The new

# LOGIQ e

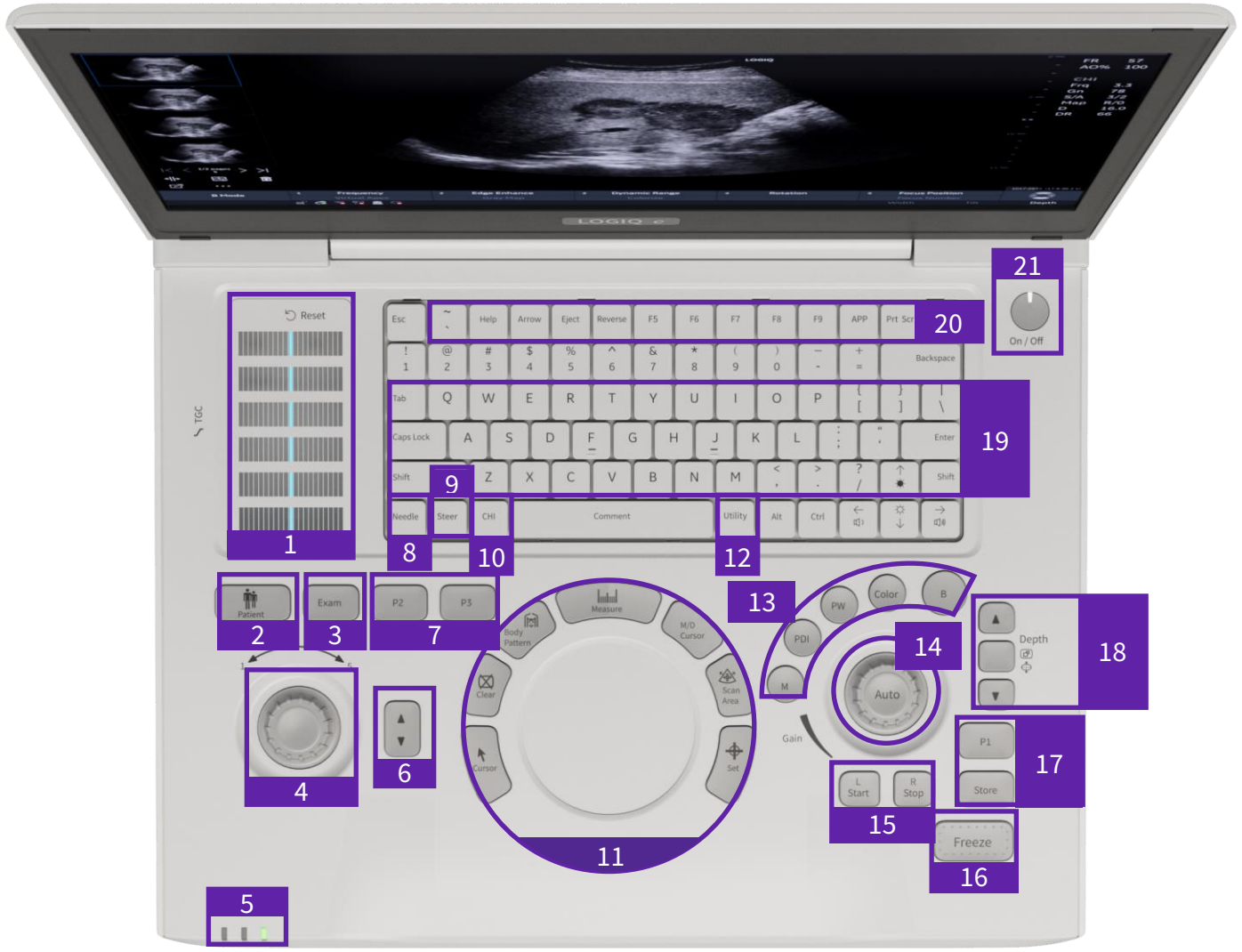
## Quick Cards


GE HealthCare



*The Quick Card does not replace the User Manual. Please refer to the User Manual for detailed information.*

