

User guide

Histolog[®] Viewer

version 2.1.1



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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.
1.4	2026-06-22	Updates for Histolog® Viewer version 2.1.1. - Updated Section 5.1.1. “Workstation requirements”. - Added Section 6.3 "Choosing a Data Source" and Section 7 “Working with Data Sources” to introduce new functionality of working with multiple Data Sources. - Added Section 6.6 “Changing User Interface language” to introduce new functionality of changing the GUI language. - Added instructions about navigation tracing in the navigation map in Section 12.1. - Updated figures to present GUI for the new functionalities: Data Sources, GUI language and “Application profile” sorting criteria in the Gallery. - Removal of the license management system

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3. Explanation of symbols

	Manufacturer
	Consult the User guide
	When followed by “ CAUTION ”, this symbol means “Caution! Failure to observe could result in damaged equipment, forfeited time or effort, or the need to abort use of the device.”
	A NOTE sign in this guide draws attention to useful information regarding a function or procedure.

4. Product Information

This guide applies to Histolog[®] Viewer version 2.1.1. 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.

 **CAUTION** Do not attempt to use the Histolog[®] Viewer with the images originating from incompatible versions of the Histolog[®] Scanner software. Such an attempt will result in a waste of time and effort.

 **CAUTION** This guide contains instructions that are essential for a safe and efficient use of the Histolog[®] Viewer. In particular, it contains a detailed description of the product's Graphical User Interface (GUI). Before using the product, please read these instructions and make sure you fully understand how to use the GUI. A failure to understand the GUI may result in an inability to complete the expected procedure with the Histolog[®] Viewer.

4.1. Intended use

The Histolog[®] Viewer is a general-purpose 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).

 **CAUTION** The Histolog[®] Viewer is intended for use only with images originating from scans performed on the Histolog[®] Scanner. Do not attempt to use the Histolog[®] Viewer to work with images not originating from the Histolog[®] Scanner. Such an attempt will result in a waste of time and effort.

5. Safety Instructions

Use the Histolog[®] Viewer only for the purpose described in these User guide.

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

5.1. Cautions

CAUTION

- This manual contains instructions that are essential for a safe and efficient use of the Histolog[®] Viewer. In particular, it contains a detailed description of the product's Graphical User Interface (GUI). Before using the product, please read these instructions and make sure you fully understand how to use the GUI. A failure to understand the GUI may result in an impossibility to complete the expected procedure with the Histolog[®] Viewer.
- Do not use the Histolog[®] Viewer with a workstation or with a monitor that does not meet the specified "Minimum" requirements. A failure to follow this indication will compromise the Histolog[®] Viewer performance.
- The Histolog[®] Viewer is intended for use only with images originating from scans performed on the Histolog[®] Scanner. Do not attempt to use the Histolog[®] Viewer to work with images not originating from the Histolog[®] Scanner. Such an attempt will result in a waste of time and effort.
- Do not attempt to use the Histolog[®] Viewer with the images originating from incompatible versions of the Histolog[®] Scanner software. Such an attempt will result in a waste of time and effort.
- Make sure 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).

6. Installing and uninstalling

6.1. System requirements

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

6.1.1. 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	-
Disk Type	SSD recommended for optimal performance	-
Free Disk Space	Needs vary by workflow. One image is ~ 1GB. >50GB is recommended.	
Memory (RAM)	16GB	8GB
Supported Operating Systems	Microsoft Windows 10 (64-bit) or later	Microsoft Windows 7 (64-bit)
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

6.1.2. Monitor requirements

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

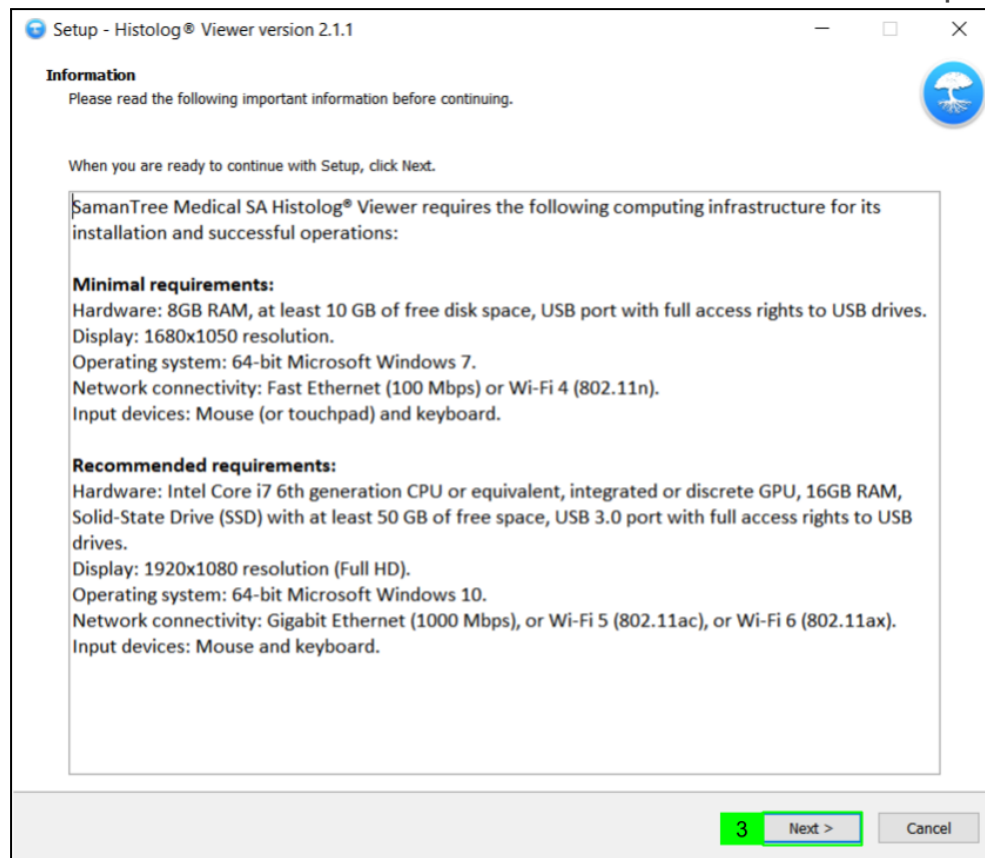
	Recommended	Minimum
Resolution	1920 x 1080 (Full HD) pixels	1680 x 1050 pixels
Scaling Factor (OS Display)	Must be configured to 100%	Must be configured to 100%

 **CAUTION** Do not use the Histolog[®] Viewer with a workstation or with a monitor that does not meet the specified “Minimum” requirements. A failure to follow this indication will compromise the Histolog[®] Viewer performance.

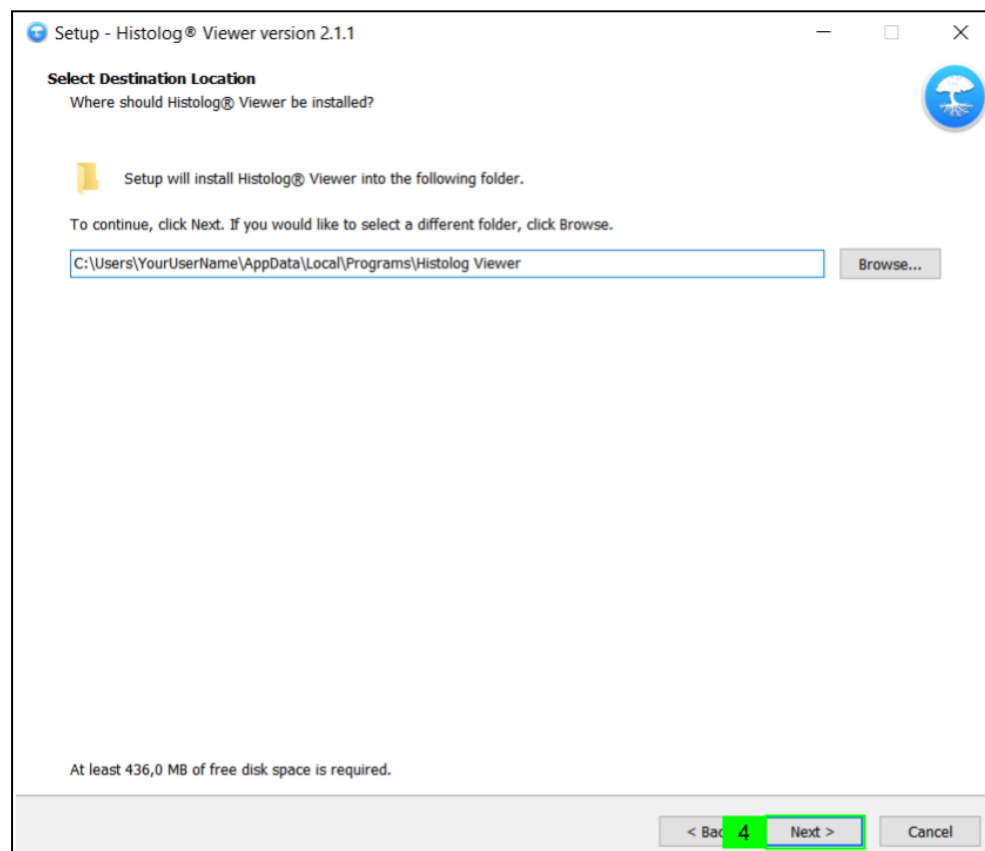
6.2. Installing Histolog[®] Viewer

Install the Histolog[®] Viewer by following the steps below:

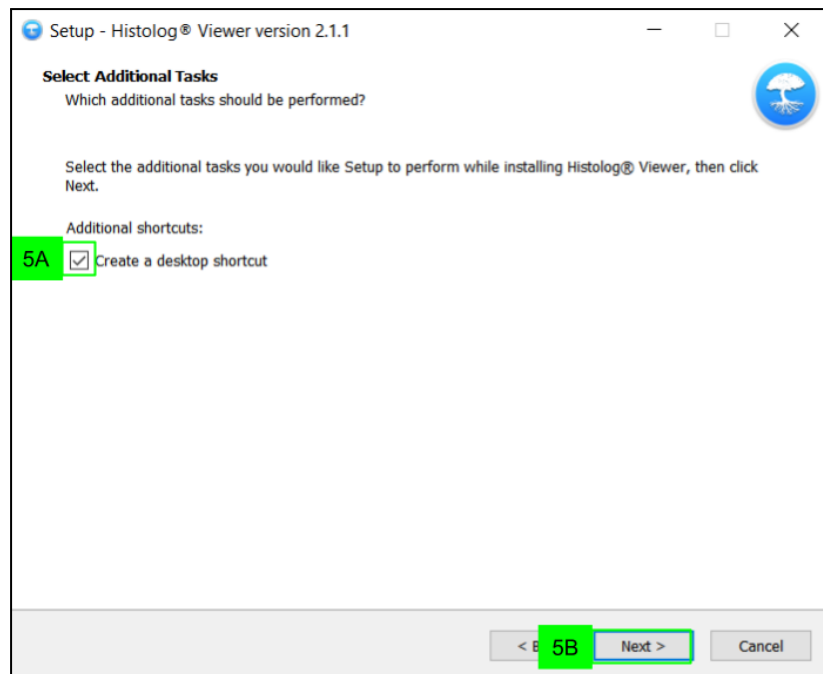
1. Obtain from your authorized contact the Histolog® Viewer installer file (.exe on Microsoft Windows)
2. Double-click the installer file to start the installation wizard
3. Review information about minimal and recommended requirements, then click “Next” to continue



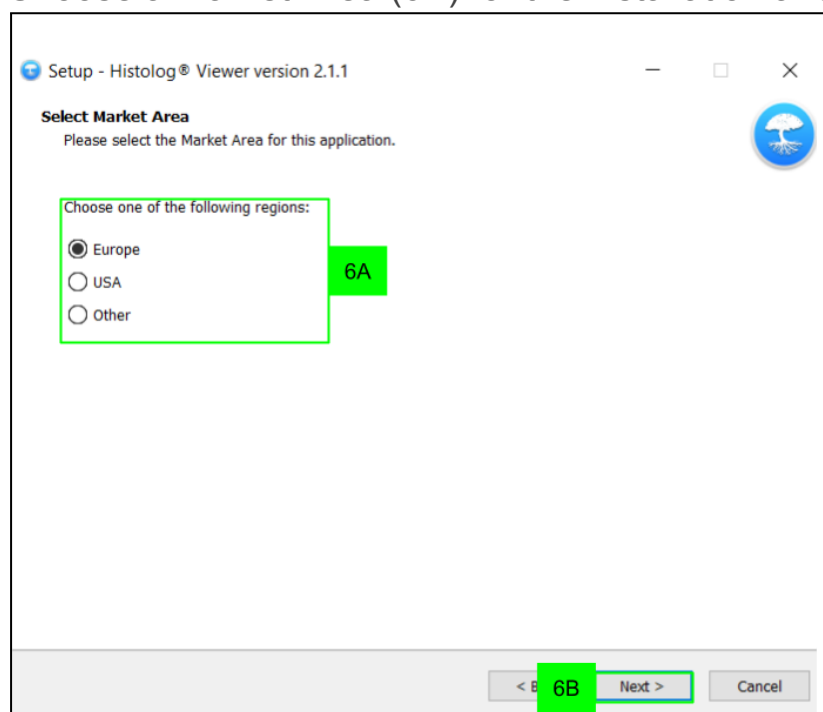
4. Select Destination folder and click “Next” to continue



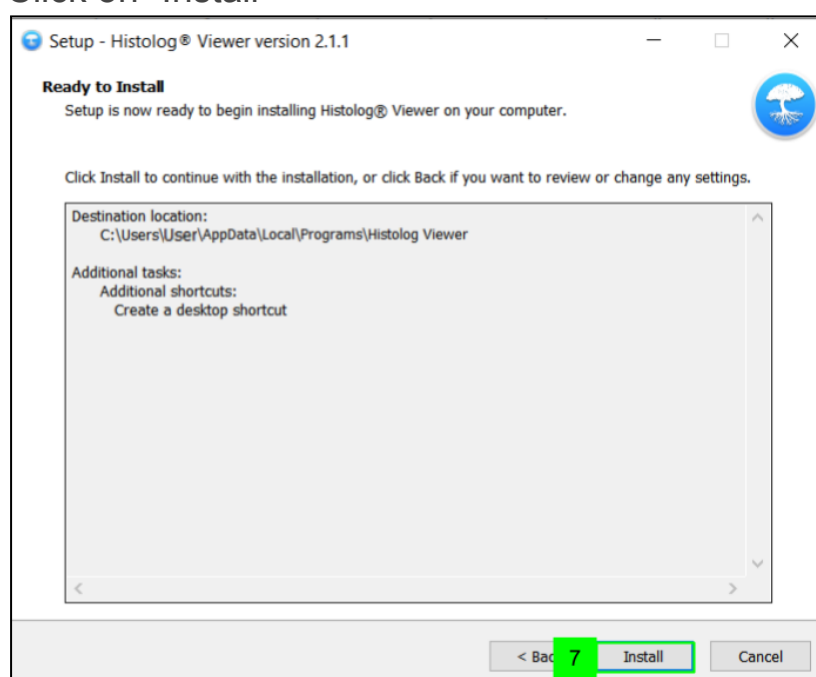
5. Choose whether to create a desktop shortcut (5A) and click “Next” (5B) to continue



6. Choose a Market Area (6A) for the installation and click “Next” (6B)



7. Click on “Install”



8. Finish installing Histolog® Viewer by clicking on the “Finish” button (8A) with marking the “Launch Histolog Viewer” (8B) or without launching the application.



