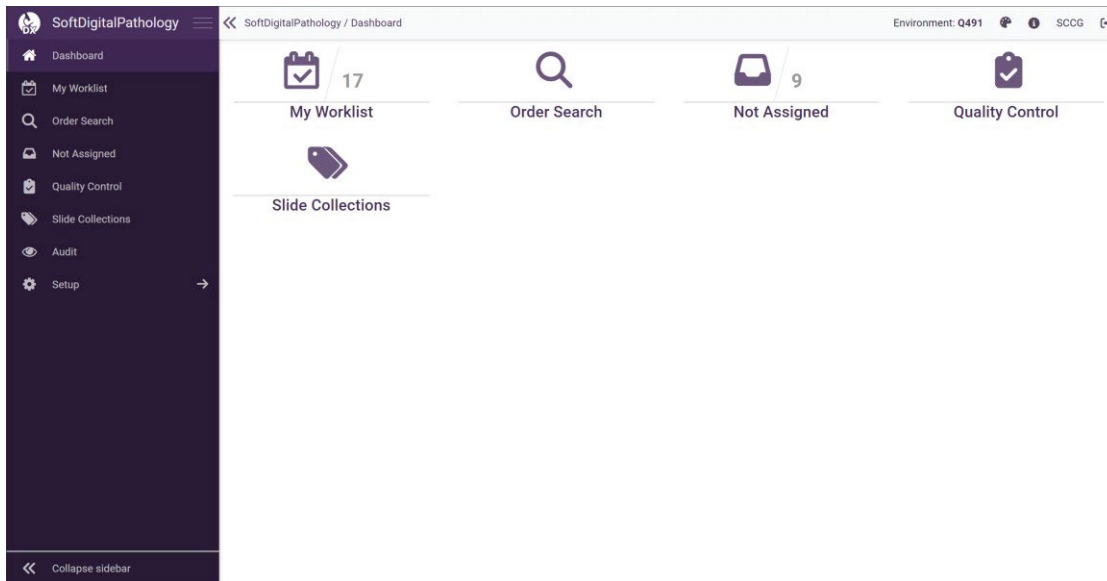


SoftDigitalPathology

Comprehensive Digital Pathology Image Management System

SoftDigitalPathology solution streamlines operations for **Digital Pathology management** and operations in laboratory, with the use specific not only to diagnostic laboratory and also for research and education.



Intuitive and comprehensive Image Management System for Digital Pathology built for pathologists and researchers. Scanner agnostic solution provides the **ability to connect to several scanners** with wide variety of WSI file formats, with multiple scanners connected at the same time, with manual uploading slide images supported as well. The solution supports use of local, network and cloud-based Slide Image Storage. **Management of image access** (including different access types - Hot Storage, Cool Storage etc.) provided. Slide Image retention period and rules can be configured to fit the storage capacity and to fulfil regulatory requirements.

FUNCTIONALITY

Order Management and Worklist Management

The solution can **organize Slide Images into Case-specific folders**. Both Automatic and Manual processes of adding whole slide images (WSIs) to case folders are supported in the solution. Opening the Viewer in context of the order **allows for an easy context-specific view** when working on a given case. Statuses of orders within the solution **can be synchronized with LIS** via LIS interface. At the same time, the application provides the ability to manually update order statuses. Worklists can be created using information from LIS systems, thus allowing for easy identification of cases assigned to a specific pathologist.

