

Instructions For Use

Histolog[®] Viewer

version 2.1.0

REF 006



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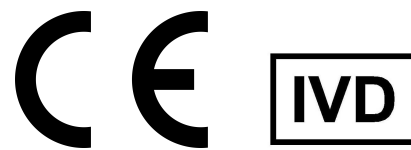
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See www.samantree.com/ip for more information on intellectual property.

The Histolog[®] Viewer software might contain components or modules that are open source or commercial software programs. For copyright and other notices and licensing information regarding such software programs used in the Histolog[®] Viewer software please see the contents of the "license" folder installed by the Histolog[®] Viewer installer on your computer file system in the same location where the Histolog[®] Viewer software was installed.

1. Revision History

Version	Date	Change description
1.0	2020-12-18	New document for Histolog [®] Viewer version 2.0.0 and Histolog [®] Guide version 1.1.1.
1.1	2021-03-12	Refined version of the document with more detailed explanations of the Histolog Viewer functionalities.
1.2	2025-05-19	New version of the document with updates for Histolog [®] Viewer version 2.1.0.
1.3	2025-05-27	Update of Notes in Sections 8 and 12. Add information about incident reporting to Section 4. Revise UKRep contact details.

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3. Explanation of symbols

	UDI (Unique Device Identification) product code
	Manufacturer
	Manufacturing date
	European Community Authorised Representative
	In vitro diagnostic medical device
	Device complies with European Directive 98/79/EC
	Product meets the necessary requirements for sale in Great Britain
	Catalog Number
	Consult Instructions for Use
	A NOTE sign in this manual draws attention to useful information regarding a function or procedure.

4. Product Information

This manual applies to Histolog[®] Viewer version 2.1.0. The version is compatible with the images from the Histolog[®] Scanner software version 3.1.2 and above, until further notice.

The Histolog[®] Viewer is for in-vitro diagnostic use by healthcare professionals.

Report any serious incident related to the Histolog[®] Viewer to [SamanTree Medical \(Switzerland\) SA](#) and to your national competent authority.

4.1. Intended use

The Histolog[®] Viewer is an image management software intended to access, display, annotate, manage, store and share collections of digital Histolog[®] Scanner images and their associated metadata.

The Histolog[®] Viewer is not intended to alter Histolog[®] Scanner original images, nor patient and operator information initially defined on the Histolog[®] Scanner (if present).

5. Installing and uninstalling

5.1. System requirements

Review the information in this section before installing the Histolog® Viewer.

5.1.1. Workstation requirements

Before installing the Histolog® Viewer, make sure that your workstation meets the following “Minimum” requirements:

	Recommended	Minimum
Processor	Intel Core i7 6th generation CPU or equivalent	-
Free Disk Space	50GB	10GB
Memory (RAM)	16GB	8GB
Supported Operating Systems	Microsoft Windows 10 (64-bit) Apple macOS 10.13 or later.	Microsoft Windows 7 (64-bit) Apple macOS 10.12.
USB port	USB 3.0 port (with full access rights to USB drives)	USB port (with full access rights to USB drives)
Network connectivity	Gigabit Ethernet (1000 Mbps) or Wi-Fi 5 (802.11ac) or Wi-Fi 6 (802.11ax)	Fast Ethernet (100 Mbps) or Wi-Fi 4 (802.11n)
Input devices	Mouse and keyboard	Mouse (or touchpad) and keyboard

5.1.2. Monitor requirements

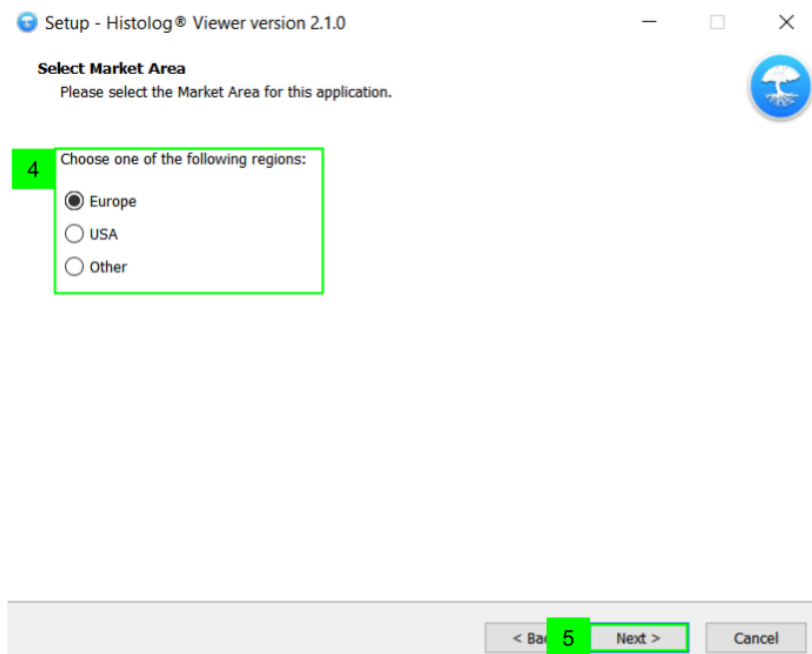
Before installing the Histolog® Viewer, make sure that your monitor meets the following “Minimum” requirements:

	Recommended	Minimum
Resolution	1920 x 1080 (Full HD) pixels	1680 x 1050 pixels
Scaling Factor (OS Display)	Must be configured to 100%	Must be configured to 100%

5.2. Installing Histolog® Viewer

Install the Histolog® Viewer by following the steps below:

- Obtain from your authorized contact the Histolog® Viewer installer file (.exe on Microsoft Windows, .pkg on Apple Mac)
- Double click the installer file to start the installation wizard
- Follow the instructions on your screen
- Choose a Market Area for the installation
- Process with the installation flow



NOTES

- Before installing Histolog® Viewer, make sure your workstation and monitor meet the minimum requirements of the [System Requirements](#) section.
- Before installing, the Histolog® Viewer installer will verify that the minimum requirements of the [System Requirements](#) section are met before proceeding with the installation.
- If during installation you see messages from your operating system or from third-party softwares, you should consult your network administrator for help resolving these issues before continuing.

5.3. Uninstalling Histolog® Viewer

For Microsoft Windows:

To remove Histolog® Viewer follow the instructions on uninstalling an application of your operating system.

For Apple Mac:

Run the uninstaller located under “Histolog Viewer” in your “Applications” folder.

6. Starting and exiting

6.1. Starting Histolog[®] Viewer

For Microsoft Windows:

Double click on the Histolog[®] Viewer short-cut

or

Click the “Windows Logo” on the Windows taskbar and select “Histolog Viewer”.

For Apple Mac:

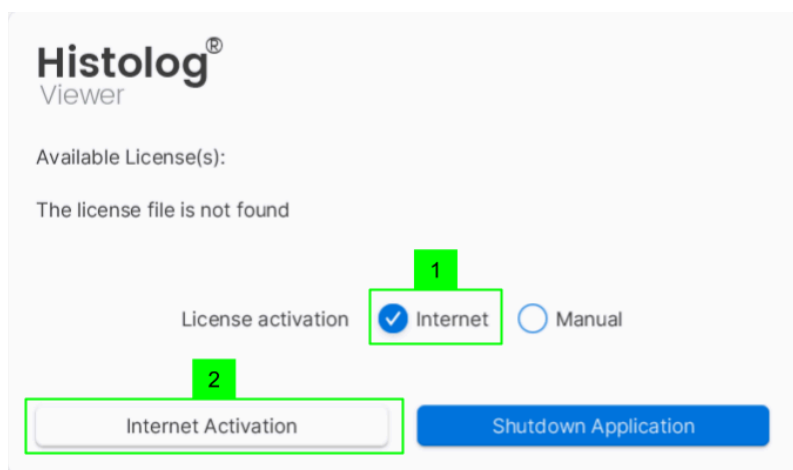
Click on the Histolog[®] Viewer short-cut

or

Go to your “Applications” folder, open “Histolog Viewer” folder and run the “Histolog Viewer”.

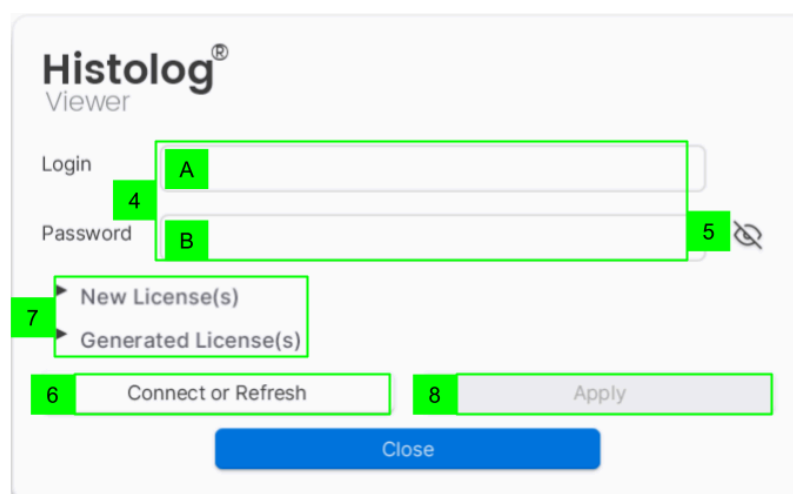
6.2. Activating Histolog[®] Viewer License

License activation is required during the initial launch of the Histolog[®] Viewer application and after a previous license expiry. The Activation window is displayed after the application start-up.



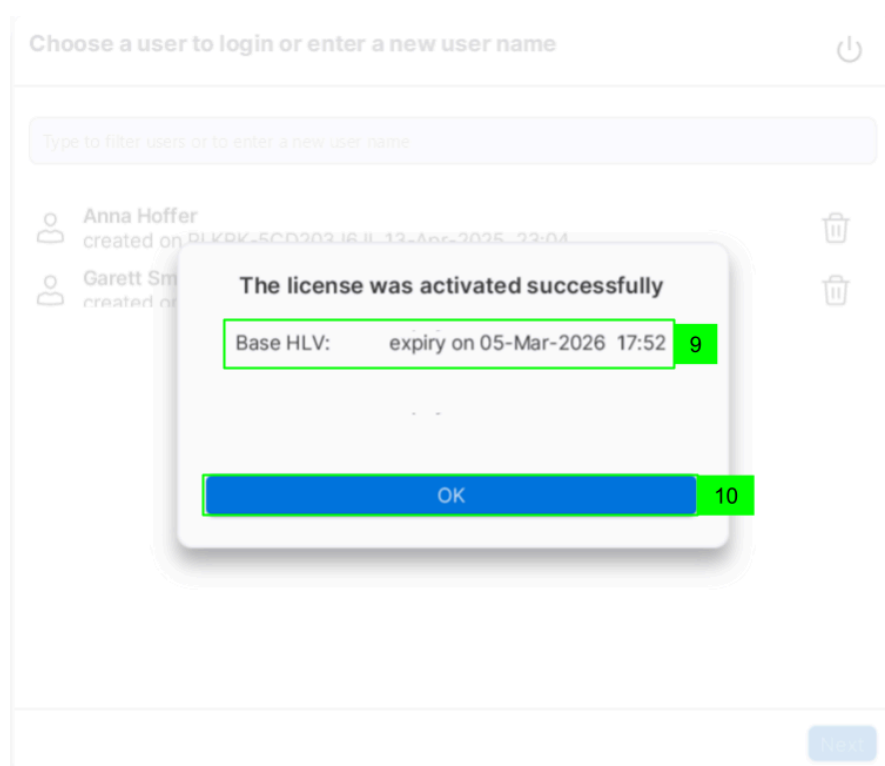
There are two options to activate the Histolog[®] Viewer license:

1. Choose “Internet” as the activation option
2. Click the “Internet Activation” button
3. View the “Login” form



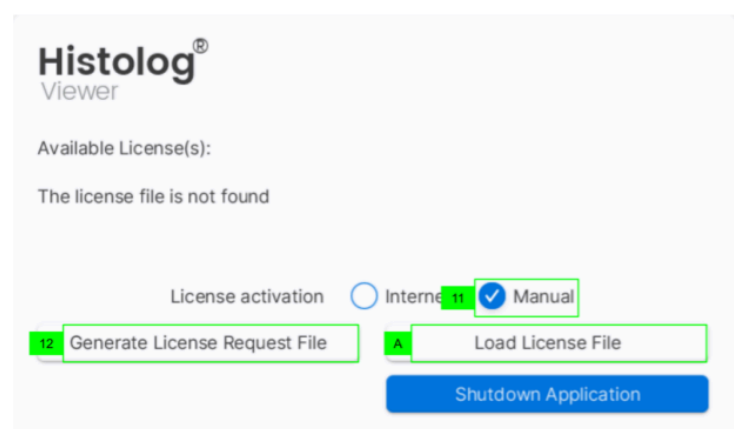
4. Input login (A) and password (B) provided by your authorised contact
5. Click “View/hide” icon to view the input password (optional)
6. Click “Connect or Refresh” button

