



Indications:

- Any patient who may benefit from prehospital use of ultrasound evaluation
 - Trauma- EFAST examination
 - Cardiac arrest- Cardiac standstill evaluation
 - Procedural- IV placement

Contraindications:

- None

Procedure:

1. Identify patient that would potentially benefit from the use of prehospital ultrasound.
2. Select the most appropriate preset examination within the device and the correct side of the transducer will automatically be engaged.
3. Ensure a sufficient amount of ultrasound gel is applied to the transducer. If there is not enough gel then you will not get a good image on the device.
4. Scan the pre-determined area (depending on the examination you are performing). Ensure you visualize the entire area, because with ultrasound, the image you are visualizing is only a thin representative plane of that area. It is vital that you scan all planes to ensure you perform an accurate examination.
5. Save one representative image of that area to document that the examination was performed and the exam was negative or positive.
6. When evaluating for cardiac standstill save 1 cine clip (video) to document the examination.
7. As soon as feasible save the images from the device to your computer and attached them to the PCR.

Considerations:

- Evaluation for cardiac standstill during cardiac arrest should not cause extended peri shock pauses. This evaluation should not occur until all other pertinent procedures have been performed.
- EFAST examination should not delay transport to definitive care. This procedure should be performed while transporting to a trauma center.
- Transport from the scene to the ER should not be delayed awaiting an ultrasound device to arrive.