Order number	Priority	Specimen types	Order date	Last scanned date	Order status	QC status	First name	Last name	Gender	Age
SUR-21-15	Routine	Colon	1/20/2021		Ready for Review		MANUEL	OLSON	Male	103Y
SUR-21-42	Routine	Colon	4/26/2021		Ready for Review		JOHN	MCCLANE	Male	60Y
SUR-21-43	Routine		4/26/2021		Ready for Review		MANUEL	OLSON	Male	103Y
SUR-21-43	Routine	Left upper lobectomy	4/26/2021		Ready for Review		PETER	OLSEN	Male	79Y
SUR-21-44	Routine	Colon	5/19/2021		In Process		DEREK	JOHNSON	Male	68Y
SUR-21-44	Routine	Colon, Skin	5/19/2021		Ready for Review		CAROL	JOHNSON	Female	68Y
SUR-21-51	Routine	Kidney	5/24/2021		In Process		DEREK	JOHNSON	Male	68Y
SUR-21-51	Routine	Colon	5/24/2021		Ready for Review		CAROL	JOHNSON	Female	68Y
SUR-21-59	Routine	Appendix	9/27/2021		In Process		MARY	AUSTIN	Female	20Y
SUR-21-60	Routine	Appendix	9/27/2021		Ready for Review		TEST	MALE	Male	33Y
SUR-21-60	Routine		9/27/2021		Ready for Review		TEST	MALE	Male	32Y
SUR-21-61	Routine	Colon	9/27/2021		Ready for Review		JOHNN	DUNCAN	Male	92Y
SUR-23-91	Routine	Bone Marrow	4/17/2023		Ready for Review		MELISSA	BROWN	Female	58Y
SUR-23-94	Routine	Breast	4/18/2023		In Process	QC-FAILED	TETIANA	TIESTO	Female	51Y
SUR-23-99	Routine	Breast	4/18/2023		Ready for Review	QC-OK	MARY	AUSTIN	Female	20Y
SUR-23-102	Routine	Prostate biopsy TR	4/24/2023		In Process		CARL	GRIMES	Male	83Y
SUR-23-131	Routine	Breast	9/20/2023		In Process	QC-FAILED	DEBORA	SMITH	Female	21Y

Slide Viewer

A feature-rich Viewer provides several functions available to pathologists and scientists, beyond just viewing the slide:

- **Annotations, Measurements, Image Adjustments, Side-by-Side Viewing, Comments**

The System facilitates adopting Image Slide brightness, contrast and color compensation to the User's needs with the ability to store individual preferences. The solution allows marking a region of interest by drawing diverse shapes of annotations and doing precise Measurements to the viewed region. Up to four Slide Viewer can be opened concurrently to provide convenience during slide analysis and better comparison of slide images. The application provides the ability to enter comments on slide and order for handy notes available to pathologists.

- **Slide or Case Sharing to peer pathologists over a public network**

SoftDigitalPathology makes the traditional sending of the glass slides between the Laboratories no longer needed. The Solution supports sharing the selected slide or entire case with a peer pathologist located anywhere in the world securely and comfortably. Shared images are anonymized (PHI data are not included) and the user creating the Share link decides for how long the slide or the whole case will be available.



- **Conference for Interactive Collaborations / Telepathology**

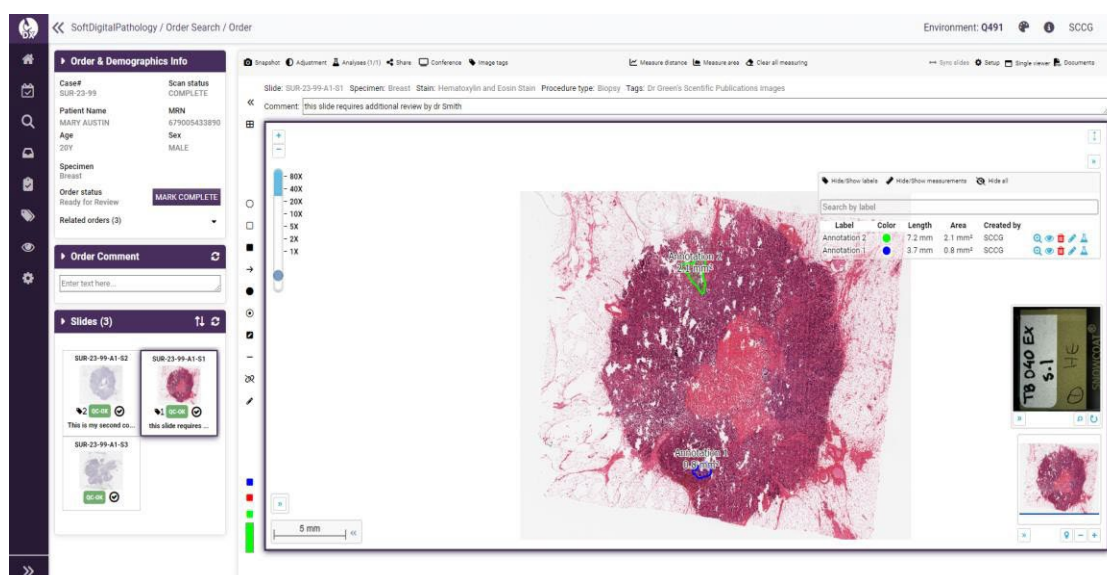
The System supports conducting a Conference and creating annotations by the Pathologist working in SoftDigitalPathology for anyone to attend that event. The solution makes it available to join an interactive conference from any location and different devices, including mobile phones.