7. Choose a license from the displayed list by clicking on it
8. Click “Apply” button

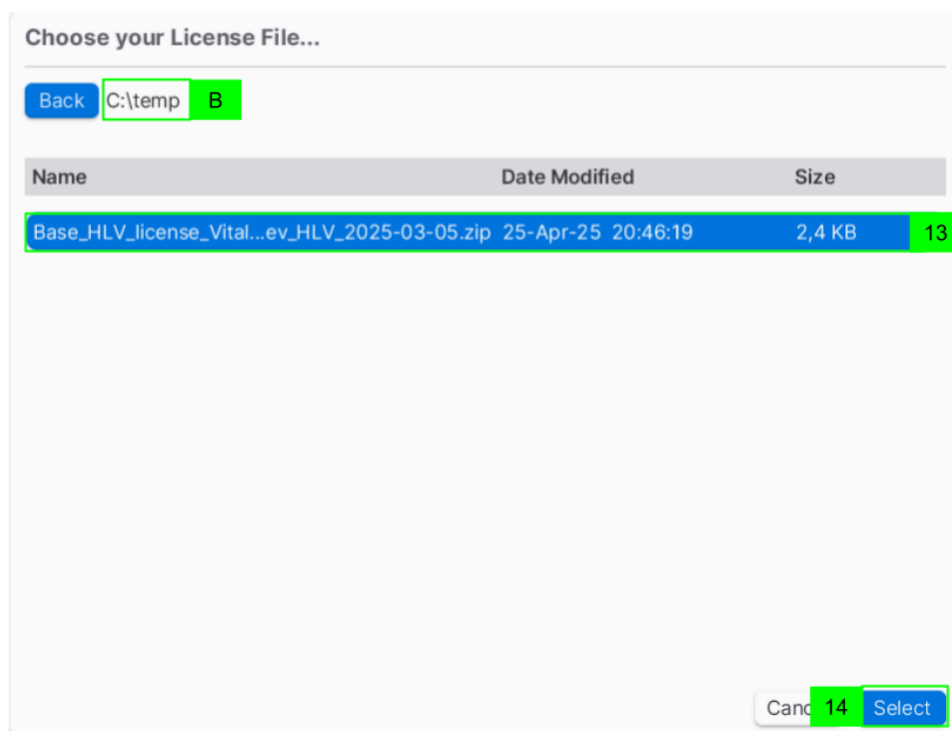


9. Review the applied license conditions
10. Click “OK” button to finish the procedure

Alternatively,



11. Choose “Manual” as the activation option
12. Generate License Request File by clicking on the corresponding button and storing the request file in a convenient place.
 - a. On a computer connected to the internet, log in to SamanTree Medical’s License Management System (lms.samantree.com).
 - b. Find a license that was made available for your Histolog Viewer installation.
 - c. Generate the license by uploading the license request file to the License Management System.
 - d. Download the generated license.
13. Click the “Load License File” button.
14. Upload the license archive file that you downloaded from the License Management System using the file chooser in a correspondent folder (B).
15. Click the “Select” button

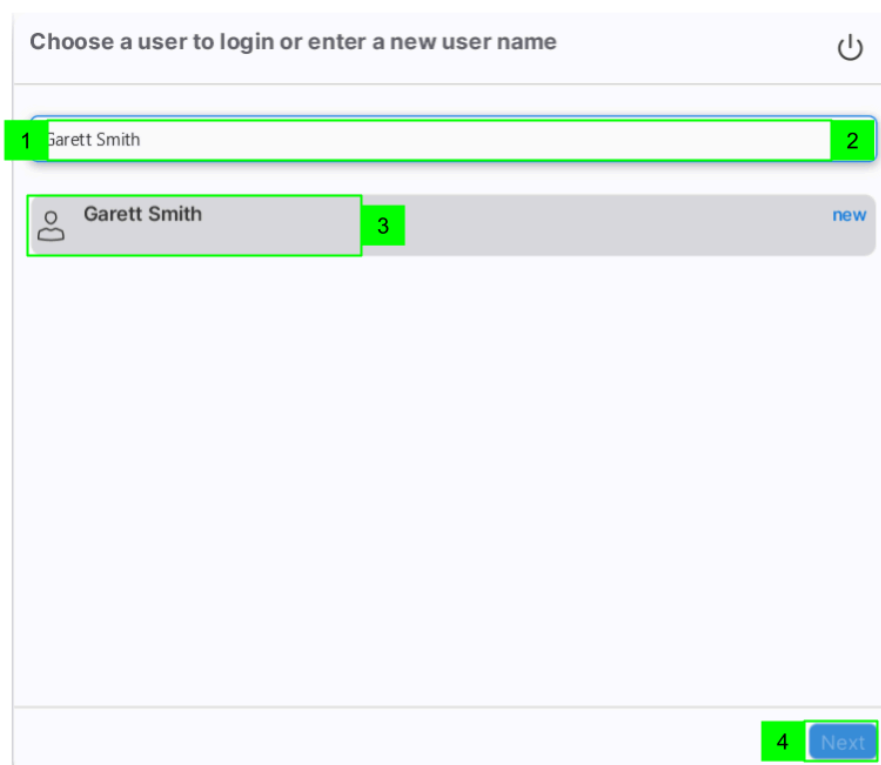


16. Review the applied license conditions
17. Click the “OK” button

6.3. Logging in

The user login window appears after starting Histolog[®] Viewer.

6.3.1. Creating a new user and logging in



1. Click in the textbox
2. Write the name of the new user

NOTE Typing the name will add it as a user to the list with the “New” mark

NOTE Typing a string of characters in the textbox (A) will filter the content of the list to show only user names containing that string of characters.

3. Choose the user from the list
4. Click “Next”

5. View the “Create password for the new user” form
6. Click in the textbox “Enter password”
7. Input new password

NOTE Password can be on any of any length and is case sensitive

8. Click in the textbox “Confirm password”
9. Confirm password
10. Click the “View/hide” icon to view/compare passwords (optional)
11. Click “Create” button

6.3.2. Logging in with an existing user

1. Select the user in the list

NOTE Typing a string of characters in the textbox (A) will filter the content of the list to show only user names containing that string of characters.

2. Click “Next” or double click the name of the user

3. View the “Enter password” form

4. Input password

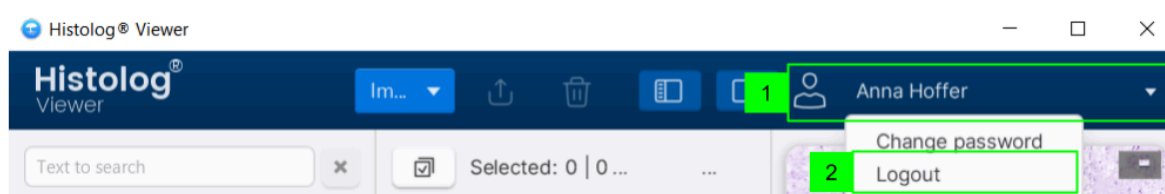
NOTE Password rules are the same as in [p.6.3.1](#)

5. Click the “View/hide” icon to view input password

6. Click “Login”

6.3.3. Logging out

Use this option from the User Account menu when being logged in to the Histolog[®] Viewer application.



