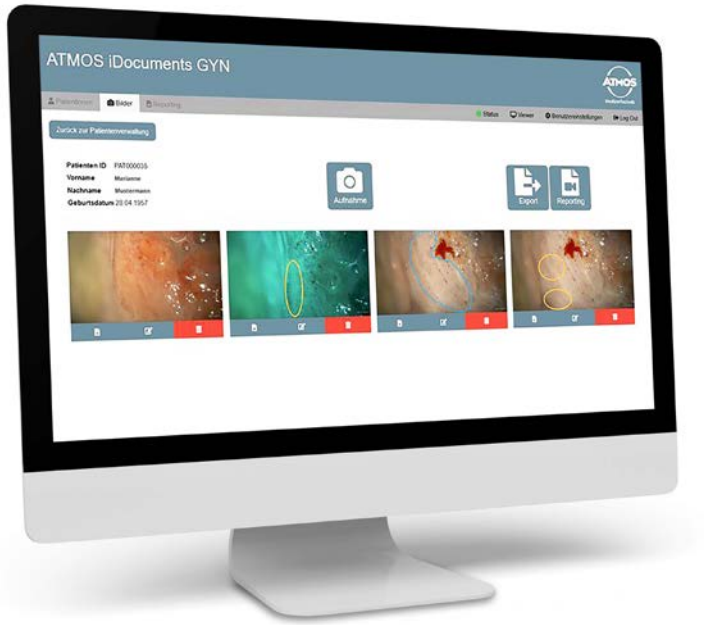
ATMOS
MedizinTechnik

Operating Instructions

ATMOS iDocuments GYN

English



These operating instructions are valid from software version 1.4

GA1GB.400000.0

2025-10 Index 03

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1 Intended purpose | use

The hardware and software product ATMOS iDocuments GYN is used to record images via an HDMI signal and forward them to the hospital IT or practice software.

The recordings are optionally linked to the patient's indication or an intervention. The treating physician uses the software product via the foot switch or the device controls.

- ☞ The product is installed by trained personnel.
- ☞ The product has no direct contact with the patient.

1.1 Front view

❶ On/off button: The software is started by pressing the on/off button. Furthermore, an acoustic signal will be heard. If the LED is lit up in blue, this means the device is switched off. A white light means the device is switched on.

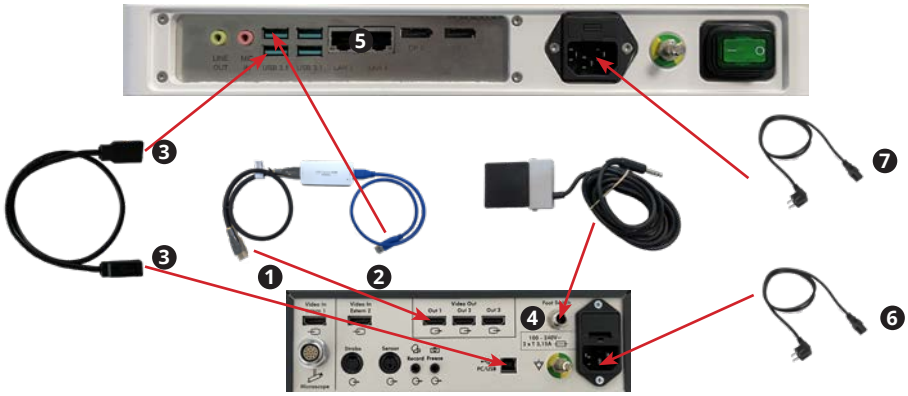
1.2 Rear view

2 Cabling and start-up

2.1 Cabling

☞ For the correct cabling between the ATMOS i View 31 COLPO, the corresponding supply module and the hardware of the ATMOS iDocuments GYN, please observe the following instructions.

Rear of the ATMOS iDocuments GYN



Rear of the supply module of ATMOS i View COLPO

1. Connect the HDMI cable to one of the “Video Out” outputs of the ATMOS i View COLPO supply module and the HD grabber.
2. Connect the USB 3.0 cable of the HD grabber to a USB 3.1 input on the ATMOS iDocuments GYN.
3. Connect the USB A/B cable between the “PC/USB” output of the supply module and a USB 3.1 input on the ATMOS iDocuments GYN.
4. Connect the foot switch to the “Foot Switch” output of the power supply module.
5. Connect one of the LAN inputs on the ATMOS iDocuments GYN to a network socket.
6. Connect the power cable marked “i View 31 COLPO” to the power inlet of the supply module.
7. Connect the power cable marked “iDocuments GYN” to the power inlet of the hardware of the ATMOS iDocuments GYN.

☞ Make sure to connect the two power cables to two separate, permanently installed grounded sockets.

☞ When ATMOS iDocuments GYN is started and connected to the network, you can access the software in the web browser via http://atmos.

Once cabling is complete, switch on the on/off switch on the rear of the ATMOS iDocuments GYN unless this has already been done. The hardware can then be pushed into the housing as illustrated in the following figure. To do so, insert the wedges in the designated recesses in the rails. Make sure the wedges are inserted into both the top and bottom rail. The hardware can then be pushed sideways into its final position.

2.2 Start-up

If the ATMOS iDocuments GYN is used with an ATMOS i View COLPO installed on the chair by means of a colposcope holder, the following instructions must be observed.

- ☞ Notice: The ATMOS iDocuments GYN must not be placed directly beneath the colposcope holder, as there is a risk of collision!
- ☞ To avoid damage, please ensure there is enough space between the chair and the ATMOS iDocuments GYN.

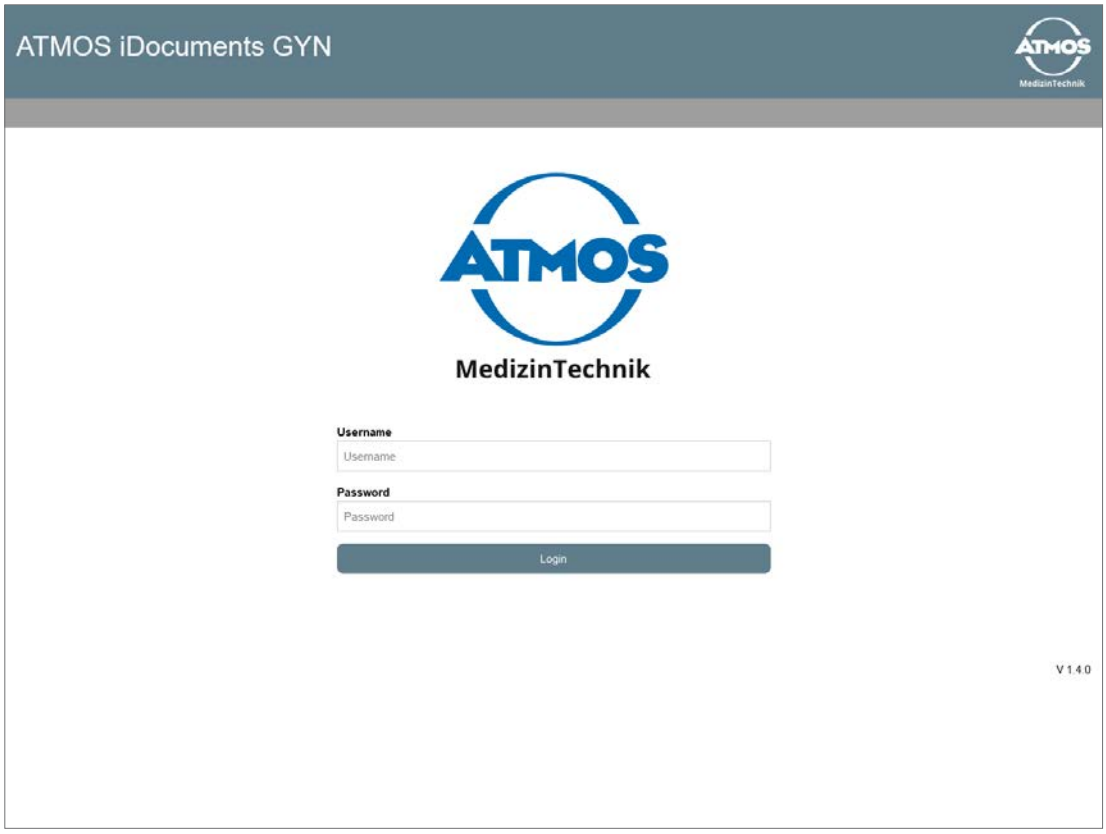
3 Login area

The software is accessed via a web browser, which is where you first reach the login area. You can log in either as a user or as an administrator. On delivery, only one administrator is created as a user. This user is:

