

Application News



The Archive

on

Vivid™ *iq*

NOTE

This hand out is a summary and is not comprehensive.
For more detailed information please refer to the user manual and/or reference manual.



Content

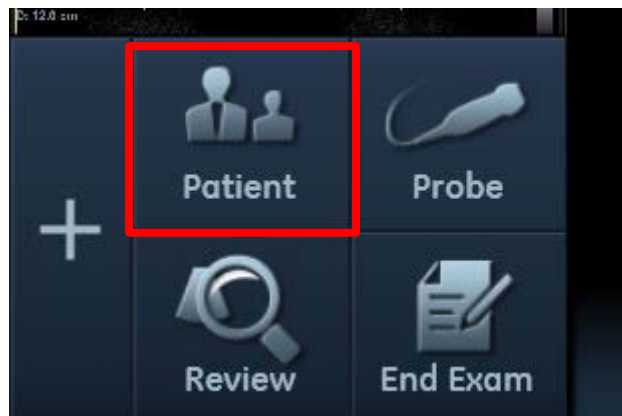
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Archive Structure

Access the Archive

To get access to the Patient Archive tap the **Patient** button in the short cut menu.



Operator Log in

User Log in

Depending on the setup of the system a user **Log in** is required after each start of the system or the Log off of another user.

There is no drop down list for the operator ID. In order to access the archive, the user must know their log in data.

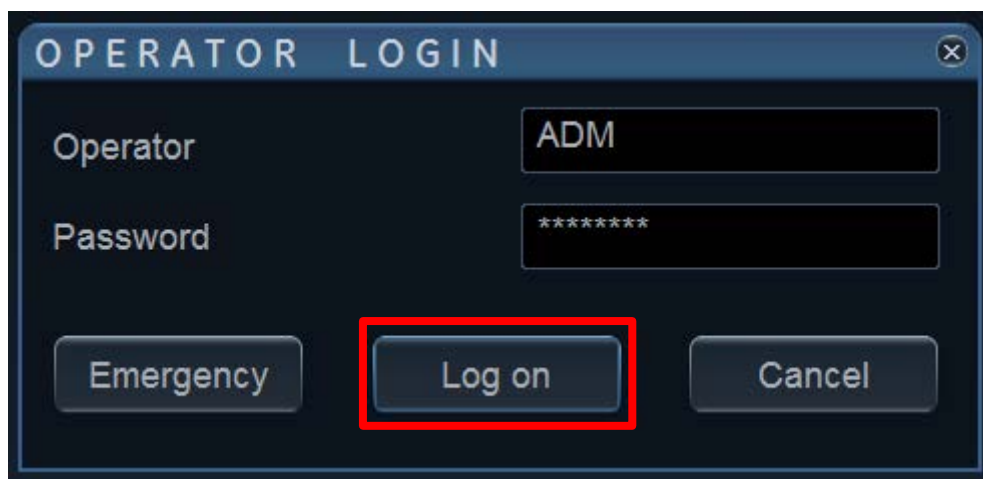
First Log in

When accessing the Archive for the first time, the following Message appears on the main screen

Operator enter the operator label that was set up for you

Password enter the according password for this operator (if applicable)

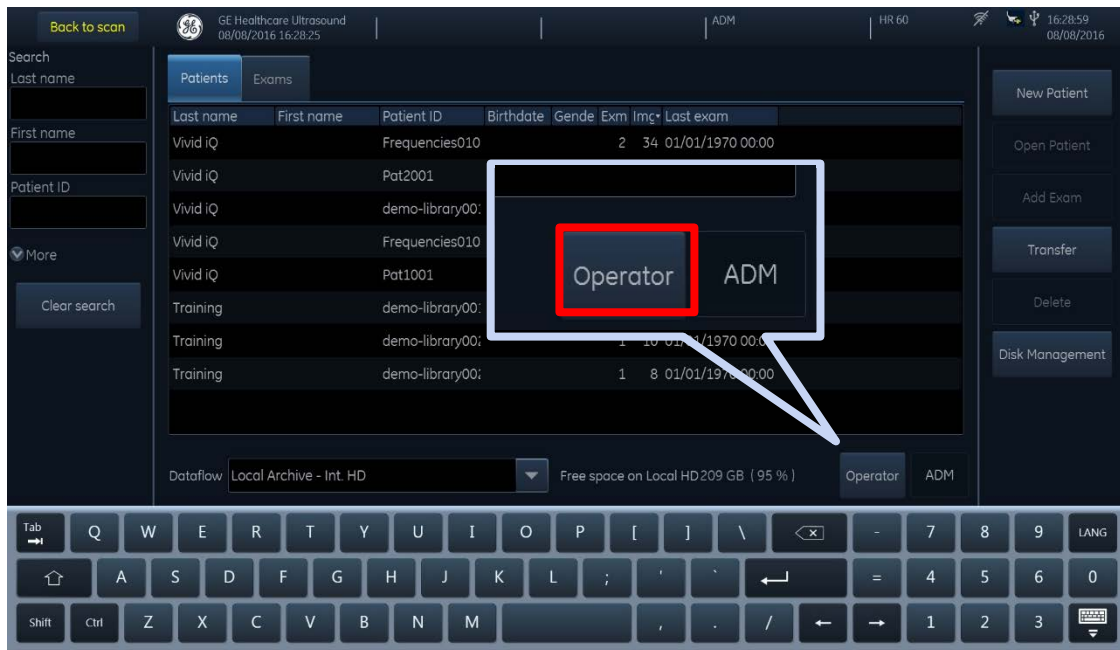
Tap on **Log on** to enter the archive screen.