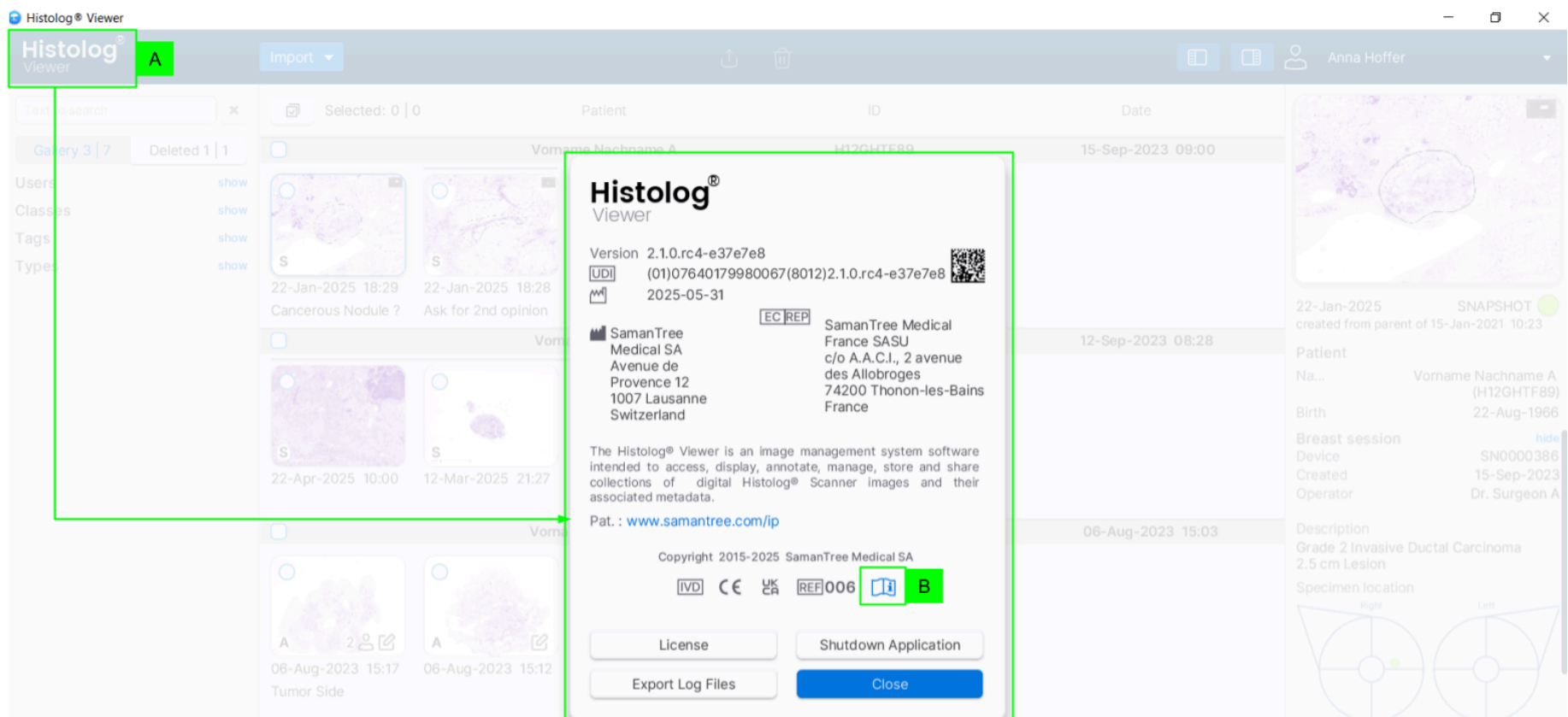
1. Click “User Account” menu

2. Choose the “Logout” option

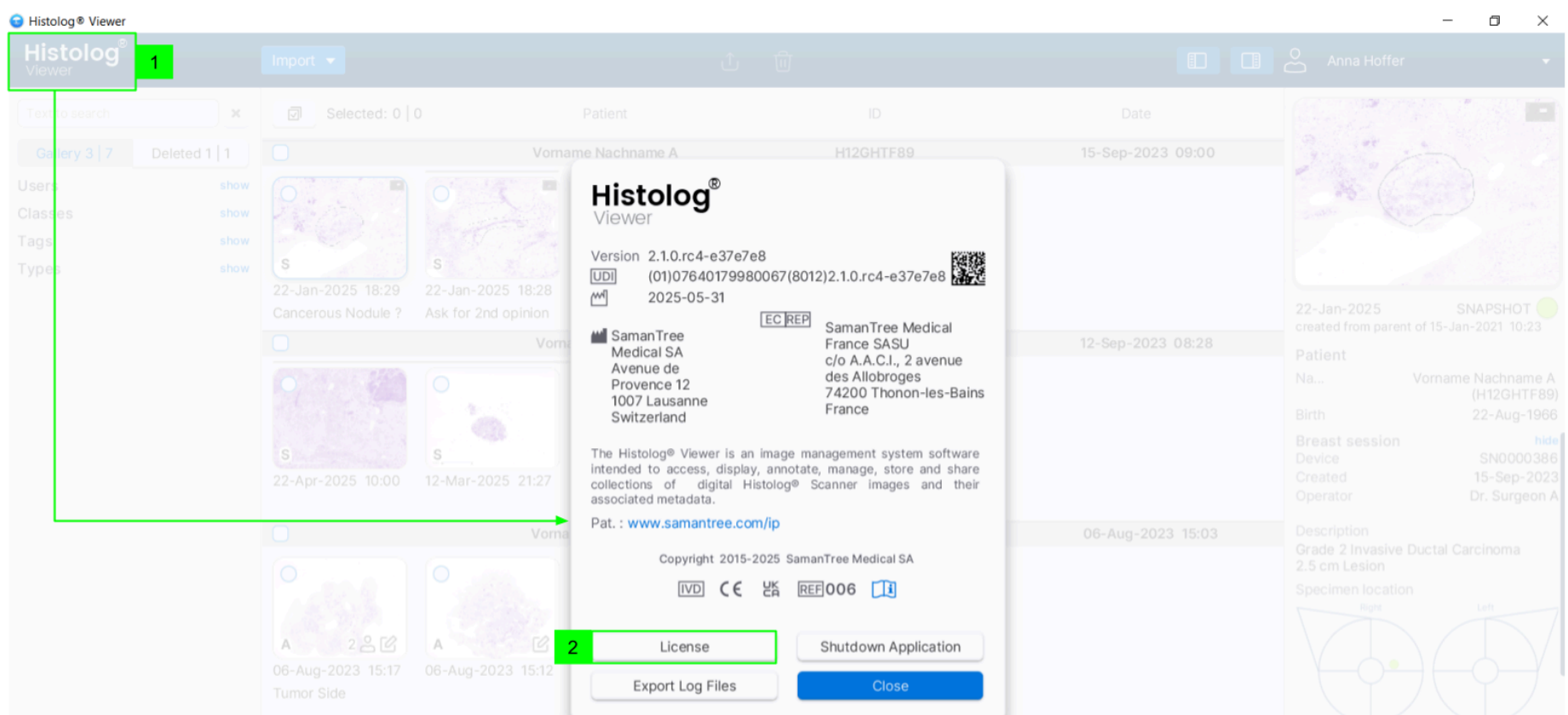
3. View the user login window

6.4. Viewing product information (in the About window)

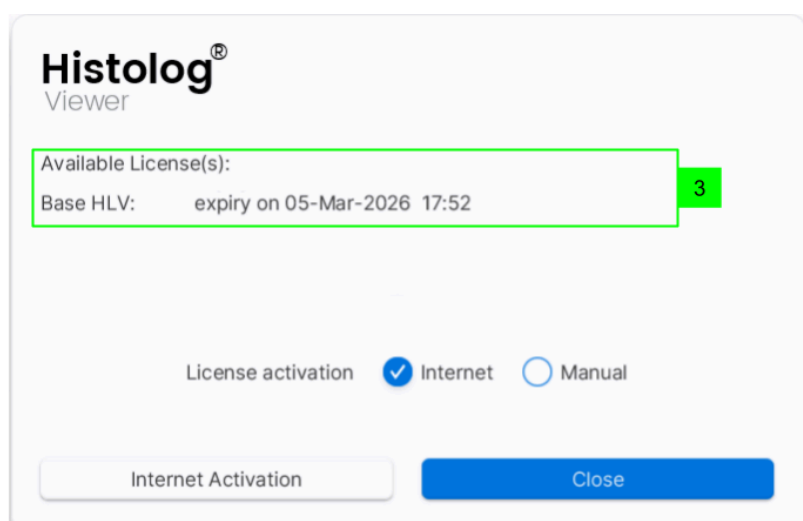
Information about the Histolog[®] Viewer is available during the start-up procedure when launching the software or by clicking on the Histolog[®] Viewer logo (A). User can open the Instructions for Use by clicking the corresponding icon (B).



6.5. Viewing License Information

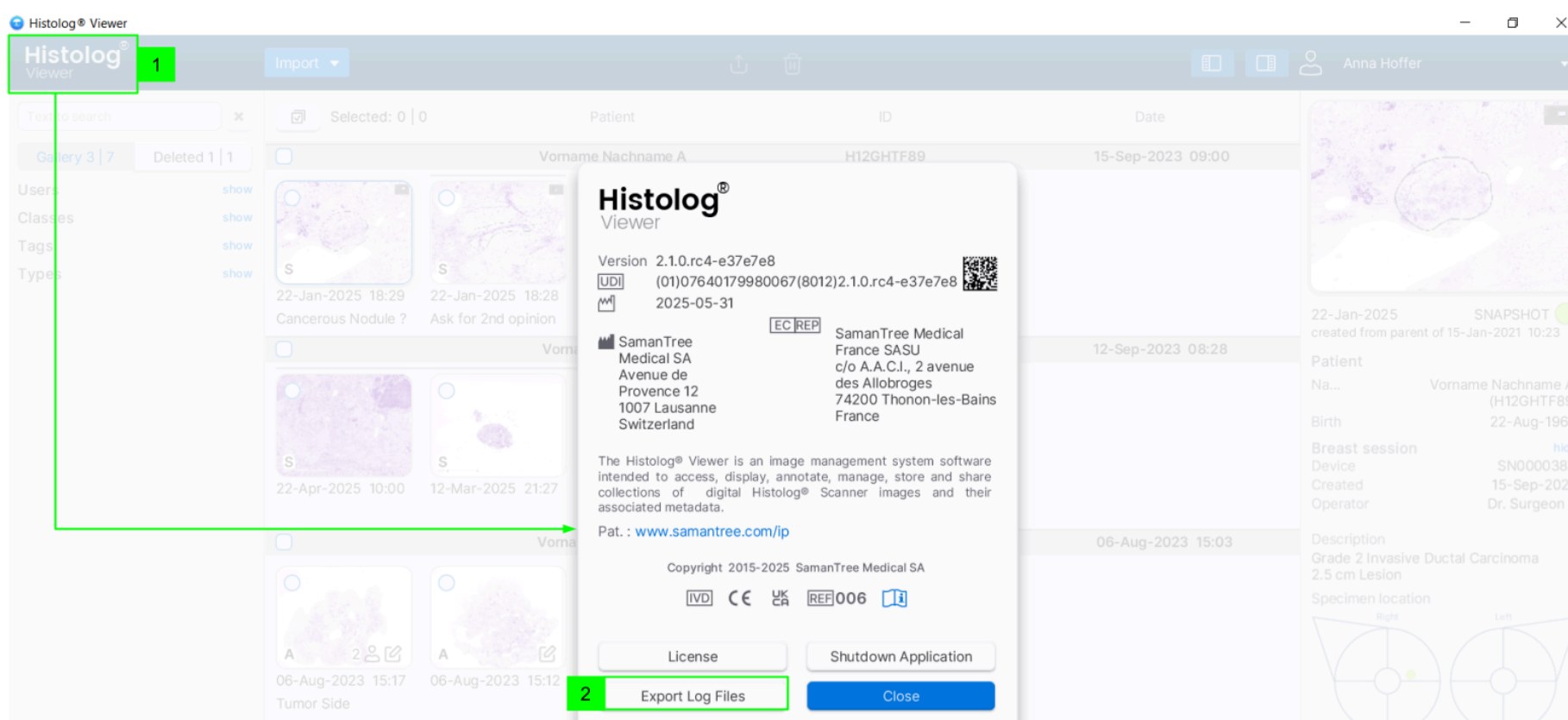


1. Click the “Histolog® Viewer” logo to open the About window
2. Choose the “License” option
3. View the information about current licenses and activation methods used



NOTE User can start activating new licenses according to [p.6.2](#)

6.6. Exporting Log files

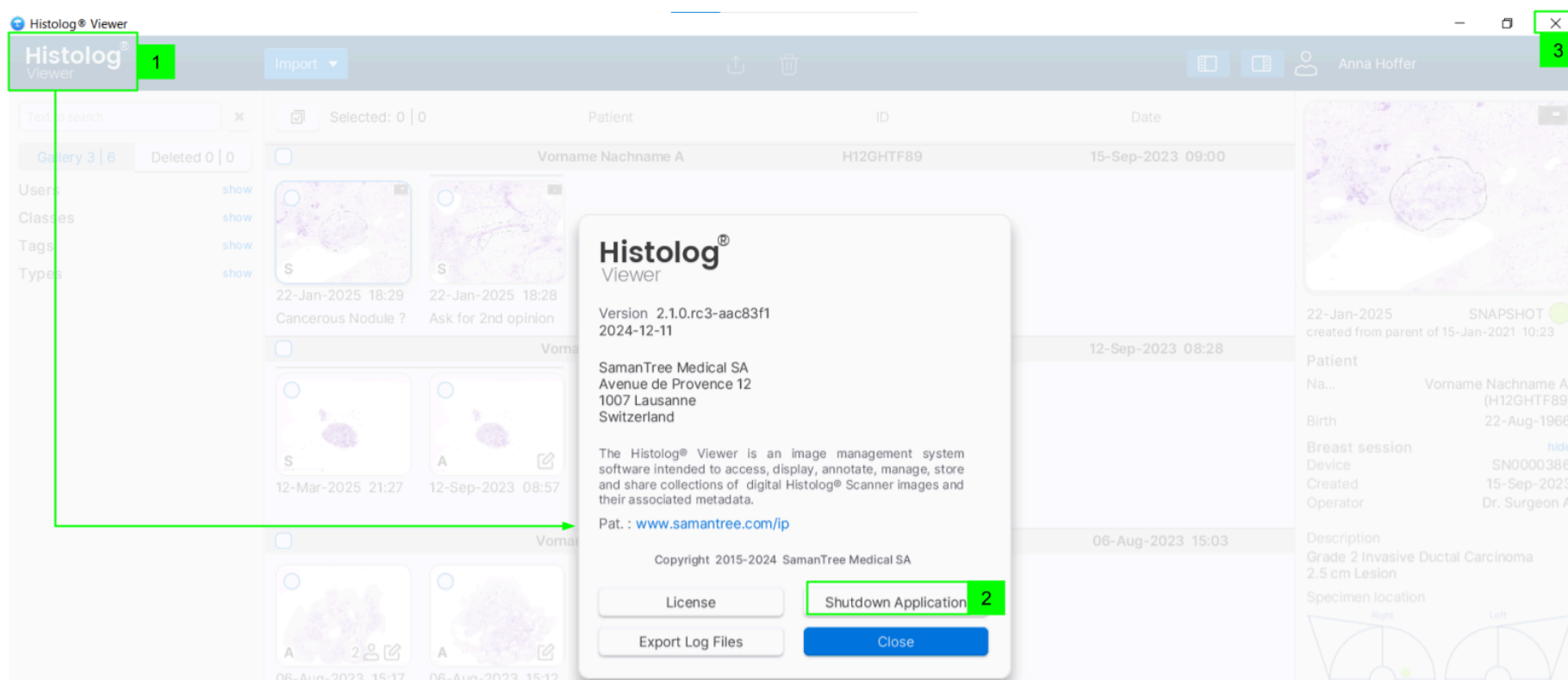


1. Click the “Histolog® Viewer” logo to open the About window
2. Choose the “Export Log Files” option
3. Select the folder to save the logs
4. View the exporting process

NOTE User can interrupt the exporting process by aborting it with the corresponding option.

NOTE User can find the exported logs in the selected folder.

6.7. Exiting Histolog® Viewer



There are three options to exit the Histolog® Viewer application:

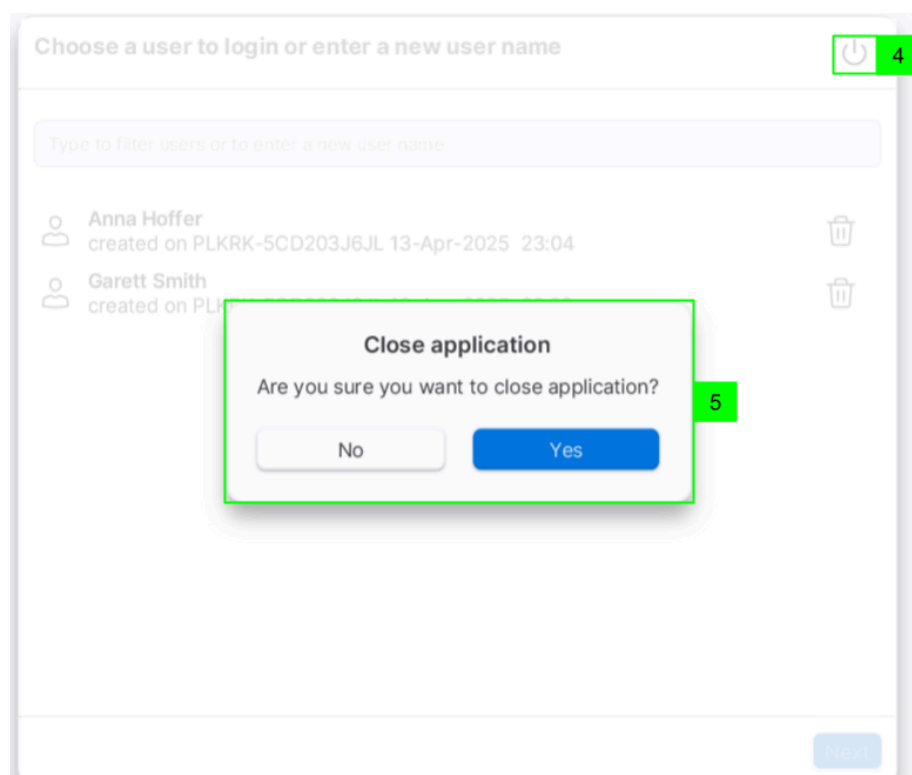
1. Click on the Histolog® Viewer logo to open the About window
2. Click “Shutdown Application”.

Alternatively,

3. Click the X button at the top-right (for Microsoft Windows) or top-left (for Apple Mac) corner of the Histolog® Viewer to close it.

