HOW TO GET CREDIT FOR DOING ULTRASOUNDS IN THE ED

Sonosite M-Turbo

Step 1: Enter patient info

- After Turning on the machine, push the “patient” button on the ultrasound keypad to get patient info screen
- Select the button under “New/End”
- Required information: Last Name, First name, MRN
- **NEW** On this same screen, enter your unique user ID where it says User.
  - If you were EDUS0R01, your User ID is now R01.
  - If you were EDUS0A01, your User ID is now A01.

Step 2: Select the exam type

- Abdominal, Cardiac, OB, etc.

Step 3: Select

Step 4: Perform ultrasound

- Save clips and images
- Refer to the attached cards for what specific views you need
to get credit.

- You no longer have to label structures/findings as you go, but be sure to include where in the body you are: i.e. right, left, etc.

**Step 5: Put your interpretation**

- After scanning, remove probe from patient, clean the transducer, and hit **FREEZE** to create a blank screen
- Push “Text” key and type your interpretation onto the screen
  - Example: No hydronephrosis left kidney, mild right hydronephrosis
- Once you have typed your interpretation, hit **SAVE** button on ultrasound keypad

**Step 6: End Exam**

- Hit the **PATIENT** button on the right of the keyboard
- Select "NewEnd"

**MAKE SURE YOU DO THIS EVERY TIME YOU BRING THE MACHINE INTO A ROOM!! NO PHANTOM SCANS!**
Zonare Z.one Pro

Step 1: Power Up

- Plug the machine in and turn it on by pressing the Power Button on the bottom right of the tower, near where the transducers plug in.

- When you are scanning, always make sure the machine is plugged in.

Step 2: Enter Patient Info

- Press the New Patient button at the top left hand corner of the keyboard.

- Enter the patient info (you can use the tab button to switch between fields)

- Required information: Last Name, First name, MRN

- As with the Sonosite, you enter your abbreviated Username (ex: R04) into the Operator

Step 3: Select Exam Type

- You can also choose your transducer and exam at this point by using the dropdown menus at the top.

- After you fill in the required information, you will select Exit at the bottom left of the screen by using the trackball and hitting Set.

- To get the info screen to cover the entire screen, hit F1 key
Step 3: Selecting Transducer

- If you did not select the correct probe while entering patient information, you can select the **Transducer** button at the top right.

- The probe choices will appear above the Hot Keys on the upper left side of the user interface.

  - The standard probes are:

    - **P 4-1c**: Phased Array Probe (best for Cardiac, also used for FAST, RUQ, Lung)
    - **C 4-1**: Curvilinear probe (best probe for all abdominal applications)
    - **L 8-3**: Linear probe (best for superficial, vascular access, skin/soft tissue)

- If you need to select a different exam, press the **Exam Type** button.

  - This will open up a menu on the top left of the screen with a drop down list of exam types for that probe.

  - Use the track ball to highlight the correct exam, then hit **Set**

Step 4: Optimizing Image

- Once you set up the correct exam type and probe, you’re ready to scan.
Press and hold the **Optimize** button in the middle of the User Interface for 2 seconds

- This will create the optimum gain and other settings to create the optimal image
- You still may want/need to make small adjustments to the image
  - To change the **GAIN**, twist the **B** knob
  - To change the **NEAR/FAR** gain, slide the Time Gain Compensation on the right.
  - To change the **DEPTH** tap up or down on the depth button

### Step 5: Annotating

- You will need to demonstrate where you are in the body or what plane you are in before saving your ultrasound in order to get proper credit.
- You can add text to the screen by either pressing the **Text** button or by simply tapping the spacebar.
- You can use the trackball to move the
• There are also quick keys that will type Right and Left for you on the bottom right of the keyboard.

**Step 6: Saving**

• You can save clips by tapping the **Clip** button while scanning.
• You will hear a beep at the beginning and end of the clip.
• You can save still images by either hitting the **Freeze** button and then tapping the **Still** button on the right or you can press **Still** at any time while scanning.

**Step 7: Put your interpretation**

• Just as described for the Sonosite, when you are finished scanning, remove the probe from the patient and save a blank screen by pressing **Freeze** on the machine.
• Before you save, use either the **Text** button or press **Spacebar** and type your interpretation
  • ex: No FF in RUQ, LUQ, no FF in Pouch of Douglas, no pericardial effusion, negative FAST
  • **MAKE SURE YOU SAVE AFTER YOU TYPE YOUR INTERPRETATION!**

**Step 8: End Exam**

• On the top of the keyboard, press **End Exam**
Other Functions

Color Doppler: Press the button in the center of the C dial to activate color doppler. You can increase or decrease the gain of the color doppler by turning the dial right or left. To turn off color doppler, press the center of the B dial to return to B-mode. For Power doppler, press the button above the knob labeled PDI.

M-Mode: Press the button in the center of the M dial to activate M-Mode. To turn off M-Mode, press the center of the B dial to return to B-mode.

Measuring: To measure an object, press Freeze, then press Meas. This will pull up one caliper. You can toggle between both sides of the caliper by pressing set. This will freeze one side of the measurement and allow you to move the other. If you need another caliper press Meas again. When you are finished measuring, be sure to press the Still button to save the measurements.

Calculations: This will be used primarily for calculating bladder volume. If you are in abdomen, there will be a bladder volume calculator that will pop up after you hit Freeze, then Calc. Using the trackball, select Volume. You will then have to do THREE MEASUREMENTS. Freeze the image of the bladder in the transverse plane and press Calc. Once you have chosen bladder volume, a set of calipers will appear. Measure the AP diameter of the bladder with the first caliper, then press ENTER (not Set). This will give you a second caliper, which you will use to measure the Width of the bladder, then hit ENTER a second time. At this point you will have to unfreeze the image and Freeze an image on the bladder in the long axis. Measuring Left-to-Right, you will measure the Depth of the bladder, then hit ENTER a third time. The volume will then be calculated, hit SAVE.

There are many more functions of this machine. If you have any questions, ask any of us. Don’t get scared of the buttons, it is just as easy to use as any machine, if not easier!!