Username: atmosadmin

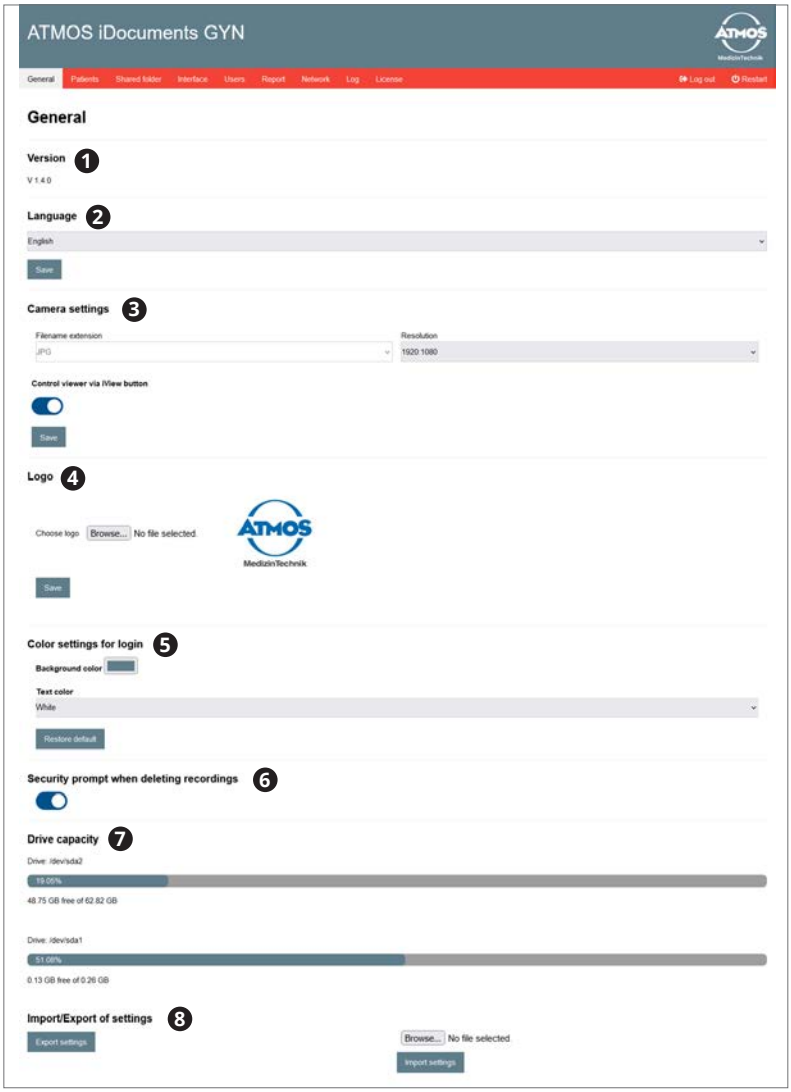
Password: atmos

☞ Please change the password after logging in for the first time!



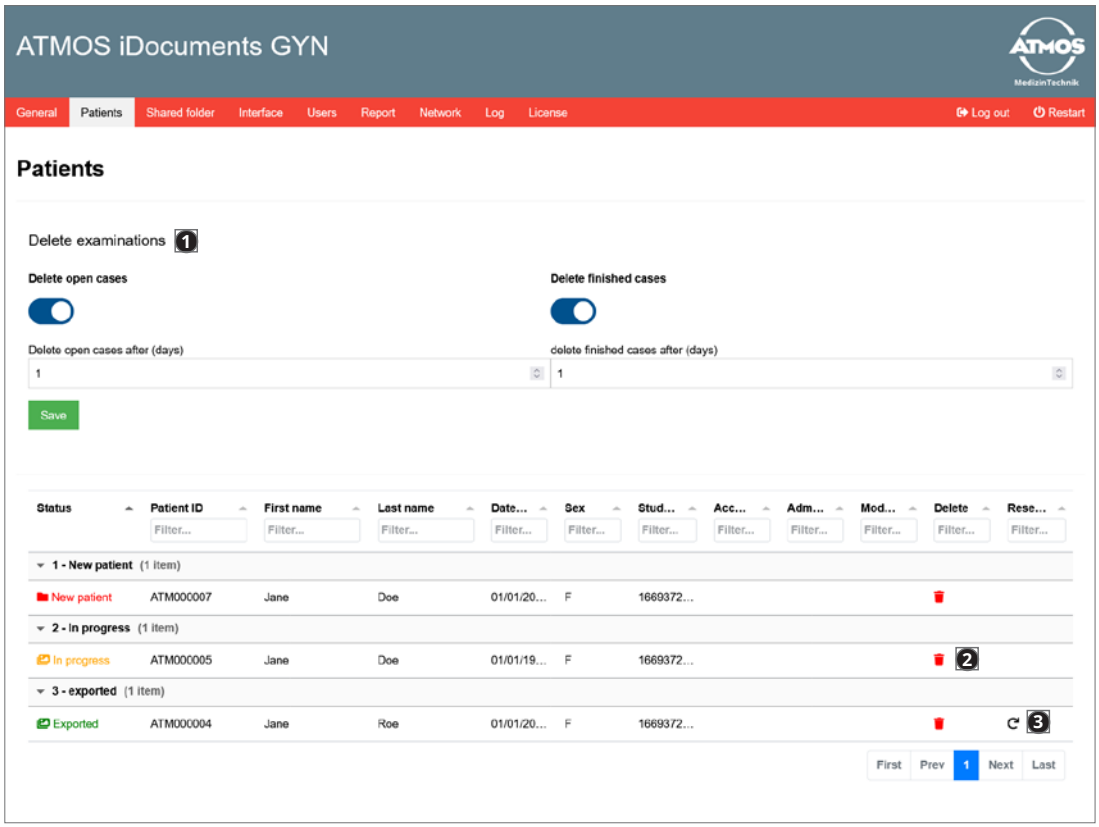
4 Administration area

4.1 General



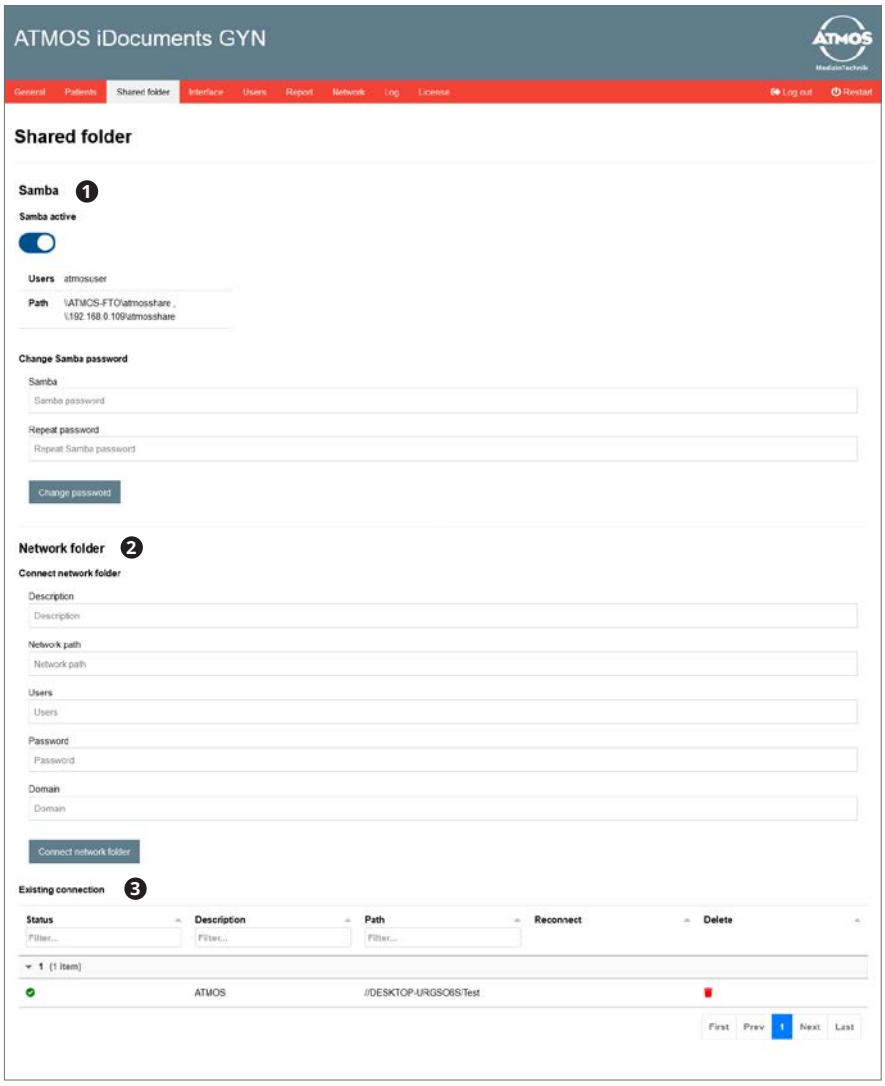
❶	Current version
❷	Language selection
❸	Image resolution setting as well as the option whether the video button on the ATMOS i View COLPO can be used to control the viewer (go to next image).
❹	A logo can be saved here as a JPG or PNG file. This logo is used for the creation of the report and the start page of the viewer.
❺	Color settings for the header on the login page. The changes are saved automatically. The original values are restored by pressing the “Restore default" button.
❻	When this option is enabled, the user must confirm the deletion of a recording once again.
❼	Drive capacity
❽	Export and import options for the settings. The user settings and Windows drives are not saved in the process.

4.2 Patient management



❶	In this section, you can set the time frames after which “open cases” and after which “finished cases” should be deleted. If the option is enabled, you can set the number of days after which the open and closed cases should be deleted from the software. If the option is disabled, no examinations are automatically deleted from the software.
❷	This table displays all patient data currently stored in the software. Individual patients can be deleted from the software using the delete symbol .
❸	Finished examinations that are still in the system can be reset to the status “In progress” using the “Reset status” button .