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 software, you should consult your network administrator for help resolving these issues before continuing.

6.3. Uninstalling Histolog® Viewer

For Microsoft Windows:

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

7. Starting and exiting

7.1. 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”.

7.2. Choosing Data Source

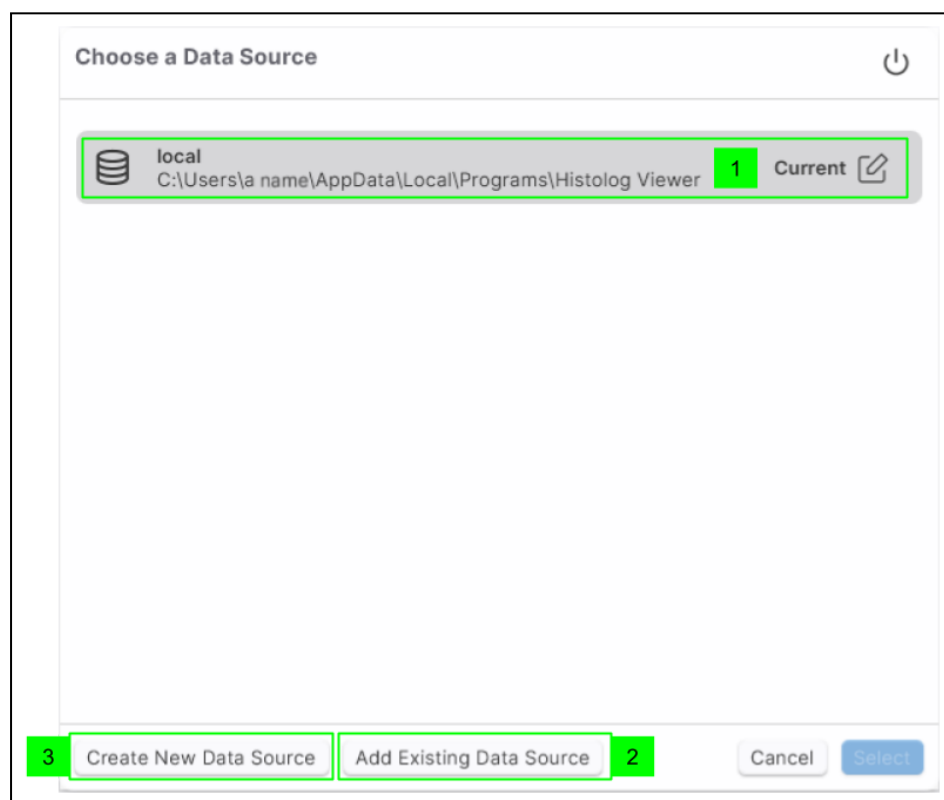
The dialog window for choosing a Data Source appears when Histolog[®] Viewer starts.

1. Choose among the available data sources by selecting the “local” Data Source, or adding an existing Data Source (2), or creating a new Data Source (3).

On the first Histolog[®] Viewer start up only one (“local”) Data Source will be listed (1). This is the local database that belongs to the installed Histolog[®] Viewer. This Data Source is not shared with other Histolog[®] Viewer installations.

Depending on the access rights assigned to their locations, the added and the created Data Sources can be used from other Histolog[®] Viewer installations.

See [Section 8](#) “Working with Data Sources” for further explanations.



7.3. Logging in

The user login window appears for the user to connect to the chosen Data Source.

7.3.1. 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

3. Choose the new user from the list below
4. Click “Next” to proceed or “Back” to go back to the Data Source screen

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 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

7.3.2. 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.

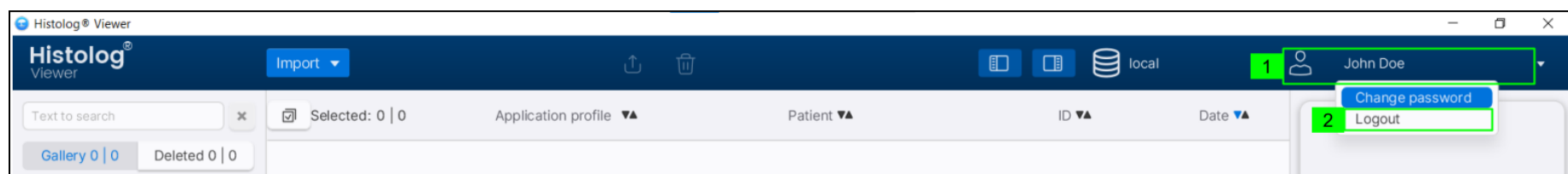
2. Click “Next” or double click the name of the user
3. View the “Enter password” form

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

6. Click “Login”

7.3.3. Logging out

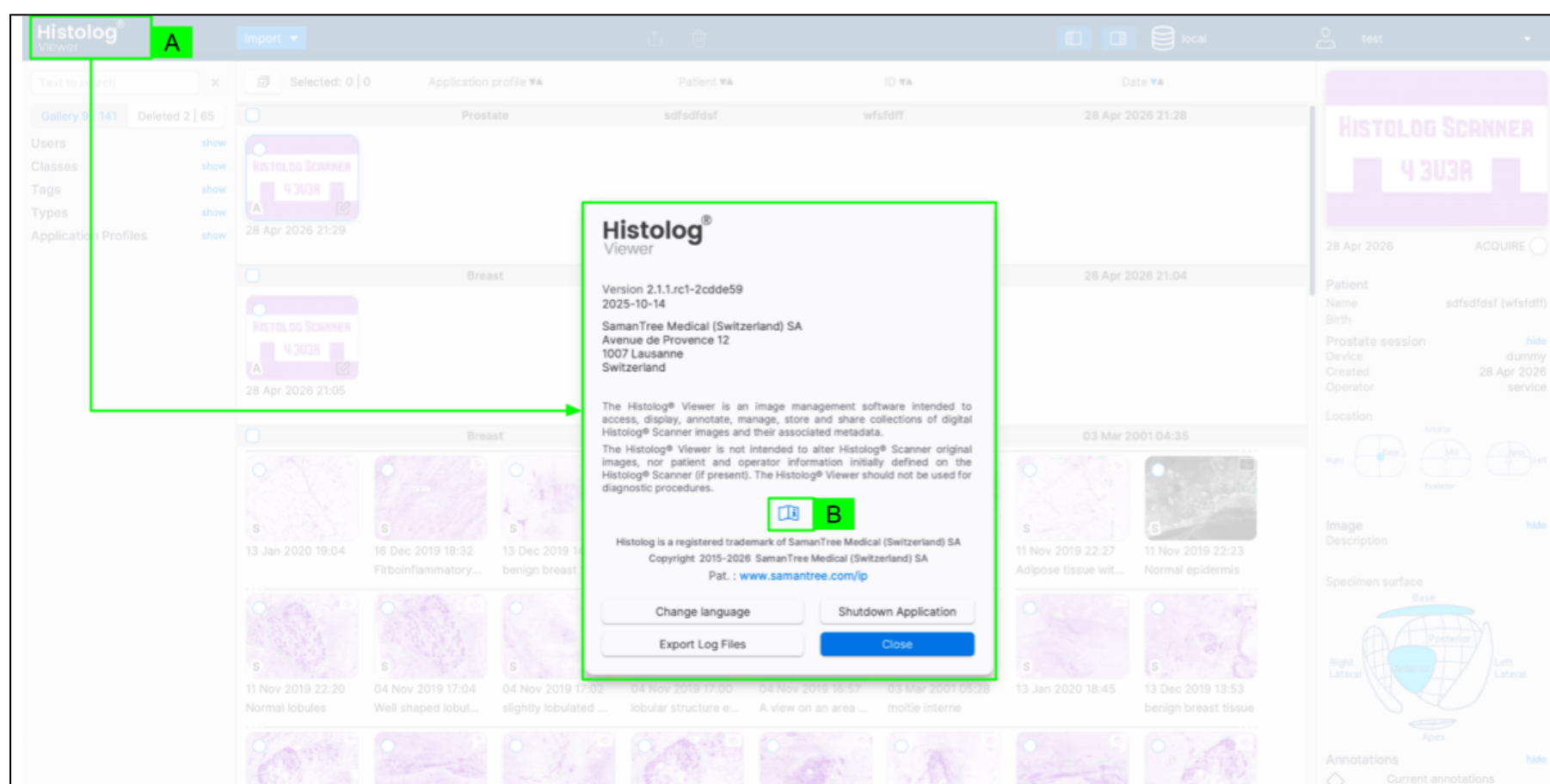
Use this option from the User Account menu when being logged in to the Histolog® Viewer application.



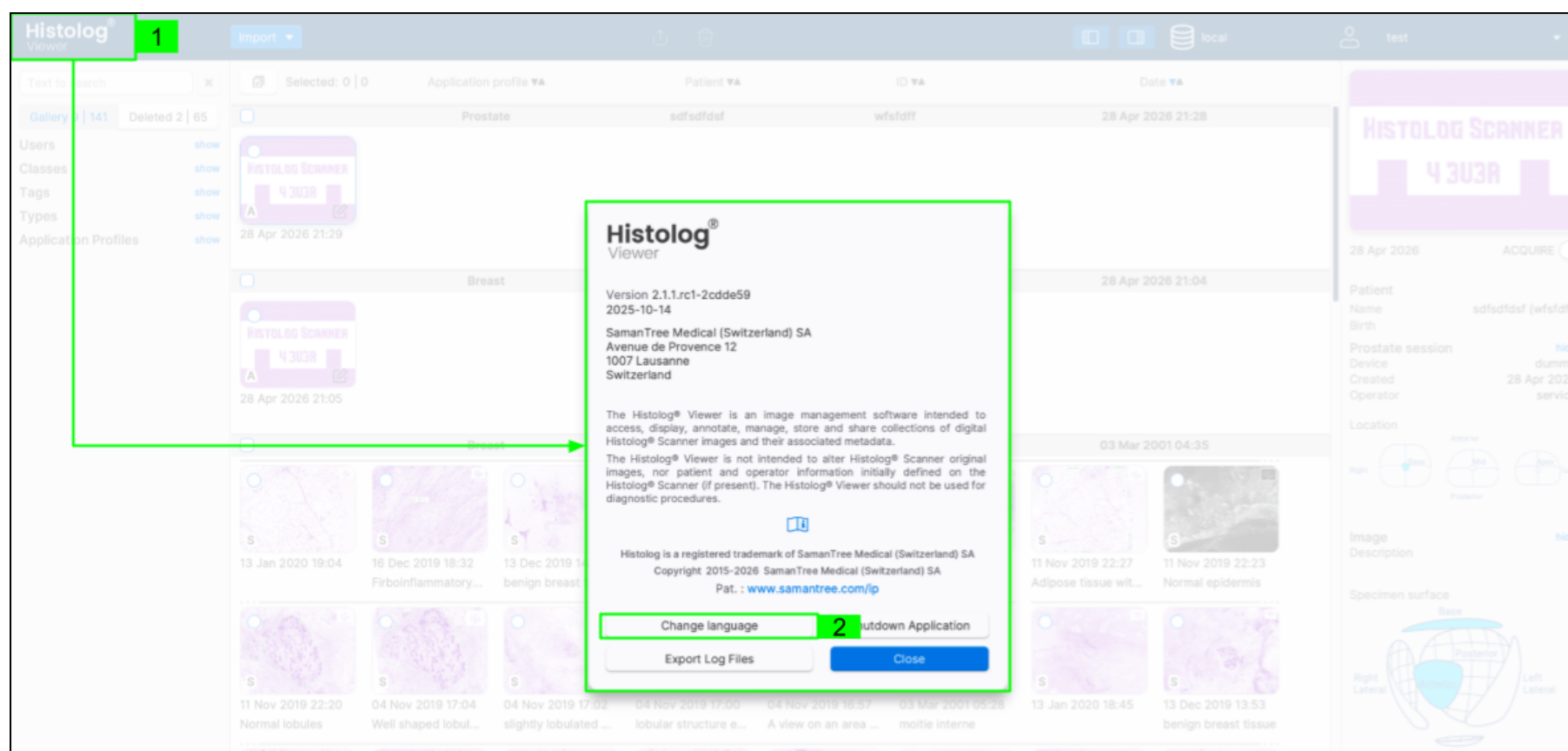
1. Click “User Account” menu
2. Choose the “Logout” option
3. View the user login window

7.4. Viewing product information (in the About window)

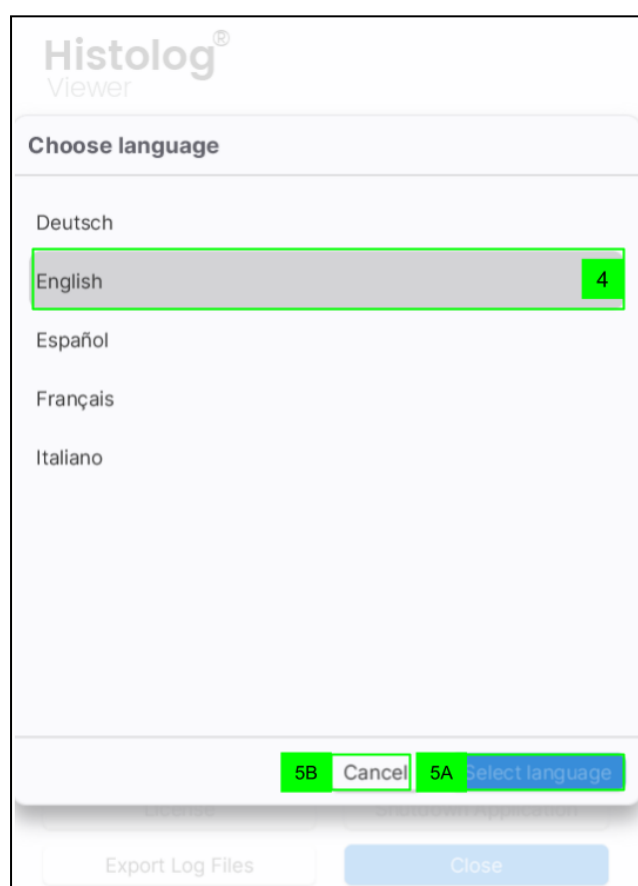
Information about the Histolog® Viewer is available during the start-up procedure when launching the software or by clicking on the Histolog® Viewer logo (A). User can open the User guide by clicking the corresponding icon (B).