- **Integration with AI Algorithms for Image Analyses**

The Solution allows installing AI algorithms and running the Analyses on demand. To save laboratory staff time and automate the work of algorithms, SoftDigitalPathology enables the organization of these algorithms in pipelines to run for WSI analysis at the time of image acquisition.

- **Quality Control Process for WSI**

SoftDigitalPathology allows to define Quality Control step for specific slides. A manual slide review to determine the slide image quality is available. Slide Images that fail the QC step create the rescan list for another attempt to obtain the images. This feature allows you to make slide quality control decisions in a less error-prone manner compared to conventional methods.



Integration with LIS Systems

Highly integrated with LIS Solutions

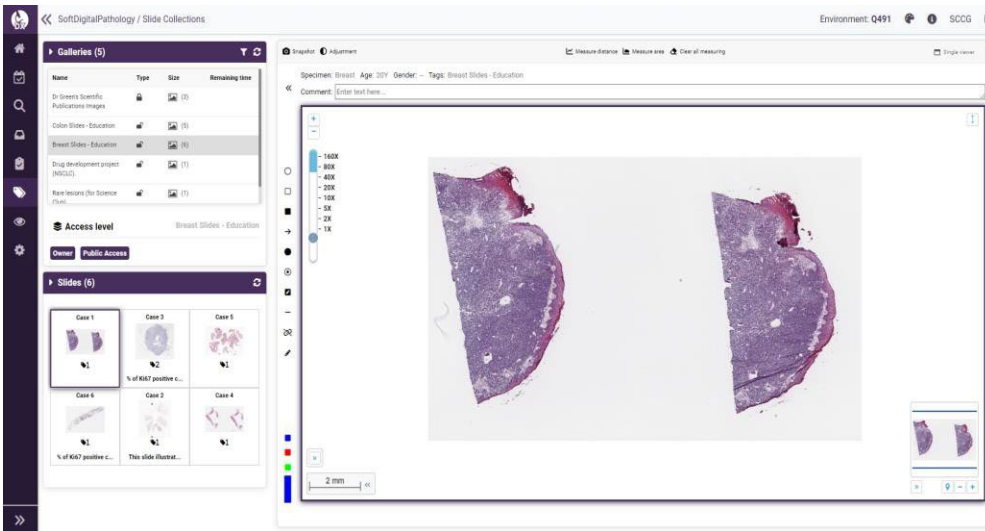
To support Diagnostic work, SoftDigitalPathology provides Connectivity to LIS Systems allowing to receive order and slide information into the solution, as well as order and status updates.

Notifications about scanned slides that can be sent to the LIS System

The solution can send notifications about scanned image so that this status can be updated in LIS System.

SoftDigitalPathology FOR NON-DIAGNOSTIC USE

SoftDigitalPathology supports not only the diagnostic laboratory operations but also research lab by organizing slide images for classes or lectures. In SoftDigitalPathology, you can easily and effectively create Image Slide Collections and share such collections with other individuals. Automatic removal of PHI is included and the function provides an easy way to share diagnostic Slide Images for education or research. Images from external sources can be also easily uploaded and added to such collections.



THE LATEST IT STANDARDS

The web solution based on the client-server architecture allows using of the system with any mobile device. Thanks to the application of the latest IT standards, it is possible to access the system from multiple workstations simultaneously and securely. Vast configuration possibilities enable the implementation of the system in even the most demanding laboratories, also working with Big Data.

QUALITY

SoftDigitalPathology supports the standards and requirements of ISO 9001, ISO 17025, ISO 15189, ISO 20387, GLP and GMP.

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