4.3 Folder sharing



❶	Here you can set up a Samba share on the ATMOS system. The share can be enabled or disabled via the switch. If the share is enabled, the path to the share is displayed.
❷	The system can also connect to a share on a remote computer. To do this, the description, network path, user, password, and the domain (optional) must be specified in these fields.
❸	All connected network folders and their connection status (connected or disconnected) are displayed here.

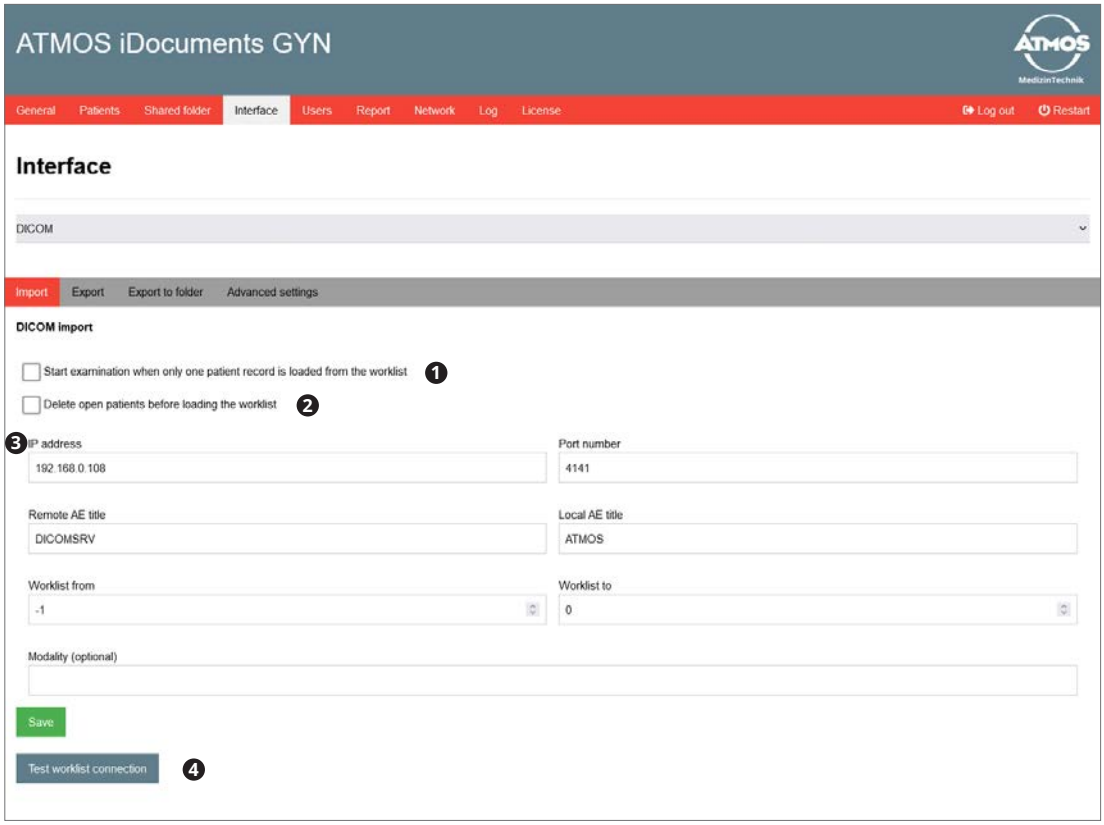
4.4 Interface settings

System interfaces are configured in this section. You can choose between the following interfaces in the drop-down list:

- DICOM
- GDT
- Manual creation of patient records

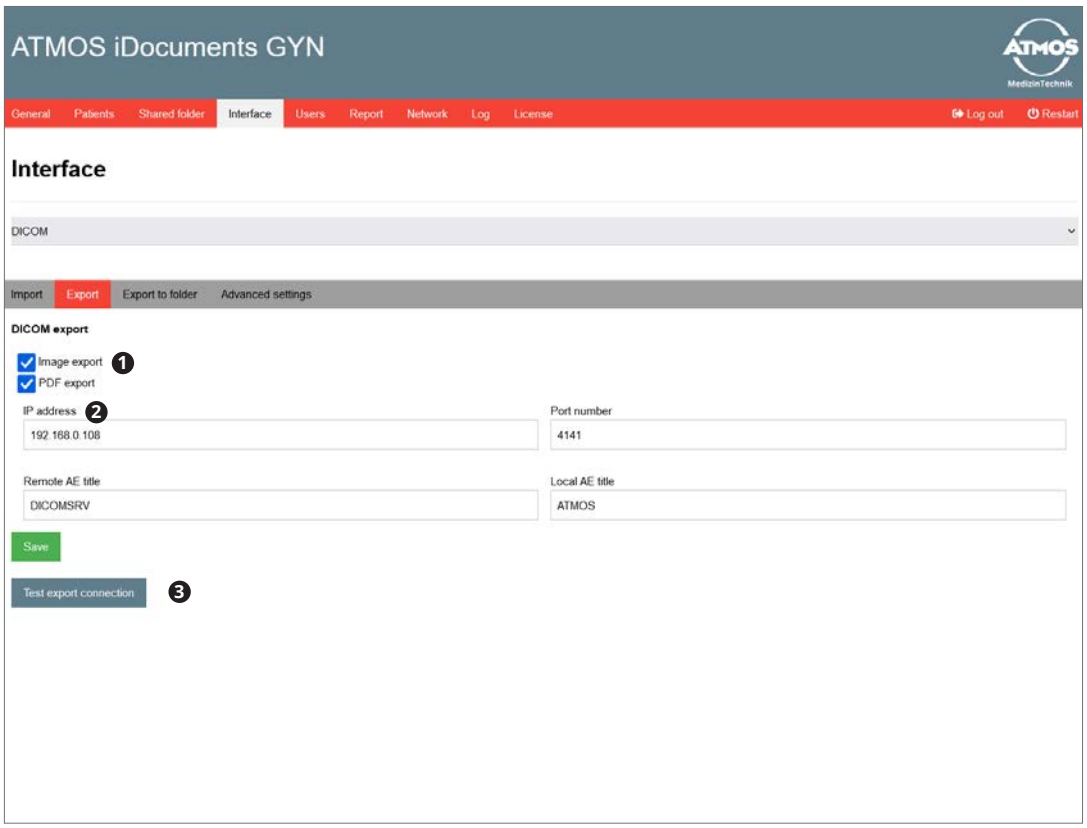
4.4.1 DICOM

Import



❶	If this option is enabled and only one patient from the worklist has been transferred, the interface for recording images with the transferred patients starts automatically.
❷	If this option is enabled, all open cases are deleted before the worklist is loaded. This means that only the current patients in the DICOM worklist are available in the software.
❸	The settings for transferring the patient data from the worklist can be made here.
❹	The connection to the worklist can be tested by clicking this button.

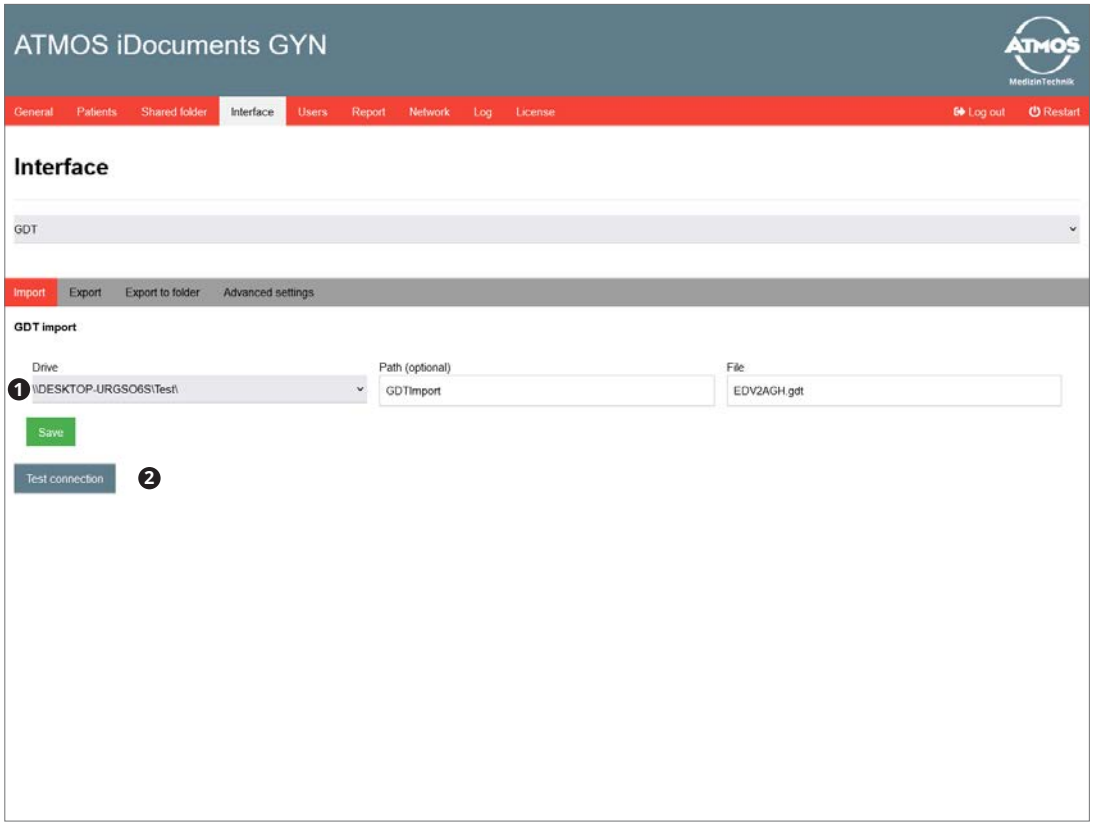
Export



❶	Here you can select which formats are to be transferred via DICOM. If neither of these two options is selected, no DICOM export will take place.
❷	This section defines the parameters for the DICOM export.
❸	The connection for the export can be tested by clicking this button.