Or alternatively,

4. Click the “Power” icon on the Login screen
5. Confirm exiting the app



7. Managing user accounts

The Histolog[®] Viewer implements a user account management system to associate actions made on images (e.g., importation or annotation) to a user. As such, it is necessary to log in with a user account (see [Login](#) section) for using the Histolog[®] Viewer.

NOTES

- The user accounts are not password protected and should not be considered as a security barrier.
- The user account management system does not control which content is made available to which users. All users of a given Histolog[®] Viewer have access to all data contained in it.

7.1. Creating a new user account

New user accounts can be created from the Login screen.

7.1.1. Creating a new user account at login

Creating a new user and logging in

The screenshot shows the login interface with the title "Choose a user to login or enter a new user name". At the top right is a power icon. Below the title is a text input field containing "Garett Smith", with a green box labeled "1" on the left and a green box labeled "2" on the right. Below the input field is a list of users, with the first entry "Garett Smith" highlighted in grey and marked with a green box labeled "3" and a blue "new" tag. At the bottom right is a blue "Next" button with a green box labeled "4" next to it.

1. Click in the textbox
2. Write the name of the new user

NOTE Typing the name will add it as a user to the list with the “New” mark

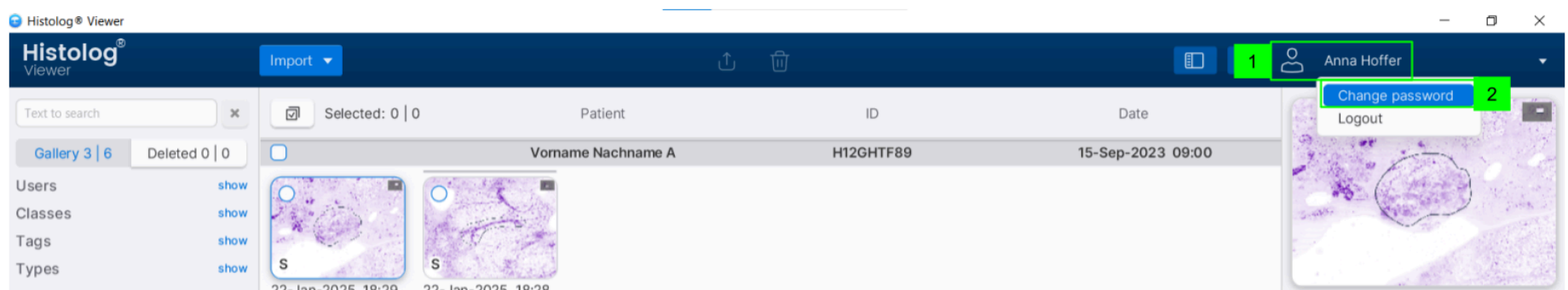
NOTE Typing a string of characters in the textbox (A) will filter the content of the list to show only user names containing that string of characters.

3. Choose the input user name from the list
4. Click “Next”

5. View the “Create new user” form
6. Click in the textbox “Enter password”
7. Input new password
8. Click in the textbox “Confirm password”
9. Confirm password
10. Click the “View/hide” icon to view/compare passwords (optional)
11. Click the “Create” button

7.1.2. Managing user password

This option is available after the user has logged in into the Histolog[®] Viewer application.



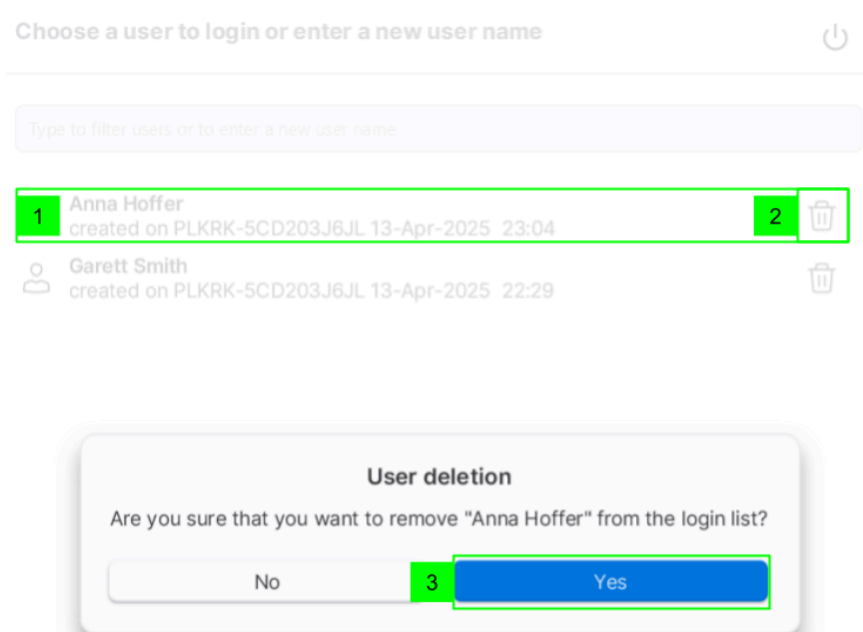
1. Click “User Account” menu
2. Choose the “Change password” option

3. View the user login window
4. Input current password

NOTE Password rules are the same as in [p.6.2.2](#)

5. Input new password
6. Confirm new password
7. Click the “View/hide” icon to view/compare passwords (optional)
8. Click the “Apply” button
9. Continue session with password changed

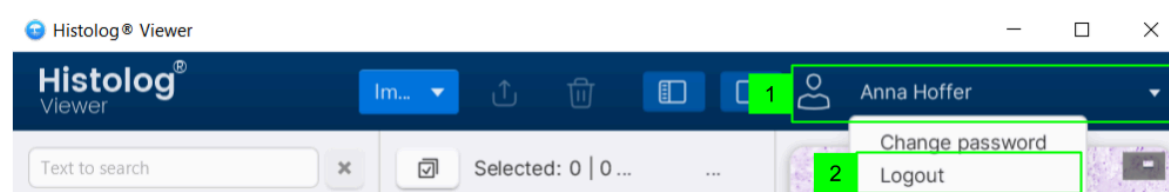
7.2. Deleting a user account



1. Choose a user in the Login form
2. Click the “Trash” icon
3. Confirm deleting the user in the dialog window
4. View the list of users without the deleted user account

NOTE The user accounts are listed in case insensitive alphabetical order.

7.3. Changing user account



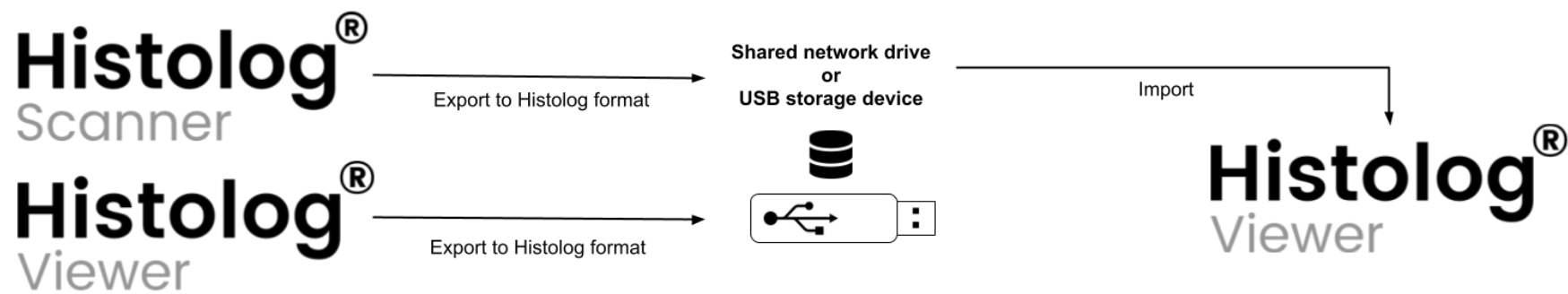
1. Click “User Account” menu
2. Choose “Logout” option
3. View the user login window
4. Follow the [p.6.3.1](#) or [p.6.3.2](#) flow

NOTE The user accounts are listed in case insensitive alphabetical order.

8. Importing images

NOTES

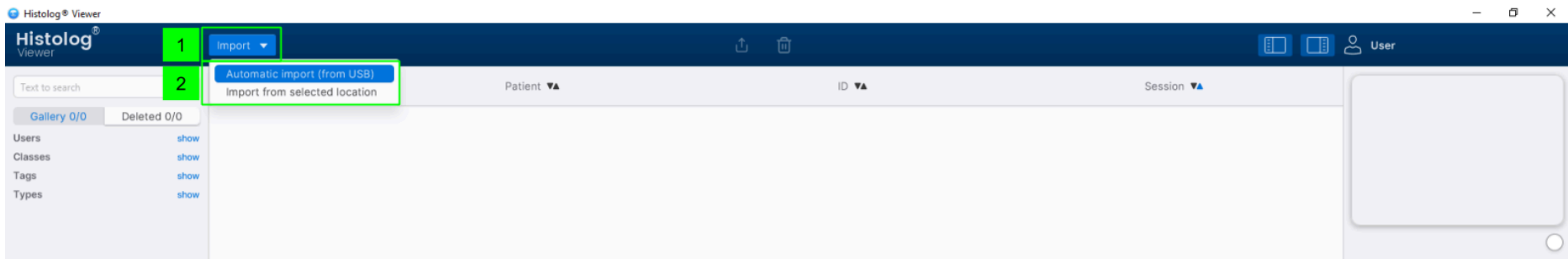
- The Histolog[®] Viewer may only import images exported in the “Histolog” format from a Histolog[®] Scanner or from a Histolog[®] Viewer.



- The time it takes to export/import Histolog[®] Scanner images depends on external factors such as the bandwidth of the network or the USB storage medium used. SamanTree Medical recommends users to test that the remote image review workflow duration (including export/import) is acceptable prior to using the Histolog[®] Viewer for the first time. This is particularly important when using the Histolog[®] Viewer as the primary means to (re)view Histolog[®] Scanner images during a patient procedure (e.g. intraoperatively).

8.1. Selecting location of data to import

- Import images by clicking the “Import” button
- The Histolog[®] Viewer offers two different import modes, which are described in the sections below:
 - Automatic import (from USB)
 - Import from selected location



8.1.1. Automatic import (from USB)

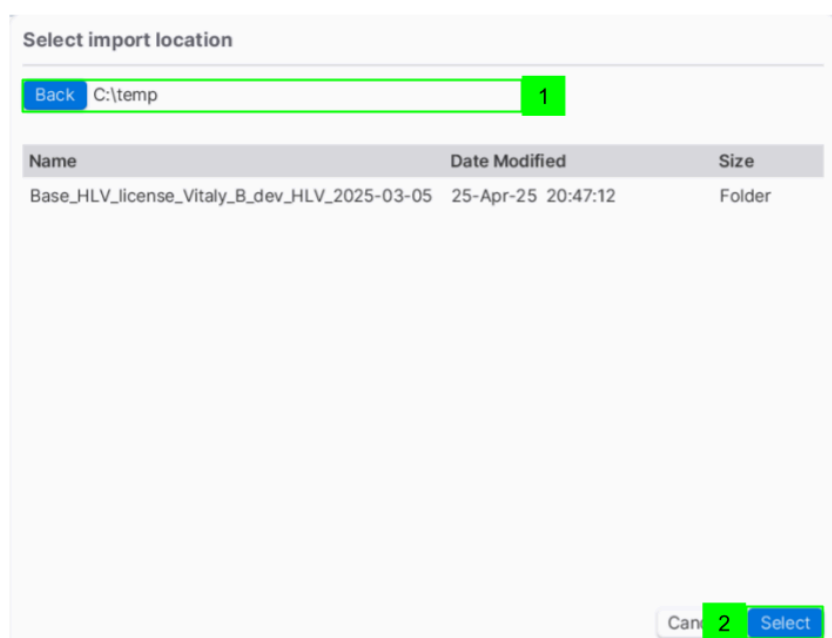
Use this mode to import images that have been exported from a Histolog[®] Scanner device to a USB storage device.

The Histolog[®] Viewer will automatically search all connected USB devices for content that may be imported.

Then proceed to section [Selecting data to import](#) below for selecting the content to be imported.

8.1.2. Import from selected location

Use this mode in all other cases (e.g., to import images exported from a Histolog[®] Viewer application or to import images located on a non-USB storage device). In this mode, the Histolog[®] Viewer will open a file chooser dialog window to explore the drives and folders structure available from your computer.



1. In the chooser dialog window, select the location that contains the exported data by clicking once on the export archive folder
2. Then click on the “Select” button

NOTE The location containing the exported data depends on the source of the data:

- Data exported from a Histolog® Scanner with software application version 3.x are located in a folder named as follows:

Histolog Scanner SNxxxxxxx

where xxxxxxx are numbers from 0 to 9 and where SNxxxxxxx is the serial number of the Histolog® Scanner from which the data was exported.

Select the Histolog Scanner SNxxxxxxx folder or its parent location.

NOTE If the file structure has been manually modified (e.g., if files or folders have been renamed or deleted), it will not be possible to import the data.

