



MILESTONE
H E L P I N G
P A T I E N T S



...Ivory, creamy, white?

...Nut size, orange size?

A picture is worth a thousand words



MacroPATH pro-x

Macro digital imaging system
for the grossing room

MacroPATH pro-x

The visual description of surgically excised specimens together with the sampling site forms an important component in the documentation of a patient case. Accuracy of the description depends on the vocabulary and descriptive prowess of the Pathologist or Pathologists' Assistant, transcription of dictation also takes time and can involve additional services external to the pathology group.

Since 1999*, Milestone has pioneered the use of macro digital imaging systems to document the grossing procedure. Our technology has enabled laboratories to implement better quality assurance oversight, reduce specimen description time, and provide greater accuracy.

The new MacroPath pro-x is a user-friendly, high-resolution image capture system that can either be mounted to fit any existing grossing workstation or used as a shared stand-alone resource. Selected high-resolution images can be used to supplement synoptic or preformatted reports that provide essential data or clinical relevance.

The stored images form a powerful database for QA, teaching and research.

Connection to remote transmission facilities allows teleconferencing and telepathology consultations.

**An advanced digital image-capture computer system for gross specimens: a substitute for gross description. Antony S.Y. Leong - Pathology (2000) 32, pp. 131-138*



The MacroPATH pro-x installed in existing grossing workstation



The stand alone MacroPATH pro-x

- 1 State-of-the-art digital camera 16 Mpixels resolution (Image size: 4608x3456 px)
Lens 10x. Autofocus, Auto-light adjusting, Auto WB.
Built-in LED illumination and USB extender.
- 2 Point-of-care control terminal, 17" touch screen
- 3 Waterproof IP68 keyboard
- 4 Foot control module (ZOOM IN/OUT-SAVE-RECORDING)

*Optimized quality assurance
Improved productivity and workflow
Icon-driven, user friendly software
Hands free operation*

Macro digital imaging system



1 Start a new file.

Enter specimen/patient data by keyboard or scanned barcode.

Program automatically opens.

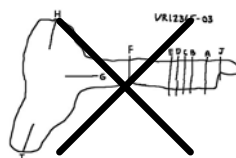


2 Digitizing the requisition form.

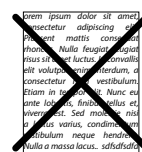
Capture a digital image of the requisition form to exclude potential mismatch errors when manually entering the patient/specimen data. Ideal documentation for Quality Assurance.



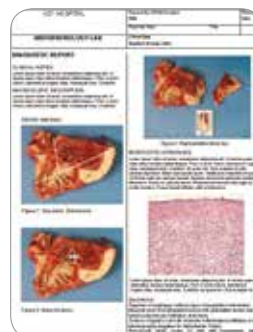
No more...



Hand drawings



Long descriptions



7 Enhanced diagnostic reporting.

Macro images and MP3 files of description text are available to all pathologists at time of sign-off.

Discover more features of MacroPATH pro-x at www.milestonemedsrl.com/macropathprox



for the grossing room



3 Create a library of images.

Capture real size, close up images of excised specimens in rapid sequence. Saved images appear as thumbnails on the right side of the screen.



4 Automatic sizing/area.

Select image of interest. Choose appropriate sizing tool (linear, area, perimeter) and select area of interest.

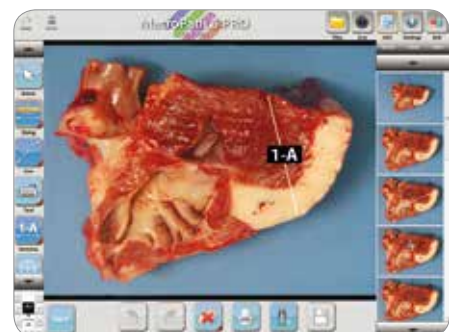
... just MacroPATH pro-x.

A rapid sequence of digital images and spoken comments.