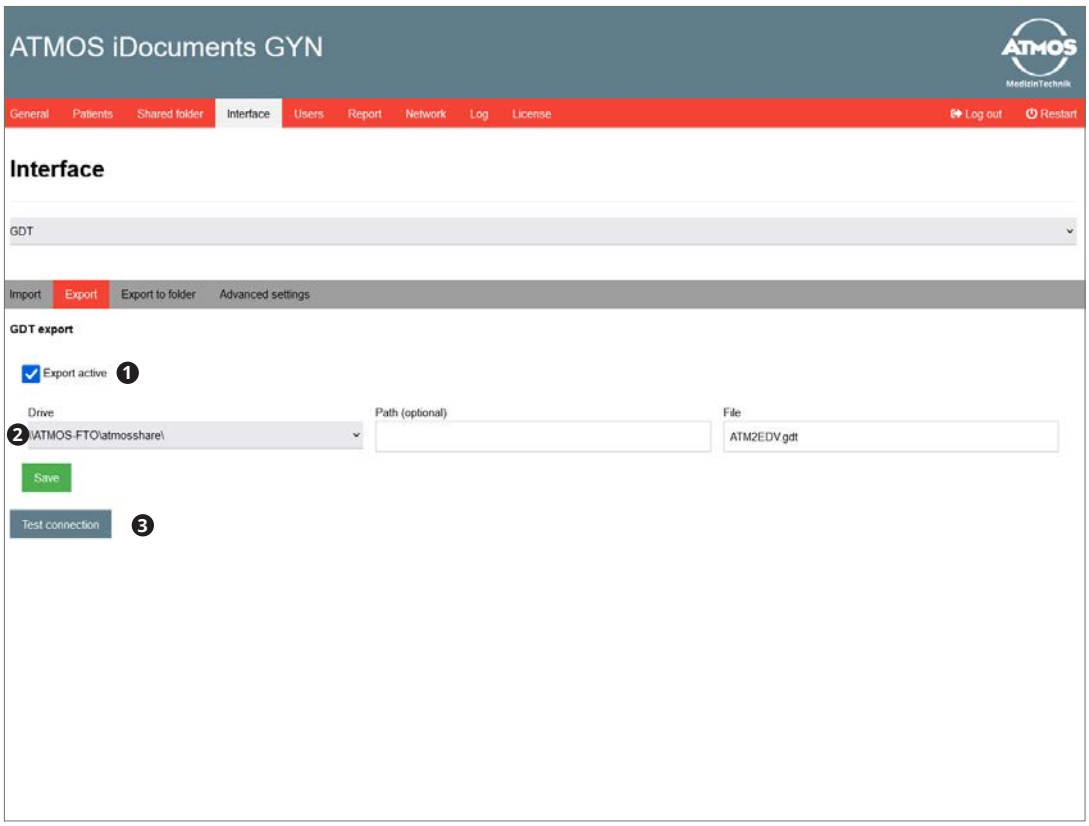
4.4.2 GDT

Import



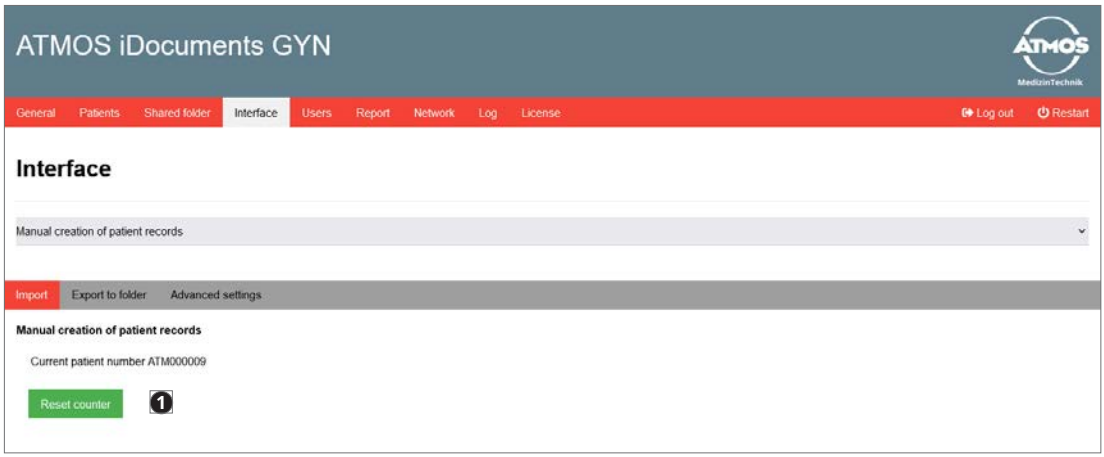
❶	Path to the GDT import file
❷	The path to the import file can be tested by clicking this button.

Export



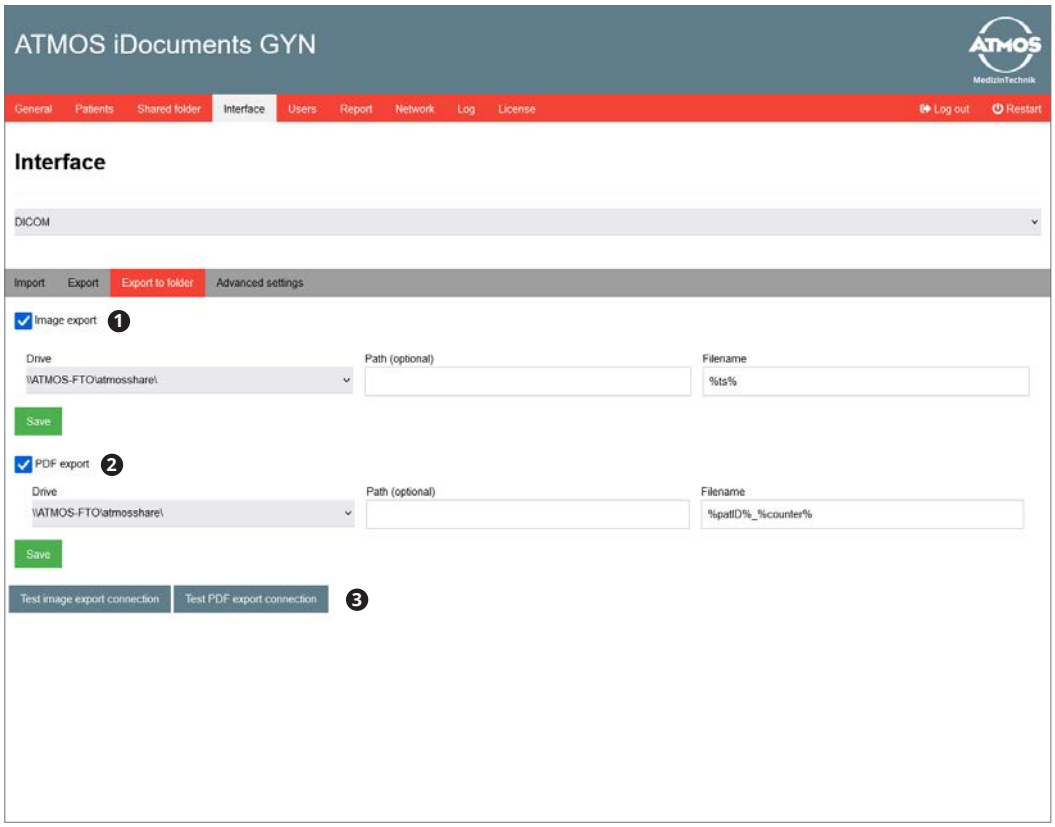
❶	If this option is enabled, a GDT export will be made.
❷	File path of the GDT export file
❸	The file path can be tested by clicking this button.

4.4.3 Manual creation of patient records



❶	The current patient number can be reset here when creating patient records manually.