- Data exported from a Histolog® Viewer application version 2.x may be in any location. Select the export archive folder named as follows:

Export Histolog Viewer hostname YYYY-MM-DD_HH-MM-SS

where hostname is the name of the computer from which the data was exported and where YYYY-MM-DD_HH-MM-SS is the date and time at which the data was exported.

You may also select the parent location that contains one or more export archive folder(s).

After selecting the export archive folder, the Histolog® Viewer will automatically search that folder for content that may be imported.

Then proceed to section [Selecting data to import](#) below for selecting the content to be imported.

8.2. Selecting data to import

1. Select the content to be imported by clicking on the corresponding checkbox(es)

The selection mechanism obeys hierarchical rules. For example, selecting one “Device” automatically selects its dependent “Sessions”, “Images” and “Versions”.

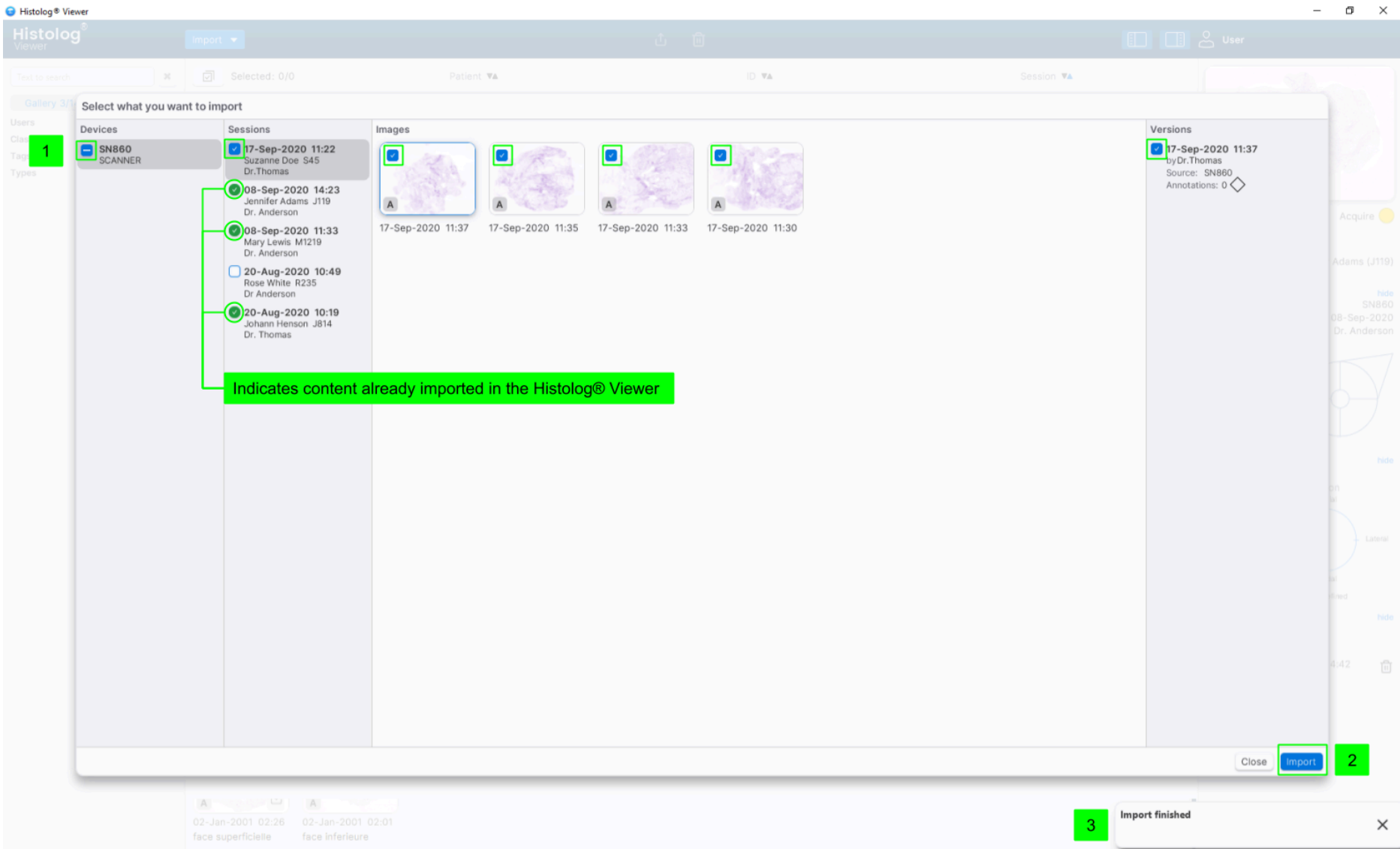
Content that has already been imported in the Histolog® Viewer is identified by a green check mark instead of an empty checkbox and cannot be selected for importation.

2. Click on “Import”

Importing may take several minutes.

NOTE Before importing, the Histolog® Viewer will automatically verify that the available disk space is sufficient. If so, the Histolog® Viewer will proceed to the importation. Otherwise, the Histolog® Viewer will not proceed to the importation and will instead indicate how much free space is needed to import the data.

3. Once the import procedure is completed, the Histolog® Viewer momentarily displays an “Import finished” message in the bottom right corner.



NOTE The Histolog® Viewer displays the importable content according to the following hierarchical structure:

☐ SN860 SCANNER	Devices refer to the Histolog® Scanner device on which the original Histolog® image data was produced. A Histolog® Scanner <i>Device</i> is identified by its serial number, in bold, and by the mention “SCANNER”.
☒ 17-Sep-2020 11:22 Suzanne Doe S45 Dr.Thomas	Sessions refer to an imaging session. One imaging session corresponds to a single clinical case and may be associated with one patient and one operator. Sessions are identified by their date and time, in bold, the patient name and their operator name.
☒  A 17-Sep-2020 11:37	Images may be images of type <i>Acquire</i>, <i>Preview</i> or <i>Snapshot</i>. Images are identified by a miniature thumbnail, their date and time and their type: A: <i>Acquire</i> P: <i>Preview</i> S: <i>Snapshot</i>

17-Sep-2020 11:37 by Dr. Thomas Source: SN860 Annotations: 0	Versions distinguish different data (e.g., data exported at a different time or annotations made by different users) associated with the same image. Versions are identified by their date and time, in bold, username, their source, their number of annotations and their tags.
---	--

9. Managing images

9.1. Arranging Gallery content: sorting/filtering

9.1.1. Sort images



In the gallery screen click on “Patient”, “ID” or “Date” to sort the images accordingly. Click a second time to reverse the sorting order.

9.1.2. Filter images

Images in the gallery screen may be filtered by a keyword or by categories.

Filter by a keyword

1. Enter in the textbox a keyword (e.g. Patient name or Operator name)
2. Only images with associated data containing the keyword will be displayed.

NOTES

- Click on the “x” button next to the text search box to remove the filter.
- The search is not case sensitive.

Filter by categories

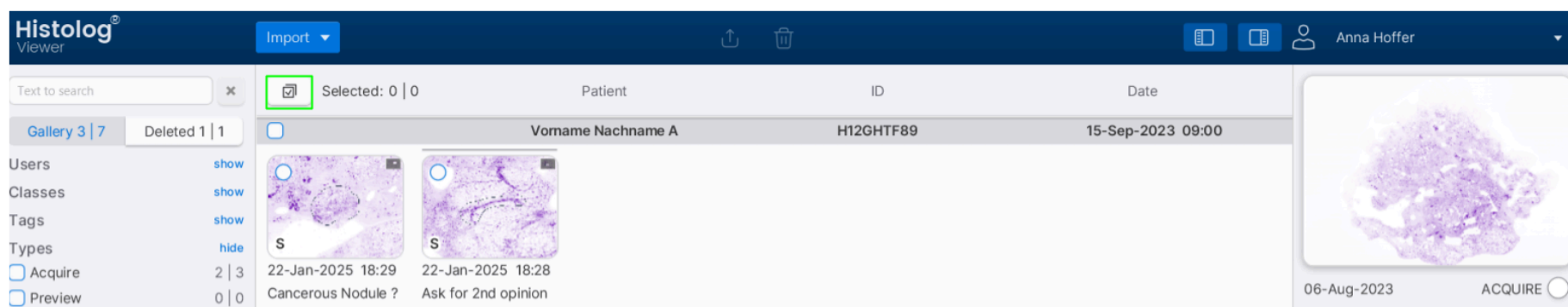
Tags	show
Types	1 hide
☐ Acquire	2 3
☐ Preview	0 0
☐ Snapshot	2 4

1. Click on the word “show” next to the filter category to display the sub-categories
2. Select the sub-categories to filter by

NOTE Deselect the sub-category to remove the filter.

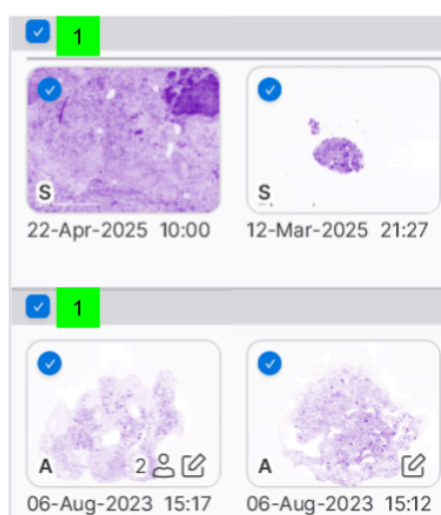
9.2. Selecting images

9.2.1. Select/Deselect all



In the gallery screen click on the “select all” icon to select/deselect all images.

9.2.2. Select/Deselect sessions



In the gallery screen click on the empty session box to select/deselect all images belonging to that session.

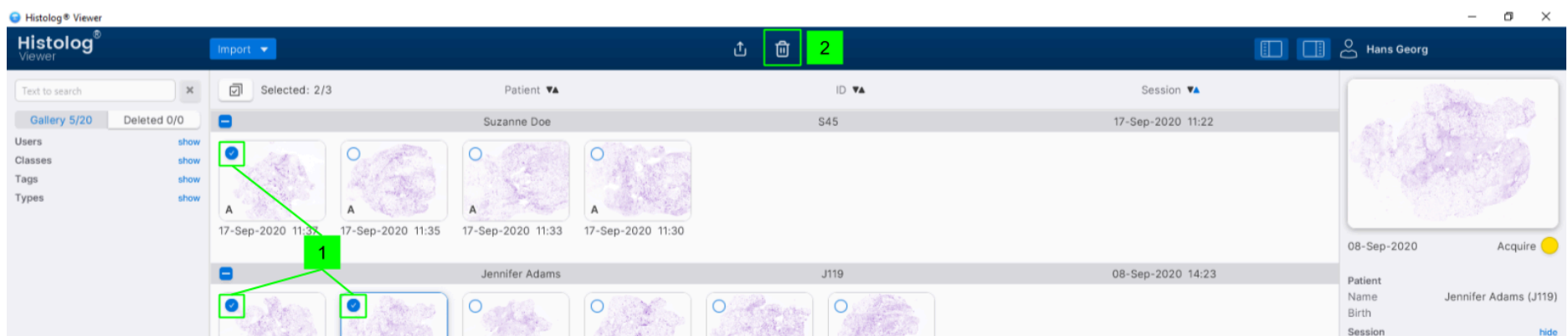
9.2.3. Select/Deselect images



In the gallery screen:

1. Click on an image to select/deselect it
2. To select/deselect several images, hold the “Ctrl” button on your keyboard pressed and click on the images to select/deselect.

9.3. Deleting images



In the gallery screen:

1. Select images as per [Selecting images](#) section
2. Click on the “trash” icon to move the selected images out of “Gallery” and into the “Deleted” content.

NOTE Images are not permanently deleted and may be restored (see [Restoring deleted images](#) section).

9.4. Restoring deleted images



In the gallery screen:

1. Click on the “Deleted” button to show the deleted images
2. Select image(s) as per [Selecting images](#) section
3. Click on the restore icon to move the selected image(s) out of the “Deleted” content and into the “Gallery”.

9.5. Permanently deleting images



In the gallery screen:

1. Click on the “Deleted” button to show the deleted images
2. Select image(s) as per [Selecting images](#) section
3. Click on the delete icon to permanently delete the selected image(s).

9.6. Configuring layout

The left and right panels can be shown or hidden individually.



Click on the left or right panel icon to show or hide it.

9.7. Information panel

The right panel is the information panel. It displays the information about the selected image.

The screenshot shows the Histolog Viewer interface. The right panel, titled 'Information panel', displays details for a selected image. Annotations with green boxes and lines point to specific parts of the interface:

- Show/Hide the entire information panel:** Points to the 'Information panel' title bar.
- Show/Hide the Session information block:** Points to the 'Breast session' section header.
- Show/Hide the Image information block:** Points to the 'Image' section header.
- Show/Hide the Versions information block:** Points to the 'Annotations' section header.
- Delete this image/annotation version:** Points to a trash icon next to an annotation entry.

