

Centralized management system for pathological imaging and telepathology



- ✓ **ORNet Pathology System makes it easy to capture, annotate, measure, and save high quality images, videos and sound. The telepathology feature allows data and image materials to be shared with specialists in other locations.**
- ✓ **Leading university labs have been engaged in creating a multifunctional tool that suits macro and anatomical pathologists alike. Workflow is elaborated for pathology needs in gross dissections at hospitals or dedicated laboratories and criminal or anatomical pathology**
- ✓ **ORNet Pathology System provides main imaging hardware with control and management software, that allows integration with HIS PACS archives using DICOM and HL7 standards and existing pathology workflow and billing software, if necessary. For smaller organisations or specialised laboratories a specific solution can be set up according to workflow requirements.**
- ✓ **For pathologists, it is an ideal solution since with one solution different manufacturer components of various ages can be integrated into one working system for saving costs.**

ORNet Macro and Anatomical Pathology Systems – Analyse. Mark. Share.

Image, video and audio management

Different types of image sources can be connected and controlled – cameras, microscopes, surgical light cameras, general room cameras.

ORNet Pathology also supports voice devices connected to a Windows workstation, for example microphones, teleconferencing solutions or other sound devices.

Camera control

ORNet Pathology Macro System is supplied with a top quality HD or UHD camera with a 30x optical zoom for high -definition image capture. Auto Focus, Brightness, White Balance and Iris settings are available along with the zoom feature.

LED lighting

Integrated long-lasting high intensity LED light to create sharp and bright images with perfect details.

Two levels of light intensity for no shadows and a sharp image with excellent colour reproduction.

Foot pedal and table button

Foot pedals with 2-4 buttons for hands-free control or a table button for ease of operating allowing camera zoom, image preview, save image or save audio file functions. Optional camera stand motor up/down. Possibility to add customized functions.

Barcode scanning

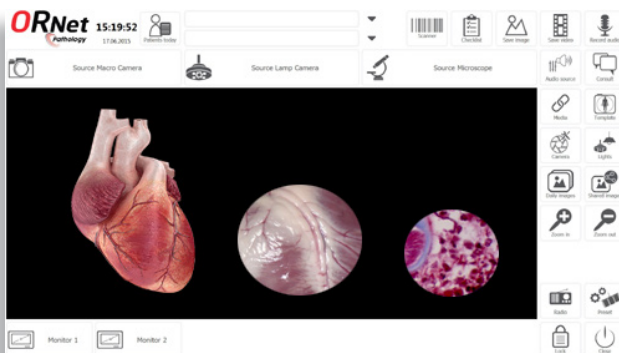
ORNet Pathology software supports reading and writing multi-dimensional barcodes and RFID. This functionality is customer-specific.

Pathology-focused software and interface

ORNet Pathology software was designed with feedback directly from pathologists for advanced image and video capture and editing, analysis and management.

The icons in the user interface are clear and logical, focused on main pathology imaging tasks, allowing imaging speed maximising.

Push button operations for accelerated workflow. ORNet pathology supports both macro and anatomical imaging with a common user interface. Localised language user interfaces available.



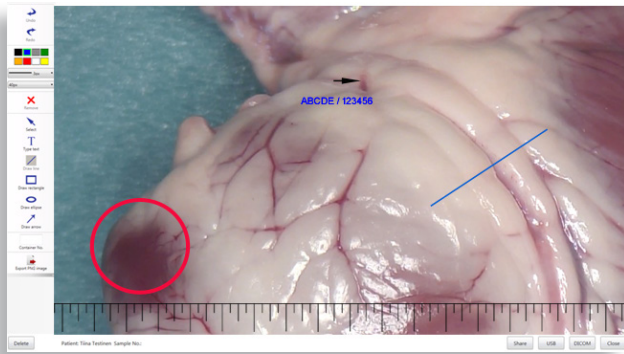
Measure and annotate

ORNet Pathology provides comfortable annotation and measurement tools for detailing your images.