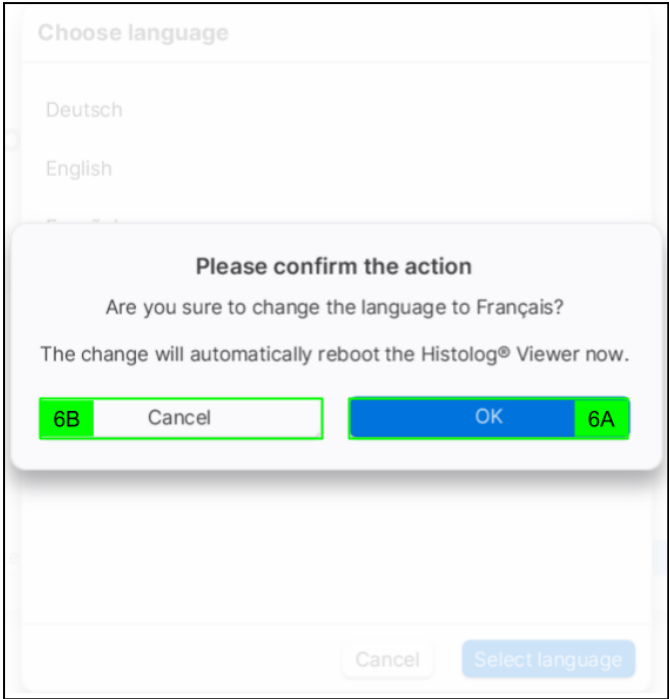
7.5. Changing User Interface language



1. Click the “Histolog® Viewer” logo to open the “About” window
2. Click the “Change Language” button
3. View the User Interface language options available
4. Choose the needed language
5. Select the chosen language (5A) or cancel the language change (5B)



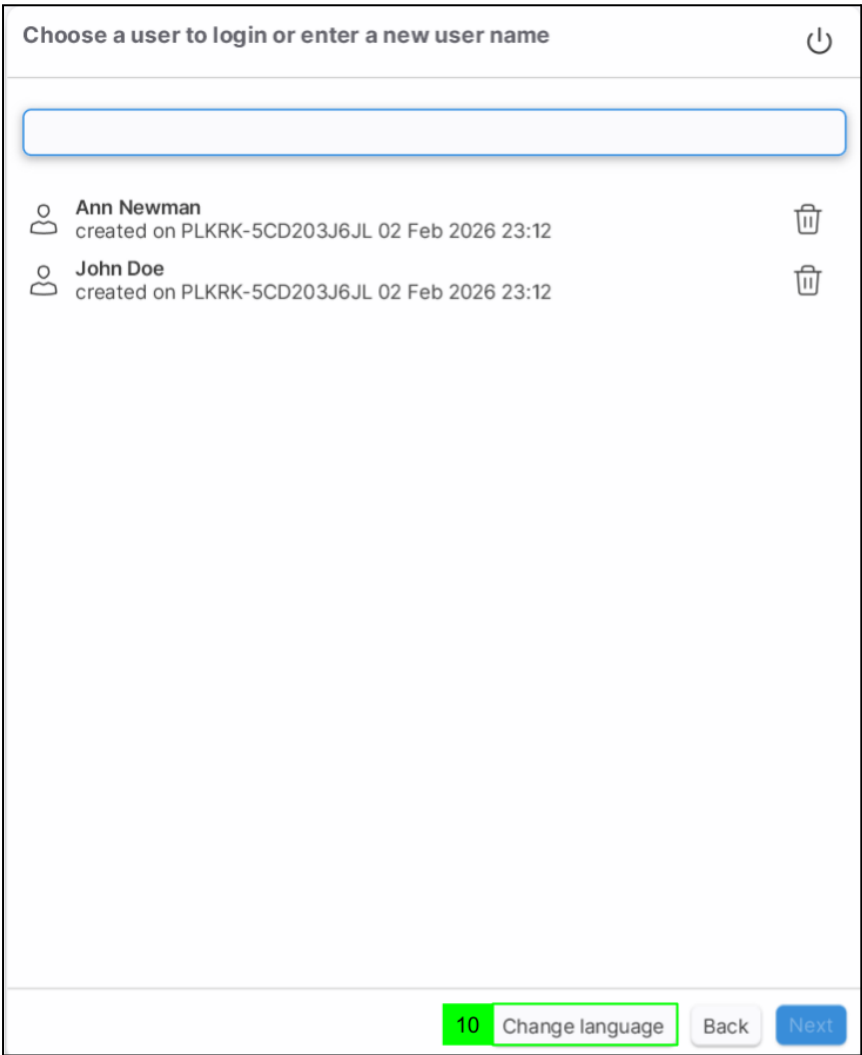
6. View the confirmation dialogue with the warning on the necessary application restart after the language change. Confirm the action (6A) or go back to the languages list (6B)



See that the application is restarted with its User Interface presented in the chosen language

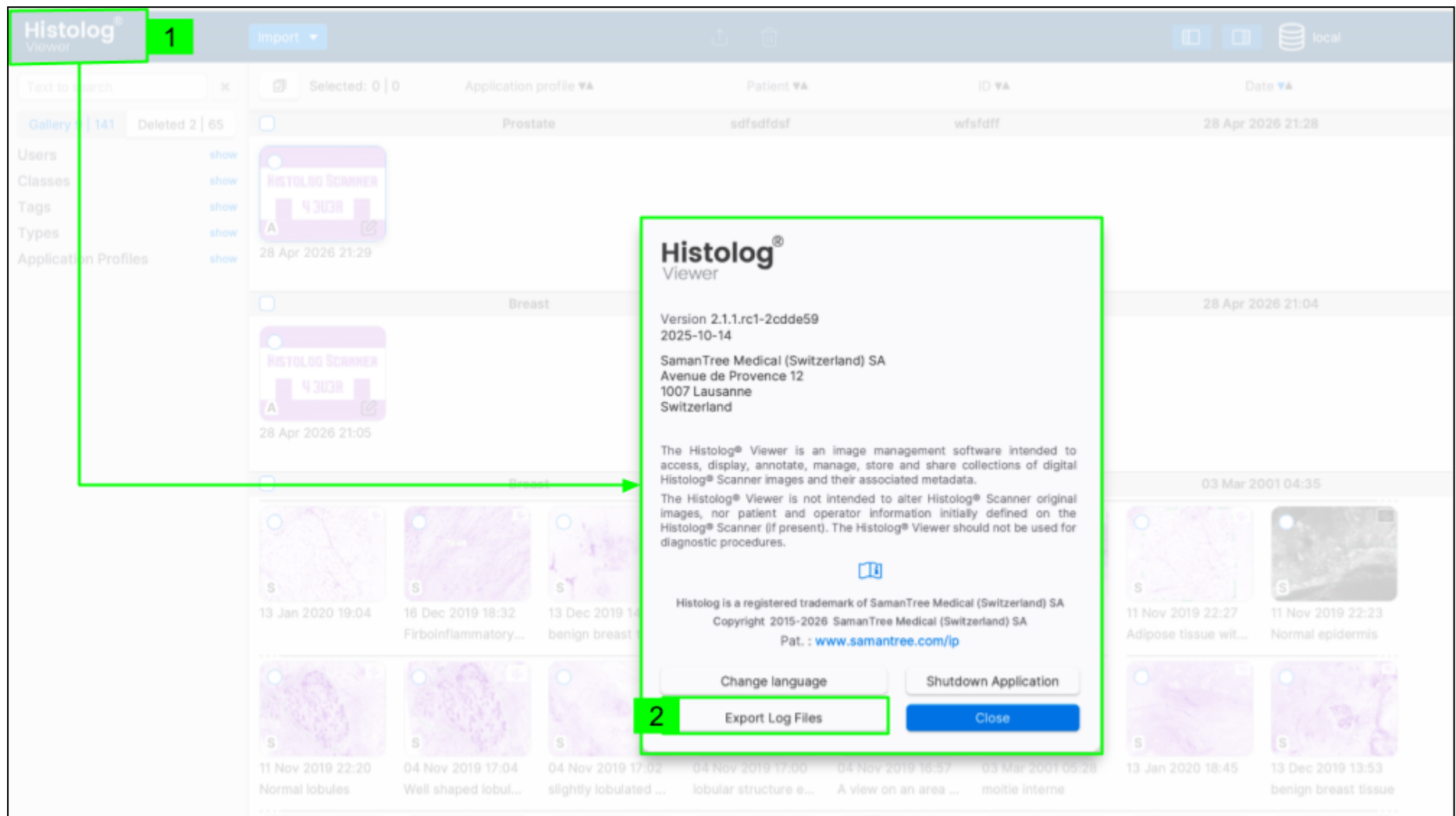
Or alternatively,

- 7. Choose the “Change Language” option from the users’ list on the “Login” screen



- 8. Follow steps 3-6

7.6. Exporting Log files



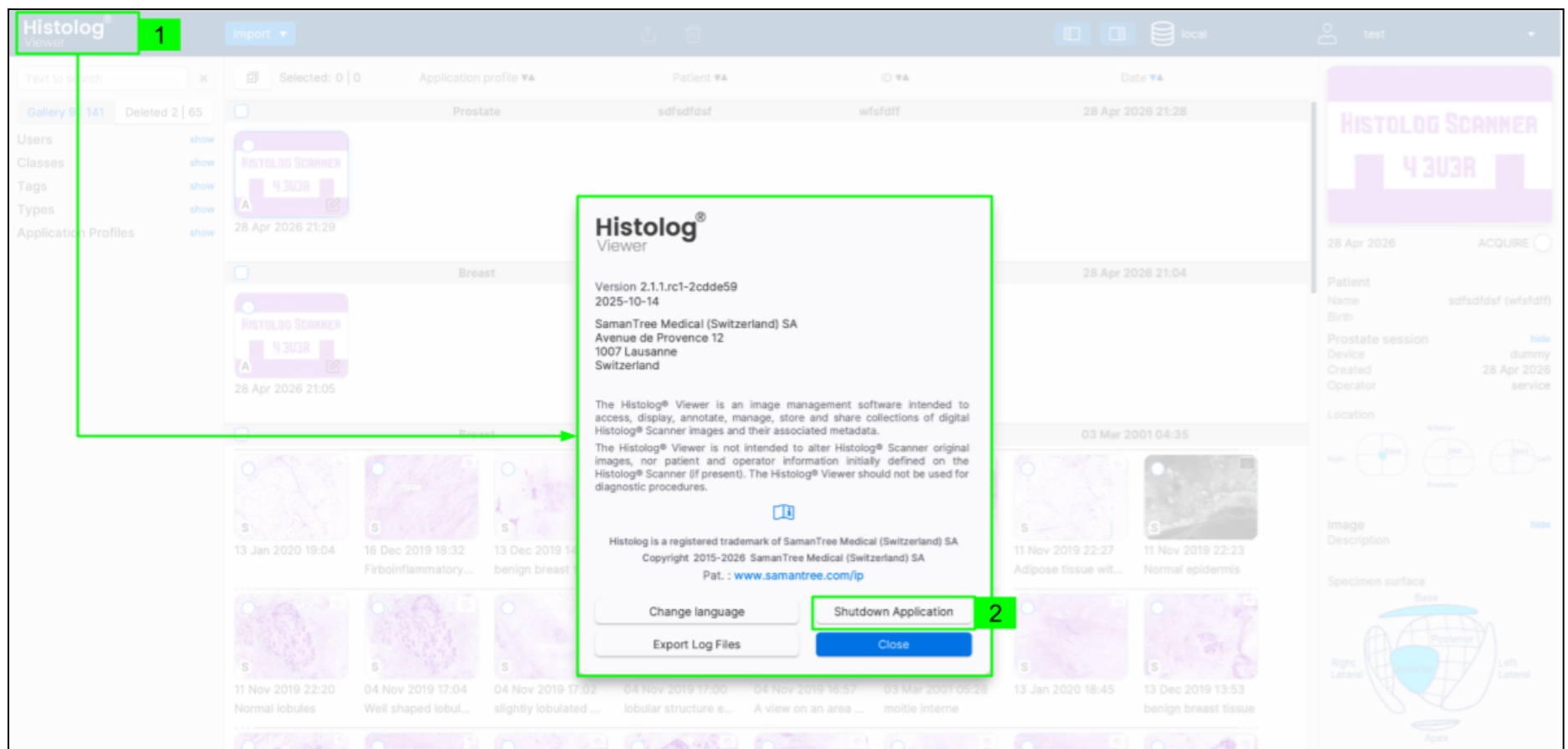
The user can either export the log to a local folder or to SamanTree Medical:

1. Click the "Histolog® Viewer" logo to open the About window
2. Choose the "Export Log Files" option
3. Then choose between "Export to local storage" and "Export to SamanTree Medical"
4. Select the folder to save the logs (when exporting to local storage only)
5. 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.

7.7. Exiting Histolog® Viewer



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

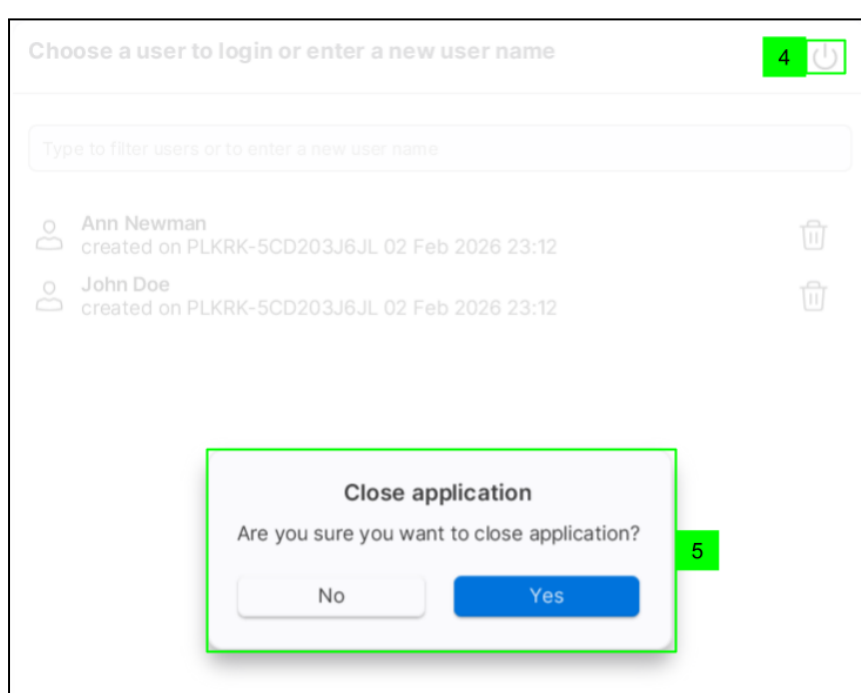
1. Click on the Histolog® Viewer logo to open the About window
2. Click “Shutdown Application”.

Alternatively,

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

Or alternatively,

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



8. Working with Data Sources

The Histolog® Viewer application allows users to work with different alternative Data Sources. A Data Source presents a collection of Histolog® Images with their metadata. Section 6.3 introduced the initial choice of local Data Source. This section will instruct users on how to work with multiple Data Sources from a single Histolog® Viewer installation.

8.1. Creating a new Data Source

A user of a Histolog® Viewer can create a new Data Source. Such a new Data Source does not depend on a particular Histolog® Viewer installation. It can be used either from the Histolog® Viewer where it was created, or from other Histolog® Viewers.

