

ORNet PATHOLOGY

A VERSATILE DIGITAL SOLUTION FOR PATHOLOGY SPECIMEN MANAGEMENT AND IMAGING.

ORNet Pathology caters to the needs of Pathologists at several imaging and documentation points.

It can be used in both grossing rooms for macro and for small sample documentation, as well as in autopsy rooms for diagnostic and forensic post-mortems.



The solution uses a 12MP Sony CMOS camera with up to 25x optical zoom, paired with a 24" 4K medical PC, for precise imaging of all specimen types. For autopsy settings, the same camera can be installed above the table or on a mobile medical cart for flexible, high-resolution imaging.

ORNet Pathology's strong integration capability with LIS, PACS, and other storage solutions makes it an essential bridge between systems, fostering the creation of fully digitalized laboratories.

EFFICIENCY, ACCURACY, AND EASE OF WORK with SPECIMENS IN ORNet PATHOLOGY



It integrates with LIS to automatically retrieve patient and study data, including container and cassette counts, preliminary diagnoses, and needle specifications.



Immediate specimen imaging, removing the need for verbal documentation or drawing of colour and shape. In addition to optical zoom, the images have a 10x digital zoom for detailed magnification.



Unique tools for fast measurement of samples and calculating their size and area, including integrated medical scales for automatic weighing.



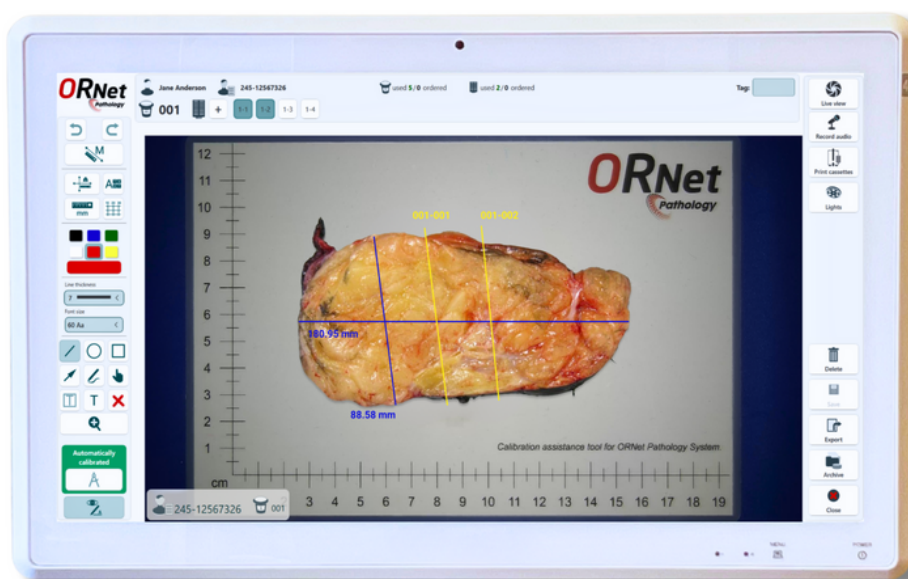
Enhanced patient security through barcode verification of containers and cassettes, along with an option to add and print new cassettes as required.



Easy annotation with grossing station based standardized terms. Drag and Drop frequently used terms to the image for accuracy. ORNet Pathology also includes specialized tools for marginals.



To ensure patient security, images are automatically tagged with patient and procedure data, with the option to include specimen and container information.



Audio files with patient and study metadata can be created as a supportive means of documentation that are ready for immediate transcription.



Working in tandem with the Assistant is made easy due to the options of switching between live camera feed and taken still imagery.



Pathologists can mark cuts on images with connection to labelled cassettes. That means all data is clear and visualized.



Hands-free control of solution with the foot pedal where all main features can be personalized according to user's preferences for ease of operation.



Secure online consultation with live video feed from the camera or still images.



Instructions in the form of documents or videos can be uploaded for general use or rare examinations, and can be viewed according to examination type.

HOW DOES ORNet PATOLOGY WORK?

