

Trauma e-FAST Process

Maxwell Thompson MD

1/11/2024

e-FAST in Trauma Protocol

- Indicated in thorax-abdominal trauma (blunt or penetrating)
- Should take 30-90s
- Level 1 (or unstable):
 - Perform in primary survey
- Level 2:
 - Perform in secondary survey (before CT)
- May not be indicated in stable transfers (who have been imaged) or isolated extremity trauma



Order of Scans

Blunt Trauma

1. RUQ
2. LUQ
3. Pelvis
4. Subxyphoid
5. Lung*

*note: lung windows can be performed earlier if concerned for PTX based on thoracic trauma

Penetrating Trauma

1. Cardiac (subxyphoid vs parasternal)
2. Lung
3. RUQ
4. LUQ
5. Pelvis

e-FAST Process

- Prior to arrival, machine to be prepared
 - “Trauma FAST POC US” order placed by RN
 - Appropriate doe name selected on machine
 - Can be done by RN, PCT or MD
- Scans performed
- **Study ended on machine**
- Note created
- Studies reviewed for quality and billed

EM Procedure Day (Odd Days)

- EM Resident to perform scans
- Use “ED Procedure Note” Template to send US note with any additional procedures to EM Attending

* Procedure <Hide Structure> <Use Free Text>

Procedure	
Type	A-line / Arthro / Cardioversion / Chest Tube / CPR / CVL / Epistaxis / Intubation / I & D / Lac Repair / LP / OUD MAT / Para / Procedural Sedation / Splints & Reductions / US / US PIV
* ED Ultrasound	
Time	Date/time=== / Other
Consent	Patient / Legal guardian / Responsible party === / Emergent / Verbal / Signed / Other
* Indication	Abdominal pain / Abscess/infection / Chest pain / Flank pain / Leg pain/swelling / MSK injury / Pregnancy / Procedural guidance / RUQ abdominal pain / Shortness of breath / SBO / Trauma / Urinary retention / Vision loss / O
* Exam type	Aorta / Cardiac / DVT / FAST / GI / GU / Lung / MSK / OB / Ocular / Procedure / RUQ abdomen / Soft tissue / TEE+ / Other
* Findings	<p>-No free fluid seen in RUQ, LUQ or Pelvis</p> <p>-No pericardial free fluid seen</p> <p>-Bilateral lung sliding on anterior chest</p> <p>-No pleural fluid seen M / DESCRIBE M</p>
Performed by (rpt) >>	Resident / PA / NP / Physician search / Other
* Images saved	Yes / No
Notes	Notes

Procedure <Hide Structure> <Use Free Text>

Procedure	
Type	A-line / Arthro / Cardioversion / Chest Tube / CPR / CVL / Epistaxis / Intubation / I & D / Lac Repair / LP / OUD MAT / Para / Procedural Sedation / Splints & Reductions / US

eFAST Neg

More...

Addendum <Hide Structure> <Use Free Text>

****Attending Only****

Attestations >>	Resident / Student / Scribe / Ultrasound / Procedure / Critical Care / Not Staffed APP (additional attending documentation still required)
Additions/Exceptions	FREE-TEXT

EM Lead Days (Even Days)

- Scan to be performed by trauma resident
- Documentation to be included in Trauma note
- EM Resident will supervise trauma resident in performing exam

GE Venue GO General Instructions for Trauma

Maxwell Thompson, MD
UABEM 1/3/2024

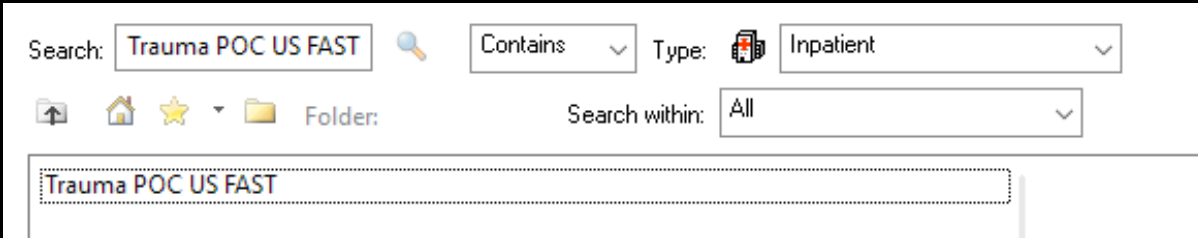
Venue GO- Overview



1. AC mains power indicator & Battery status display
2. System identification and power status stripe indicator
3. System's Physical Power ON/OFF button

Starting a new study

1.

