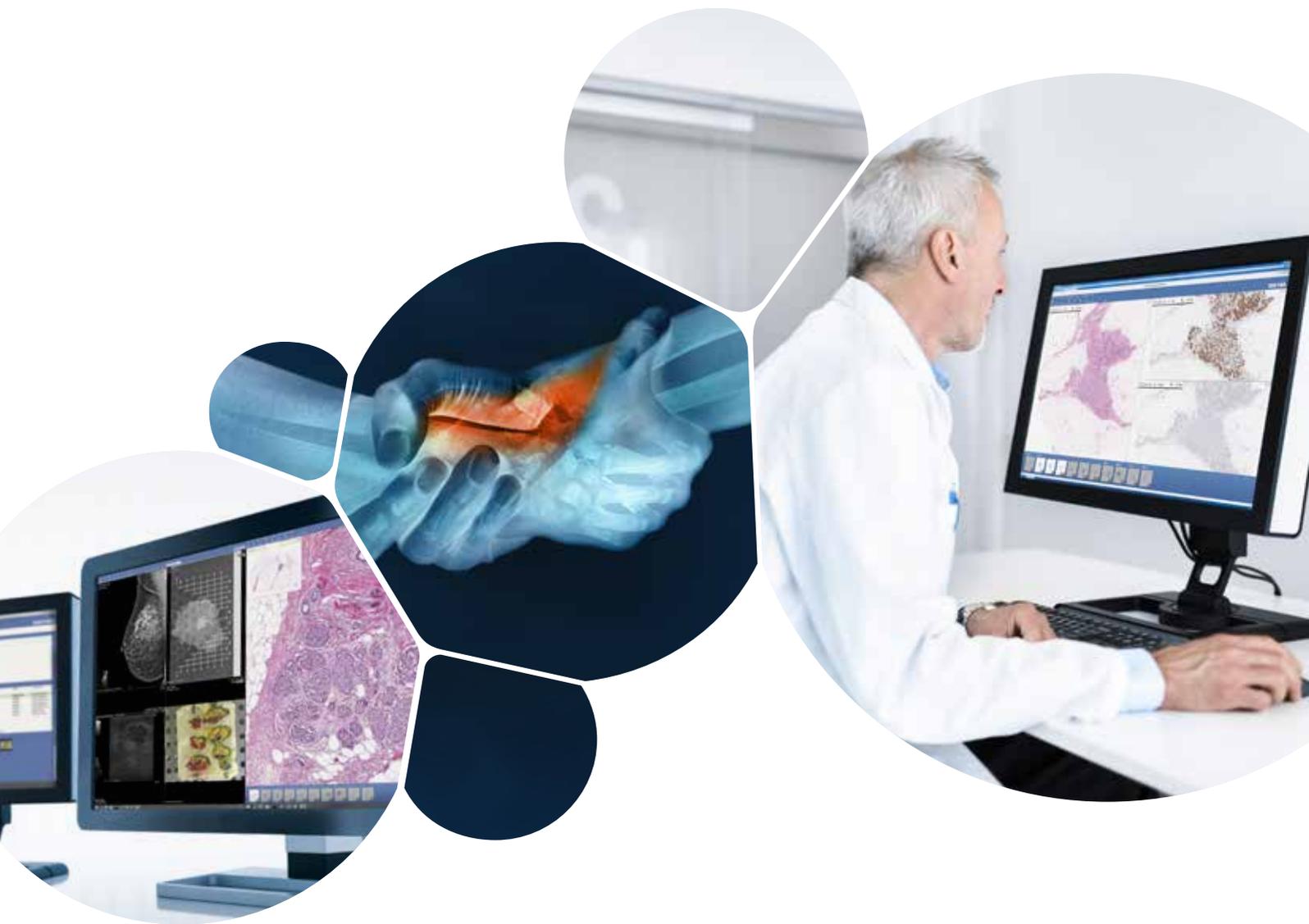


Sectra Digital Pathology Solution



SECTRA
Knowledge and passion



Follow patient pathways. Abolish healthcare barriers.

Sectra works toward a goal of truly patient-centered care, where images and data follow the patient, rather than letting organizational structures hinder a smooth and efficient care process. To accomplish our aim, we provide solutions for capturing, storing and accessing virtually all images, video, audio and documents. We also provide a technical infrastructure that facilitates cooperation and dialog across organizational boundaries, as well as workflow solutions that enable efficient diagnostics in the most image-intensive departments.

Sectra's solution for digital pathology allows pathologists to make their diagnoses and carry out reporting with higher precision and less time spent per case. It makes workload balancing, consultations, second opinions and frozen section reviews much more efficient. It also supports integrated diagnostics workflows by enabling improved collaboration between radiology and pathology.