Annotation style preferences are easily set or changed with control over numbering, size, font line size and color. Basic and special annotations – a full set of text and drawing tools ensures fully detailed images.

Annotations can be added using the touchscreen on-screen-keyboard or a splash-resistant keyboard and mouse.

ORNet Macro and Anatomical Pathology Systems – Analyse. Mark. Share.



Professional Documentation

Professional documentation is the foundation of quality assurance and process improvement and it is also the basis of how you are perceived by your patients, referring physicians and by the legal establishment. General report printouts are an easy tool for that.

Telepathology

Connecting pathologists point to point with the opportunity for real-time discussion of dissection and consultation that helps confirming diagnoses. Telepathology connected with the teleconferencing system allows connecting and consulting worldwide without leaving your workplace.

Training

The auditorium video and audio feature provides excellent training possibilities. Students can access live images from autopsy rooms or macro pathology labs.

Easy to Implement

The ORNet Pathology System is an open solution able to support your existing hardware from different manufacturers and software infrastructure. Two setups of Ornet Pathology, the ORNet Macro Pathology System and ORNet Anatomical Pathology System give you hardware and software in one package basic to start working and allows integration with PACS.

Choice of mounting

Adjustable table stand or wall bracket for camera mounting optionally with a motor is available for the Macro Pathology System.

Image Printing and Sharing

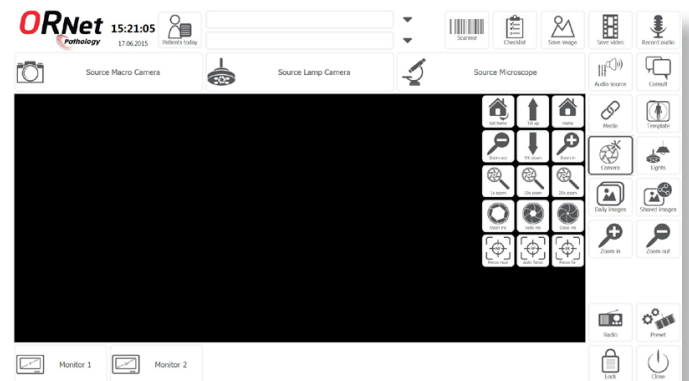
ORNet Pathology enables image sharing between the different ORNet Pathology workstations. Other possible operations with the taken images are quick and convenient printing, sending to PACS, saving to USB memory or any other external storage device.

Templates

ORNet Pathology allows pathologists to upload image templates (organs or body parts) that they need for annotations in their field of work. Pathologists can use those templates for marking a dissection area and adding this to a report.

Image Archiving

Taken as well as edited images have already automatically integrated metadata with patient information. Those images or videos can be sent to a hospital's local storage or PACS archives either manually or automatically. The frequency of sending data to PACS can be predetermined according to the requirements of the department.



FLEXIBILITY AND EFFICIENCY IN WORKFLOW

- ✓ Scalable solution allows expansion according to growing needs
- ✓ Devices and software are combined into one seamless system
- ✓ Settings according to personal preferences

TIME AND MONEY SAVING

- ✓ High quality imaging with an intuitive and logical user interface excellent imaging results already integrated with patient data.
- ✓ Telepathology allows for consultation without leaving your workplace.

ORNet Workflow

Taking sample material in surgeries, medical centres, during clinical or forensic autopsy. Images of taken samples marked with patient data. Primary remarks added to images. Videos of procedure recorded, audio files added.

Patient record from HIS added with pathology form

Teaching or training

Reference number and barcode or RFID tag reading and printing

Results of dissection or other studies are available for clinicians. Dedicated LIS software can be integrated.

Samples with barcodes sent to specific research facility

Samples are analysed and reviewed, the report is recorded. Results are sent to PACS.

Sample image can be captured, recorded, annotated, measured and shared.

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