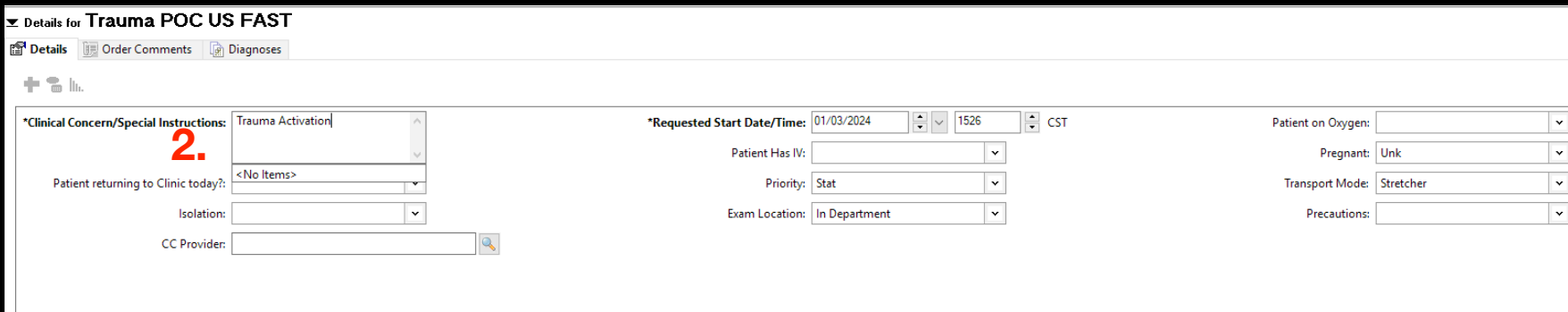


Search: Trauma POC US FAST Contains Type: Inpatient

Folder: Search within: All

Trauma POC US FAST

2.



Details for Trauma POC US FAST

Details Order Comments Diagnoses

*Clinical Concern/Special Instructions: Trauma Activation

*Requested Start Date/Time: 01/03/2024 1526 CST

Patient Has IV: Patient returning to Clinic today?: <No Items>

Isolation: CC Provider:

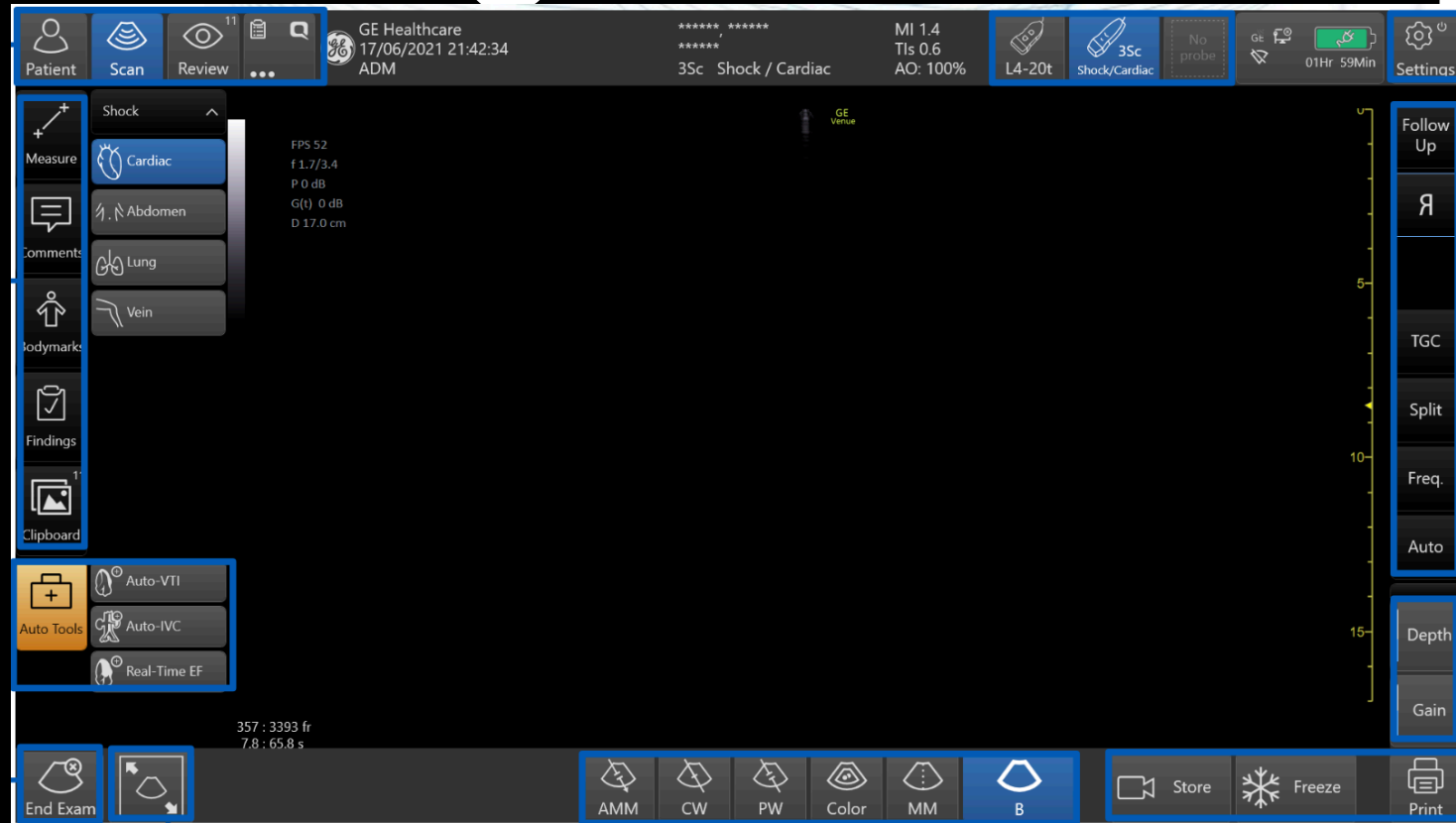
Priority: Stat Exam Location: In Department