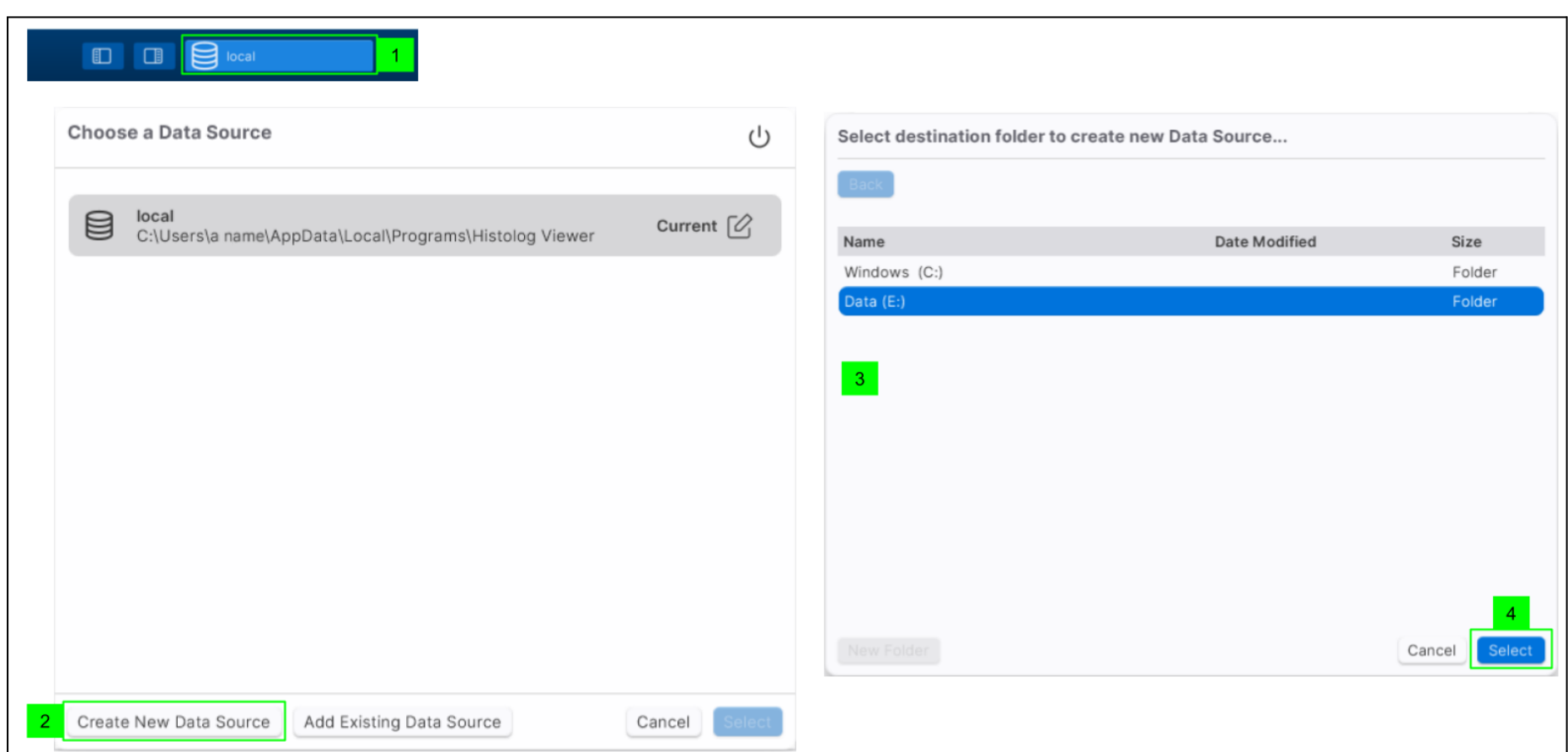
NOTE Only one Histolog® Viewer can work on a given Data Source at a given time. In case more than one Histolog® Viewer tries to connect to the same Data Source, the first of them will occupy the connection and the others will receive a warning message informing their users that the Data Source is currently occupied.

To create a new Data Source:

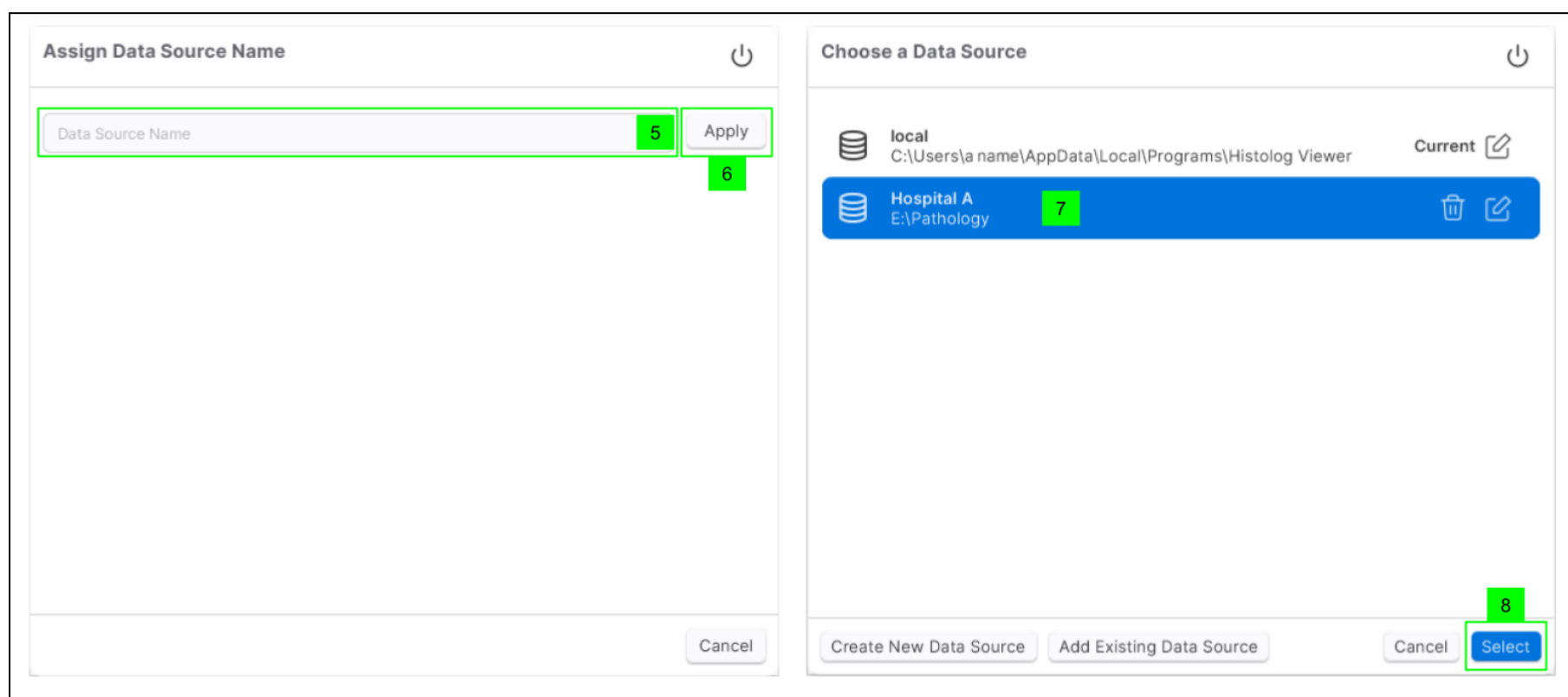
1. Click on the button that indicates the currently connected Data Source. The application will show a dialog window for choosing a Data Source for the Histolog® Viewer to connect.
2. Click on the “Create New Data Source” button. The application will show a dialog window for selecting a folder where the new Data Source needs to be created.
3. Use the folder selection dialog window to select a folder on the file system where the new Data Source needs to be created. The folder can be selected or created either on a local drive, or on another drive connected to the computer where the Histolog® Viewer is installed (e.g. on a shared network drive, or on a USB drive).

NOTE Working with Data Sources that are located on shared network drives is supported only on Microsoft Windows computers.

4. Click on the “Select” button. Once the folder is selected, the application will show a dialog for giving a name to the new Data Source.



5. Type the desired Data Source name in the corresponding text field. This name will be used to refer to the new Data Source only in the current Histolog® Viewer installation. Other Histolog® Viewers will be able to define their own names for the same Data Source.
6. Click on the “Apply” button. The Histolog® Viewer will create the new Data Source. Once the Data Source is created, it will appear in the list of available Data Sources.
7. Select the newly created Data Source.
8. Click on the “Select” button to connect to the newly created Data Source.



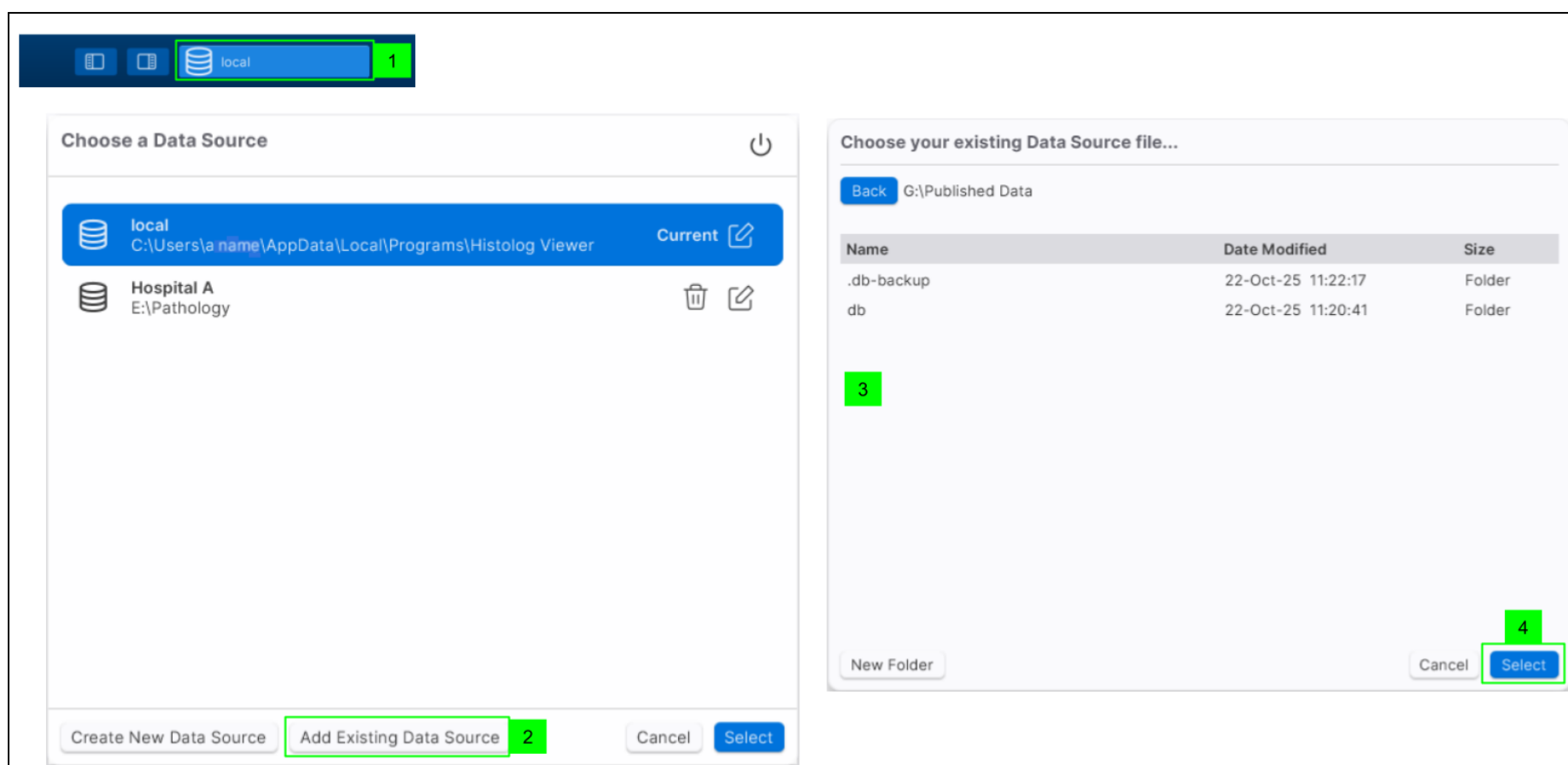
8.2. Adding an existing Data Source

A user of a Histolog® Viewer can add an existing Data Source to the list of Data Sources that are available for use from the Histolog® Viewer. To be added, an existing Data Source must have been previously created by a Histolog® Viewer.

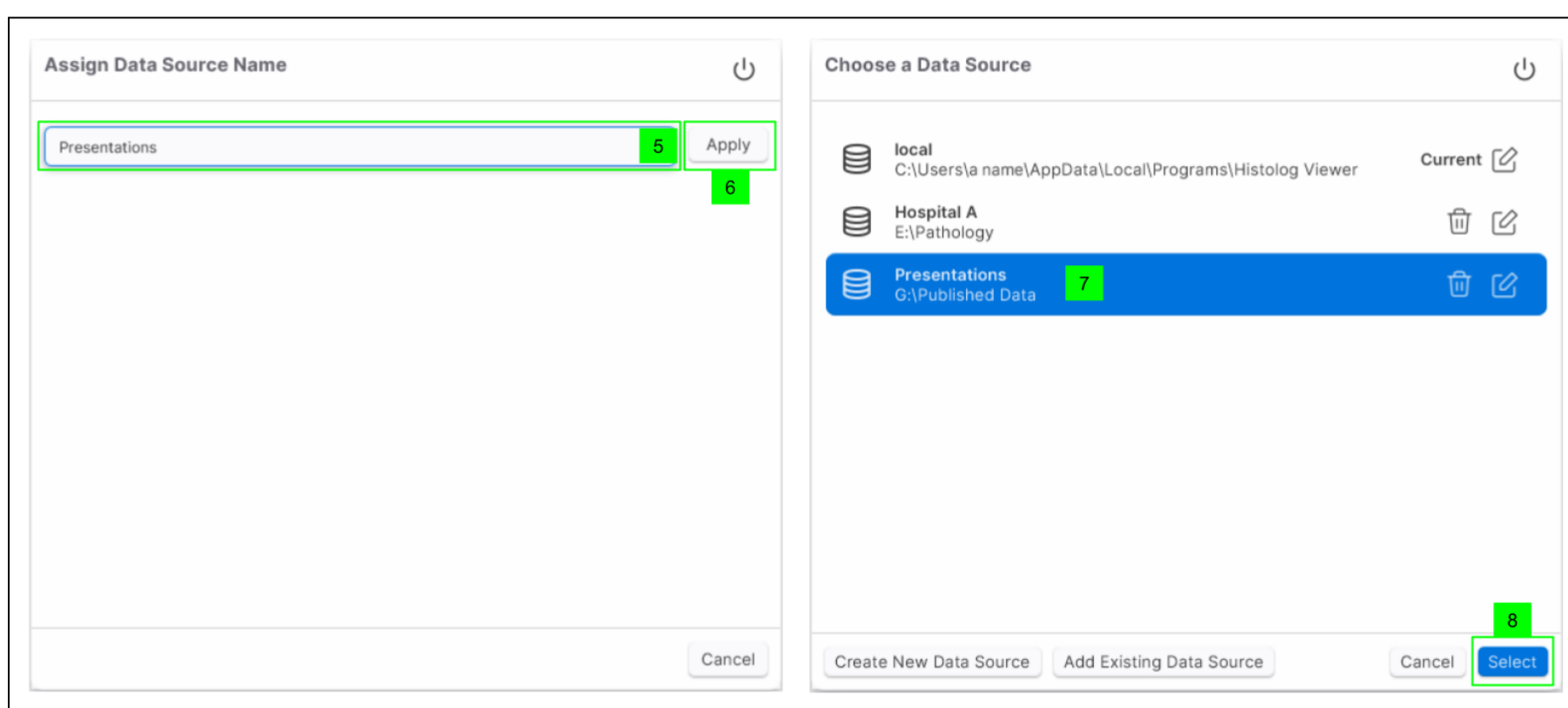
To add an existing Data Source:

1. Click on the button that indicates the currently connected Data Source. The application will show a dialog window for choosing a Data Source for the Histolog® Viewer to connect.
2. Click on the “Add Existing Data Source” button. The application will show a dialog window for selecting a folder where the existing Data Source that needs to be added is located.
3. Use the folder selection dialog window to select a folder on the file system where the ‘db’ folder of the existing Data Source is located. The folder can be selected either on a local drive, or on another drive connected to the computer where the Histolog® Viewer is installed (e.g. on a shared network drive, or on a USB drive).