4.4.4 Export to folder



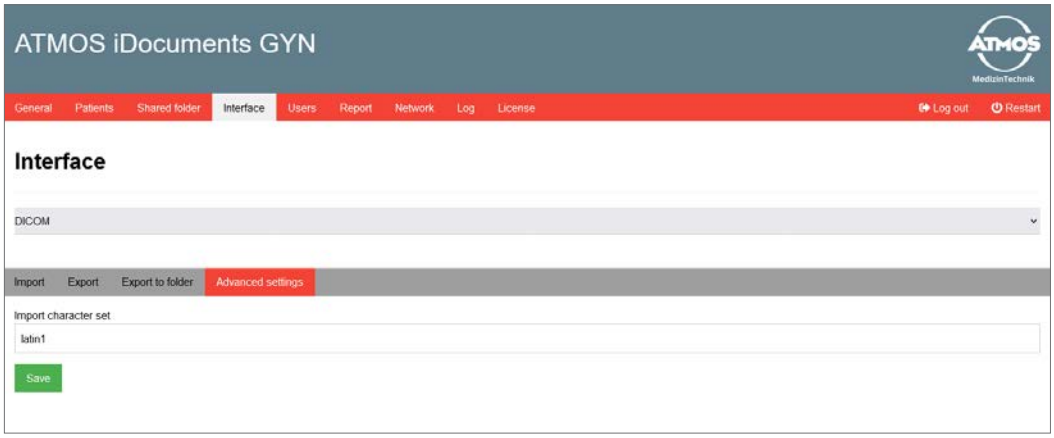
❶	Image export settings
❷	PDF export settings
❸	The export paths can be tested by clicking this button.

The following placeholders can be used for the file name:

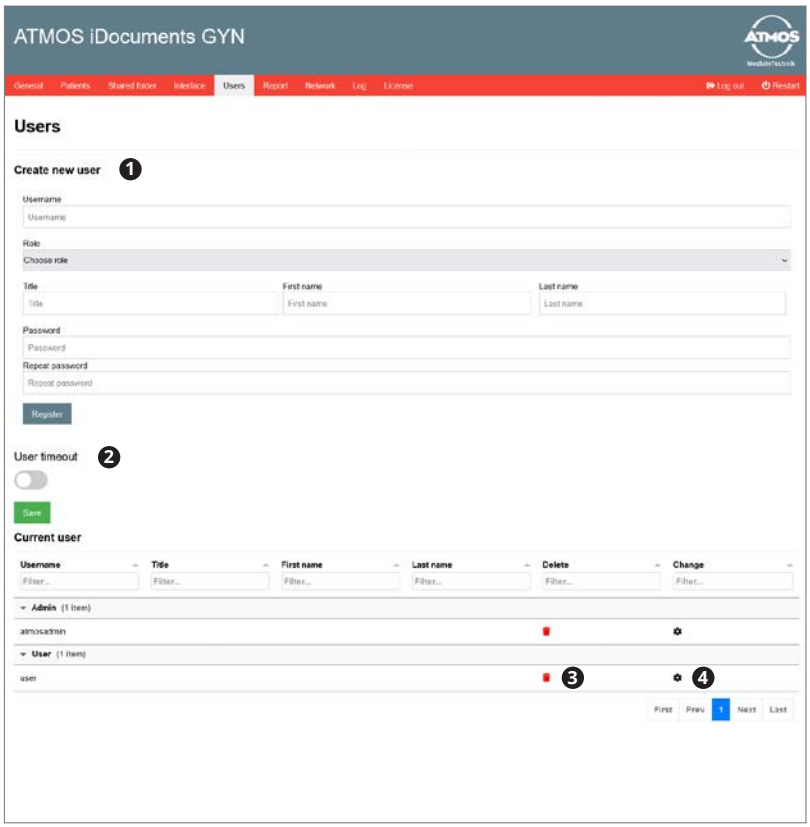
Placeholder	Definition
%patID%	Patient ID
%firstName%	First name
%lastName%	Family name
%dob-YYYYMMDD%	Date of birth
%dob-DDMMYYYY%	Date of birth
%studyId%	Study ID
%accessionNumber%	Accession Number
%admissionID%	Admission ID
%modality%	Modality
%ts%	Timestamp
%ts-YYYYMMDD%	Timestamp
%ts-YYMMDD%	Timestamp
%ts-DDMMYYYY%	Timestamp
%ts-DDMMYY%	Timestamp
%ts-DDMMYYYY%	Timestamp
%ts-YYYYMMDDSSMM%	Timestamp

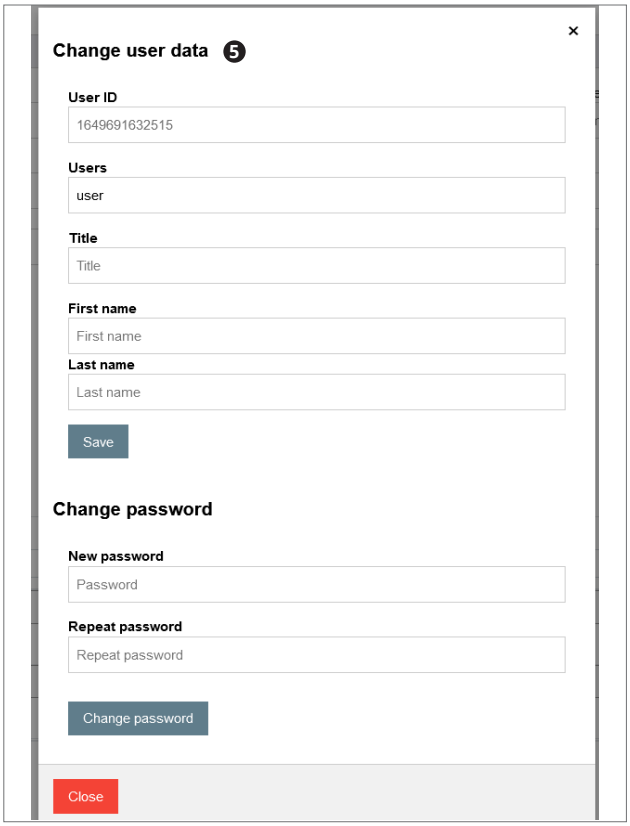
4.4.5 Advanced settings

In the advanced settings, the character set can be defined for files that are imported or exported. This character set is valid for reading the DICOM and GDT files as well as for creating the DICOM and GDT exports.