6 Correlation of labeled cassettes and sampled tissues.

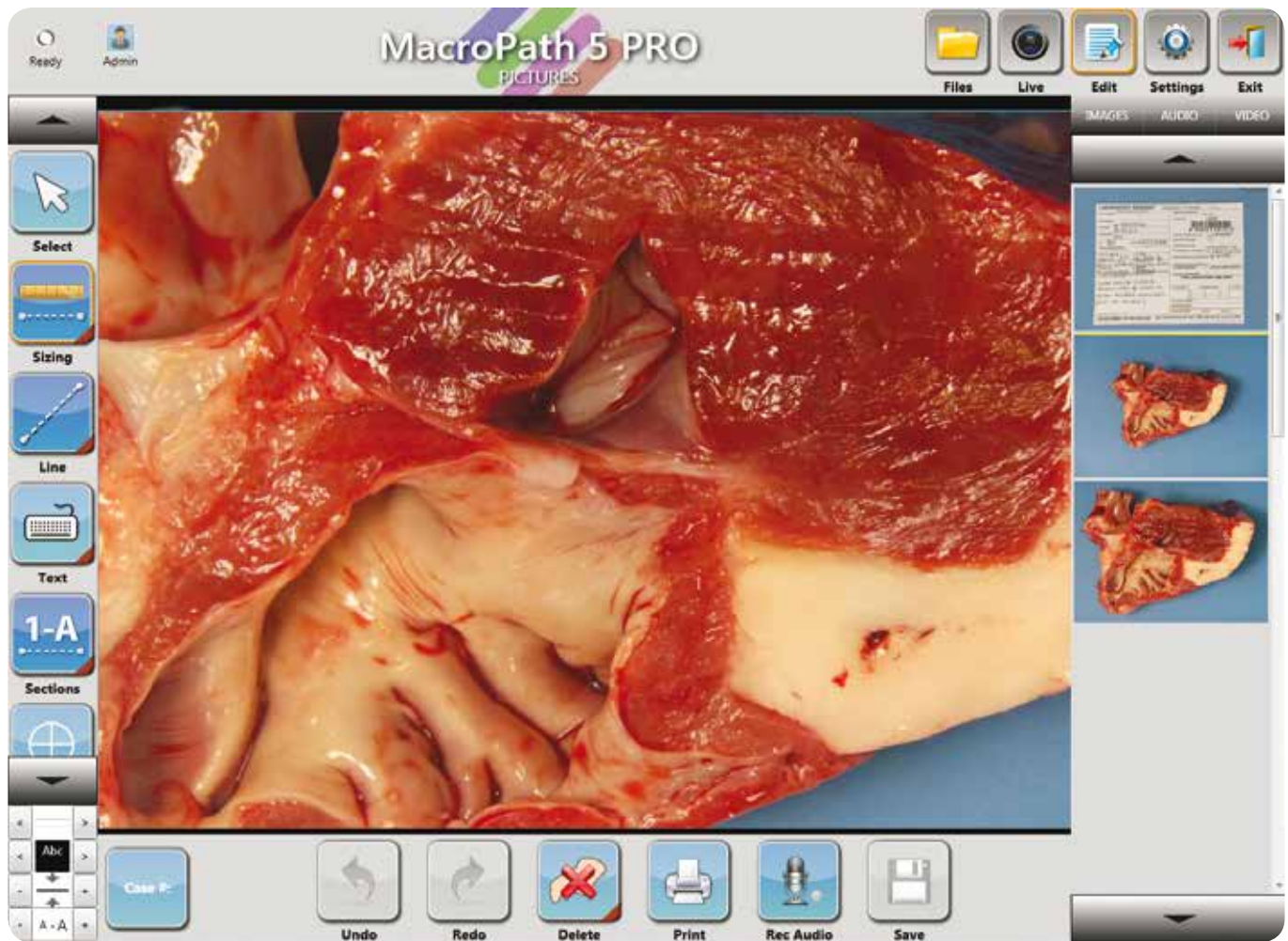
Eliminates potential mismatching of cassettes labeled/number of blocks, sampled tissues. Valuable documentation in educational/training environment.



5 Automatic block key indication.

Pick the image of interest. Select "Sections" icon. Draw on specimen to indicate sampled areas. The tool will label sequentially.

The image quality of MacroPATH pro-x



The MacroPATH pro-x benefits

In the Grossing Room:

- A major visual complement to standard descriptions.
- Availability of images eliminates vagueness in description of shape, size and color of specimens.
- Eliminates hand drawings or long descriptions.
- Enables detailed observation and documentation through 10x optical magnification.
- Rapid and accurate sizing/area of specimens.
- Easy and precise labeling of tissue block sample locations.
- Full documentation of specimen "as received".



In the Microscopy Room:

- Macro images are available to all pathologists at time of sign-off.
- Create more informative pathology reports by adding context with macro images.



Interfacing the MacroPATH pro-x

In addition to stand-alone operation, MacroPATH pro-x can interface with a PACS or LIS through coded solution or TWAIN mode.

Stand-alone system



Interfacing with LIS (Laboratory Information System)



1. Software running in the background monitors a local or network location for image additions.
2. MacroPATH pro-x acts as a secondary application to the LIS. Patient case identifier is held by LIS.
3. LIS launches MacroPATH pro-x.
4. User completes image acquisition and annotation.
5. Assets are transferred to the LIS.
6. As new images arrive at that chosen location they are captured and transferred into the PACS server.

Milestone world market leadership

- First company to develop and market a grossing camera system.
- Largest installed base of macro digital imaging systems.
- Since 1999 over 1,000 units in operation worldwide.
- The de facto standard in macro digital imaging for grossing.
- The highest quality of application and service support.



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