Changing operator

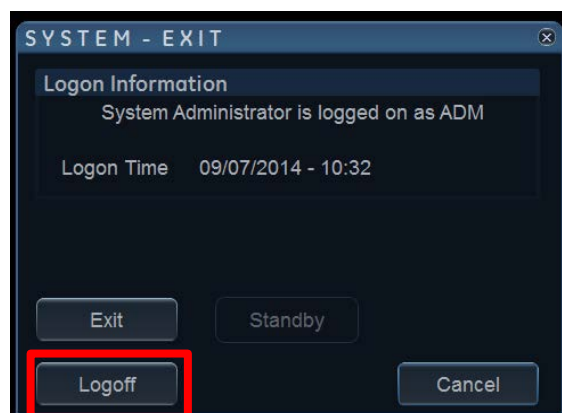
The current operator can be seen in the archive screen in the lower right corner:

Tap on the button **Operator** and the Operator Login Message appears as described in the above step. Change the Operator name to the new Operator, enter the Password if applicable and press Log on.



Log Off

Before leaving the system, make sure to **Log off** in order to protect the archive. Press the **On/Off** button on the Scanner. Select **Logoff**.



The System logs off the actual user and the Operator Login screen appears, ready for the next user to log in.

Main Archive Search Screen

Overview

The screenshot shows the Main Archive Search Screen interface. The interface includes a search sidebar on the left, a central table of search results, and a right-hand sidebar with action buttons. A keyboard is visible at the bottom of the screen.

Annotations:

- Fields for entering search criteria:** Points to the search sidebar on the left, which includes fields for Last name, First name, and Patient ID, along with a 'Clear search' button.
- Tabs for Patient or Exam List:** Points to the 'Patients' and 'Exams' tabs at the top of the central table.
- Parameters to sort the list:** Points to the header row of the table, which includes columns for Last name, First name, Patient ID, Birthdate, Gender, Exam, and Last exam.
- Display area of Archive content per Patient or per Exam:** Points to the rows of the table, which display patient and exam details.
- Dataflow in use and possibility to change:** Points to the 'Dataflow' dropdown menu at the bottom, which is currently set to 'Local Archive - Int. HD'.
- Operator in use:** Points to the 'Operator' field at the bottom, which shows 'ADM'.
- Keyboard for text entry:** Points to the on-screen keyboard at the bottom of the screen.

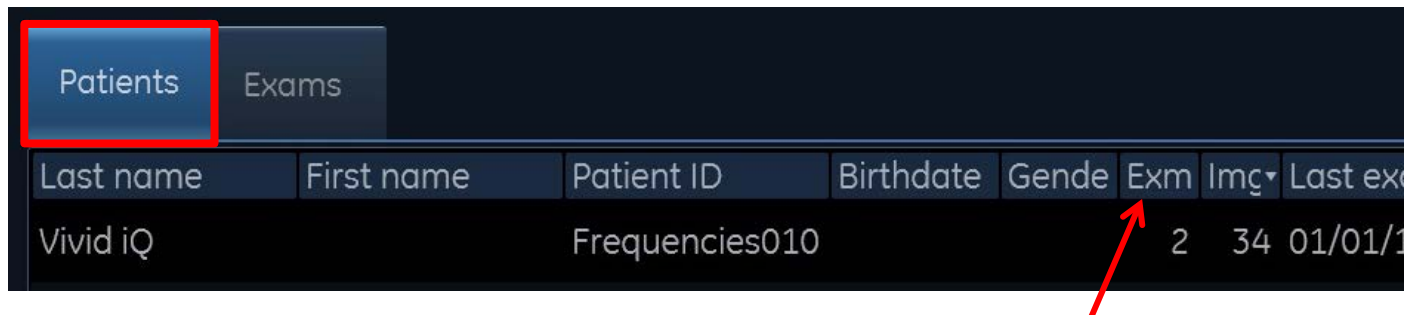
Last name	First name	Patient ID	Birthdate	Gender	Exam	Img	Last exam
Vivid IQ		Frequencies010		2	34	01/01/1970	00:00
Vivid IQ		Pat2001		1	27	01/01/1970	00:00
Vivid IQ		demo-libran00		2	26	01/01/1970	00:00
Vivid IQ							
Vivid IQ							
Training							
Training							
		demo-libran00		1	8	01/01/1970	00:00

Patient and Exam List

The main display area shows the Archive content sorted either by Patients or by Exams.
Depending on the workflow the default display can be re-arranged according to the customer needs.