# System with trackpad

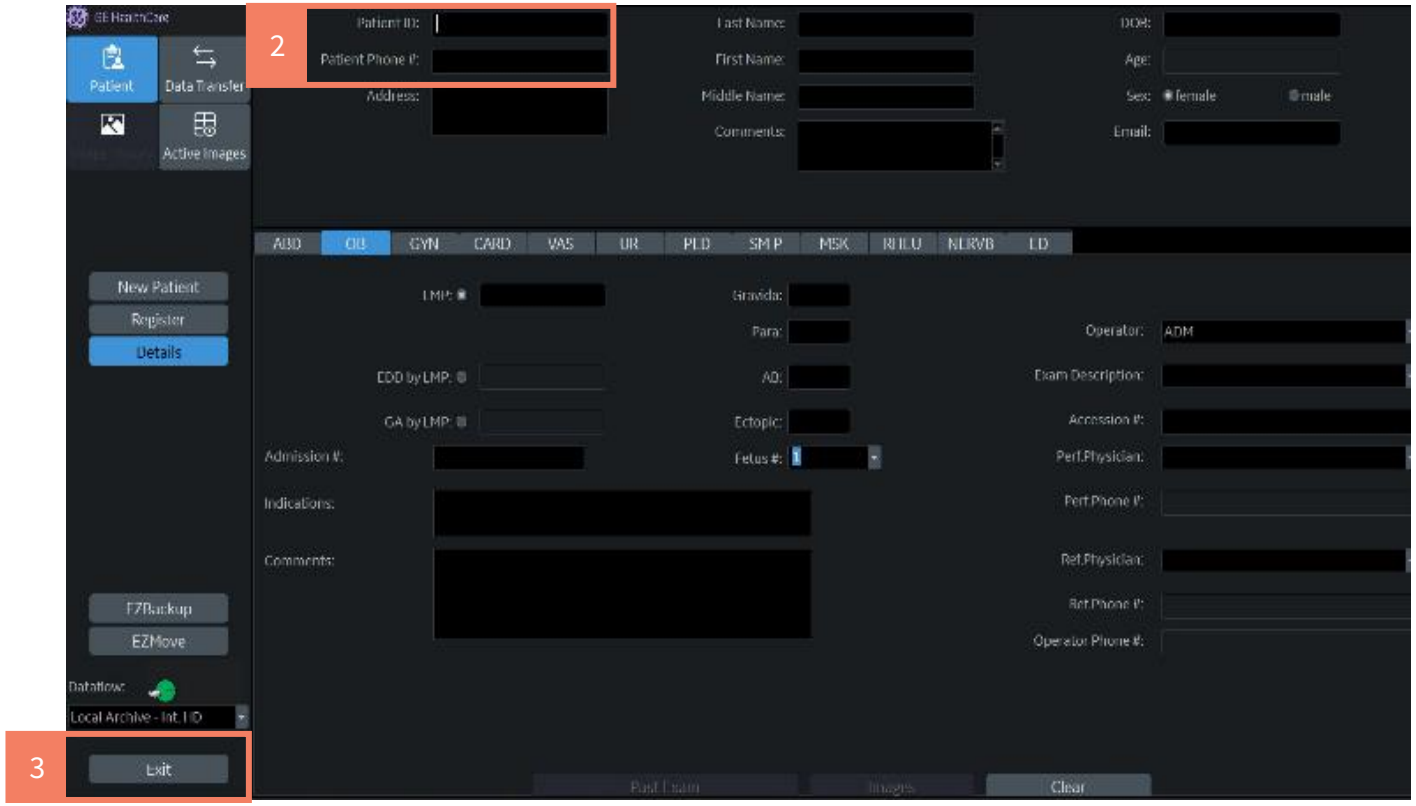



1. Digital time gain compensation (TGC)
2. New patient
3. Exam
4. Sub menu rotary dial
5. Battery status indicators
6. Sub menu up/down keys
7. Programmable image store keys
8. Needle
9. Steer
10. Coded harmonic imaging (CHI)
11. Trackball/Trackpad keys: Cursor, Clear, Body Pattern, Measure, M/D Cursor, Scan Area, Set
12. Utility
13. Mode keys
14. Gain/Auto/Key
15. Panoramic Start/Stop or Split Screen
16. Freeze
17. Programmable image store keys
18. Depth/Zoom/Ellipse Key
19. Alphanumeric keyboard
20. Function keys
21. Power on/off

