

SECTRA IMAGE CENTRAL

Streamlined image management





Enterprise-wide image management

Images for patient diagnostics and follow-up are used in various medical specialties throughout the hospital enterprise. Sectra Image Central provides a single central system for image management, allowing you to take full advantage of your PACS investment and to leverage economies of scale by consolidating systems.



Image availability for improved patient care

Sectra Image Central gives the physician easy and immediate access to any image in a patient's medical record that he or she is authorized to see. Through an intuitive procedure, any image or film sequence created during patient diagnostics can be stored centrally for future reference. Sectra Image Central is integrated into the hospital's HIS or EPR system, providing a single point of access to patient data and images, which further enhances efficiency and ease-of-use.

ENHANCING ENTERPRISE EFFICIENCIES



Sectra Image Central enables cost-efficient, safe and secure accessibility to all clinical images in any department of the hospital enterprise. Image Central provides a means for improved patient care by ensuring that all relevant images are always accessible to the treating physician when needed, regardless of format and where in the enterprise they were generated.

Improving enterprise-wide workflows

Sectra provides solutions for the management of all medical images and film sequences in a single central system. Sectra Image Central makes images from virtually any source or examination type accessible to authorized users at all times, from any computer in the enterprise network. This improves patient care not only by ensuring that all relevant data on a patient is always available to the treating physician, but also by improving collaboration between medical specialties. One example is multidisciplinary meetings, where access to clinical data from different disciplines, including departments with no history of using DICOM, in a single application greatly enhances workflows.

Cost efficiency

Compared with deploying department-specific solutions when image management is required, a significant cost reduction can be achieved by consolidating systems.

Having a single central system provides advantages and cost-saving opportunities, such as only having to install, integrate and maintain one system, central administration of user and access privileges, the possibility to provide central training and having only one support number to dial.

Designed for effortless deployment and maintenance

Sectra Image Central allows you to take full advantage of your PACS investment since existing Sectra PACS workstations and servers are used for enterprise-wide deployment. Clients are efficiently deployed with the help of advanced web technology – with a simple click on a webpage, the user easily installs and runs the application. Http and https web protocols allow for safe connections over firewalls.

Web technology also provides huge advantages in terms of upgrades. Central upgrades are automatically deployed to all users, and every time the user opens the application, the most recent version is provided. This procedure ensures that all users always run the same version of the software.

A single point of entry

Image Central is integrated into HIS and EPR systems, thereby providing a single access point for all information to the user. Since Image Central can be made available to any department in the hospital enterprise, clinicians only need to learn to use one image viewer, regardless of the source of the image in question.

Safe storage and distribution

Patient integrity is central in healthcare. Sectra Image Central utilizes proven protocols for user authentication, restrictions and logging to ensure safe storage and distribution. Access restrictions are based on Sectra's unique role structures, to guarantee that unauthorized personell are excluded from viewing sensitive images.

PATIENT CASE - WORKFLOW DESCRIPTION

1 A patient, who claims to have been assaulted, arrives at the emergency ward. He is heavily bruised and has a suspected head trauma. He also complains of chest pain. A CT scan of the patient's head is performed and his chest is x-rayed. A photographer documents the bruising.

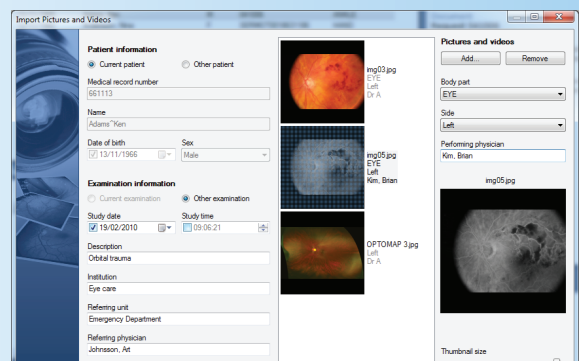


2 After looking at the CT images, the radiologist recommends an ophthalmoscopy to examine the patient's fundus since he suspects there may be bleeding as a consequence of the head trauma.

Bleeding of the fundus is confirmed, and it is determined that the patient's skull is fractured and that a shoulder and some ribs are broken.



3 All images are entered into the image management system. At the radiology department, this is done in Sectra PACS; the eye clinic and the hospital photographer use Sectra Image Central.



4 Access to the photographs of the bruises is restricted to privileged personnel, such as the forensic expert, who will provide the patient with the certificates he needs for any legal proceedings. Even the photographer who took the pictures can be excluded from the group with access privileges.



PATIENT CASE - WORKFLOW DESCRIPTION

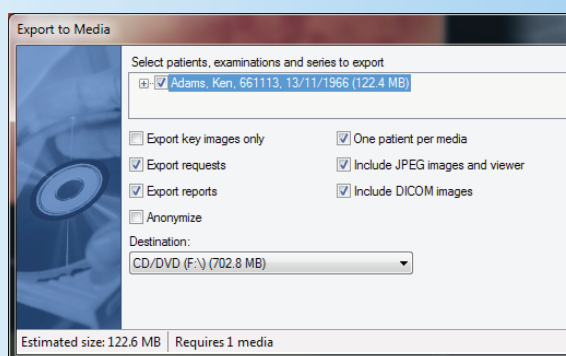
5 While following up on the surgery, the patient is discussed at a multidisciplinary meeting between the radiology department, the orthopaedics department, the neurosurgeon and the eye specialist. The physiotherapist who is treating the patient post-operatively also participates. All of the images, except for those with restricted access, are easily pulled up and a complete overview of the case is provided.



6 A few weeks later, the patient has a follow-up appointment with his general practitioner. All images, including x-rays, fundus images and any photographs without access restriction, are available to the physician directly from a link in the HIS. This provides her with the complete image history for the patient in a single view.



7 In order to pursue legal proceedings, the patient needs to provide the police with additional images. The complete case, including the radiologist's opinion, can easily be exported to a CD for the patient to bring to the police.





YOUR IMAGING. OUR OBSESSION

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