Patient Tab

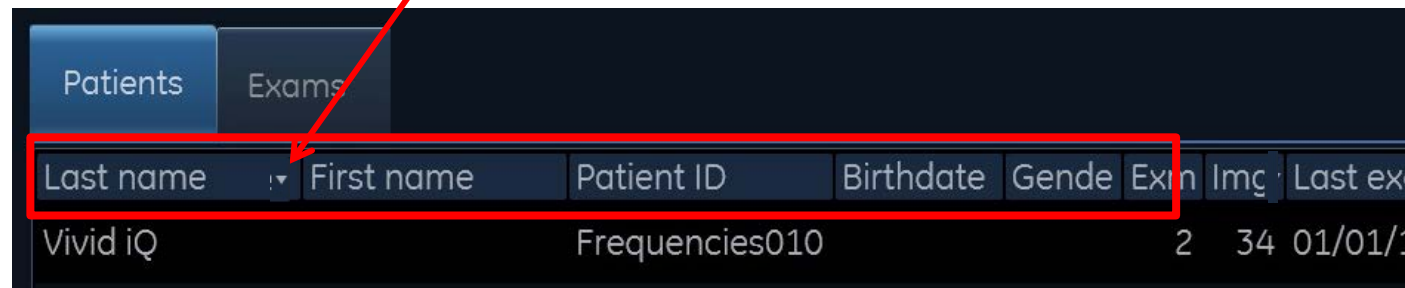
Select the Tab for Patients.



Last name	First name	Patient ID	Birthdate	Gender	Exm	Img	Last ex
Vivid iQ		Frequencies010			2	34	01/01/1

The list will show the content sorted by Patients in the archive and will show the number of Exams performed on this patient.

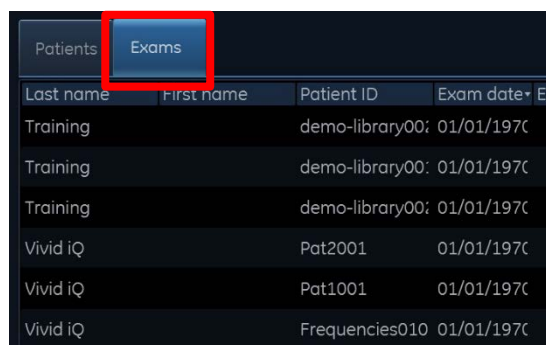
The Patient List is by default sorted by Last Name.
By clicking on one of the Labelling fields on top, another criterion can be used to sort the list e.g. Patient ID, another click toggles between ascending and descending sequence. The criteria used will be indicated at the end of the activated field with a little triangle.



Last name	First name	Patient ID	Birthdate	Gender	Exm	Img	Last ex
Vivid iQ		Frequencies010			2	34	01/01/1

Exam Tab

Select the Tab for Exams:



Last name	First name	Patient ID	Exam date
Training		demo-library00	01/01/1970
Training		demo-library00	01/01/1970
Training		demo-library00	01/01/1970
Vivid iQ		Pat2001	01/01/1970
Vivid iQ		Pat1001	01/01/1970
Vivid iQ		Frequencies010	01/01/1970

The list will show the content sorted by Examinations.
Patients having more than one exam will show up here several times, according to the number of examinations they have.

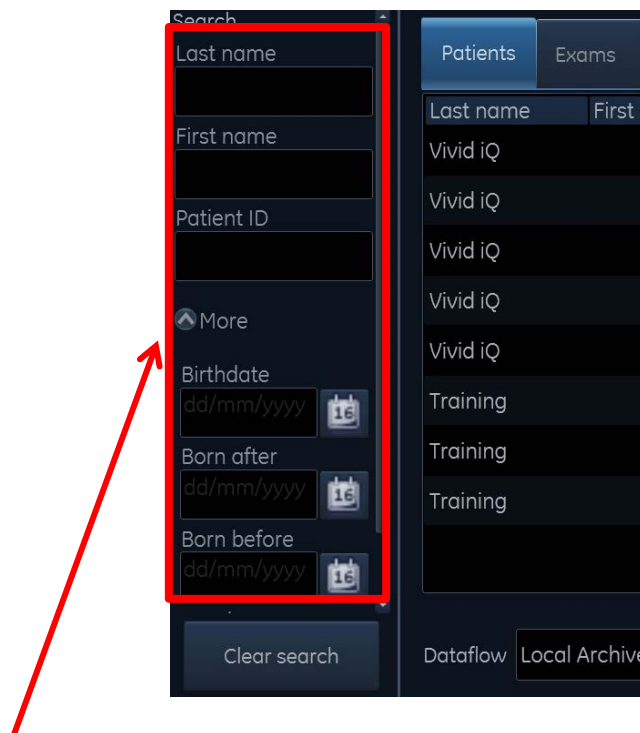
Worklist

If a DICOM worklist is configured for this system an additional Tab is available to search the archive by this worklist. The worklist Tab will appear right beside the Patients and Exam Tab.