Sectra digital pathology

Solution overview

Sectra provides a complete solution for primary diagnostics in pathology, developed in close cooperation with leading practitioners. With more than 20 years of experience from medical imaging – and having been a pioneer in the digitization of radiology – we are ready to support pathology in its journey from analog to digital. Our offering includes:

SECTRA DIGITAL PATHOLOGY WORKSTATION

A powerful workstation with an optimized image window, which gives pathologists access to a plethora of digital tools enabling them to display and interact with images in a fast and intuitive way. The workstation is easily integrated with scanners, macro cameras, LIMS and EMRs, as well as other imaging systems, such as PACS, and digital pathology systems. This provides access to the full patient overview any time, from anywhere. It also enables easy image sharing for external review and workload balancing.

SECTRA DIGITAL PATHOLOGY ARCHIVE

Archiving and storage solutions with intelligent mechanisms for Information Lifecycle Management to create a cost-efficient storage strategy.

*In the US, digital pathology for primary diagnostics is still pending FDA approval.

Improved pathology workflows

More time for diagnostics and improved quality of care

Digital pathology offers functionality which goes far beyond the microscope. The new opportunities significantly increase workflow efficiency. It transfers time-consuming tasks to the computer, allows the pathologist to spend more time actually reviewing cases and makes collaboration with other pathologists much more efficient.

Rapid and more consistent reviews

Sectra's high-end review workstation provides pathologists with the right environment and tools to perform their work in a digital system and to reduce the pain-points associated with time-consuming and labor-intensive manual workflow. Pathologists can use their time more efficiently by focusing on performing advanced diagnostic work while the computer performs time-consuming tasks that require data processing, such as cell counting or organizing samples. The workstation provides, for example, immediate access to tools for measuring areas and distances, changing the orientation of an image or making annotations. Another benefit is the reduced glass management, which saves significant time on the part of technicians and secretaries, who no longer need to assemble cases for review by the pathologist or for multi-disciplinary team (MDT) meeting preparations.

The workstation also gives the pathologist instant access to patient information, including a full image history. Reports, written or prepared with a speech-recognition plugin, are distributed to your LIMS or EMR system through standards-based integration. This, in combination with the workstation's extremely fast image display, supports you in a quick and accurate diagnosis.

Anywhere access to full case overview

Sectra's pathology workstation is based on Sectra PACS, an IT system for managing medical images that has been used in radiology for more than 20 years. Sectra's digital pathology solution is an enterprise-wide IT solution with a central storage and workflow engine for all images produced in the department – or even hospital – which grants access to images from wherever you are, whenever you want, based on access rights.

The solution provides full case overview, including pathology images from different scanners, images from macro cameras and other image systems, as well as patient information from EMR and LIMS in the same workstation. Having the possibility to perform all daily tasks from a single workstation with instant access to images, not tied to a dedicated computer or brand of scanner, enables efficient pathology workflows, especially in primary diagnostics.

Facilitating second opinions

Sectra's digital pathology solution is designed to allow seamless sharing of digital slides and patient data in multi-hospital environments, enhancing the workflows around consultations, frozen sections and second opinions. Borderless workflows are supported by the ability to set up worklists to cover one or several units in a single, consolidated view, which is optimal for workload balancing. Image display is instant, regardless of where the pathologist is located, including off-site. Accordingly, pathologists can access cases throughout the enterprise – at any time and location in the network. This enables you to further enhance the use of pathology resources to achieve major productivity gains, which contribute to improved and more efficient care.

An efficient department

A digital system enables proactive production planning by allowing staff and managers to keep track of how many specimens are in the system, where they are in the production chain and whether or not time limits are adhered to. This can only be achieved by a strong integration between the LIMS and the digital pathology solution.

Digitized images also eliminate the need to go to the glass archive to access a previous slide. And while glass slides can be broken or lost, a digital image is always stored in the correct place and can be easily found.

Five key advantages with Sectra Digital Pathology Solution

1 Optimized workflow

Access to all relevant patient data in one workstation.

Minimum mouse mileage and clicks through seamless integration of control and interface.

High-speed image display through web technology and serverside rendering.

Improved ergonomics avoiding shoulder and neck problems.

2 Collaboration with other specialists

Easily share information across department boundaries.

Tailored dynamic worklists and support for multi-disciplinary team meetings.

Sharing of workload and second opinions.

Strategy towards integrated diagnostics.

3 Availability anytime, anywhere

View, present and discuss from any workstation.