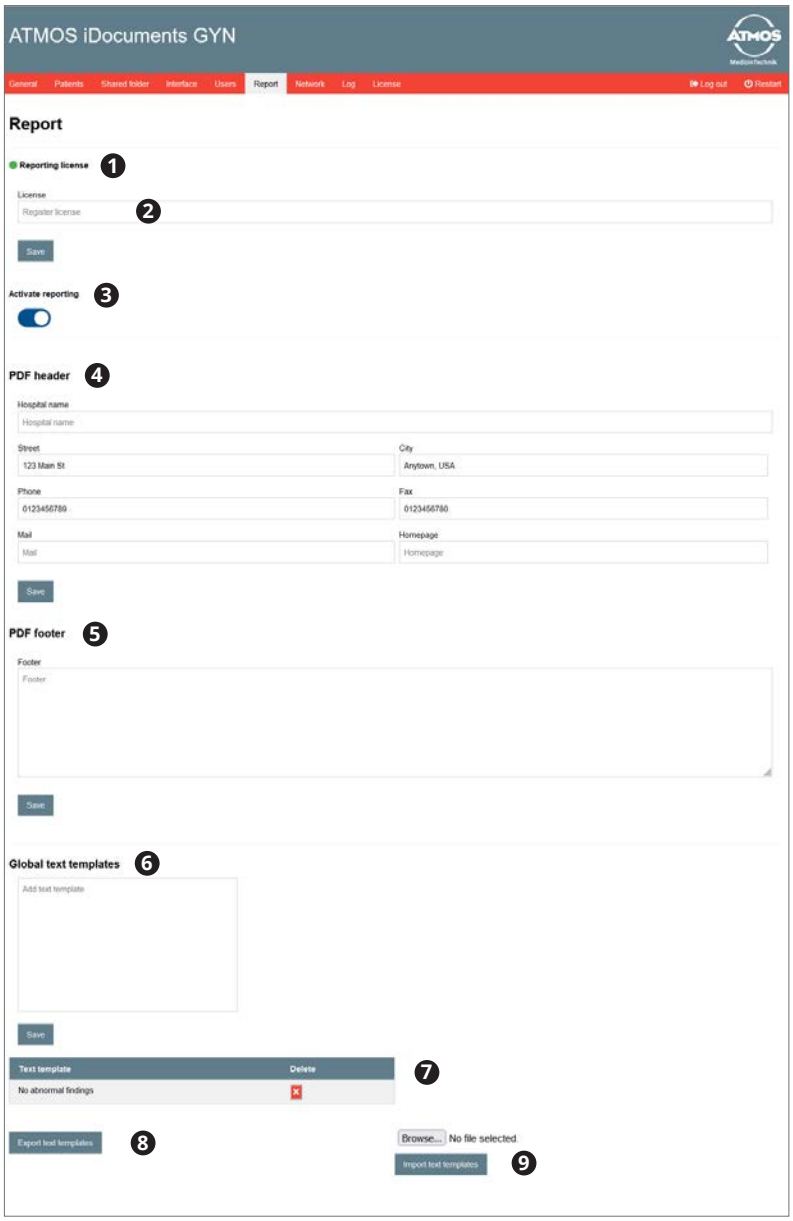
4.5 Users





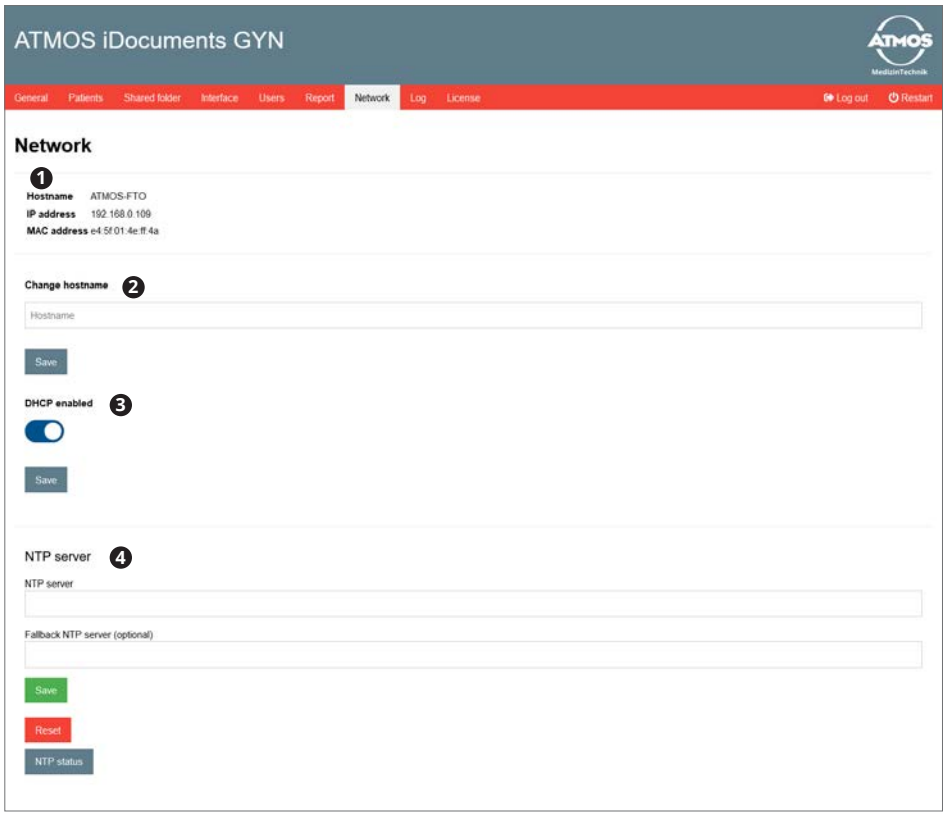
❶	A new user for the software can be created here. The role as a user or administrator can be selected here. When the fields for title, first name and last name are filled in, this information will also be printed on the report.
❷	Setting for the automatic user timeout. If this option is enabled, the user is automatically logged out of the software after the set minutes have elapsed.
❸	Users can be deleted from the software by clicking on the symbol 🗑.
❹	Clicking on the symbol ⚙ opens a window for changing the user data.
❺	User data and password can be changed here.

4.6 Report



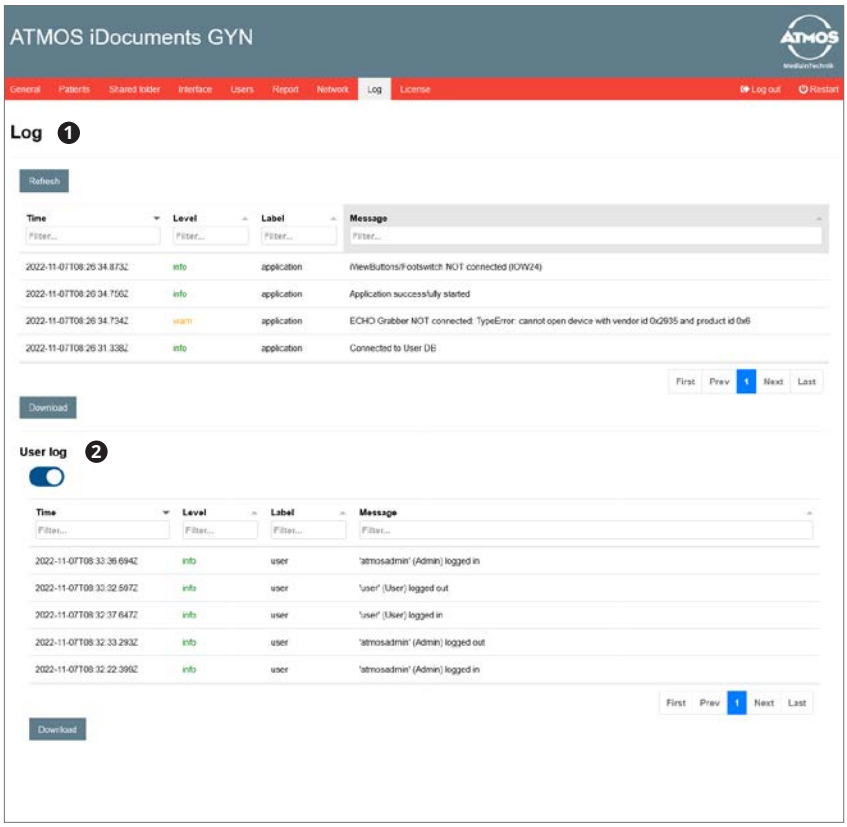
❶	This shows whether the license for reporting is activated.
❷	The license key can be entered in this field.
❸	Reporting can be enabled or disabled by pressing the switch.
❹	The contact data of the practice/hospital can be entered here. This information is then printed in the header of the PDF report.
❺	A footer can be entered here that will be printed at the end of the PDF report.
❻	In this field, text templates can be defined that can be used for describing the images. These text templates are available to all users.
❼	All defined text templates are displayed in this section. It is also possible to delete individual text templates.
❽	Global text templates are exported to a file by clicking this button.
❾	Global text templates are imported from a file by clicking this button.

4.7 Network settings



❶	The current hostname, IP address, and MAC address are displayed here.
❷	The hostname can be changed here.
❸	When this option is enabled, the IP address is obtained via DHCP. If DHCP is disabled, a static IP address can be configured by entering the IP address, gateway, and prefix.
❹	NTP server setting: If the system time deviates from the actual time, an NTP server can be entered here to synchronize the time. The system must then be restarted.

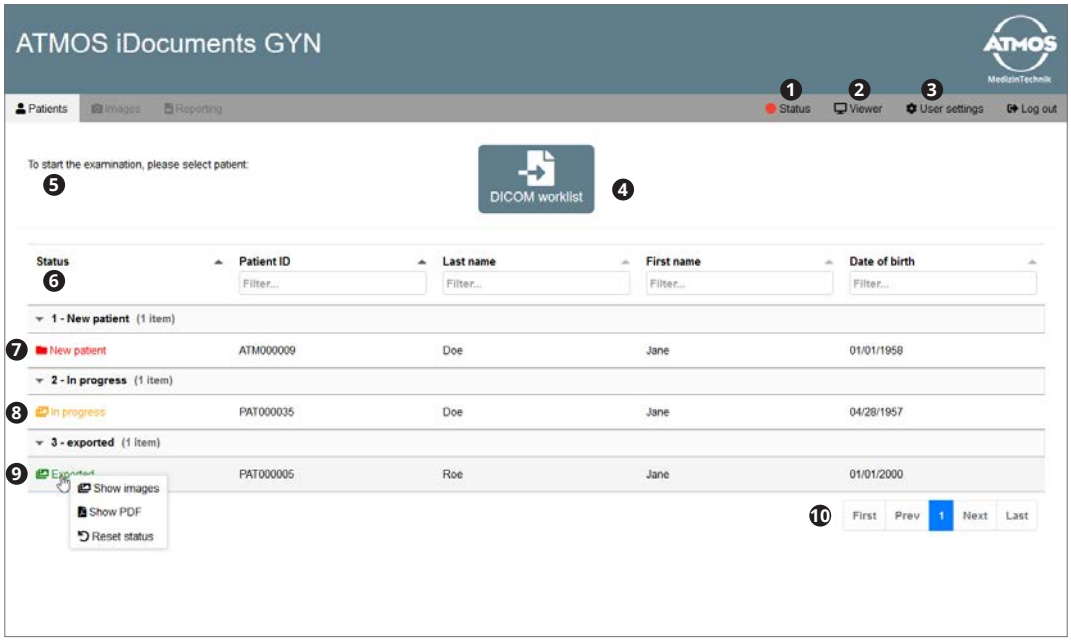
4.8 Log



❶	The application and interface logs are displayed here. These can be filtered in the table. You can also download the log files by clicking the “Download” button.
❷	If this setting is enabled, user activities can also be logged. All activities that the user undertakes and the patient involved are logged.