The patient list used for patient data entry depends on the workflow and dataflows configured for each system.

Search criteria for Patient List

When using the Patient List, Patient specific search criteria can be entered on the left side.



By pressing the arrow in front of the **More** function the list can be expanded.

The following search fields are available for Patient List:

- Last name
- First name
- Patient ID

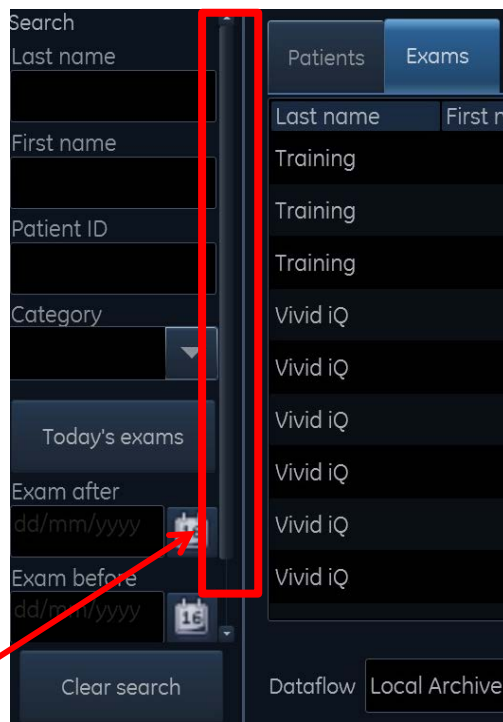
Under More:

- Birthdate
- Born after
- Born before
- Gender

By pressing the **Clear Search** button, all search criteria that have been entered will be deleted at once and the entire list will be shown.

Search criteria for Exam List

When using the Exam List, Exam specific search criteria can be entered on the left side.



Use the scroll bar to go further down, to reach all search fields.

The following search fields are available for the Exam List:

- Last name
- First name
- Patient ID
- Category
- Today's Exams (push the button to see all exams from today)
- Exam after
- Exam before
- Diag. codes
- Diagn. Phys

Checkboxes for:

Images - only Exams with stored images will be shown

No reports - all exams with reports not yet done will be shown

Stress - only Exams where a Stress echo was performed will be shown

Under More:

Exam ID

Exam Description

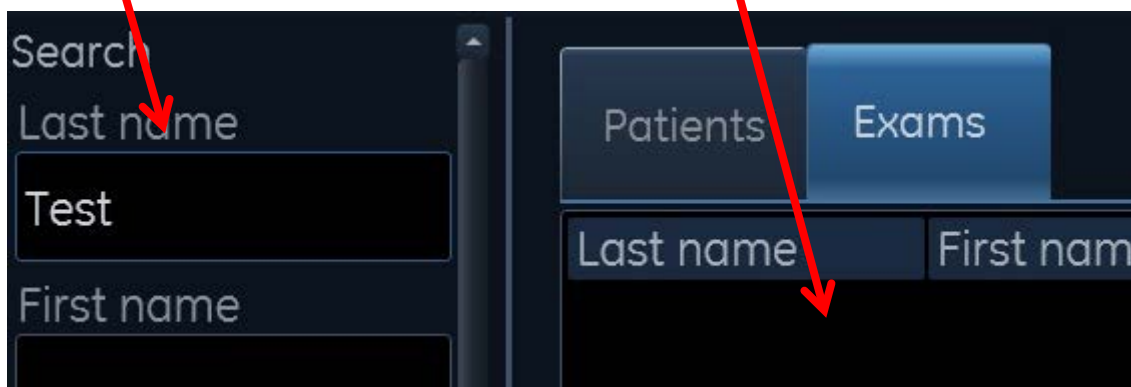
Location

Create New Patient

Search

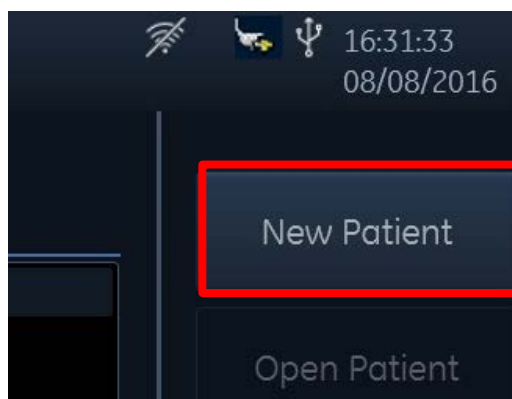
It's always advisable to first search the archive and check if a patient already exists in the database. This will reduce double entries of Patients.

