Seamless integration and image sharing benefits

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Enterprise Imaging for Cardiology

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Discover the seamless integration and
image sharing benefits of
Agfa HealthCare Enterprise Imaging for Cardiology!

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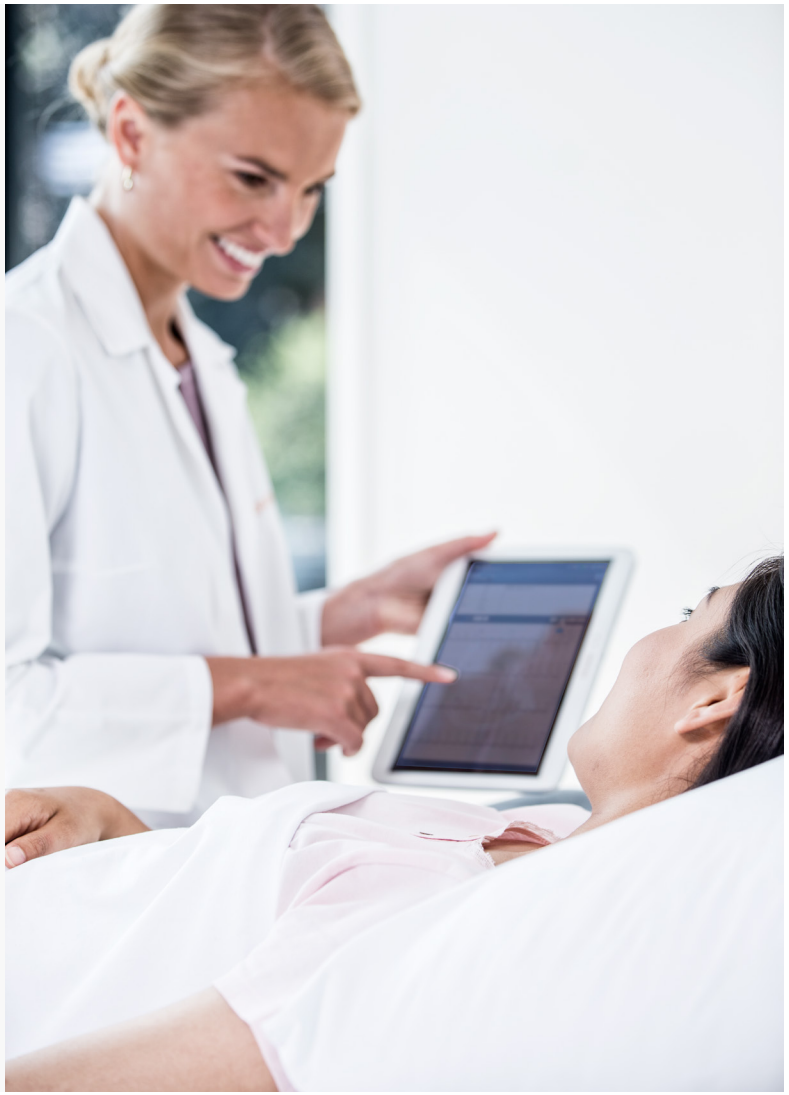
How much smoother would your workflow be if you:

- Had a tool that would **organize your work** around your tasks for you, while giving you the relevant toolsets you need?
- Could **see all images**, related reports and ECG data from your department and others – everything from radiology to emergency to ECG management, echocardiography, vascular ultrasound, nuclear cardiology, and coronary and interventional angiography?
- Had a **real-time measurement data flow** from imaging to reporting that eliminated the need to manually enter data?
- Could get **everything you needed** – tools and information – from a single interface, speeding up your case reviews and documentation throughput?
- Could easily access information from other sites, hospitals or imaging centers, and **connect and collaborate with colleagues**, wherever they are?



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Single point of access

You can do this and much more with Enterprise Imaging for Cardiology, a **completely unified imaging platform** that includes PACS, reporting, advanced image processing and integration of clinical information, all in one sophisticated platform.

With a **streamlined, uncluttered interface,** extremely intuitive features and tools built from scratch plus embedded cardiac specialty 'plug-in' modules, Enterprise Imaging for Cardiology lets you work in a way that makes great sense for the digital age, while **reducing training and operational costs**. Patient information from different sources is centralized into a single system so you can quickly access your patient's complete cardiology file, generate a report and distribute it, all during one session – even from a remote location.