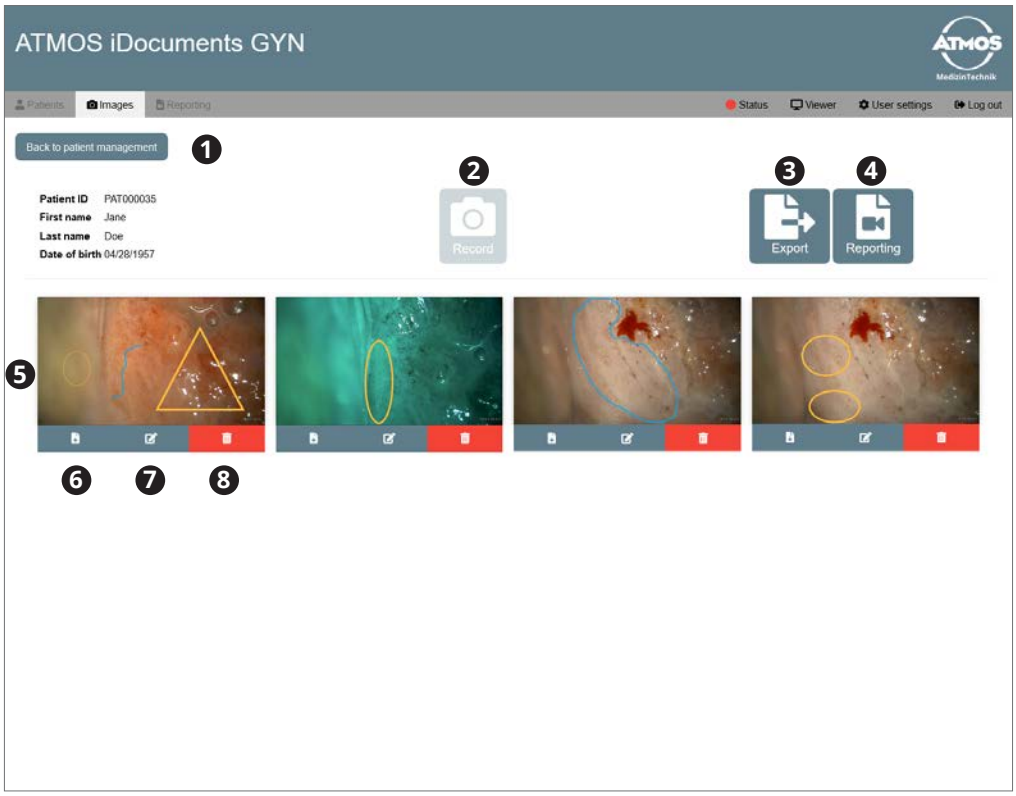
5 User area

5.1 Patients



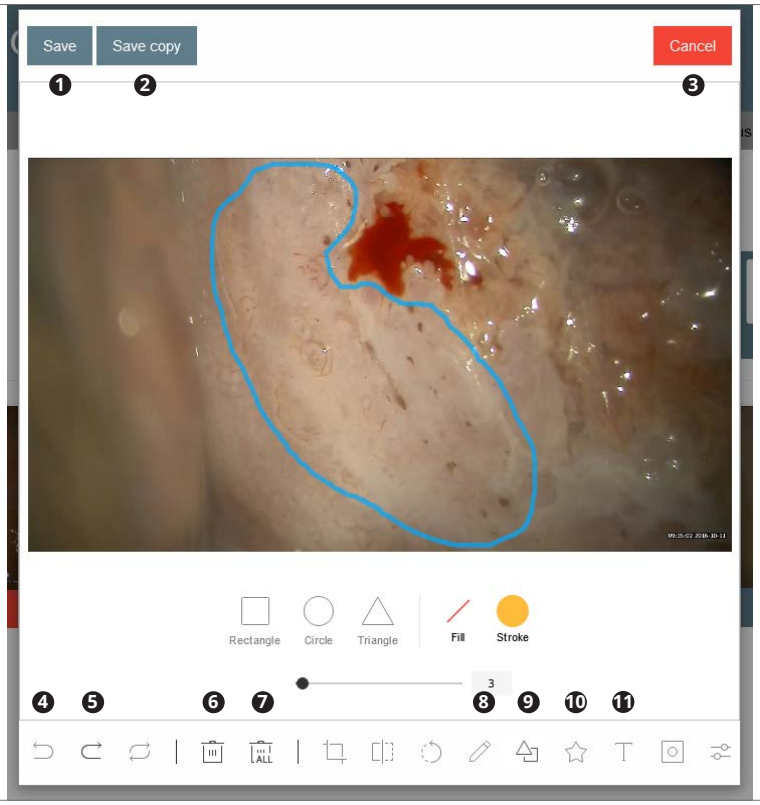
❶	This button displays the system status. This drop-down menu shows whether the DICOM worklist and export connection are active, and whether the ATMOS i View COLPO and a foot switch are connected. The software version is also displayed here.
❷	This button opens the viewer page; see chapter “7 Viewer” on page 27.
❸	This button opens the page for user settings; see chapter “6 User settings” on page 25.
❹	This button is used to query the DICOM worklist. If there is no connection to the worklist server, this field is disabled.
❺	This table displays all patients whose patient data have been loaded into the software. The patient data are sorted according to the status “New patient,” “In progress,” and “Exported.”
❻	The patient table can be filtered here.
❼	In the section called “New patient,” all patients are displayed for whom a recording has not yet been made. Left-clicking on the patient name will take you to the page for recording images.
❽	In the section called “In progress,” all patients are displayed for whom at least one recording has been taken or the report was started but no export has yet taken place. Left-clicking on the patient name will take you to the page for recording images. Right-clicking on the patient name allows you to view the images already recorded.
❾	In the section called “Exported,” all patients are displayed for whom the export has taken place. Right-clicking on the patient name allows you to view the images already recorded and the PDF report and to reset the status to “In progress.”
❿	If patient data for more than 35 patients are in the software, you can navigate between the individual pages in this area.

5.2 Image recording



❶	Navigates back to patient management
❷	Records an image. Recording can also be performed using the foot switch or the control panel buttons on the ATMOS i View COLPO. If the status shows that the ATMOS i View COLPO is not connected, no recordings can be made.
❸	Here, the images can be exported directly via DICOM. Afterwards, it is not possible to create a report and no further recordings can be made.
❹	If reporting is activated, this button can be used to navigate to the “Reporting” section.
❺	This area displays all images that have been recorded for the patient.
❻	Downloads the recording to a local directory
❼	Opens the image editor; see chapter “5.2.1 Image editor” on page 22.
❽	Deletes the recording

5.2.1 Image editor



❶	Saves the image. The original image is no longer available.
❷	Saves a copy of the image.
❸	Closes the image editor. The changes are not saved.
❹	Undoes the last change.
❺	Redoes the last change.
❻	Deletes the selected element. The element must be marked beforehand.
❼	Deletes all elements.
❽	Allows freehand drawing on the image.
❾	Inserts a shape.
❿	Inserts an icon.
⓫	Inserts a text.

5.3 Reporting

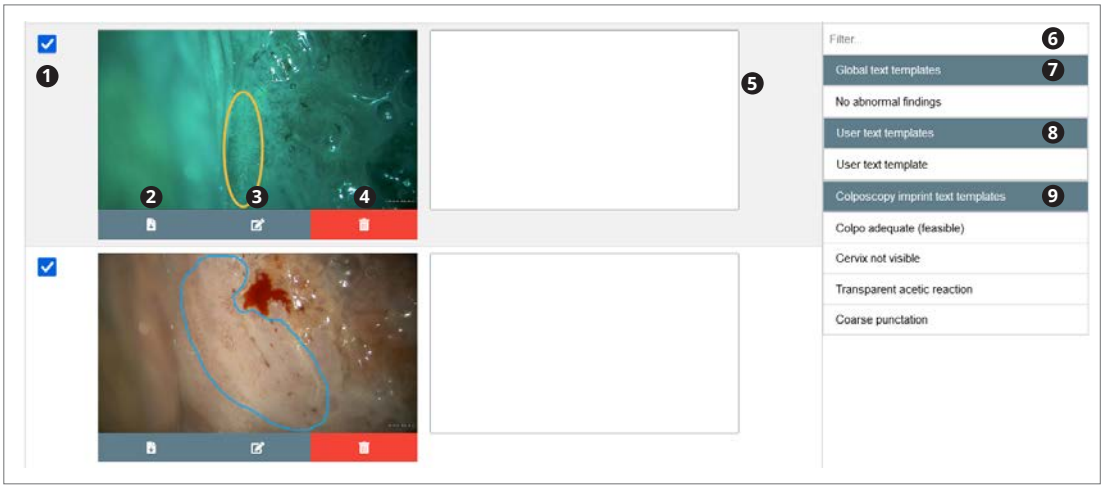
5.3.1 Colposcopy report template

Colpo inadequate bc.: (not feasible)	Inflammation	Bleeding	Other:		Colpo adequate (feasible)
Cervix not visible	TZ 1 (TZ completely visible, completely ectoc.)	TZ 2 (TZ completely visible, endoc. share)	TZ 3 (TZ not completely visible, endoc.)		Colposcopic. not or only limited assessable
SCJ:	Compl. visible		Partially visible	Not visible	
Orig. squamous epithelium	Columnar epithelium	Atrophy	Deciduosis	Nabothian cysts	Normal colposcopic findings
Transparent acetic reaction				Crypt (gland) openings	
Inside the T-zone	Outside the T-zone	Number of quadrants	Percentage of cervix (%) 25	Clock position	
Condyloma	Inflammation	Polyp	Stenosis		Miscellaneous
Congenital anomalies	Endometriosis	Post treatment consequence			
aceto-white epithelium	Fine punctuation	Fine mosaic			Minor changes
Dense aceto-white epithelium	Coarse punctation	Coarse mosaic	Rapid appearance of acetowhitening	Sharp border	Major changes
Ridge sign	Inner border sign	Cuffed crypt (gland) openings			
Keratosis	Erosion	Lugol's staining:			Non specific
Level diff.	Atypical vessels	Additional signs:			Suspicious for invasion

The colposcopy report template is filled in by clicking on the fields. Doing so will activate or deactivate the fields. Entering values or free text activates the respective field.