Enter some patient data as search criteria and check if the patient shows up in the list.



New Patient

If this patient is not available press the **New Patient** button in the upper right part of the screen.



A new window opens on the monitor, where the Patient data needs to be entered.

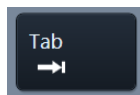
Create new patient record

Patient data	Last name	Test		Middle name	
	First name	Archive		Gender	
	Patient ID	Test Archive	Birthdate	01/01/56	Age
Physical	Height	cm	Weight	kg	BSA
	Height	inch	Weight	lb	
Details	BP				
Create Cancel					

All information that was entered already in the search fields is automatically transferred.
More information can be added, if needed.

To go to the next field either tap into the next field

or use the **Tab** button



on the keyboard to jump to the next entries.

Create Patient

When all necessary information is filled in, tap on the **Create** Button.

The Patient ID is mandatory to be filled in (unless configured to be created automatically), all other fields are optional.

Depending on the configuration of the system, it will either stay in the patient archive screen to allow entering more information, or it will go directly to a live scan mode.

Patient Examination Screen

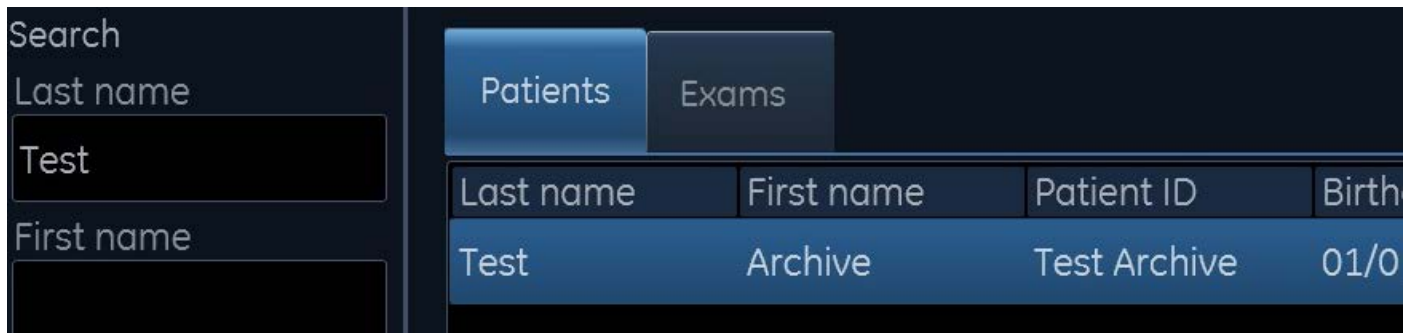
You may enter more information like Ref. Physician, BP (Blood pressure), etc.

Add Examination

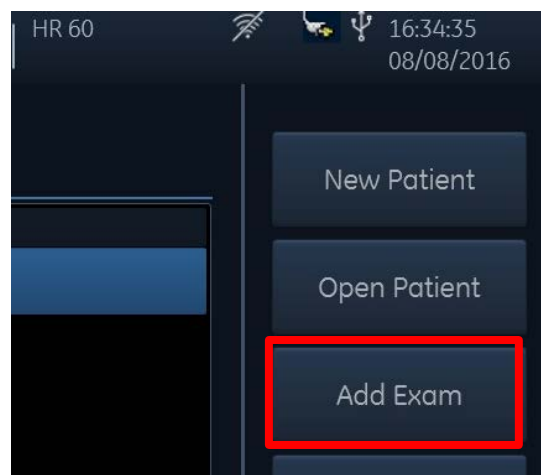
Add exam to existing Patient

After entering some search criteria the patient of interest is displayed.

Tap once on the Patient to highlight it, the selection is indicated with a light blue color.



Tap on **Add Exam** in the upper right corner of the monitor.



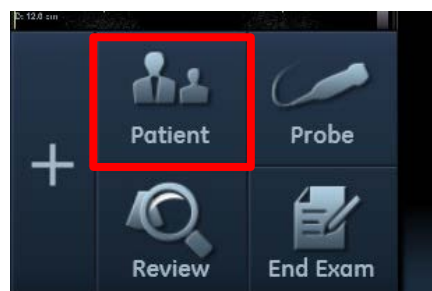
A new Exam with the current date will be added to this Patient.