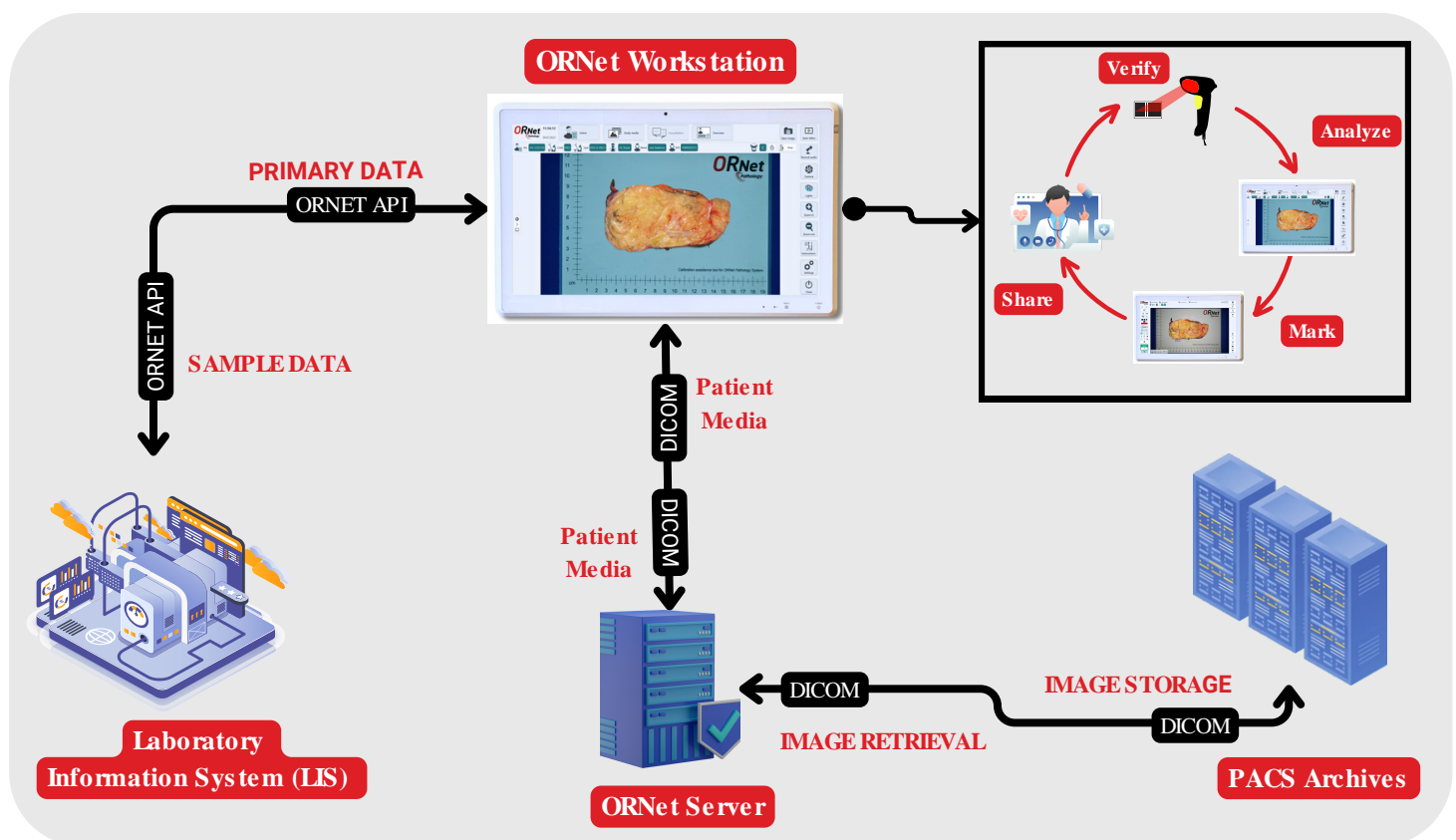
In pathology, macro processing of samples is a crucial step that involves detailed documentation of sample descriptions, size measurements, weight, and more. But it is traditionally time consuming.

ORNet Pathology makes this entire process digital, enabling pathologists to work faster, easier & with greater accuracy.

Verify: The system starts with specimen collection where each sample is verified using a barcode scanner, enhancing patient security.

Analyze: Pathologists can capture high-quality images and identify areas of possible tumors.