Patient on Oxygen: Pregnant: Unk Transport Mode: Stretcher Precautions:

1. Order “Trauma POC US FAST” in EMR
2. Enter “Trauma activation” or similar into clinical concern field

Starting a new study

3.



3. Select “Patient” in top left corner to enter new patient information*

*note: if a prior exam has not been ended, select “End Exam” prior to entering into a new study

Starting a new study

UAB ED VGO 5
08/07/2023 12:25:29

L4-12t Artery / Vasc Access MI 1.1
TIs 0.1 AO: 100%

L4-12t Artery/Vasc Access 3Sc C1-5 01Hr 14Min Settings

4.

Current Patient Local Archive Work List Ext. Sources

Patient ID Auto ID

Last Name

First Name

Birthdate mm/dd/yyyy Age

Gender Perf. Phys. Search...

Attending Resident

Extended Patient Data

Shock >

Lung >

eFAST >

Artery v

Vasc Access GE

Carotid GE

Lower GE

Upper GE

Abdomen >

Config

End Exam Login Begin Exam

q w e r t y u i o p [] \ Del ↑

Shift a s d f g h j k l ; ' ←Enter ← ↓ →

123 Tab z x c v b n m , . / Lang

4. Select “Work List”

Starting a new study

UAB ED VGO 5
08/07/2023 12:25:57
ADM

L4-12t Artery / Vasc Access

MI 1.1
TIs 0.1
AO: 100%

L4-12t Artery/Vasc Access

3Sc

C1-5

01Hr 14Min

Settings

Current Patient Local Archive **Work List** Ext. Sources

Filter by Patient ID

Filter by Last Name

Filter by First Name

Clear search

From 08/07/2023

To 08/07/2023

Today's Exams

Refresh

Last Name	First Name	Patient ID	DOB	Exam Type	Accession No.	Sched. Date	Sched. Time
				ED POC US	US230050872	08/07/2023	11:33
				ED POC US	US230050863	08/07/2023	11:16
				ED POC US	US230050836	08/07/2023	10:25
				ED POC US	US230050828	08/07/2023	10:09

End Exam

Logged in as ADM

Logout

Begin Exam

5.