NOTE Working with Data Sources that are located on shared network drives is only supported on Microsoft Windows computers.



4. Click on the “Select” button. Once the folder is selected, the application will show a dialog for giving a name to the Data Source that is being added.
5. Type the desired Data Source name in the corresponding text field. This name will be used to refer to the newly added Data Source only in the current Histolog® Viewer installation. Other Histolog® Viewers will be able to define their own names for the same Data Source.
6. Click on the “Apply” button. The Histolog® Viewer will add the Data Source. Once the Data Source is added, it will appear in the list of available Data Sources.
7. Select the newly added Data Source.
8. Click on the “Select” button to connect to the newly added Data Source.



NOTE If a Data Source that was added to a Histolog® Viewer is no longer available (for example, it is located on a USB storage device that is no longer connected to the computer), then the corresponding entry in the list of available Data Sources is shown in grey color, indicating that currently it is impossible to connect to the Data Source. The entry is shown in black color, with a possibility to connect, as soon as the Data Source becomes available again.

8.3. Editing the name of an existing Data Source

A user can change names of the Data Sources that are available to connect to from the Histolog[®] Viewer. To edit the name of a Data Source click on the  button next to the Data Source. This name will be used to refer to the Data Source only in the current Histolog[®] Viewer installation. Other Histolog[®] Viewers will be able to define their own names for the same Data Source.

8.4. Removing an existing Data Source

A user can remove a Data Source from the list of Data Sources that are available to connect to from the Histolog[®] Viewer. To remove a Data Source click on the  button next to the Data Source.

NOTES

- The currently connected Data Source and the local Data Source cannot be removed from the list.
- Removing an existing Data Source only removes it locally from the list of Data Sources available for connection from the current Histolog[®] Viewer installation. This does not impact the data within the Data Source.

9. 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.

NOTE 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.

9.1. Creating a new user account

New user accounts can be created from the Login screen.

9.1.1. Creating a new user account at login

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 "John Doe" with a green box labeled "2" at the end. To the right of the input field is a green box labeled "1". Below the input field is a list of users, with the first entry "John Doe" highlighted in blue, accompanied by a user icon, a green box labeled "3", and the word "new" in blue. At the bottom right, there are three buttons: "Change language", "Back", and "Next". The "Next" button is highlighted with a green box labeled "4".

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 password for the 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

9.1.2. 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 “Update password” window
4. Input current password

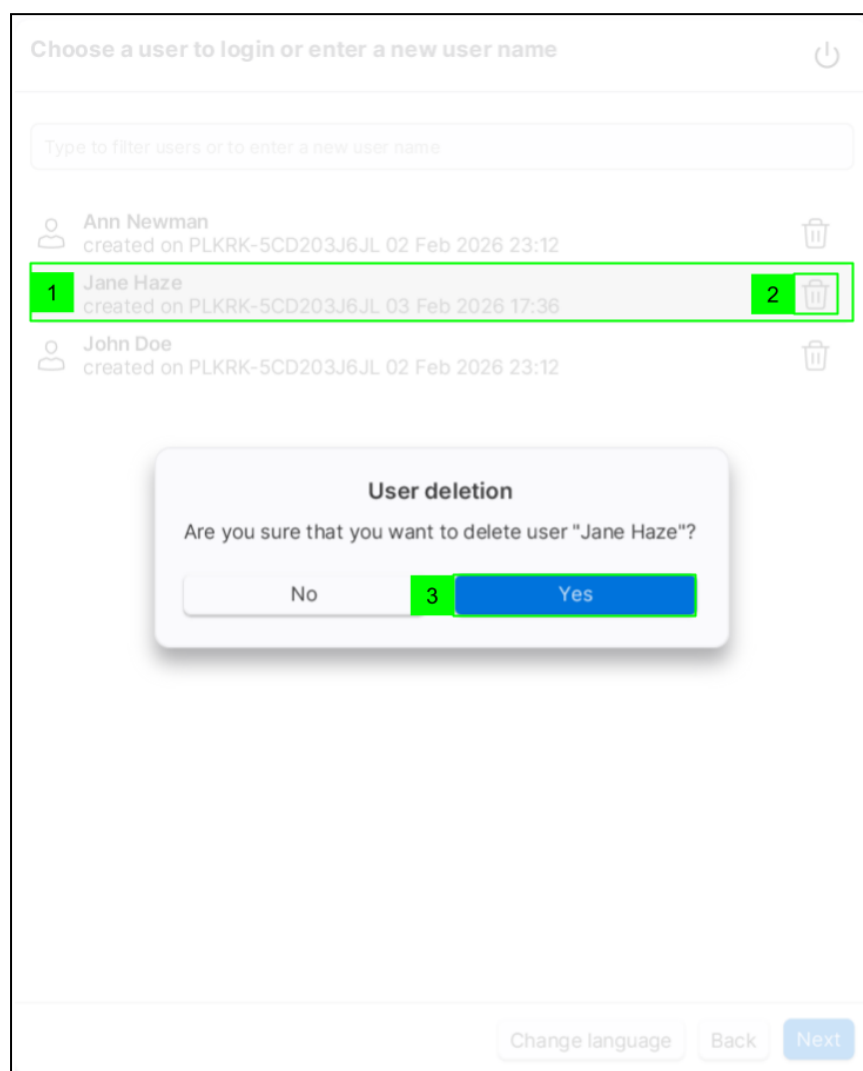
NOTE Password rules are the same as in [p.6.4.1](#)

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

9.2. Deleting a user account

User accounts can be deleted if their corresponding users will not use the Histolog[®] Viewer anymore.

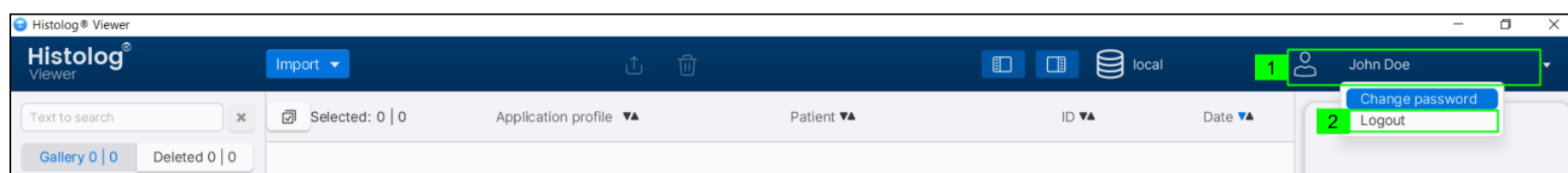


1. Choose a user in the Login form
2. Click the “Trash” icon next to the user name
3. Confirm deleting the user account in the dialog window
4. View the list of users without the deleted user account

NOTES

- The user accounts are listed in case insensitive alphabetical order.
- Data associated with a deleted user account (e.g. annotations done from this account) will remain available after the account deletion.

9.3. Changing user account



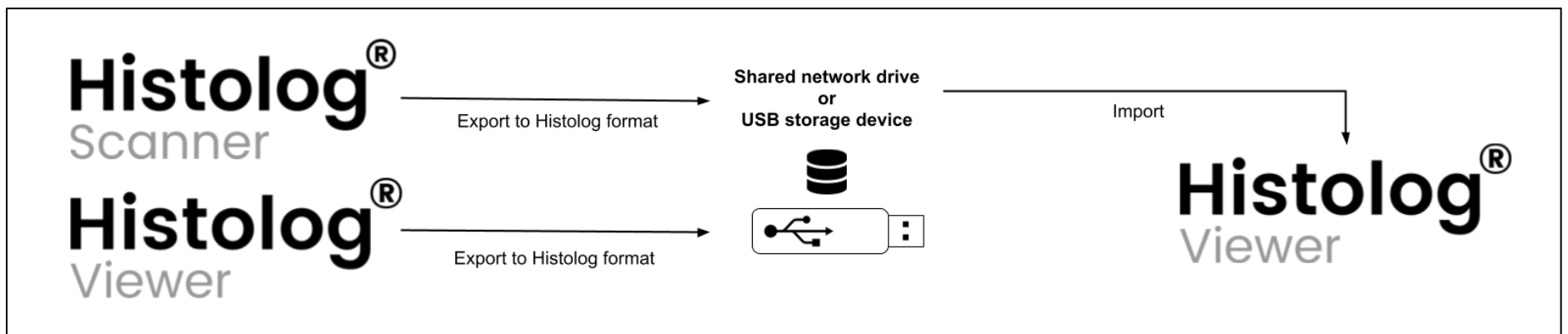
1. Click “User Account” menu
2. Choose “Logout” option
3. View the user login window
4. Follow the [p.6.4.1](#) or [p.6.4.2](#) flow

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

10. Importing images

NOTES

- The Histolog® Viewer only imports images exported in the “Histolog” format from a Histolog® Scanner or from a Histolog® Viewer.

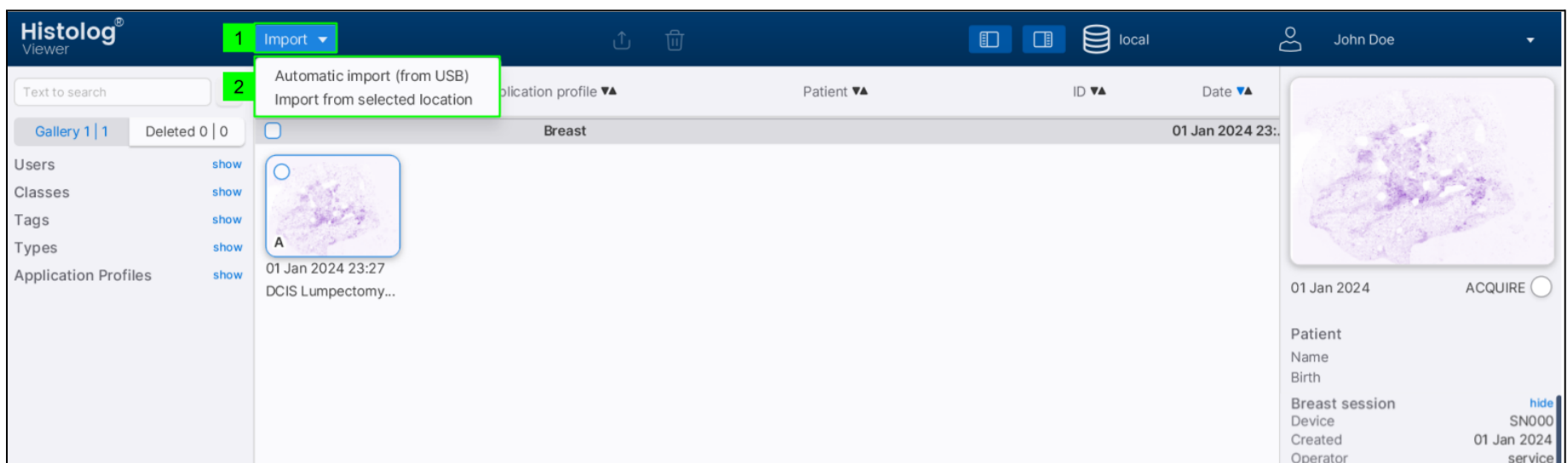


- The time it takes to export/import Histolog® Scanner images depends on external factors such as the bandwidth of the network or the USB storage medium used.

! CAUTION Make sure 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).

10.1. 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



10.1.1. Automatic import (from USB)

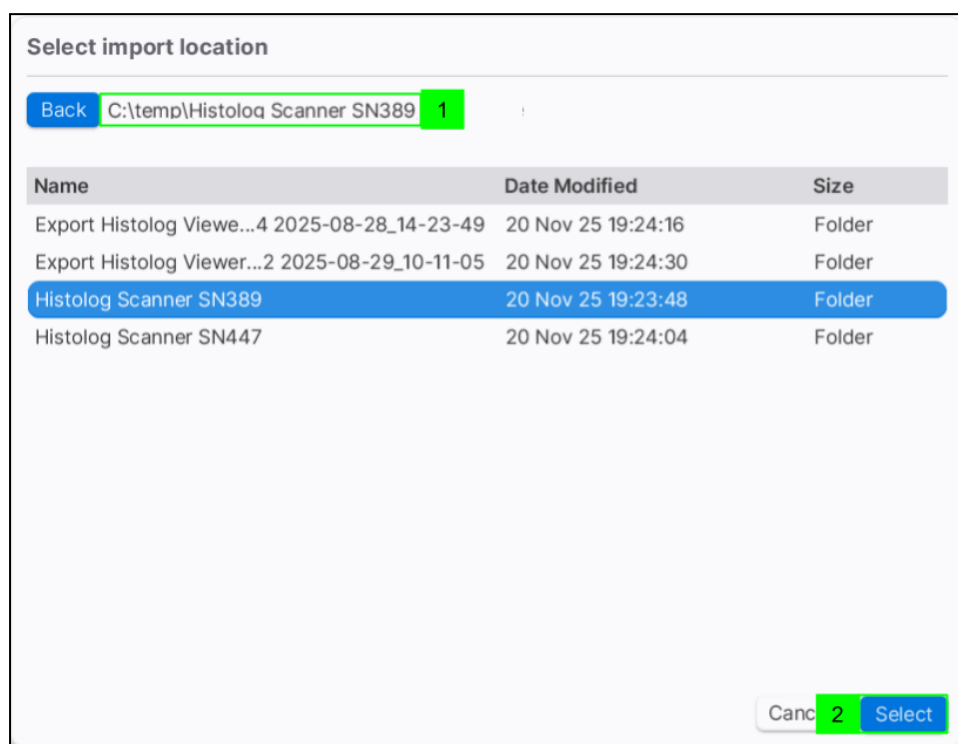
Use this mode to import images that have been exported from a Histolog® Scanner device to a USB storage device.

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.

10.1.2. 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.

10.2. 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”.