Vendor Neutral Archive (VNA) for centralized storage.

Scalable to handle growth of users and production.

4 More consistent reviews

Automated image analysis for frequent cases.

Support for counting and percentage calculations.

Teaching functionality with easy tag and search.

Compare with patient history data.

5 Integration with healthcare IT solutions

Support for standards like HL7 and DICOM to integrate with EMRs, LIS, etc.

Vendor agnostic approach.

Part of the full enterprise image management strategy.

“Being able to show the histology at MDT meetings without the need to waste time carrying slides over was an immediate benefit.”

Daniel du Plessis, consultant neuropathologist and clinical lead at Salford Royal NHS Foundation Trust, UK

Integrated diagnostic workflows

Transparency through image sharing

Sectra's pathology solution supports an integrated diagnostics approach. It enables efficient preparations and presentations at MDT meetings, and supports the sharing of images and reports between radiology and pathology. This transparency allows for correlation of findings and provides a broader view of patient disease.

Pathology and radiology in collaboration

As diagnosis becomes more complex and involves more data and dependencies, the need for collaboration between specialists groups increases. The digitization of pathology is an enabler and a prerequisite for increased collaboration across specialties. Radiology and pathology both play key roles in the diagnosis and treatment of cancer, and collaboration speeds up diagnosis and improves the precision of the departments' respective diagnoses, as well as directing the physician to the most appropriate therapies for the patient, particularly in complex cases. Sectra's solution allows for bi-directional sharing of images and reports, creating a transparency across cancer care pathways. For example, it gives the pathologist access to the tissue x-ray of the specimen for efficient sampling and orientation, as well as direct access to radiology images that offer information about tumor progression – highly valuable when it comes to improving the histopathological report.

Multi-disciplinary team meetings

Sectra's pathology workstation includes functionality for preparing and presenting at multi-disciplinary team meetings. The preparation in terms of annotations and selecting cases can be carried out during the actual review, which saves a significant amount of time – for both the pathologist and other coworkers in the lab. During the presentation, the radiologist and pathologist can use the same system to show images and annotations, and to administrate follow-up tasks. The pathologist will be able to access and view any pathology image if a discussion occurs, thus reducing the need for an additional meeting in cases where the right images are not available during the MDT meeting.



Security and business continuity

Safeguarding your system

The robustness of Sectra's solutions provides industry-leading uptimes with low maintenance costs. And thanks to a robust project methodology, based on over 20 years of experience, we have an implementation record that is hard to beat.

Always available

Sectra's pathology workstation has a proven uptime of >99.99%* thanks to built-in mechanisms for high availability and back-up systems – and you can rest assured that your system will always be available. Our 24/7 remote-monitoring service allows us to detect potential problems even before you do. The service enables automatic alert-escalation warnings about potential issues, such as full disks or a failed backup.

Meeting your archiving needs

With Sectra Digital Archive Solution, we provide a central storage for your images that supports a truly efficient enterprise-wide workflow. With a short-term storage solution for your daily clinical workflow combined with a long-term archive with back-up functionality and Information Lifecycle Management, your archiving needs are taken care of in a cost-efficient and secure way.

“Sectra’s solution is fast, easy to use and provides constant availability. You can tell that it has been developed in close collaboration with pathologists.”

Anna Bodén, Consultant Pathologist,
Linköping University Hospital, Sweden



* This number is based on the most recent annual statistics relating to reported cases from our customers that are in our databases.



THE KNOWLEDGE TO MEET EXPECTATIONS. THE PASSION TO EXCEED THEM.

Each and every one of us working at Sectra is driven to make a real difference in everything we do. It is that difference that you, and in turn, your patients, perceive as added value over and above the solutions we deliver.

Since our first PACS deployment in the early 1990s, our focus has been solely on imaging IT products and innovation. Through experienced cooperative teamwork, we provide a better working environment for you, which ultimately results in enhanced, more effective care for your patients. Perhaps that is one of the reasons why our solutions are used so successfully by more than 1,700 healthcare providers worldwide.

KEY REASONS FOR PARTNERING WITH SECTRA

- More than 20 years' experience as a leading innovator in medical imaging IT.
- Sectra PACS ranked "Best in KLAS" for two consecutive years - 2013 and 2014.
- High delivery reliability and a vast experience in migration and integration.
- Experience with a wide range of complex, large-scale solution deployments.
- Customer-driven development ensures efficient solutions that make a difference in our users' daily work.
- Close collaboration with research centers and universities to apply leading-edge technology.
- Strong, stable, public company founded in Sweden in 1978 with positive financial performance.

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