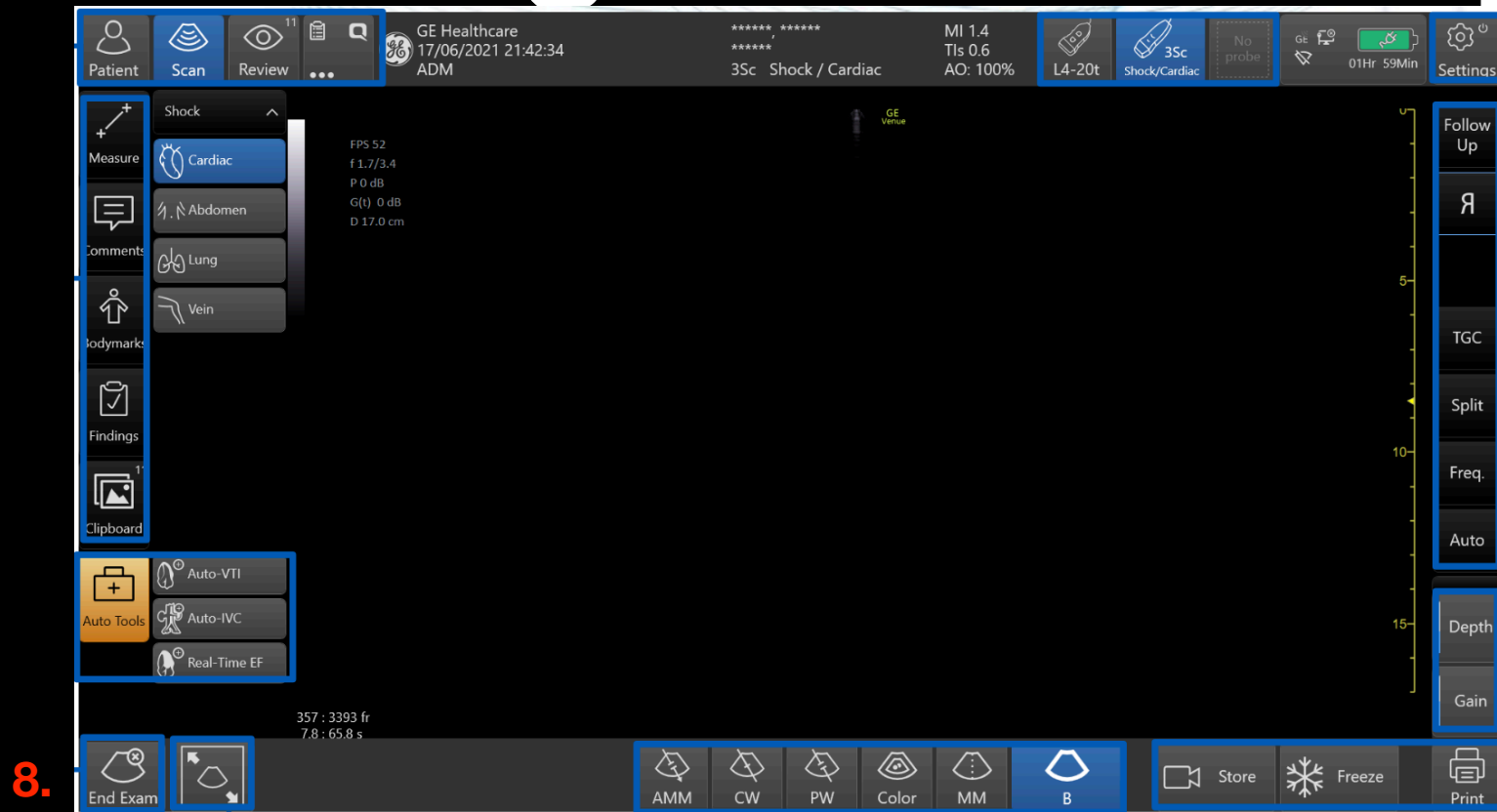
5. Find the correct patient*

6. Select "Begin Exam"

6.

*The studies are displayed based on the most recent order. If you do not see any studies, be sure that the date is correct. Close to midnight you may need to press "Today's Exams" to find the correct patient.