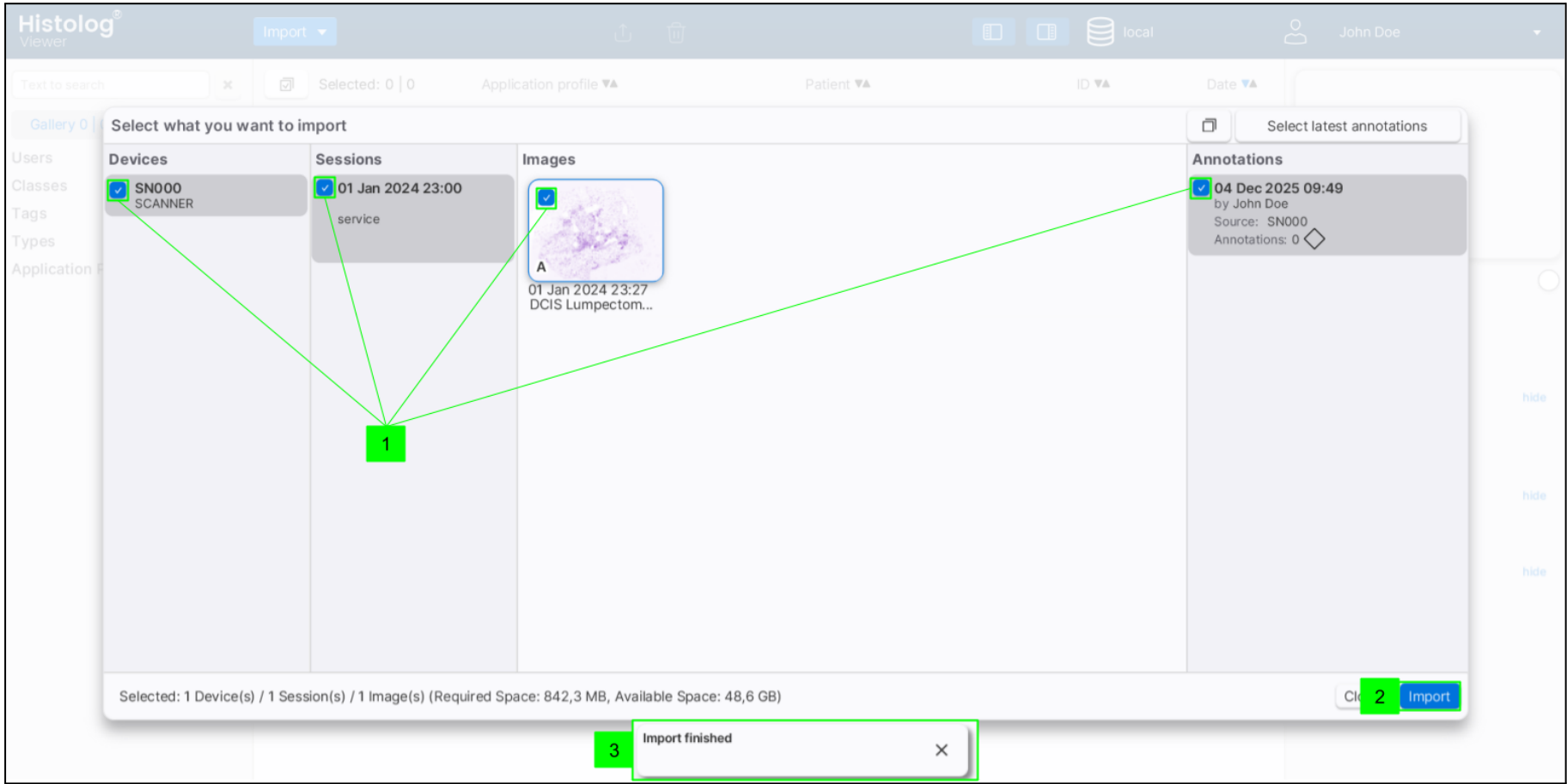
Content that has already been imported in the Histolog[®] Viewer is identified by a green check mark instead of an empty checkbox and cannot be selected for importation.

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 of the screen.



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

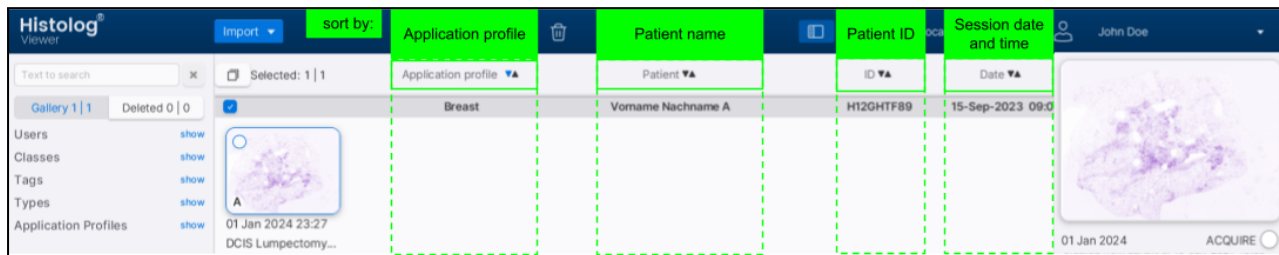
☐ SN860 SCANNER	Devices refer to the Histolog[®] Scanner device on which the original Histolog[®] image data was produced. A Histolog[®] Scanner <i>Device</i> is identified by its serial number, in bold, and by the mention “SCANNER”.
☒ 01 Jan 2024 17:00 Colon metastases in Live... service Patient with Colon Carcin...	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 01 Jan 2024 17:11 Large colon meta...	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>

01 Jan 2024 17:11 by service Source: SN000 Annotations: 9	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.
---	--

11. Managing images

11.1. Arranging Gallery content: sorting/filtering

11.1.1. Sort images



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

11.1.2. 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

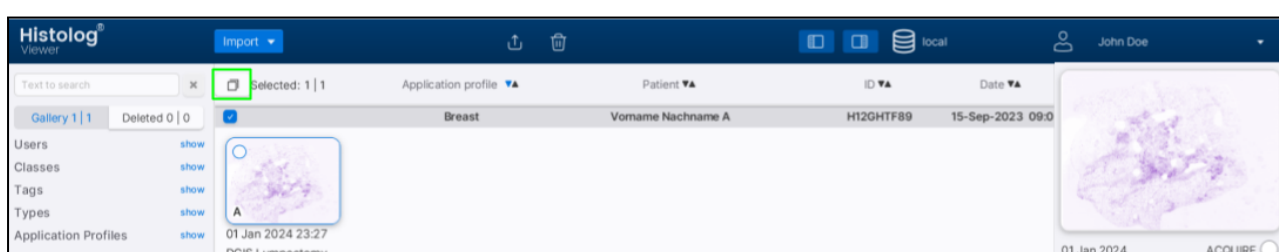
Tags	show
Types	1 hide
☐ Acquire	2 3
☐ Preview	0 0
☐ Snapshot	2 4

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.

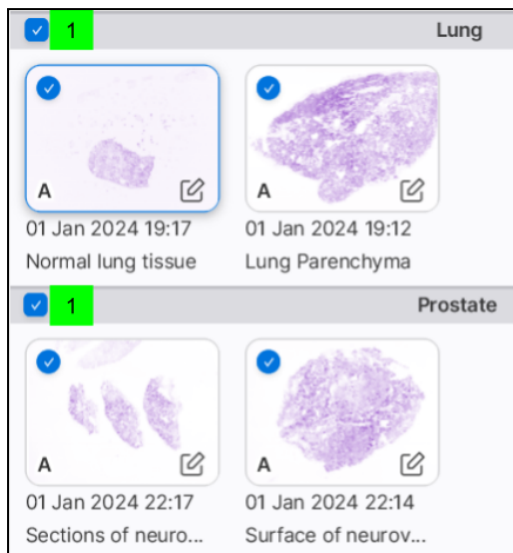
11.2. Selecting images

11.2.1. Select/Deselect all



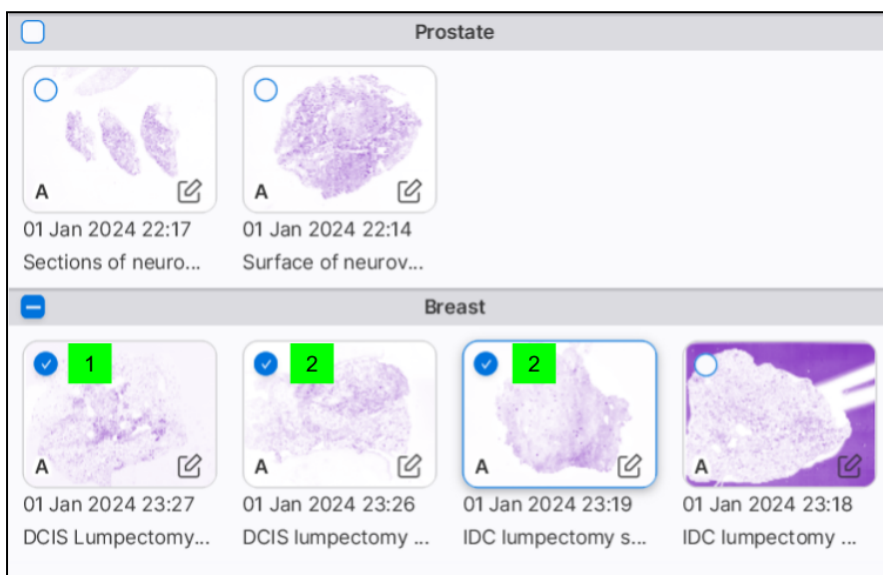
In the gallery screen click on the “select all” icon to select/deselect all images.

11.2.2. Select/Deselect sessions



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

11.2.3. 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.

11.3. Deleting images

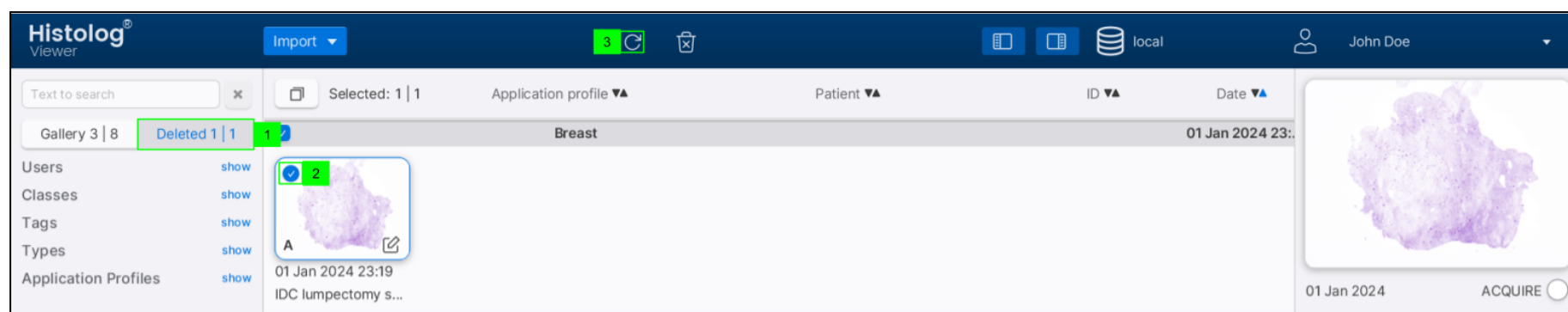


In the gallery screen:

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).

11.4. 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”.

11.5. 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).

11.6. 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.

11.7. Information panel

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

Text to search

×

Gallery 3 | 9

Deleted 0 | 0

show

show

show

show

show

Users

Classes

Tags

Types

Application Profiles

Import

↑

↓

local

John Doe

Selected: 1 | 1

Application profile ▼▲

Patient ▼▲

ID ▼▲

Date ▼▲

Lung

01 Jan 2024 19:17

Normal lung tissue

01 Jan 2024 19:12

Lung Parenchyma

Prostate

01 Jan 2024 22:17

Sections of neuro...

01 Jan 2024 22:14

Surface of neurov...

Breast

01 Jan 2024 23:27

DCIS Lumpectomy...

01 Jan 2024 23:26

DCIS lumpectomy ...

01 Jan 2024 23:19

IDC lumpectomy s...

01 Jan 2024 23:18

IDC lumpectomy ...

01 Jan 2024

ACQUIRE

Patient

Name

Birth

Breast session

Device

Created

Operator

Specimen location

Right

Left

Image

Description

IDC lumpectomy margin

Specimen surface

Cranial

Dorsal

Medial

Lateral

Frontal

Caudal

Annotations

Current annotations

John Doe

01 Jan 2024 23:18

service

Show/Hide the entire information panel

Show/Hide the Session information block

Show/Hide the Image information block

Show/Hide the Versions information block

Delete this image/annotation version

12. Viewing images

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

12.1. Information panel and navigation map

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

The navigation map located in the top right corner displays, in miniature, the entire image and indicates which portion of the full image is currently displayed in the Image Area. The navigation map also shows the traces of user navigation that was performed on the image. The traces correspond to two zoom levels: $25\% \leq \text{zoom} < 100\%$ and $100\% \leq \text{zoom}$. The former is used for reviewing images to locate areas of interest. The latter is used for detailed view of the areas of interest. Traces corresponding to zoom levels $< 25\%$ are not shown.

12.2. 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).

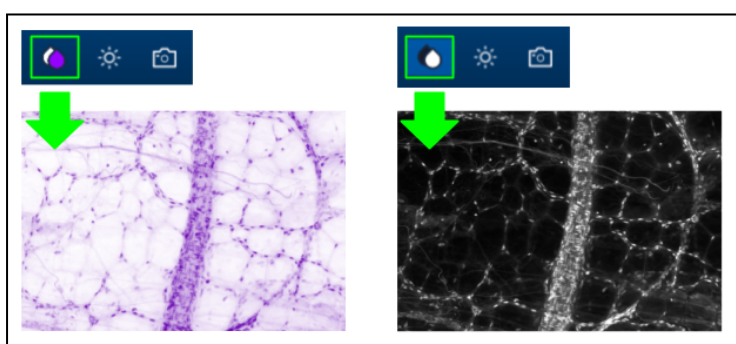
Adapt the image to your screen by clicking on the “Fit to screen” icon (1).

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

12.3. Colormap, contrast adjustment

12.3.1. Colormap

Images may be displayed in color or in greyscale.

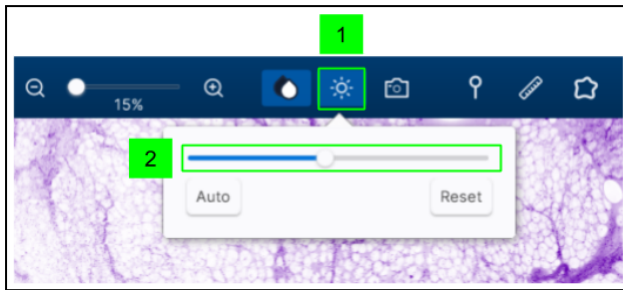


Click on the colormap icon to change the color mode.

12.3.2. 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”.

