch panel

Key
1. Clinical monitor and touchscreen
2. Exam type
3. Battery level and connections
4. Study, patient, and reports
5. Transducer exam type menu
6. More controls
7. Modes
8. Labels, Calcs, Calipers
9. Gain and cine controls
10. Save buttons

11. Power button
12. HDMI, ECG, Ethernet, power ports

Front and back of system

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Gain

Adjust the gain by doing one of the following:
- Adjust the slider on the touch panel.
- Tap **AUTO** on the touch panel to automatically adjust the gain.

Depth

- Use the slider on the touch panel or tap the depth ↑ and ↓ buttons.

Freezing, unfreezing, and using cine

1. Tap the ❄ button. The CINE display appears in the bottom-left corner of the monitor touchscreen.
2. To scroll through the cine frames, drag your finger horizontally on the monitor touchscreen right or left to move forward or backward through the frames. To move frame by frame, tap ▶ or ◀.
3. To unfreeze, tap the ❄ button again.

Zoom

Live Zoom

1. Tap **Zoom** on the touch panel. You may need to tap **+ More Controls** on the touch panel to find the control.
2. Position the zoom box by dragging it on the monitor touchscreen.
3. Tap and drag the circle on the corner to control the size of the zoom box.
4. Tap the control again to zoom.

Frozen Zoom

1. On a frozen image, tap **Zoom** on the touch panel. You may need to tap **+ More**

Controls on the touch panel to find the control.
2. Tap up or down on the control to adjust the magnification.
3. Pan the image on the monitor touchscreen.

Measurements and calculations

Measurements

1. On a live or frozen image, tap the caliper ⁺⁻⁺ button.
2. Position the default calipers on the monitor touchscreen or select a different measurement from the touch panel.
3. Tap a caliper on the monitor touchscreen to switch between calipers.

Calculations

1. On a live or frozen image, tap the calculation ▦ button to display analysis packages.
2. Navigate to and select a measurement from the touch panel.
3. Position the calipers on the monitor touchscreen.
4. Tap a caliper on the monitor touchscreen to switch between calipers.

Labels

1. Tap **ABC** to display the labeling page.
2. Tap **Text**, **Picto**, or **Arrow** to add text, pictographs, or arrows to the image.
3. Position the label on the monitor touchscreen.

Saving and reviewing

- Tap the ⬜ button to save an image and current measurements and calculations. Calculations and associated measurements are also saved to the patient report.
- Tap the ⬜ button to save a clip.
- Tap thumbnail images to access the review screen or tap **Patient List** to view a different study. (You can find this option on the main touch panel, at the bottom of the patient or report form, or from the menu ☰.)

Ending and exporting

1. End the study by tapping **END STUDY**. Open studies cannot be exported.
2. Insert a USB storage device into a USB port on the system or stand.
3. Tap **Patient List**. Select a study or studies to export.
4. Tap **Send to**, then tap **USB**.
5. Select the USB drive from the list, and choose whether to include patient information.
6. Tap **Export**.

Help and Learn

- Tap an ⓘ to access on-board help or tap **Help** from the system menu ☰.
- Access the Learn feature to view training and procedural videos.

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Any patient. Anywhere. Anytime.