# Starting an exam

1. Press the Patient key

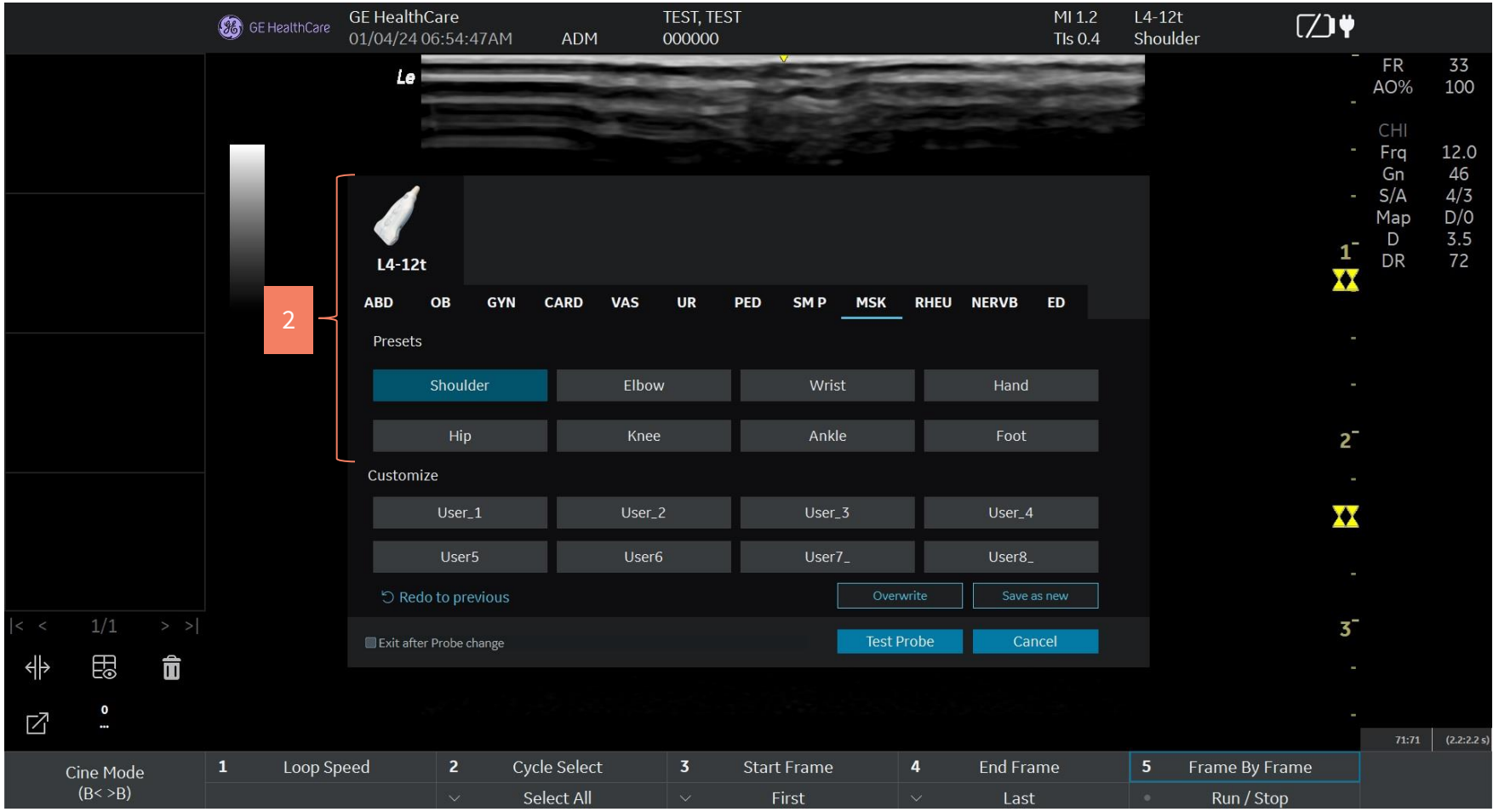

2. Enter Patient ID and Name (A patient ID must be entered to store images. All other entries on the page are optional)
3. Select Exit to exit patient page