Starting a new study

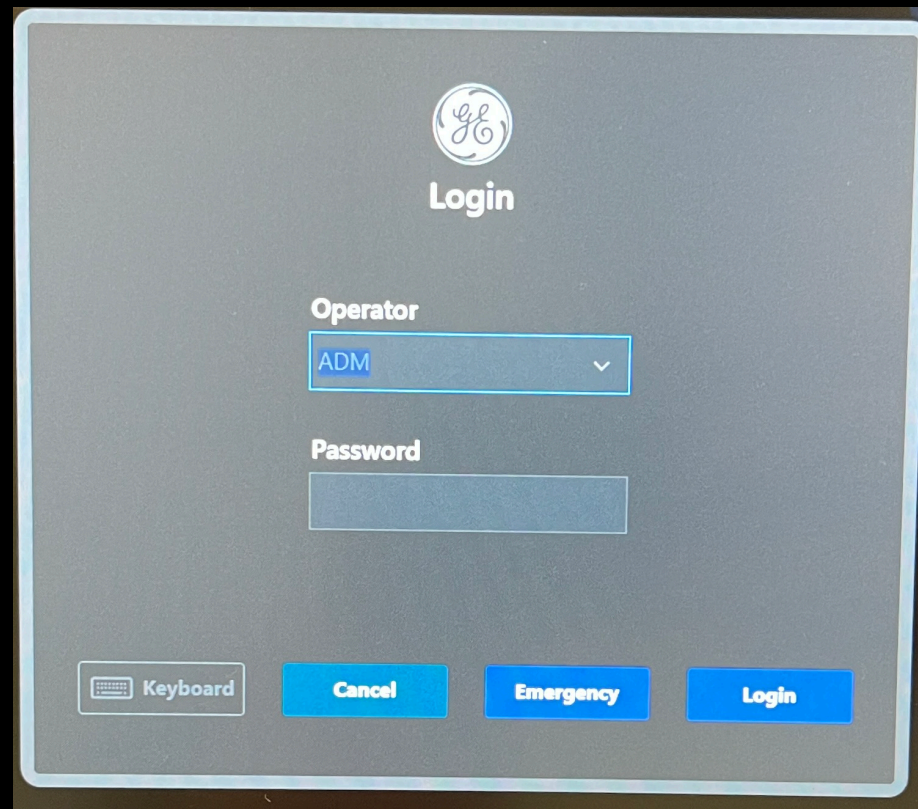


7. Scan away!

8. Select “End Exam” to complete your study

FAQs

“Help, the ultrasound is asking me to log in!”

A photograph of a GE medical device login screen. At the top center is the GE logo, a circle with 'GE' inside, and the word 'Login' below it. Below the logo is a label 'Operator' followed by a dropdown menu showing 'ADM' with a small downward arrow. Below that is a label 'Password' followed by an empty rectangular input field. At the bottom of the screen are four buttons: 'Keyboard' (with a keyboard icon), 'Cancel', 'Emergency', and 'Login'. The screen has a light blue border and a grey background.

GE
Login

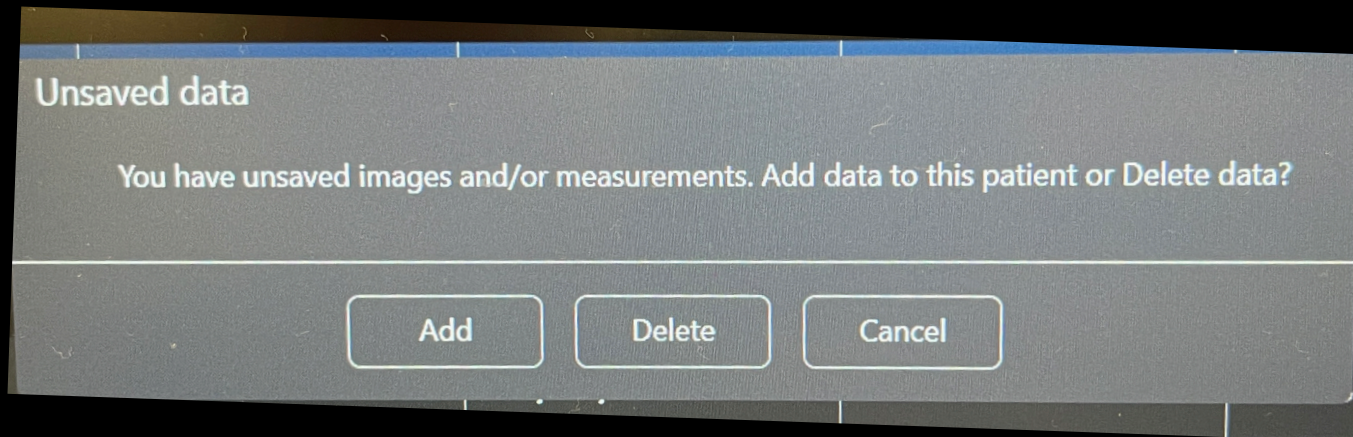
Operator
ADM

Password

Keyboard Cancel Emergency Login

- If you encounter this screen, just select “Login”. The password field is left blank.

“I forgot to order the study”



- If a study is done emergently and there was no time to put the order in before the patient was registered, you are able to add the information after the fact.
- Step 1: Do not end the study
- Step 2: Enter the order in the EMR as per usual.
- Step 3: Select Patient followed by Worklist and choose the correct patient (steps 3-6 above)
- Step 4: When prompted, choose the “Add” option
- End Study as usual