Your clinical care teams can improve and normalize data collection and distribution, improving workflow efficiencies. Rich clinical information, **enhanced collaboration and easy access** to specialty software modules provide you and your colleagues with the features you need to enhance the delivery of patient care. **You, your colleagues and your patients enjoy greater satisfaction with the care process.**

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Prepare

Seamless access to all images

View

Advanced yet flexible display protocols and specialized tools

Work

A task-based workflow that works with you

Collaborate

Communication and conference tools

Report

Next generation structured reporting

Move

Mobile functionality

Teach

Capture interesting cases for education and research

ROI

Reduce costs and offer new billable services

Consolidate

Modern IT platform

Seamless integration
and image sharing benefits

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Prepare

Seamless access to all images

Offering a single retrieval point for cardiology and other images, Enterprise Imaging for Cardiology helps you to enhance your preparation process. Whether for planned or emergency procedures, you have streamlined access to general and specific tools and modules, and can communicate seamlessly with colleagues. Whether images come from the ambulatory care team, from cardiology subspecialty departments, or from radiology and beyond, you have the information you need – when and where you need it – to begin the patient's care. A range of clinical specialties are supported: adult and pediatric echocardiology, vascular ultrasound, nuclear cardiology, CT angiography, functional MR, radiology ultrasound (including OBGYN) and coronary and interventional angiography.

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View

Advanced yet flexible display protocols and specialized tools

Enterprise Imaging for Cardiology makes working with images easy and flexible. The first time you call up an image, logical and consistent display settings are used, for quick, no-fuss loading. Dynamic drag and drop functions let you customize your preferences, which you can re-load later, to set up your own, personal way of working.

Advanced and specialized clinical tools are available, whether built-in or through plug-in software. The platform seamlessly integrates a range of TomTec, Medis, Invia and Terarecon specialty modules, covering everything from basic ultrasound, to cath lab, to advanced ultrasound, to nuclear cardiology and hybrid imaging tools, to CT angio and functional MR, to a structured reporting module. No more switching between workstations, or closing one application before you can open another! The seamless integration lets you do more with fewer clicks, enhancing your experience and supporting you to complete tasks more quickly.

Work

A task-based workflow that works with you

The cardiology workflow is very complex and dynamic. Enterprise Imaging for Cardiology uses a task-based workflow that matches your own way of working. It's adaptable, customizable, transparent and agile, and if you are interrupted, it lets you pick right up where you left off. Information, tasks and events flow smoothly to you, while best practices and regulations/rules can be embedded right in. The task-based workflow keeps track of details, priority rules and more, so the hospital-defined flows are followed. Workloads can be better balanced by assigning certain tasks to specialized staff, while keeping track of how much work each person still has.

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Collaborate

Communication and conference tools

In today's patient-centric healthcare model, collaborating with your colleagues is more important than ever. Enterprise Imaging for Cardiology includes easy-to-use collaboration, chat and sharing functions that keep you connected with other cardiologists, technicians, clinicians, administrators and referring physicians. Better collaboration and peer-review opportunities also allow you to further shape your role as a cardiologist, moving beyond 'interpretation' into becoming an enabler of value-based, holistic care delivery. You can thus positively impact the patient experience and quality of care delivery beyond the walls of your own department and specialty.

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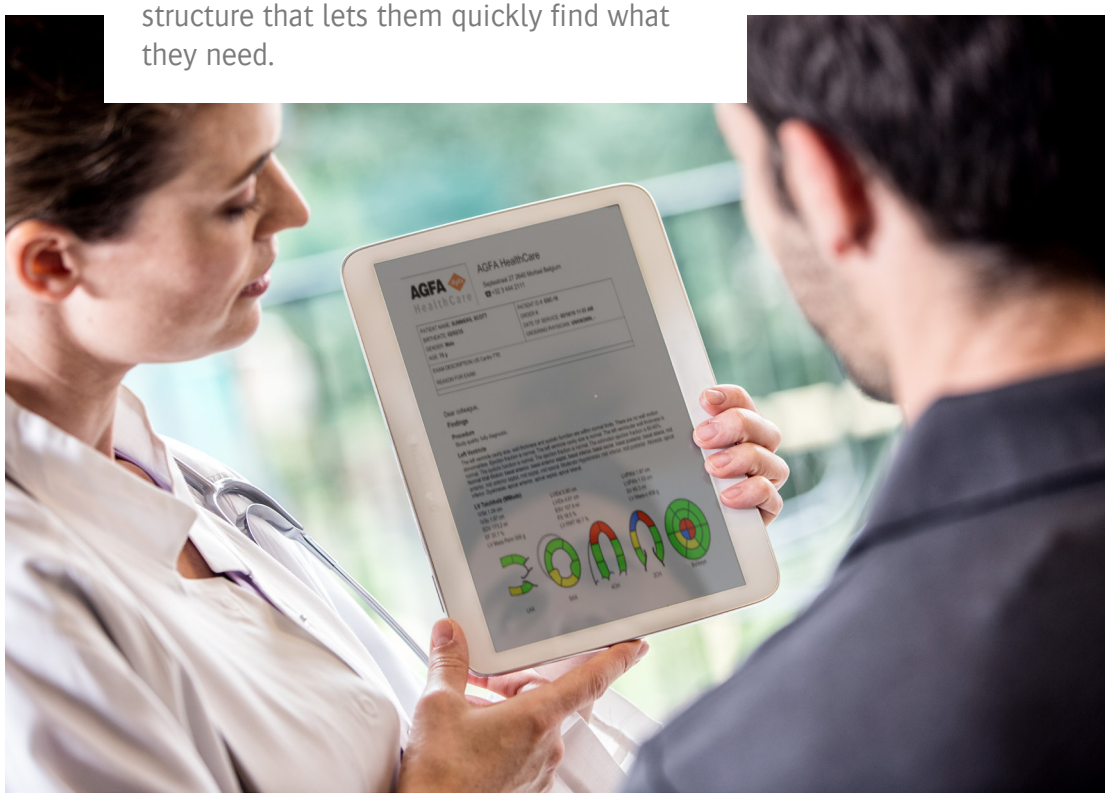
Report