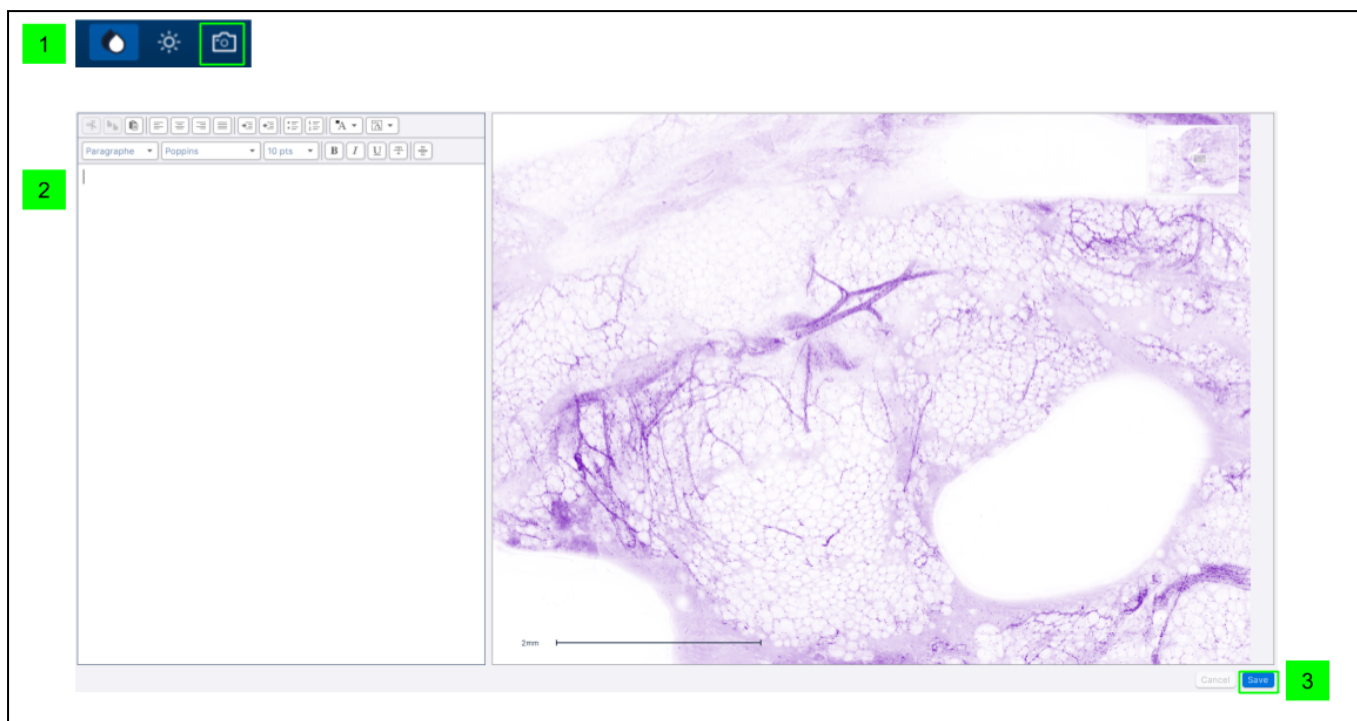
12.4. Configure layout

The right panel can be shown or hidden.



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

12.5. Snapshot



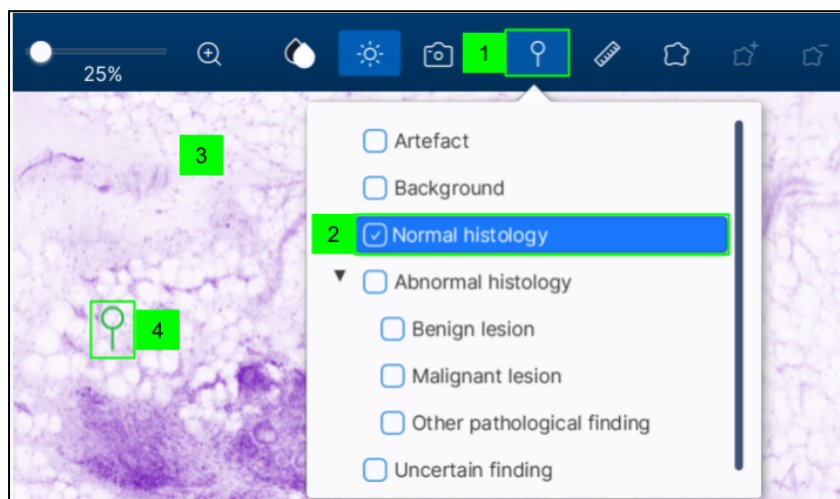
1. Click on the snapshot icon to make a snapshot of the displayed image portion
2. Add a description to the snapshot by using the text editing functions
3. Save the snapshot.

13. 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.

13.1. Adding annotations

13.1.1. 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.

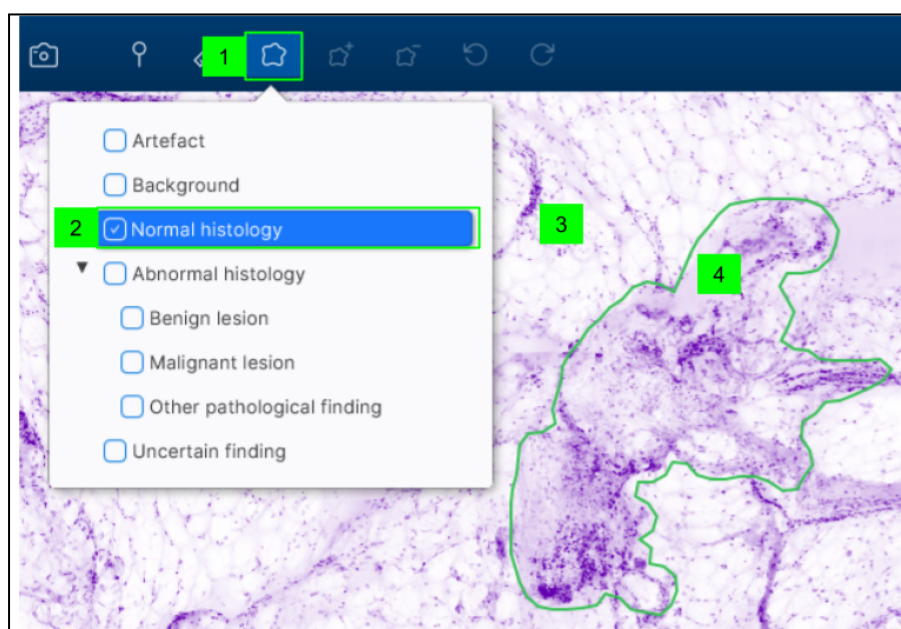
3. Click out of the annotation class window to close it
4. Click on the part of the image to place the pinpoint
5. Optional: Move the Pinpoint annotation by clicking on its circular head and maintaining the mouse button while moving it to the desired location in the image.

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

13.1.2. 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
2. Optional: Select an annotation class

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

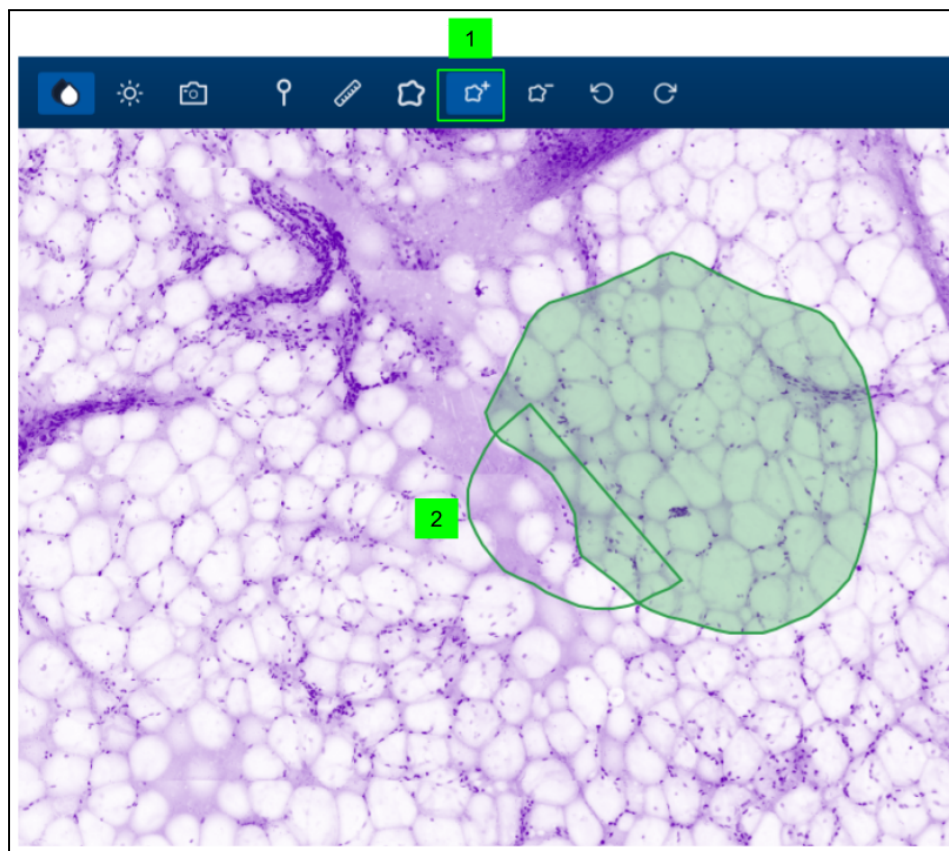
3. Click out of the annotation class window to close it
4. Draw a free-form by keeping the mouse click-button pressed.

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

Modify a Free-Form

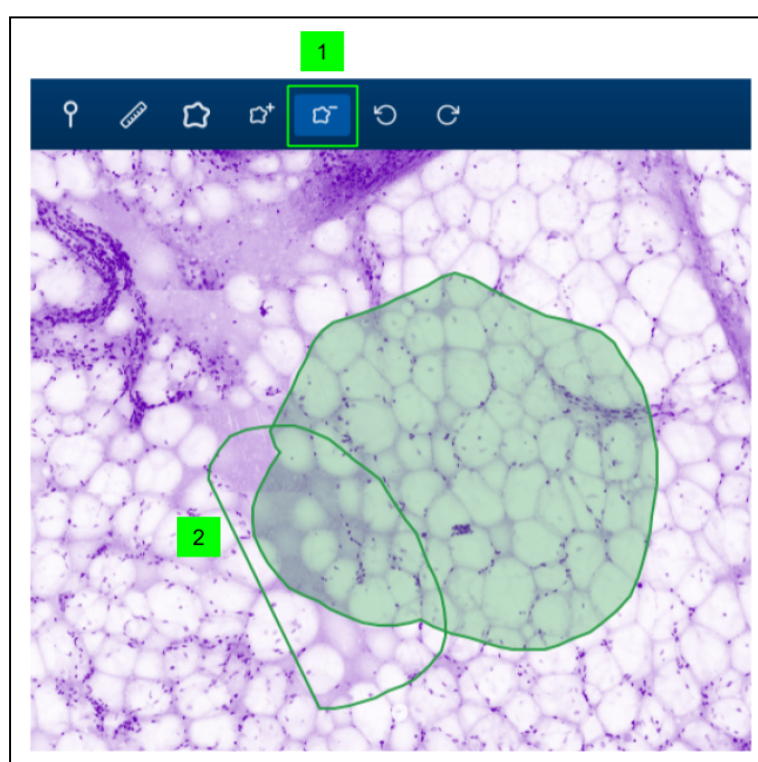
A Free-form may be modified by:

Adding a new segment



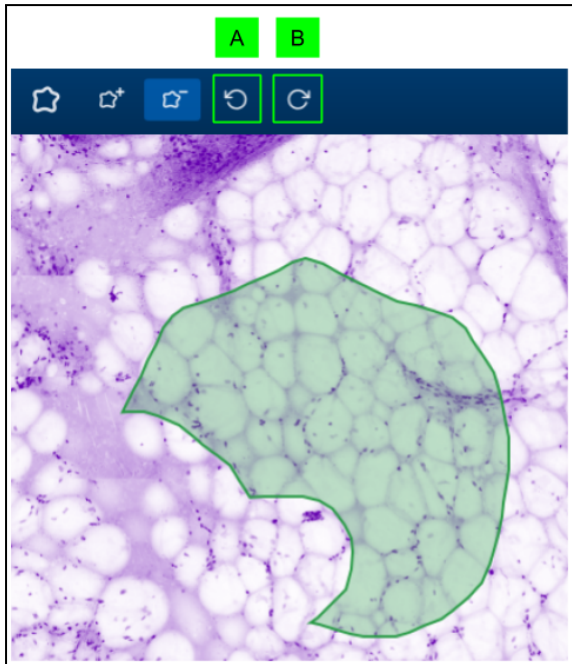
1. Click on the Free-form + Icon
2. Draw the segment to add.

Removing a segment



1. Click on the Free-form - Icon
2. Draw the segment to remove.

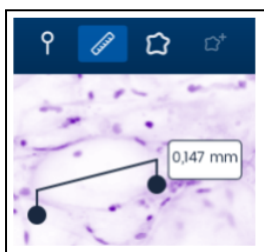
Undo or redo last action



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

13.1.3. Measure

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

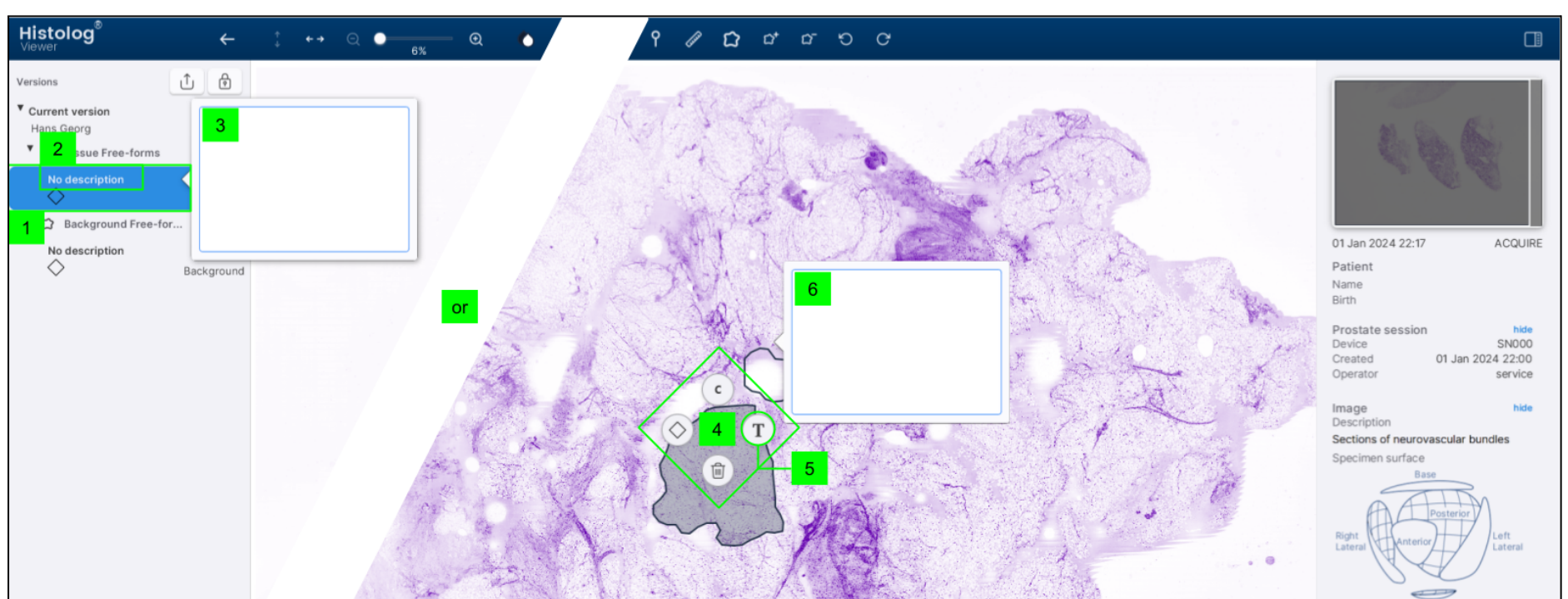


1. Click on the measurement icon
2. Click and keep pressed the click-button to measure.

NOTE Click on the measurement icon again to stop measuring.