# Selecting a probe/preset

1. Press the Exam key

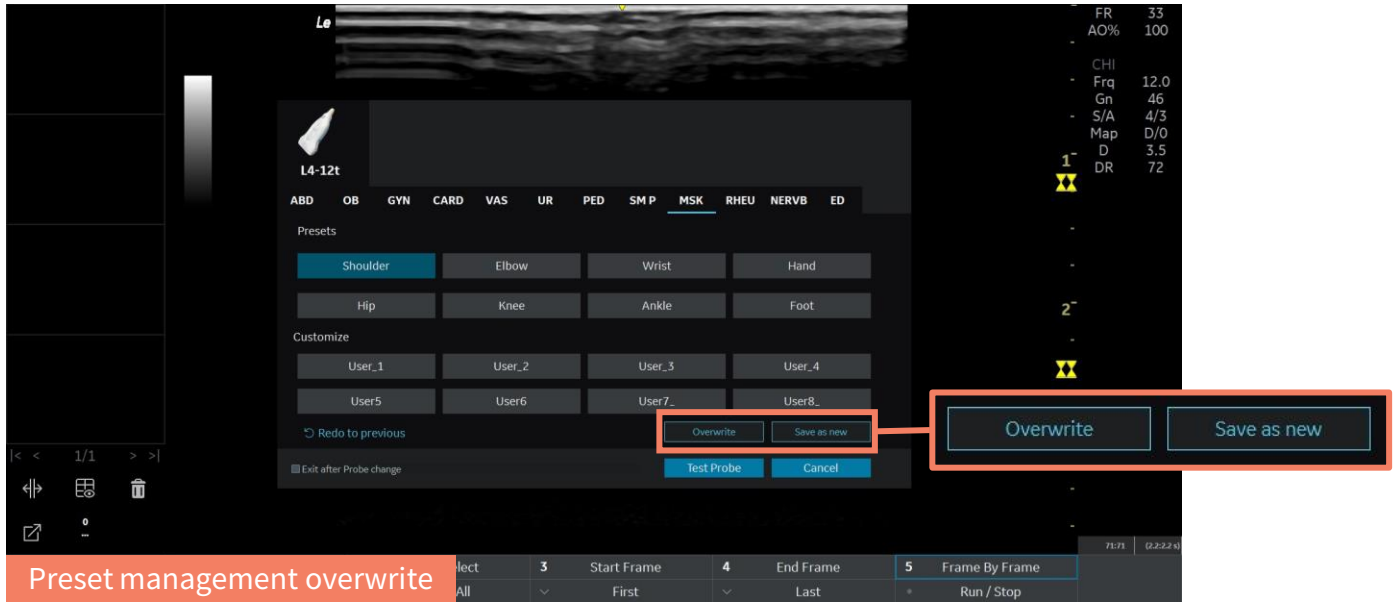

2. Select the probe, exam category and preset for the exam



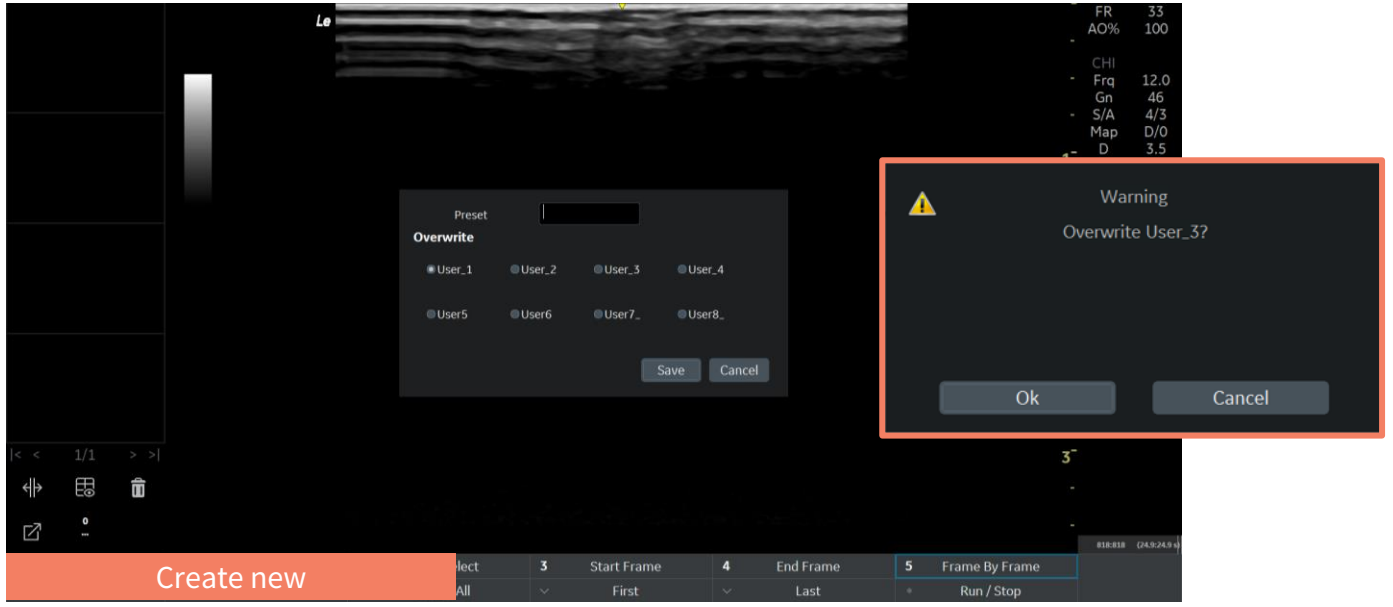
# Preset management

1. To overwrite a preset, press the Exam key, select the probe and preset


2. Scan the desired anatomy, change scanning parameters according to user preference
3. Press the Exam key and select Overwrite. The preset will be over-written and the new scanning parameters will be assigned to the preset
4. To create a new preset, press the Exam key, select the probe and preset
5. Scan the desired anatomy, change scanning parameters according to user preference