Add Exam in active Patient

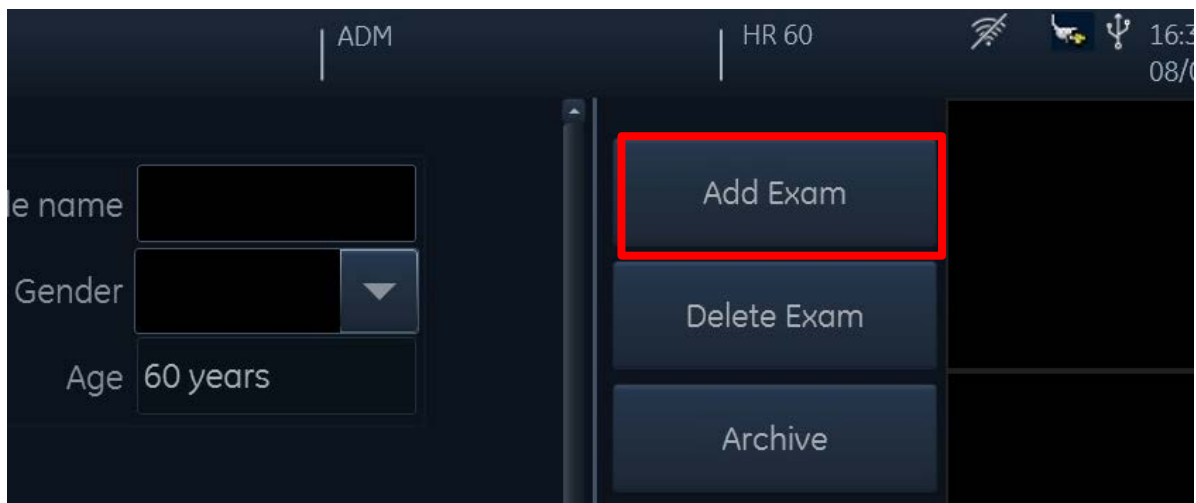
A user may open a patient exam in review mode (no new exam added) and then decide to add a new exam to that patient.

Or a Patient gets two different types of examinations on the same date such as Echocardiography and Vascular exam and the images should ideally be archived into two different exams for a better overview.

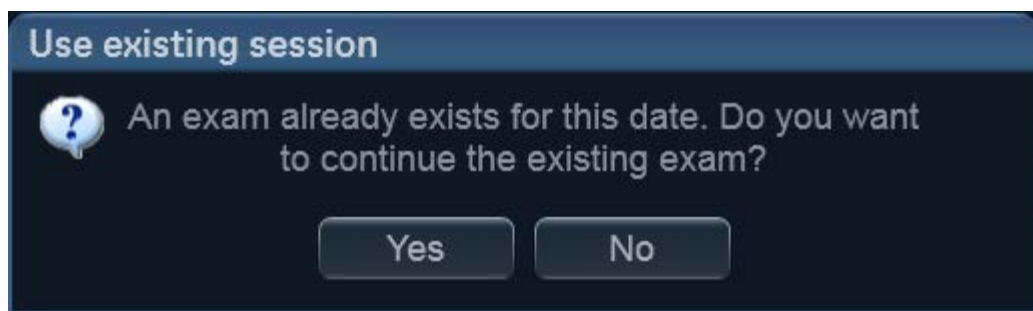
If the Patient is already open and active and you want to add an Exam, go to the Patients Examination Screen by tapping on the **Patient** button.



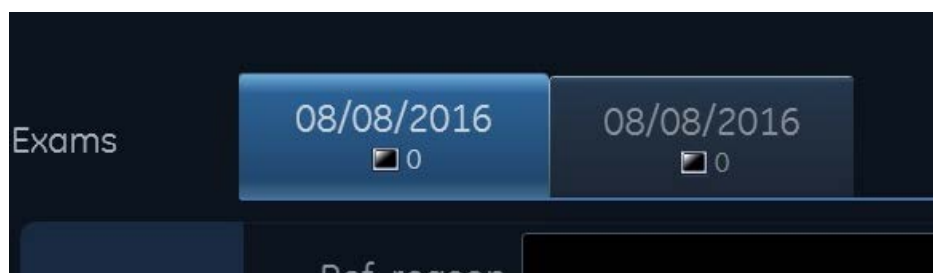
Tap on **Add Exam** in the upper right corner of the monitor.



In case an exam with the current date already exists the following message will appear:



By pressing **No** a second examination with the current date will be created.