The information panel content includes:

- Image:** A histology image with a green circle highlighting a region.
- Session:**
 - Device: SN0000386
 - Created: 15-Sep-2023
 - Operator: Dr. Surgeon A
- Image:**
 - Description: Cancerous Nodule ?
 - Specimen surface: A diagram showing a cross-section of a tumor with labels: Cranial, Dorsal, Medial, Lateral, Frontal, Caudal.
- Annotations:**
 - Current annotations: Anna Hoffer
 - 22-Jan-2025 18:29 Dr. Surgeon A

10. Viewing images

Open an image for viewing by double-clicking on its miniature representation in the Gallery.

10.1. Information panel

The right panel is the information panel. It displays the information associated with the image.

10.2. Navigation: Zoom & Pan



Use the scroll button of your mouse to zoom, otherwise use double click to zoom in/zoom out the image, or use the zoom icons (2).

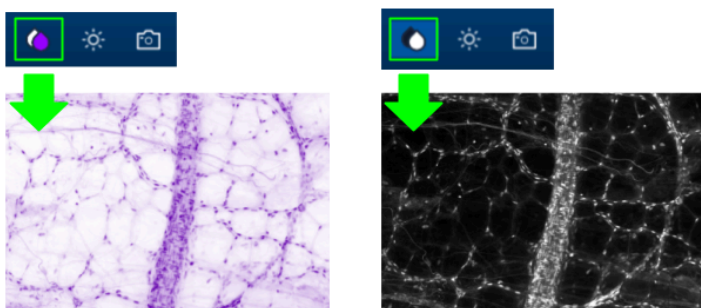
Adapt the image to your screen by clicking on the “Fit to screen” icon (1).

A scale bar (3) is displayed at the bottom left of the image.

10.3. Colormap, contrast adjustment

10.3.1. Colormap

Images may be displayed in color or in greyscale.

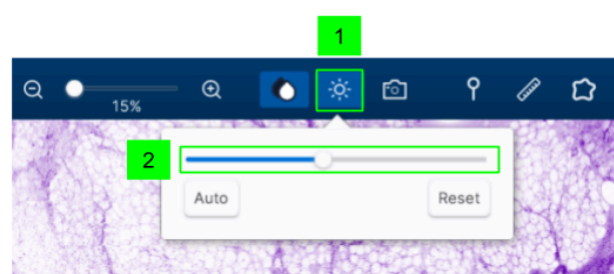


Click on the colormap icon to change the color mode.

10.3.2. Contrast adjustment

The contrast of an image can be adjusted manually or automatically.

Manual adjustment

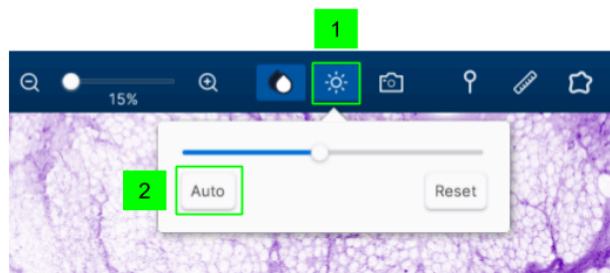


1. Click the contrast adjustment icon
2. Adjust the contrast by using the slider bar

NOTE Reset all the adjustments by clicking the button “Reset”

Auto-adjustment

The auto-adjustment will adjust the contrast relatively to the displayed portion of the image.



1. Click the contrast adjustment icon. This will apply the automatic adjustment.
2. If you apply a manual contrast adjustment, clicking the “Auto” button will apply the automatic adjustment.
3. Automatic contrast adjustment can be performed by clicking on the mouse scroll button.

NOTE Reset all the adjustments by clicking the button “Reset”.

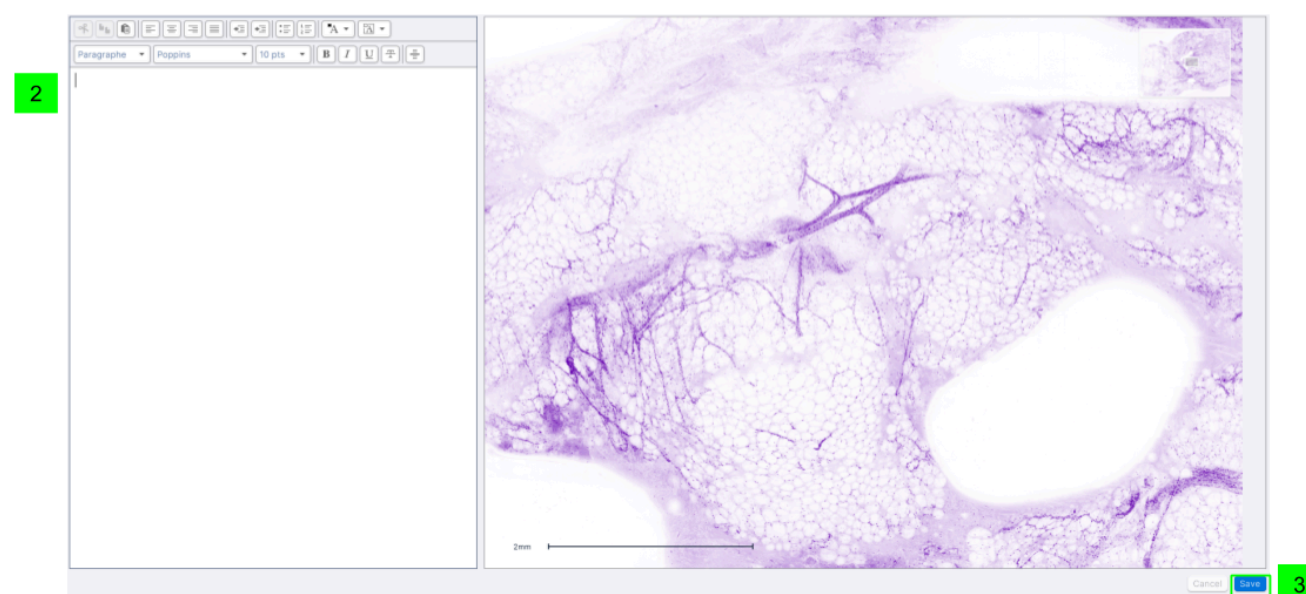
10.4. Configure layout

The right panel can be shown or hidden.



Click on the right panel icon to show or hide it.

10.5. Snapshot



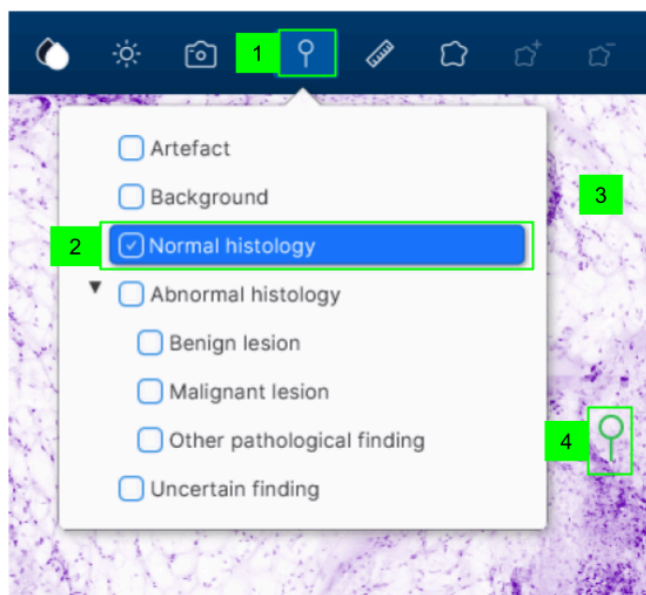
1. Click on the snapshot icon to make a snapshot of the displayed image portion
2. Add a description to the snapshot by using the text editing functions
3. Save the snapshot.

11. Annotating images

Images can be annotated in a multiple way with the Histolog[®] Viewer. These annotations can be recorded permanently to avoid unintentional modifications, and therefore be safely shared with other healthcare professionals.

11.1. Adding annotations

11.1.1. Pinpoint



1. Click on the Pinpoint icon
2. Optional: Select an annotation class

NOTE If no class is selected, the annotation will be displayed as not classified.

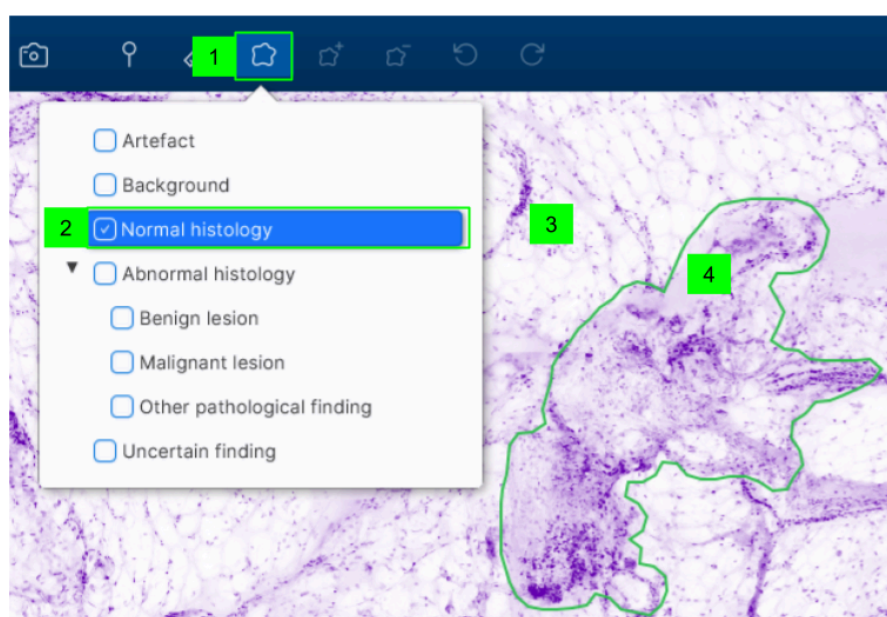
3. Click out of the annotation class window to close it
4. Click on the part of the image to place the pinpoint
5. Optional: Move the Pinpoint annotation by clicking on its circular head and maintaining the mouse button while moving it to the desired location in the image.

NOTE Click on the Pinpoint icon again to stop adding new pinpoints.

11.1.2. Free-Form

The Free-form tool allows to encircle and classify regions of interest in the images.

New Free-Form



1. Click on the Free-form icon

- Optional: Select an annotation class

NOTE If no class is selected, the annotation will be displayed as not classified.

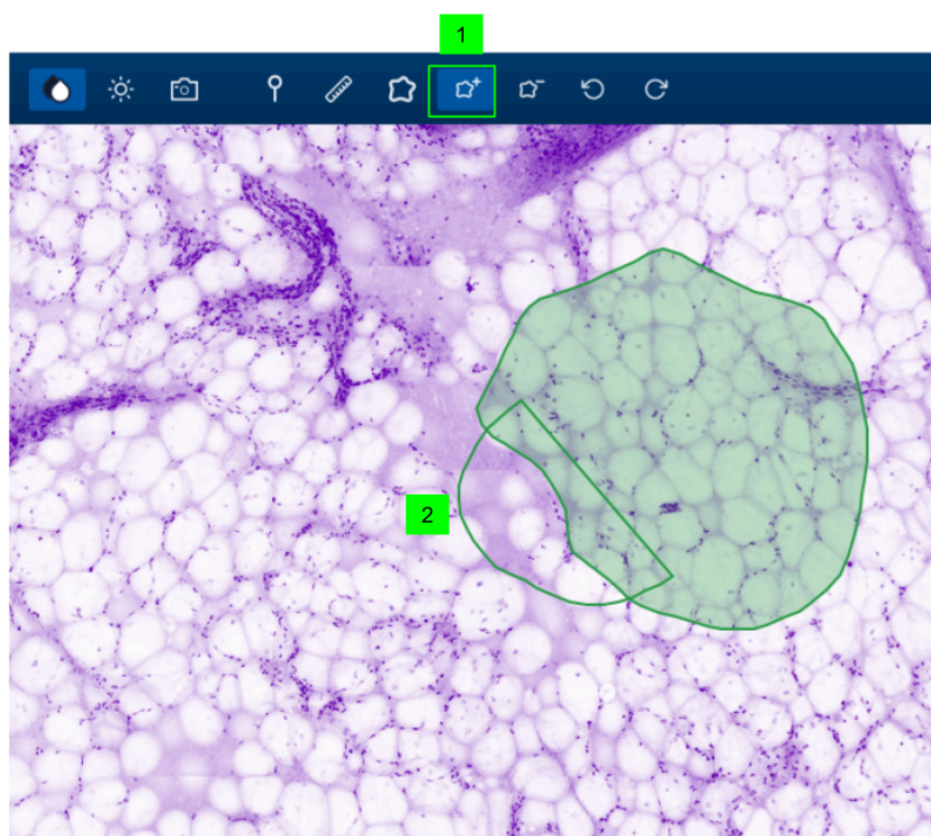
- Click out of the annotation class window to close it
- Draw a free-form by keeping the mouse click-button pressed.

NOTE Click on the Free-form icon again to stop drawing free-forms.