13.2. 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

13.3. 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

13.4. 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.



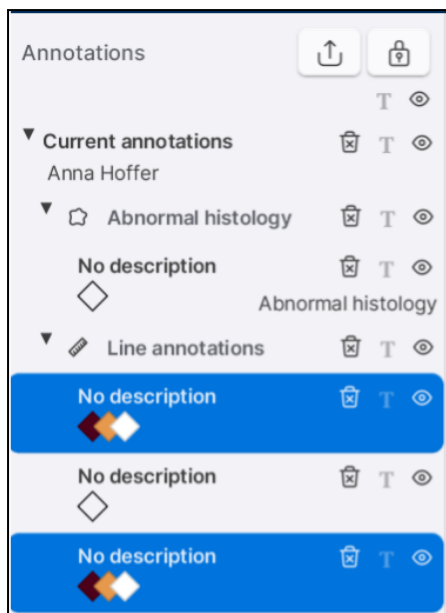
1. Select the annotation to tag
2. Click on the tag icon
3. Assign a tag to an annotation by:
 - a. selecting an existing tag; or
 - b. creating a new tag

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

13.5. 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.

13.6. 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.

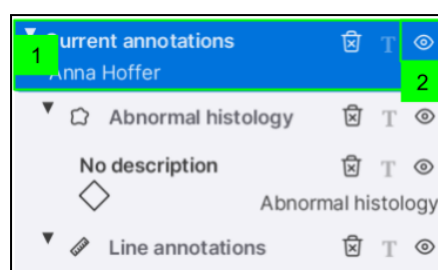
3. Click the “Delete” button to confirm the deletion

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

13.7. Displaying/hiding annotations

Annotations may be displayed or hidden.

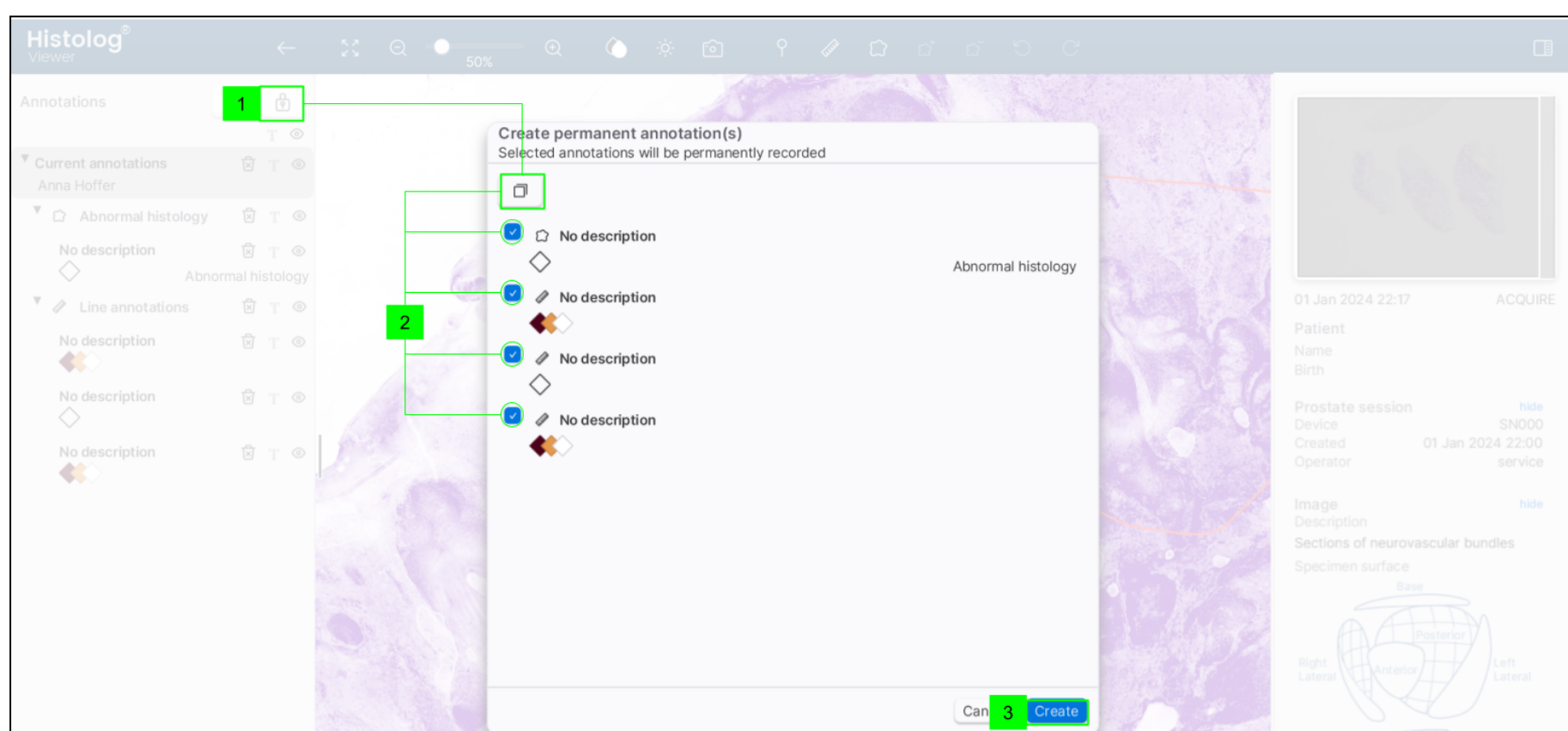


1. Select one or more annotation(s) or permanent version(s) to hide or display
2. Click on the display/hide icon

13.8. Permanent versions:

13.8.1. Create a permanent version

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

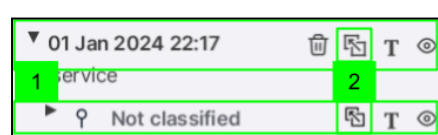


1. Click on the lock icon to create a permanent version of the current annotations
2. Select the annotations to record permanently with the checkboxes (3) or by choosing the “Mark all” (2) icon.
3. Click on the “Create” button

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

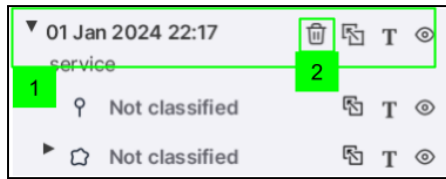
13.8.2. Cloning

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

13.8.3. 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.

14. Exporting images

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

14.1. 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.

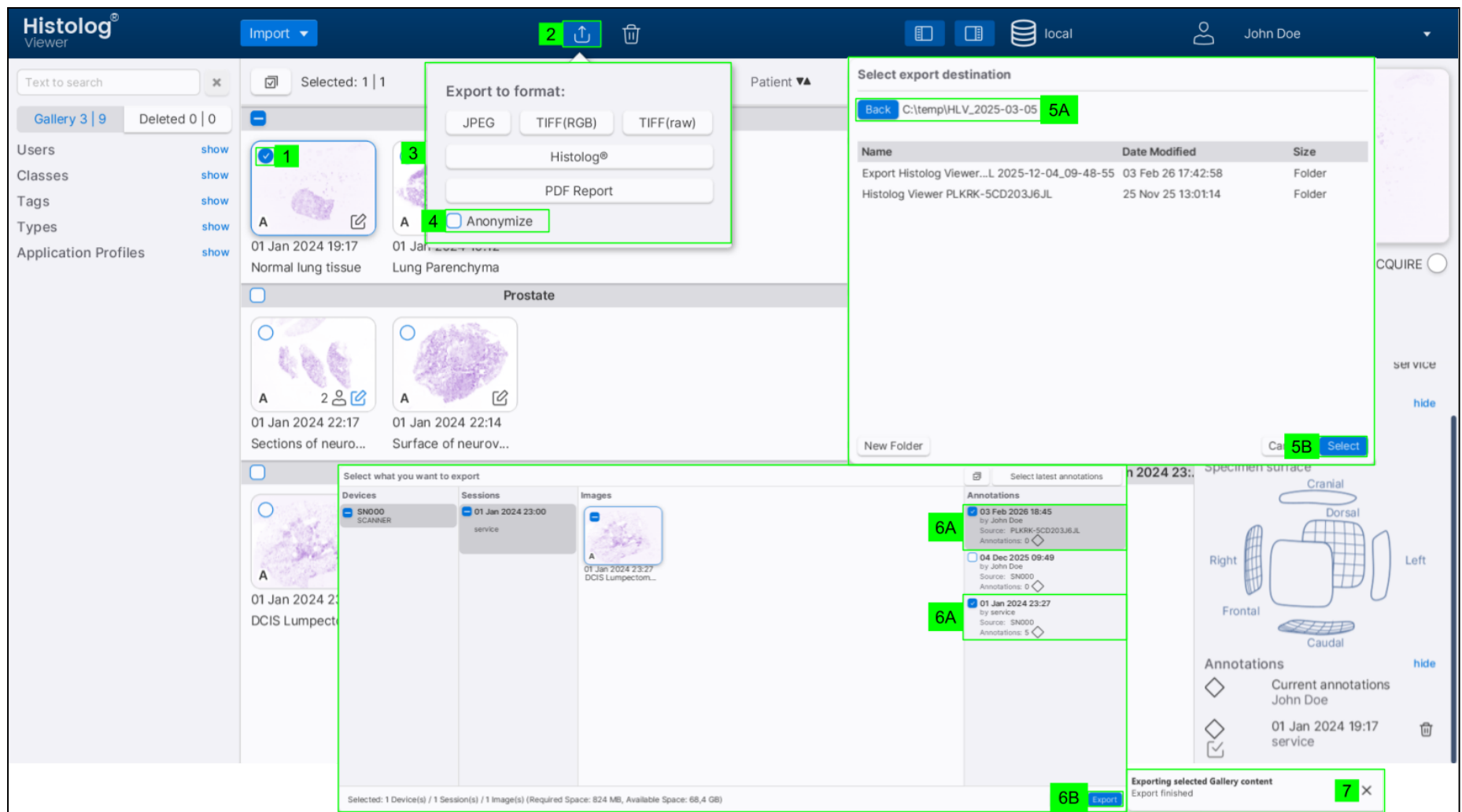
** typical size for one Histolog[®] Scanner image of type Acquire.

14.2. 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.

⚠ CAUTION Make sure 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).



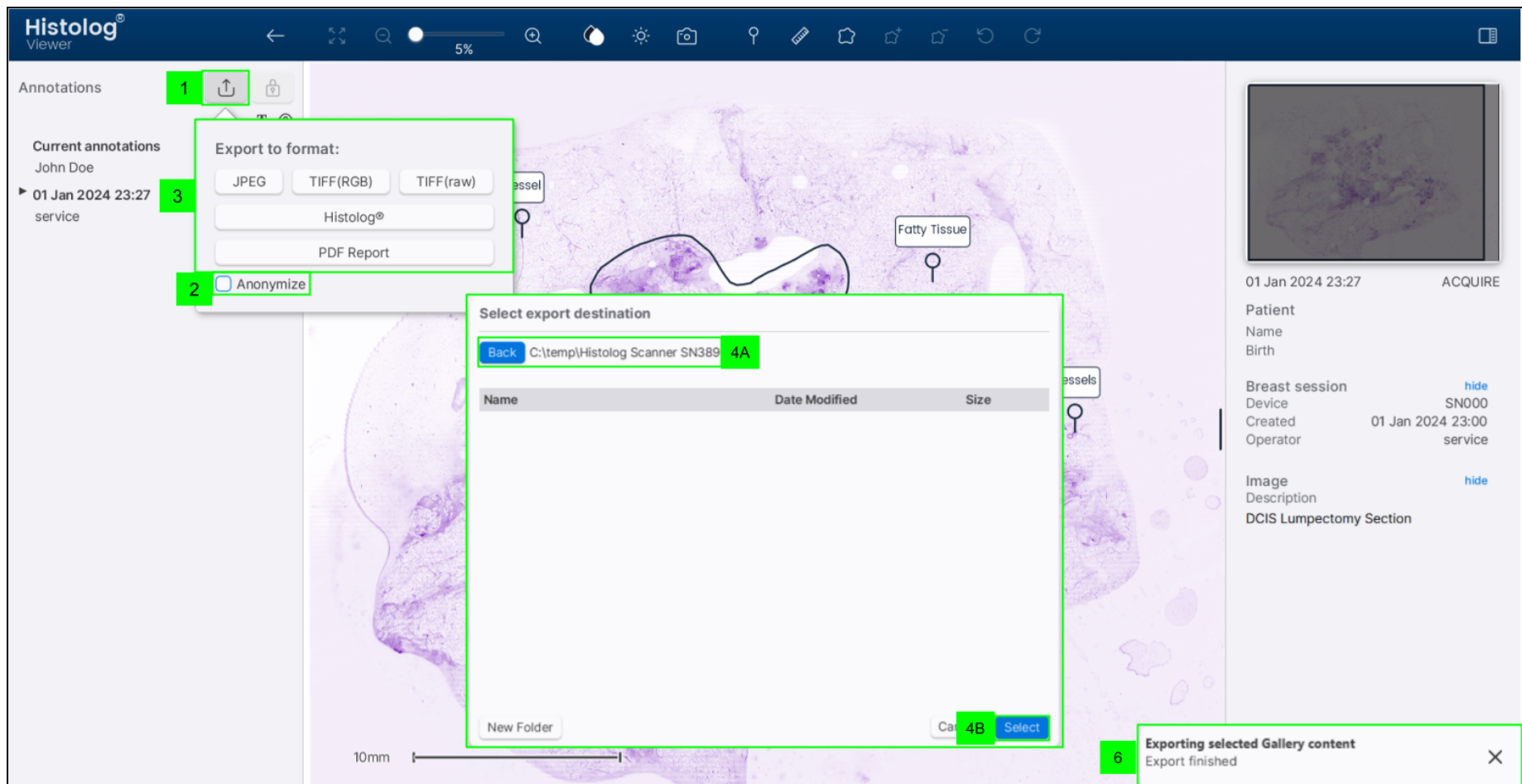
1. In the Image Gallery, select images as per [Selecting images](#) section
2. Click on the export icon
3. Select the format to export to
4. Click on the “Anonymize” check-box if the exported data needs to be anonymised

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

5. 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. When exporting to “Histolog®” format:
 - a. Select the version(s) to be exported in the “Export” dialog window
 - b. Click on the “Export” button
7. Once the export procedure is completed, the Histolog® Viewer momentarily displays an “Export finished” message in the bottom right corner

14.3. 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. 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
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. Once the export procedure is completed, the Histolog[®] Viewer momentarily displays an “Export finished” message in the bottom right corner

15. 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.

15.1. Contact SamanTree Medical

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

15.2. Export log files

For export of log files see section [6.8](#).

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.