6. Press the Exam key, select Save as New, select user, name the new preset and save
7. The adjusted scanning parameters will be assigned to the newly created preset




Preset management overwrite




Create new

*Note: Only use letters and numbers for preset name.*

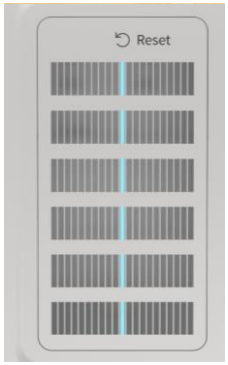
# B-Mode

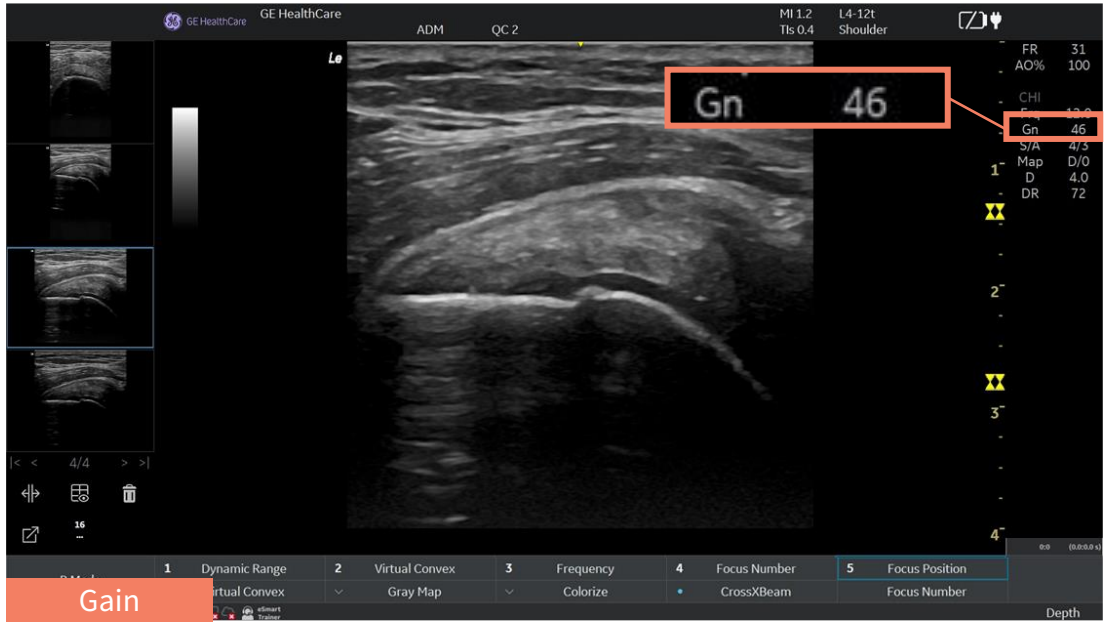
B-Mode is intended to provide two-dimensional images and measurement capabilities concerning the anatomical structure of soft tissue


1. To change the overall brightness of the image, turn the Gain rotary dial to increase/decrease gain. If using a system with a trackpad use two fingers to slide side to side to adjust gain