Modify a Free-Form

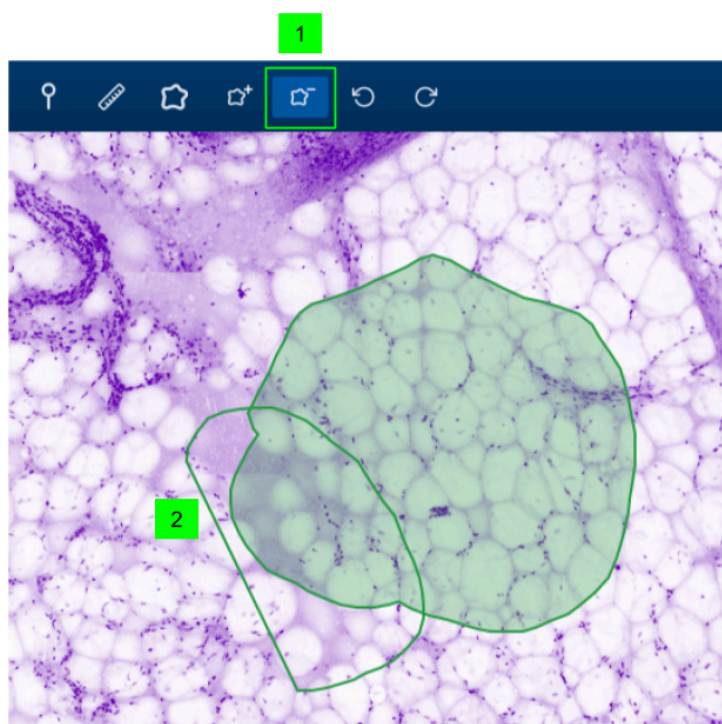
A Free-form may be modified by:

Adding a new segment



- Click on the Free-form + Icon
- Draw the segment to add.

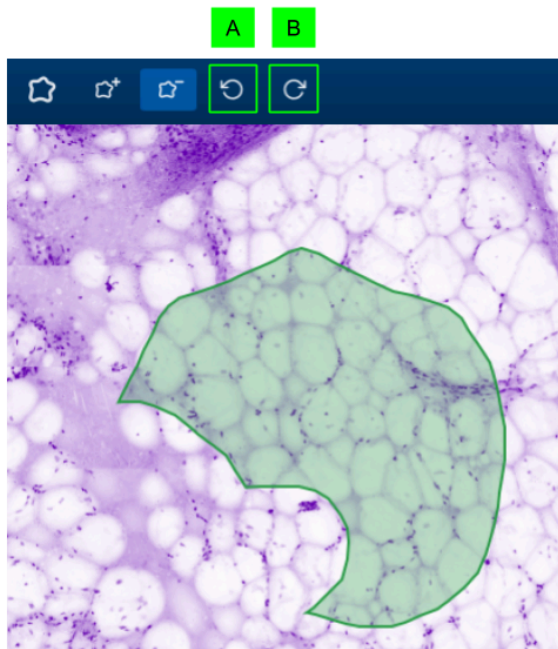
Removing a segment



- Click on the Free-form - Icon

2. Draw the segment to remove.

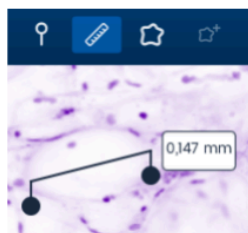
Undo or redo last action



Undo (A) or Redo (B) last action by clicking the corresponding Icon.

11.1.3. Measure

The measuring tool allows to measure distances and to keep these measurements as annotations. The measurements are indicative only.



1. Click on the measurement icon
2. Click and keep pressed the click-button to measure.

NOTE Click on the measurement icon again to stop measuring.

11.2. Text description

A text description may be added to each annotation, individually.



1. Select in the annotation panel (on the left) the annotation to describe
2. Click on “No description” text
3. Write the description in the text box

Alternatively,

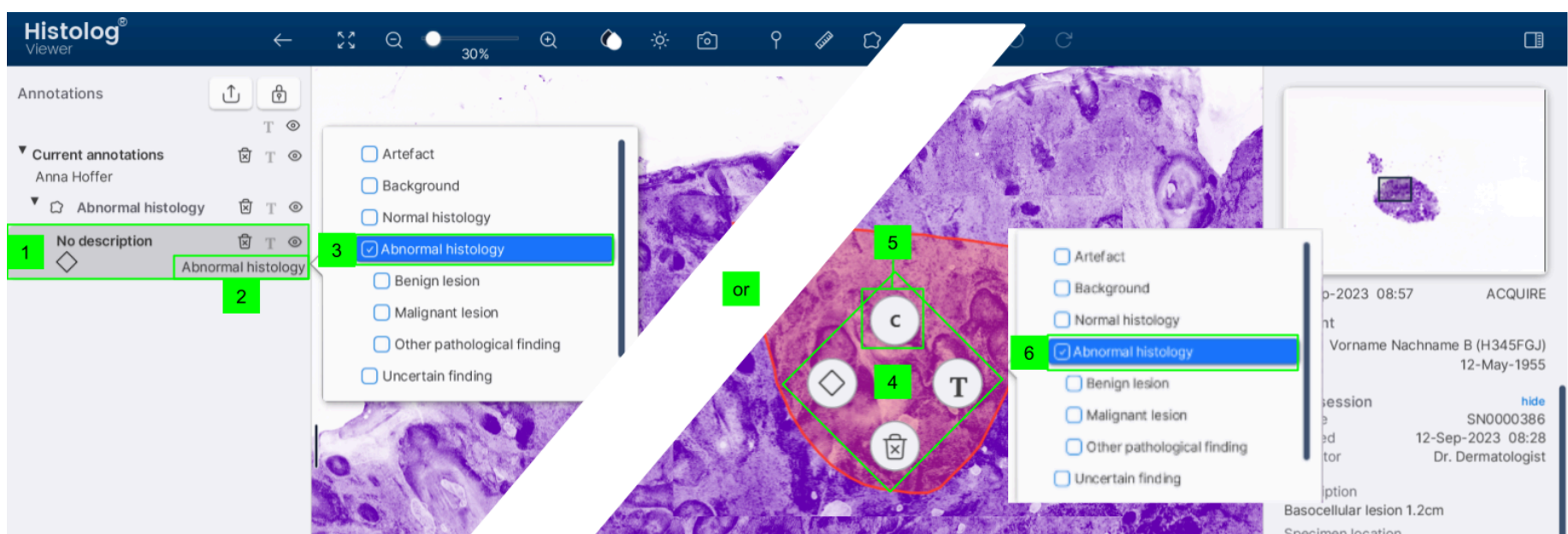
4. Right click on an annotation located in the image to make the annotation edition menu appear
5. Click on the text description icon
6. Write the description in the text box

11.3. Annotation classes

Pinpoint and Free-Form annotations may be assigned one of the predefined classes. The available options are the following:

1. Artefact
2. Background
3. Normal Histology
4. Abnormal Histology:
 - 4.1. Benign lesion
 - 4.2. Malignant lesion
 - 4.3. Other pathological findings
5. Uncertain findings

NOTE Annotations classified as abnormal will be displayed in red, normal ones - in green, uncertain - in orange and the others - in black.



1. Select the annotation to classify or reclassify

2. Click on the annotation class
3. Select the class to assign

Alternatively,

4. Right click on an annotation located in the image to make the annotation edition menu appear
5. Click on class icon
6. Select the class to assign

11.4. Tags

Tags may be created and assigned to annotations to mark some similar areas, or some particular areas for later reviews, or for any other purpose based on your convenience.



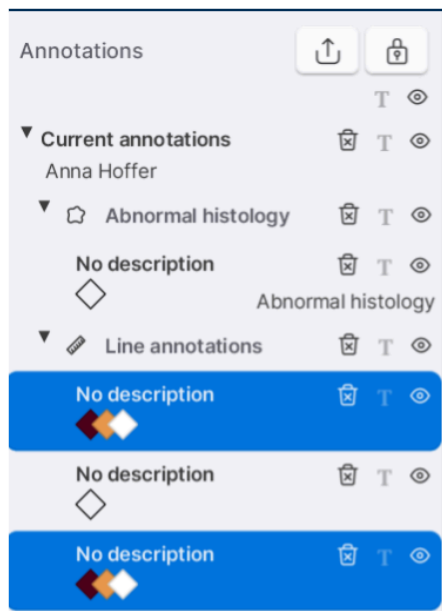
1. Select the annotation to tag
2. Click on the tag icon
3. Assign a tag to an annotation by:
 - a. selecting an existing tag; or
 - b. creating a new tag

Alternatively,

4. Right click on an annotation located in the image to make the annotation edition menu appear
5. Click on the tag icon
6. Assign a tag to an annotation by:
 - a. selecting an existing tag; or
 - b. creating a new tag

11.5. Selecting annotations

Selecting several annotations can be used for performing group actions with the annotations (like deleting or hiding).



- To select an annotation: Click on it in the image or in the annotation panel.
- To select several individual annotations: Press “Ctrl” and click on the annotations to select in the annotation panel.
- To select a list of annotations: Press “Shift” and click on the first and the last annotation of the list.

11.6. Deleting annotations



1. Select one or more annotation(s) to delete on the image or in the annotation panel as per [Selecting annotations](#) section
2. Click on the delete icon

NOTE Several annotations may also be selected and deleted at once.

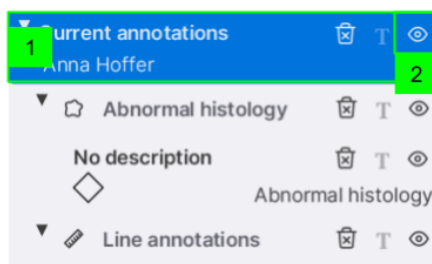
3. Click the “Delete” button to confirm the deletion

Alternatively, to delete a single annotation,

4. Right click on an annotation located in the image to make the annotation edition menu appear
5. Click on the delete icon
6. Click the “Delete” button to confirm the deletion

11.7. Displaying/hiding annotations

Annotations may be displayed or hidden.

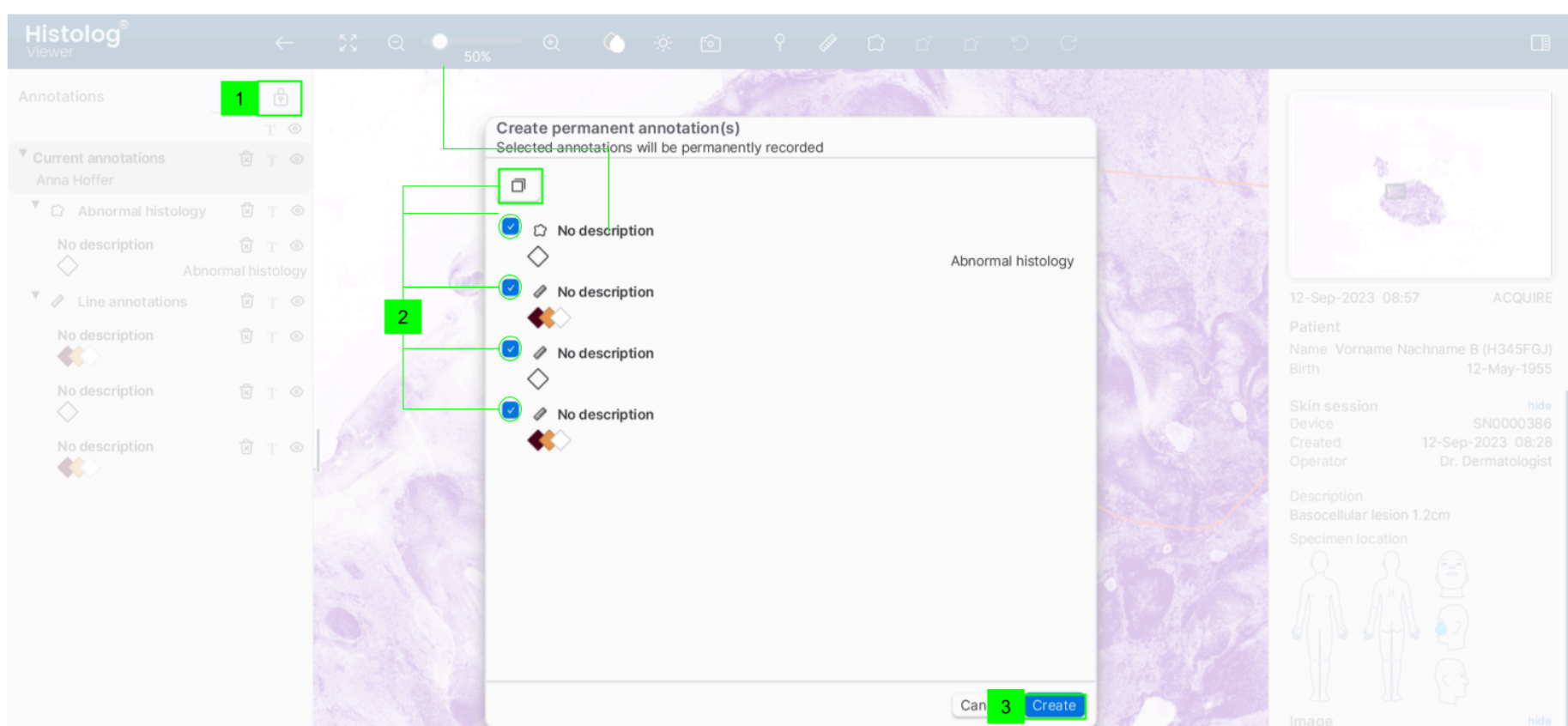


1. Select one or more annotation(s) or permanent version(s) to hide or display
2. Click on the display/hide icon

11.8. Permanent versions:

11.8.1. Create a permanent version

A permanent version may be created out of the current annotations. Annotations of a permanent version cannot be modified anymore.