5.3.2 Image reporting

Image reporting can be done either by entering free text or by dragging and dropping the text templates listed on the right.



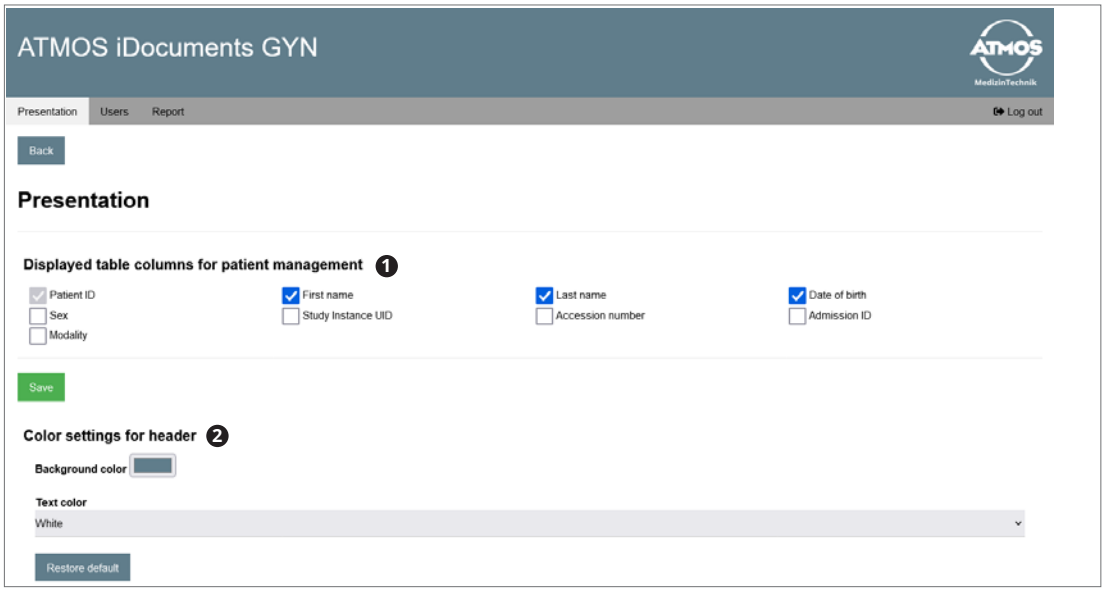
❶	Images can be deselected here so that they are not printed on the report.
❷	Downloads the recording to a local directory.
❸	Opens the image editor; see chapter “5.2.1 Image editor” on page 22.
❹	Deletes the recording.
❺	In this field, an image description can be entered as free text or by dragging and dropping the text templates listed on the right.
❻	Text templates can be filtered here.
❼	The global text templates set in the administrator settings are displayed here.
❽	The user text templates set in the user settings are displayed here.
❾	The activated fields from the colposcopy report template are displayed here.

5.3.3 Finalizing the report

❶	Field for entering a diagnosis.
❷	Activates or deactivates the preview of the PDF report before the report is exported.
❸	Activates or deactivates an additional export of the recordings as an image file.
❹	Finalizes the report.

6 User settings

6.1 Presentation

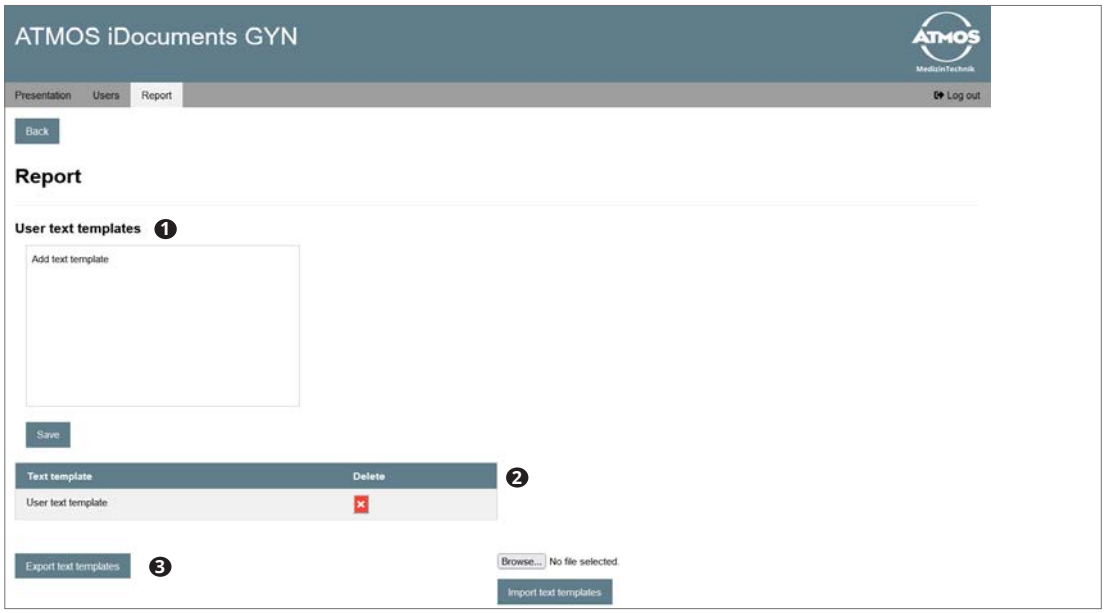


❶	Here you can set which table fields are to be displayed and which are to be hidden during patient management.
❷	Color settings for the header on the user page. The changes are automatically saved when you make them. Clicking on the “Restore default” button will restore the original values.

6.2 User

❶	The user's data can be changed in this area. If the title, first name and last name fields are filled in, this information will also be printed on the PDF report.
❷	The user's password can be changed here.

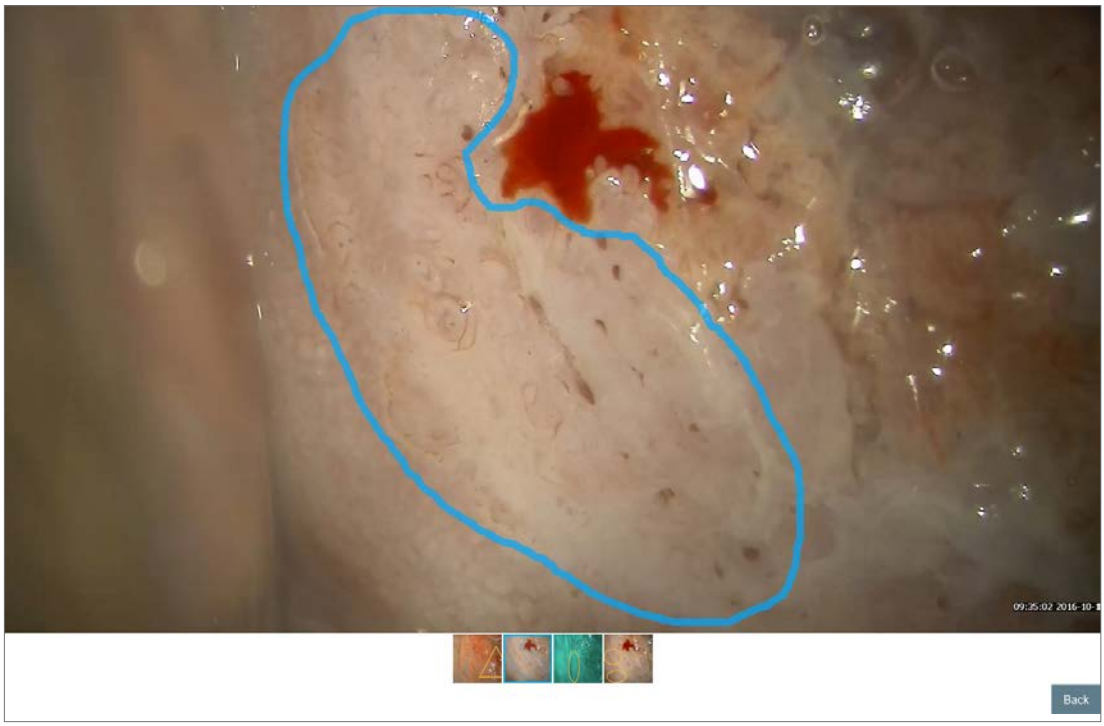
6.3 Report



❶	In this field, text templates can be defined that can be used for describing the images contained in the report. These text templates are only available to the current user.
❷	All of the user's text templates are displayed here. Individual text templates can be deleted.
❸	The user's text templates can be exported and imported here.

7 Viewer

The viewer displays the images of the currently selected patient. If no patient is selected, the logo defined in the administrator area is displayed. When a new image is recorded or a recorded image is edited, the viewer is refreshed and the last recorded or edited image is displayed. By clicking the “Back” button, the user returns to the patient management page.



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