2. To optimize the contrast resolution of the B-Mode image press Auto within the gain rotary dial

3. To adjust the brightness of specific areas in the image use the digital TGC



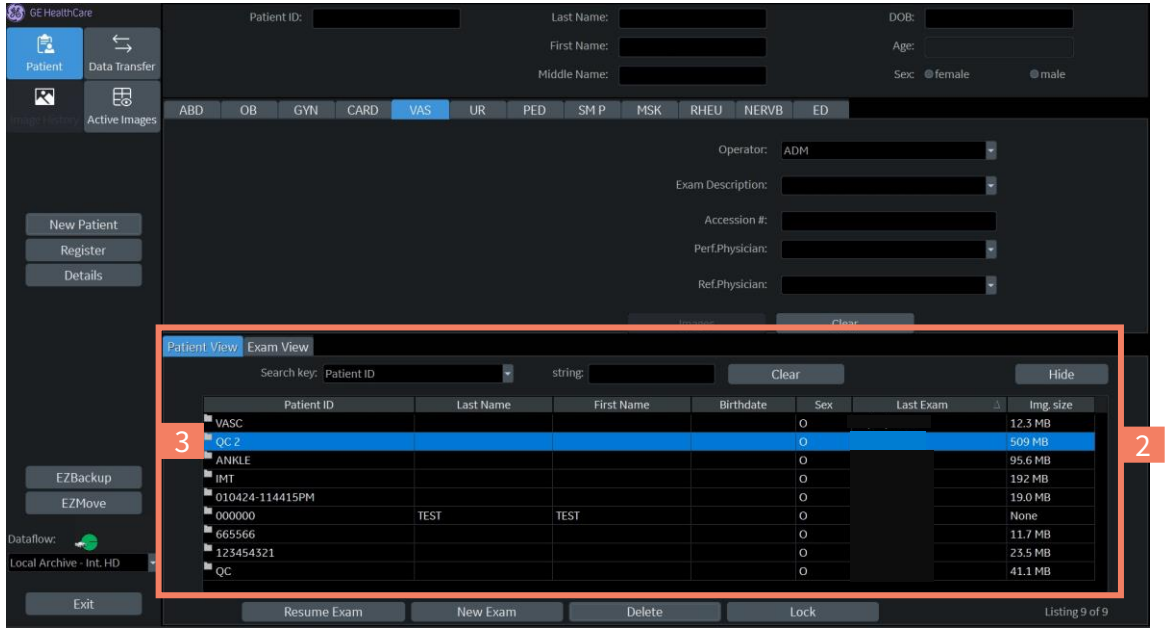




# Review exam

## To review patient exams

1. To review patient studies from the hard drive, press the patient key 

2. The bottom half of the screen displays all the exams that are stored on the hard drive
3. “Double” click the patient name and then the exam you want to review
4. The system will automatically access the active image screen
5. Double click any image or cine clip to view in full screen




# Image optimization lists

## B-Mode scanning hints (make further improvements as following

| If | Try |
|---|---|
| The image is too grainy | 1. Decrease Line Density in secondary menu.<br>2. Decrease Edge Enhance<br>3. Turn on/off CrossXBeam<br>4. Increase SRI HD in secondary menu |
| The image is too soft | 1. Decrease Dynamic Range<br>2. Increase Edge Enhance<br>3. Click “Gray Map” to change the gray map setting<br>4. Check SRI HD settings<br>5. Turn on/off CrossXBeam |
| The image is too noisy | 1. Decrease Gain<br>2. Decrease Dynamic Range<br>3. Click “Gray Map” to select a gray map with more contrast |
| Improve uniformity | 1. Increase the number of focal zones by adjusting Focus Number<br>2. Adjust TGC to compensate for attenuation |
| Cystic imaging | 1. Decrease Gain<br>2. Decrease Dynamic Range<br>3. Decrease Scan Area<br>4. Click “Focus Number ” to increase number of focal zones<br>5. Position focal zones properly<br>6. Click “Gray Map” to change the gray map setting |
| Technically difficult patients | 1. Select the proper probe for the exam (larger patient , lower frequency)<br>2. Increase acoustic output (Power Output in secondary menu) , if necessary<br>3. Maintain a lower Dynamic Range (66 – 72)<br>4. Shrink scan area for higher frame rates<br>5. For better penetration, select a lower frequency for the probe of choice |