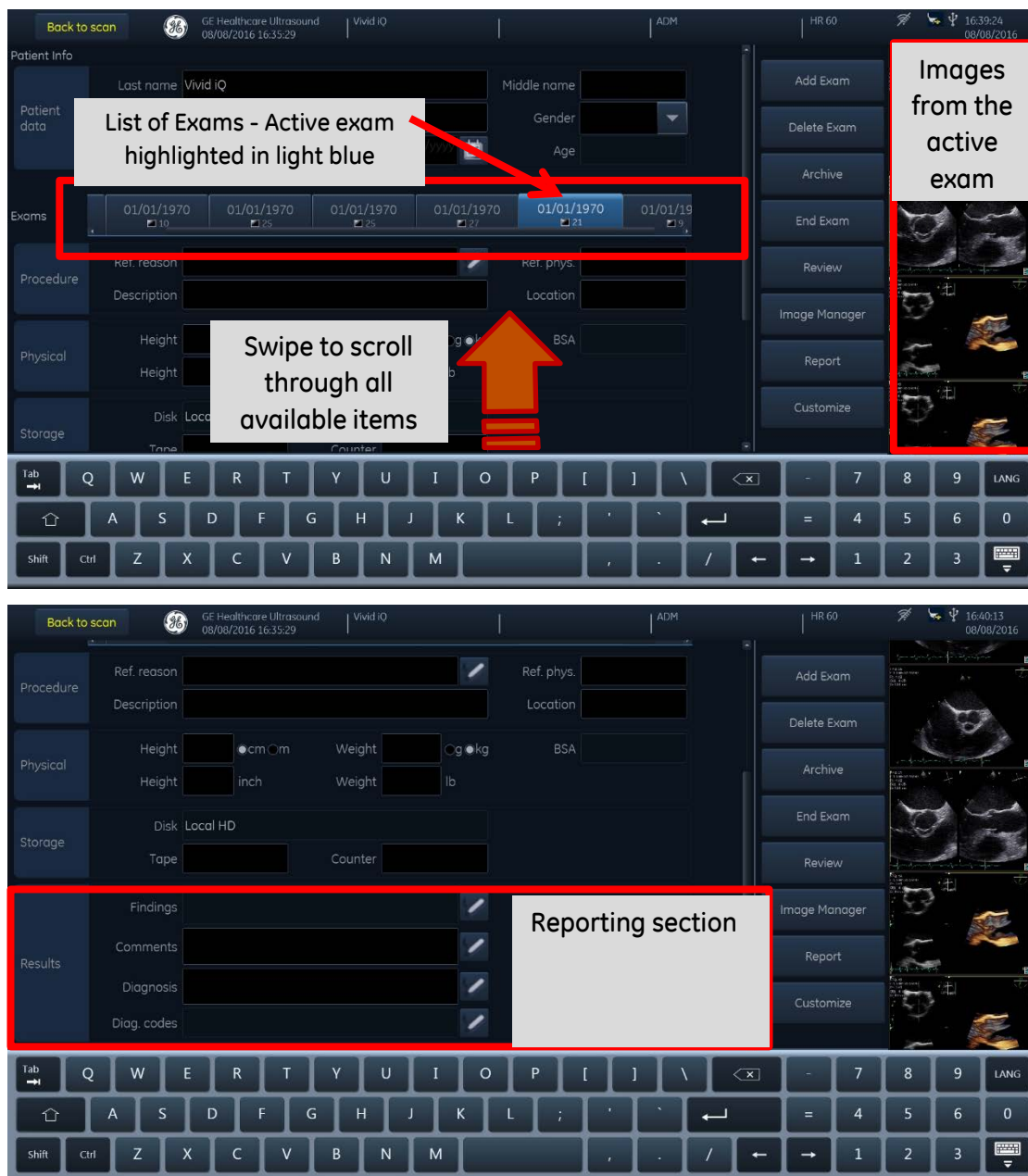
Finalizing an Exam

After the scanning is finished, you may want to add some comments or review images before you finalize the examination.

Tap on the **Patient** button.

Patient Archive Screen

Overview of the Patients Archive screen, the actual examination is active:



Examinations

Examinations are displayed as Tabs showing the Date and number of images.

The active Exam is always highlighted in blue.

The images of the active exam will be shown on the clipboard on the right side.

Additional Examination data is shown underneath the Tab, such as Procedure Description, Physical Data, Details and Results.

Images

To review an image of the active exam, double tap on the desired image on the clipboard.

This image will be displayed as a single image on the screen. The user can change to another image by selecting the next image from the clipboard or by using the arrow buttons accompanied with the clipboard.

Or tap on **Review** to enter the Review screen with first 12 images of the active exam and scroll page by page.

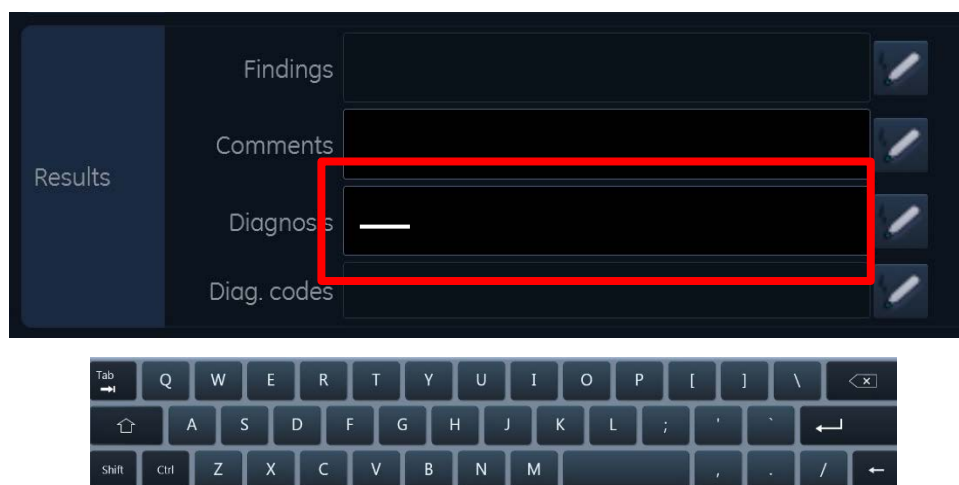
Or use the **Image Manager** for a full overview of all stored images from a patient and compare images from different exams.