Mark: Use the annotations and markings tool to add precise markings & comments directly onto the images. Image calibration allows to measure the size of the tumor automatically. Containers and cassette numbers are on images for traceability. Images can be marked using an intuitive touchscreen, keyboard, or foot pedal for hands-free operation.



Share: ORNet Pathology can integrate with the LIS, linking every image directly to the relevant patient data. At the end of the workflow, pathologists can generate a comprehensive report with one click and send sample data to LIS and images to PACS archives.

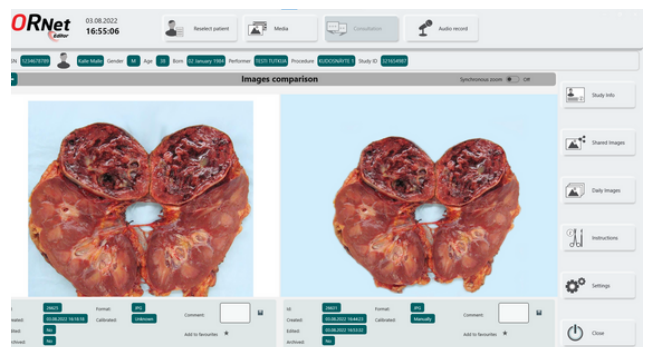
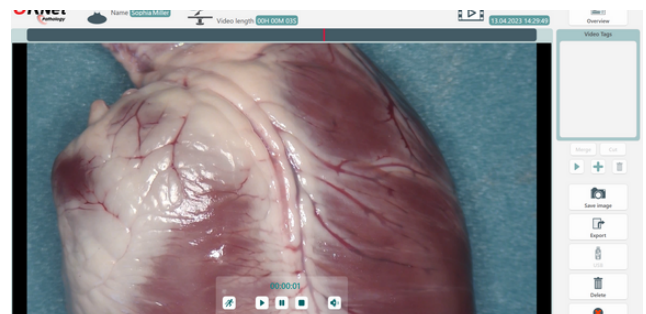
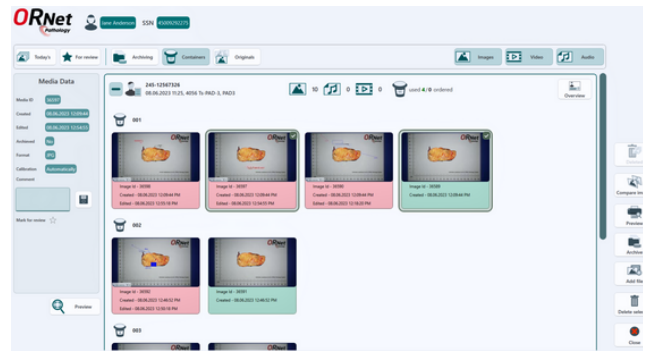
HISTOPATHOLOGICAL SAMPLE DATA WITH ONE VIEW: LESS TIME SPENT ON SEARCHING DATA

After examination, specimen and examination data is automatically sent back to LIS with information regarding added cassettes and diagnosis from the Pathologist. This allows the creation of a diagnostic report much faster. Images and videos can be sent to the Archive and are also easily available in ORNet Pathology for an assigned period.

ORNet Pathology also allows images from any source to be handled in a standardized manner. For instance, Anatomical Pathology images taken with manual digital cameras can be uploaded to the open study.

Pathologists can sort and view data based on parameters such as containers or file types. They can also compare images taken from grossing station and the archived images from related microscopic studies to create informative reports. An overview of the examination is available for further documentation if needed.

For further office work, ORNet Editor software helps the User to continue from where you stopped in the laboratory, giving an easy and convenient opportunity to add annotations to any files in the library previously created. It also features advanced video editing tools for educational use.



ORNet Pathology is created for laboratories valuing modern methods of work and creating standardized digital documentation. It aims to solve the need for a digital laboratory and decreases turnaround time and integration time with one cohesive and standardized solution.

ABOUT US

We at Bait Partner OÜ, have been developing multilingual ORNet brand solutions for the last 12 years. We are innovators in medical device solutions, creating tools that simplify workflows and protect patients. Our team combines experience and innovation with technology to provide solutions that are standardized, yet tailored to every customer's needs.

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