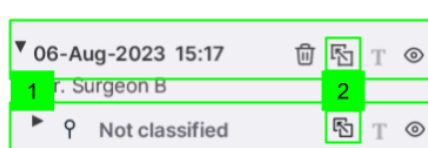


1. Click on the lock icon to create a permanent version of the current annotations
2. Select the annotations to record permanently with the checkboxes (3) or by choosing the “Mark all” (2) icon.
3. Click on the “Create” button

NOTE A permanent version of all current annotations will automatically be created upon export (see [Exporting images](#) section).

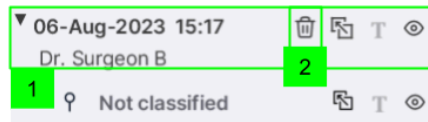
11.8.2. Cloning

Annotations of a permanent version cannot be modified themselves but their clone can be modified. Cloning means that a copy of the permanent annotation is made within the same image.



1. Click on the annotation or permanent version to clone
2. Click on the clone icon

11.8.3. Deleting a permanent version



1. Click on the version to delete
2. Click on the trash icon
3. Confirm the delete action in the pop-up window

NOTE The deleted permanent version will be moved to the Deleted Items. Therefore they can be restored if necessary.

NOTE The deleted permanent version can be removed permanently by deleting them in the Deleted Items gallery.

12. Exporting images

Export may be launched from within the Image Gallery or directly when viewing an image, as described below.

12.1. Export formats

The images and their associated data (e.g. the annotations) may be exported in several formats.

The available export formats are:

	Image	Metadata *	Size **	Remarks
JPEG	✓		15-40 MB	Lossy compression
TIFF (RGB)	✓		250-550MB	Lossless compression Image colored with colormap
TIFF (raw)	✓		824 MB	No compression 16-bit grayscale image
Histolog [®]	✓	✓	875-900 MB	Exported data may be opened with another Histolog [®] Viewer.
PDF Report	✓	✓	2-5 MB	Lossy compression

* includes patient/session information as well as image information and annotations, if existing.

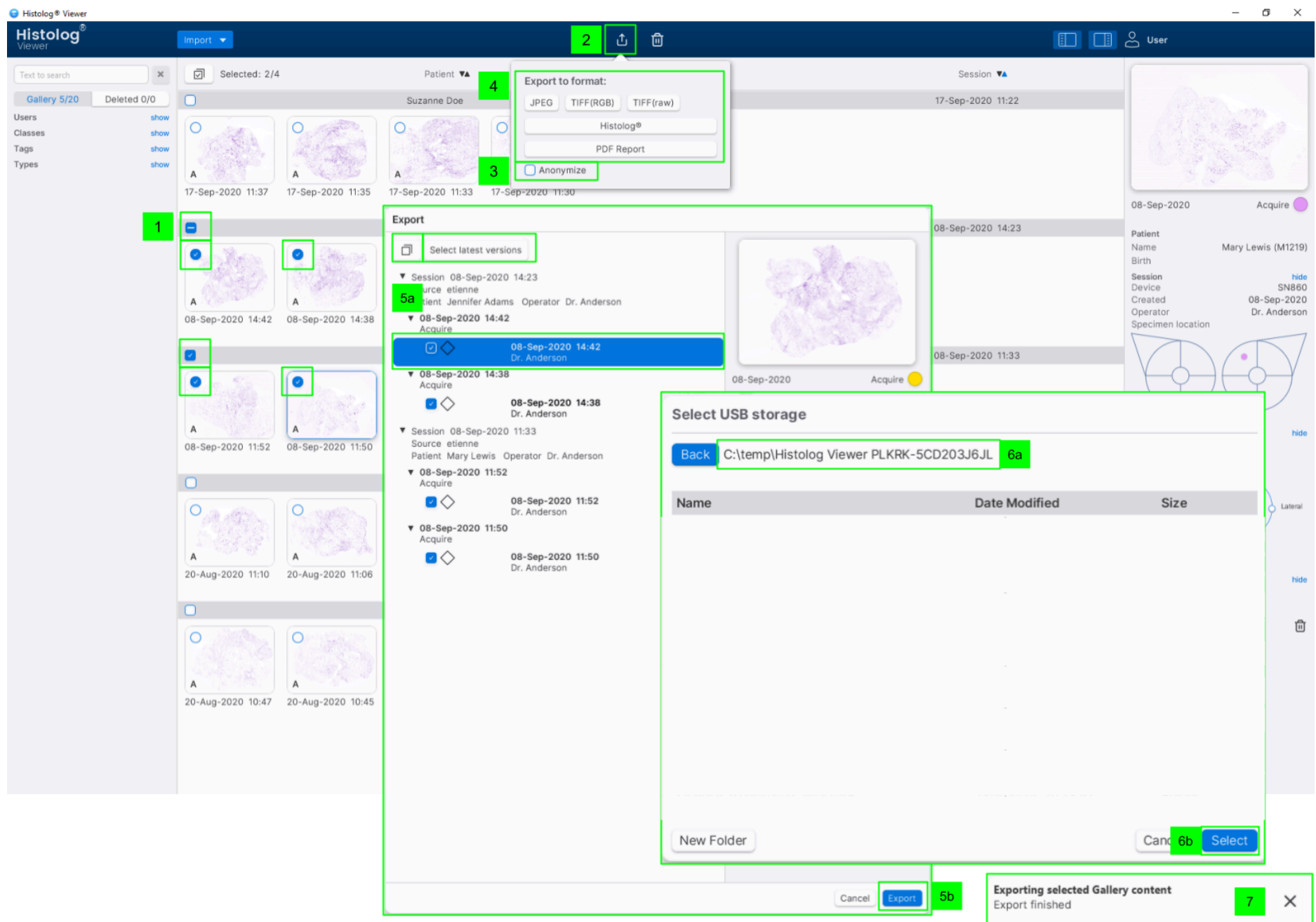
** typical size for one Histolog[®] Scanner image of type Acquire.

12.2. Export a selection of images from within the Image Gallery

Use this option to export a selection of images.

NOTE

- The time it takes to export/import Histolog[®] Scanner images depends on external factors such as the bandwidth of the network or the USB storage medium used. SamanTree Medical recommends users to test that the remote image review workflow duration (including export/import) is acceptable prior to using the Histolog[®] Viewer for the first time. This is particularly important when using the Histolog[®] Viewer as the primary means to (re)view Histolog[®] Scanner images during a patient procedure (e.g. intraoperatively).



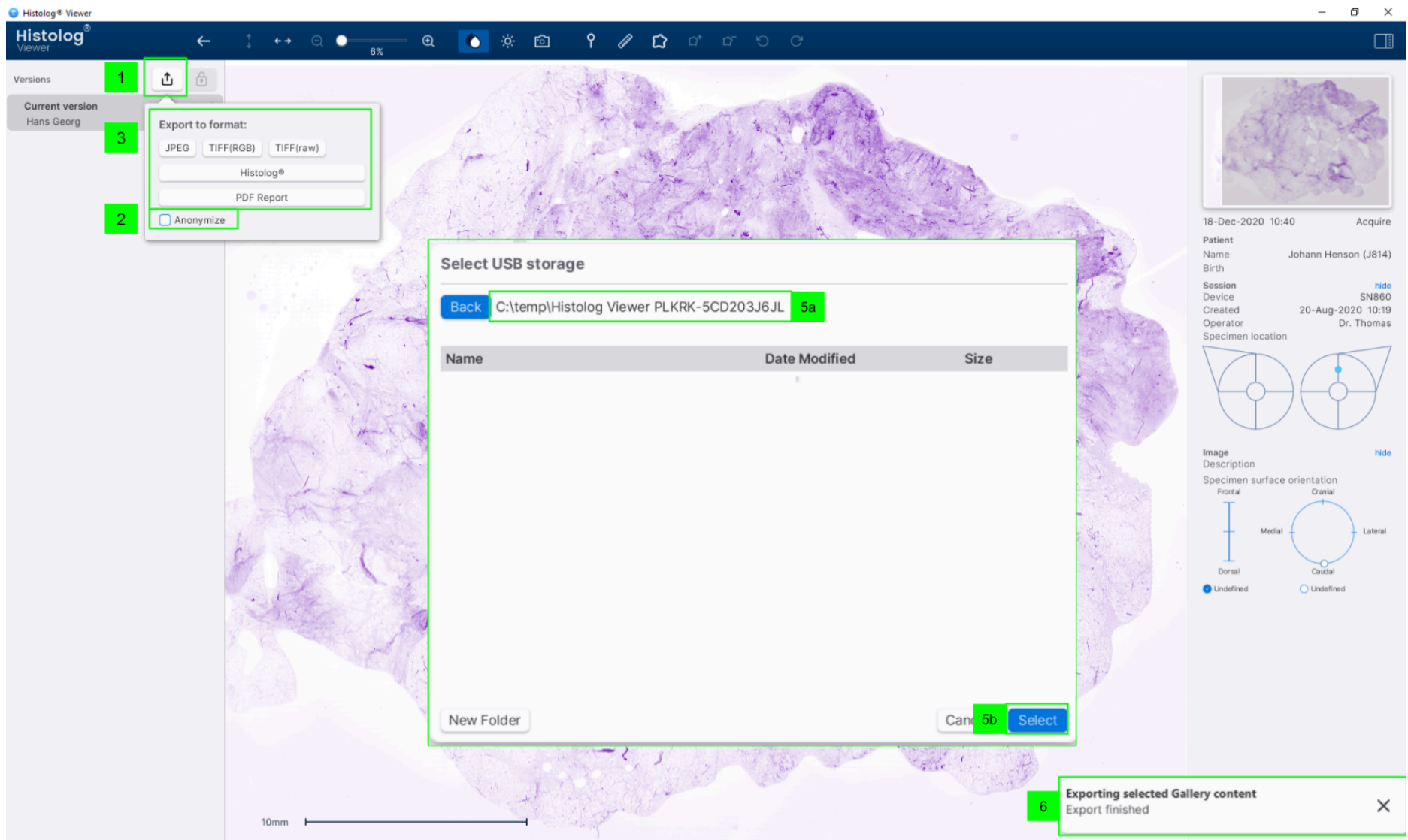
1. In the Image Gallery, select images as per [Selecting images](#) section
2. Click on the export icon
3. Select the format to export to
4. Click on the “Anonymize” check-box if the exported data needs to be anonymised

NOTE The anonymize function removes all data that may trace back the patient.

5. When exporting to “Histolog[®]” format:
 - a. Select the version(s) to be exported in the “Export” dialog window
 - b. Click on the “Export” button
6. The Histolog[®] Viewer will open a dialog box to explore the folder structure on your computer:
 - a. In the dialog box, select the location to which to export to
 - b. Click on the “Select” button
7. Once the export procedure is completed, the Histolog[®] Viewer momentarily displays an “Export finished” message in the bottom right corner

12.3. Export the currently displayed image

Use this option to export the image currently displayed in the Histolog® Viewer. This option only allows to export a single image.



To export the currently displayed image:

1. Click on the export icon
2. Click on the “Anonymize” check-box if the exported data needs to be anonymised

NOTE The anonymize function removes all data that may trace back the patient.

3. Select the format to export to
4. When exporting to “Histolog®” format:
 - a. Select the version(s) to be exported in the “Export” dialog window
 - b. Click on the “Export” button
5. The Histolog® Viewer will open a dialog box to explore the folder structure on your computer:
 - a. In the dialog box, select the location to which to export to
 - b. Click on the “Select” button
6. Once the export procedure is completed, the Histolog® Viewer momentarily displays an “Export finished” message in the bottom right corner

13. Troubleshooting

NOTE The Histolog[®] Viewer supports only one instance of itself to run. Do not attempt to run more than one Histolog[®] Viewer at the same time on the same system.

In case you encounter an issue that prevents you from performing operations, exit as per [Exiting Histolog[®] Viewer](#) section and restart as per [Starting Histolog[®] Viewer](#) section.

13.1. Contact SamanTree Medical

If the problem persists, stop using the Histolog[®] Viewer and [contact SamanTree Medical](#) for technical support.

13.2. Export log files

For export of log files see section [6.6](#).

Upon request by SamanTree Medical technical support team, log files may be retrieved from the “logs” folder on your computer file system.

On Microsoft Windows, the “logs” folder is in the location where the Histolog[®] Viewer software was installed.

On Apple Mac, the “logs” folder is at the generic users' system folder:
/Users/Shared/.HistologViewer/logs