Results

The results section contains Text fields to enter the Diagnosis and Comments.

Either tap into one of the fields and write your text by using the keyboard.

E.g. Diagnosis:



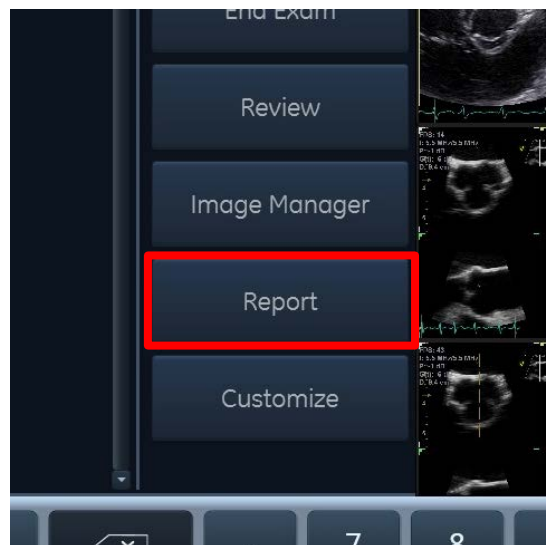
Or tap on the pencil button on the right side of the field to enter preconfigured Text selections.



Once finished with all the comments you can print out a Report.

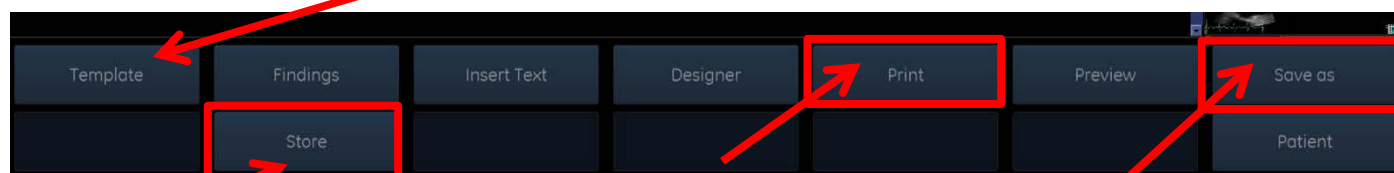
Report

While in the Patient Archive Screen tap on the **Report** Button on the right side.



The Report Preview screen opens.

You may select another Template by tapping the **Template** button and select another template from the list.



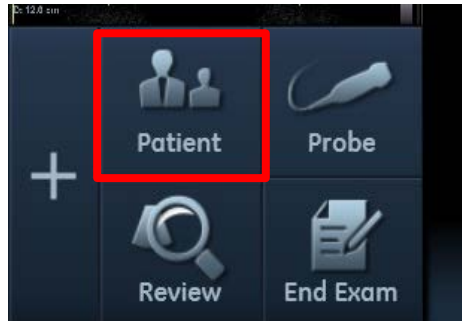
Store-to store the Report to the Exam, Report can only be edited by the authorised user later on

Print-to send the Report to a regular printer

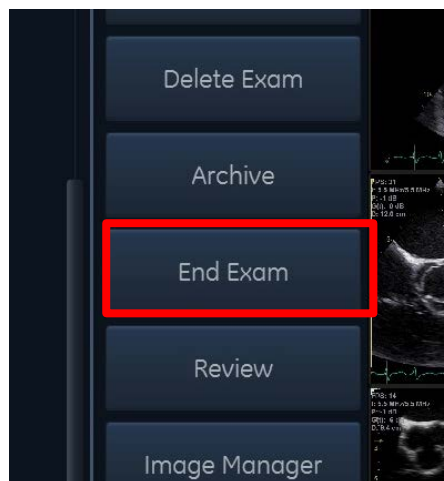
Save as-to store the report on a network folder or a storage device in a chm or pdf format

End Exam

When everything is done and the exam can be finished, enter the Archive screen by using the **Patient** button.



Tap on **End Exam** on the right side.



Depending on the configuration of the system, some messages may appear, please read carefully and answer according to your needs.

For Example:



Tap on **Save** to store all the changes done.