Next generation structured reporting

Handwritten worksheets, transcripts, manual data entry, ... By tightly integrating imaging and reporting, Enterprise Imaging for Cardiology can help you reduce or eliminate these time-consuming tasks. Next generation structured reporting modules give you support for your adult echocardiology and vascular ultrasound reporting, deeply integrated into the Enterprise Imaging platform. So you have full access to the features of the workflow engine, including task-driven workflow reading tasks, section-based report design (with configurable rendering templates), and access to previous reports and text macros. Both the echo reporting (for adult echo cardiology – TTE, TEE and stress echo) and vascular ultrasound report (for head, neck, abdominal, upper and lower extremities) modules create high quality, standardized reports – with reporting content that can be easily adapted to your needs. Measurements are automatically transferred from the ultrasound modality, and images can be included in the reports. You can speed up your routine work and reduce your report turnaround time, while creating high quality, detailed reports.
Next, you can distribute the results via fax, print, email, web or on the EMR, and help promote the satisfaction of referring physicians with a standardized report structure that lets them quickly find what they need.



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Move

Mobile functionality that lets you work where you want, how you want

Enterprise Imaging for Cardiology supports today's demand for working on the go, so you can view images,and reports remotely – even with low bandwidth right from your mobile device.

Teach

Capture interesting cases for education and research

With Enterprise Imaging for Cardiology, teaching hospitals and attending physicians can flag, tag, and anonymize studies with rich searchable clinical data and flexible terminology, for better comparison study searches. The web interface makes it as easy to access data from a mobile device as from a PC, without any diagnostic workstation required. And residents and attending physicians can collaborate visually in real-time, to enhance the educational experience.

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Savings

Reduce costs and offer new billable services

With Enterprise Imaging for Cardiology you can reduce costs in a number of areas: from lower consumable usage, to more efficient use of resources like staff and space, to fewer image retakes. Consolidating your IT infrastructure lets you leverage your existing investments, while reduced report turn-around time speeds up patient throughput.

Consolidate

Modern IT platform with robust performance and enhanced efficiency

Enterprise Imaging for Cardiology provides you with a modern IT platform that simplifies your work and enhances your efficiency: 64-bit processing and memory addressing, parallel processing, three-tier architecture and a truly single database, all with gold-standard IT components. Set-up, integration and aggregation are simplified, and your solution is up-to-date and easy to upgrade, with software automatically delivered via our service delivery network. You get robust performance with minimum complexity.

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Plug-in tools and modules

- **Basic ultrasound:** display extension, cardiac measurements, vascular measurements, stress echo
- **Cath lab** (Powered by Medis and TomTec): digital subtraction analysis, clinical and research edition QCA/QLV and vascular, bifurcation
- **Advanced ultrasound** (Powered by TomTec): Auto EF and IMT with AutoStrain, 2D Strain Analysis, 3D Ultrasound Viewer, 4D Cardio Viewer, 4D Left Ventricular Analysis, 4D Mitral Valve Assessment and 4D Right Ventricular Function.Nuclear cardiology and hybrid imaging tools (Powered by Invia): SPECT for nuclear cardiology exams and hybrid choices fusing SPECT with CT, PET with CT and SPECT with PET and CT
- **CT angiography and functional MR toolsets** Powered by Terearecon
- **Next-generation structured reporting for adult echocardiology** (TTE, TEE and stress echo) and vascular ultrasound (head, neck, abdominal, upper and lower extremity) (Powered by TomTec): real time measurement data flow from imaging to reporting with general and specific features that reduce transcription and handwritten worksheets, create high quality detailed reports, speed up routine work with intuitive report lay out and reduce report turnaround time

Why Agfa HealthCare

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities like yours a seamless flow of information and a 360° view of patient care. We have a unique, holistic approach that enables us to provide in-depth clinical know-how and fully integrated hospital-wide solutions, while our long experience in radiology demonstrates our knowledge in handling images. We have 'deconstructed' the PACS to eliminate vendor lock-in and costly and timely migrations. And our strengths in image management, workflow and IT make us adaptable to today's and tomorrow's healthcare IT challenges. We offer solutions that consolidate archiving and image data communication across the enterprise, with an intelligent workflow solution that offers you the business reporting and analytics you need. By leveraging the data in your Enterprise imaging platform, you can provide more efficient care, in a more cost-effective way.

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