

Agfa HealthCare Enterprise Imaging

Integrating imaging with patient information from Epic

An IT solution
for your cardiology needs

AGFA 
HealthCare



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One of the most consistent desires amongst healthcare institutions is to consolidate to one integrated IT solution that can span all image producing service lines. It is becoming increasingly common for healthcare organizations to leverage the reporting features within the EHR, such as Epic Systems Corporation's Cupid® cardiovascular information system software module.¹

Agfa HealthCare's next generation platform, Enterprise Imaging, provides integration support between Cupid and the captured images within Enterprise Imaging.

The vision of an image-enabled EHR

Today, the image content generated by cardiology modalities is varied, multisource and multimedia. Managing this content in a unified way is a continued challenge when it comes to integration into the EHR.

To improve the delivery of care and decrease costs, it is important to optimize the workflow across the board. Easy access, display, handle and report on images as part of the workflow regardless of where they come from take a tight level of integration in the EHR.

Enterprise Imaging for Cardiology

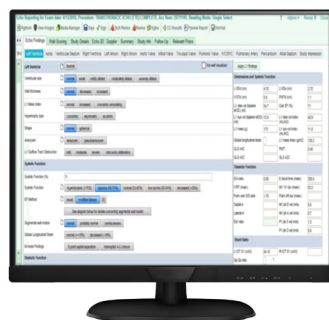
Utilizing direct integration with the EHR, Agfa HealthCare's Enterprise Imaging Cardiology Suite can intelligently keep the Diagnostic Desktop and Cupid in sync, helping improve Cardiologists' productivity.

Context-based use of the Cupid reporting module and intelligent workflows provide an encompassing cardiology solution.

AGFA HEALTHCARE IS ENABLING AN IMAGING EHR THROUGH:

- aligning with the needs of Cupid customers
- customizing its solutions to provide optimal EHR image enablement
- verifying and validating crucial integrations to EHR components for reporting and data sourcing
- improving the way images are accessed and captured within the core EHR applications

Current and future customers can today leverage optimized cardiology (and radiology) driven workflow to capture, view and share images and reports directly within the EHR and across the entire enterprise



Seamless integration with Cupid report displayed in progress



Measurements captured for diagnosis

The integration

Enterprise Imaging for Cardiology can be integrated within the Cupid reporting tool, to allow access to the complete patient image history from one point of access.

This **bi-directional integration** allows workflow to be either Cupid driven or Enterprise Imaging driven. Activities can be started in either application and stopped with **full synchronization**. Launching Enterprise Imaging will auto-launch Cupid reporting to complete the reporting activity or logging into Cupid will auto log into Enterprise Imaging's appropriate user desktop to launch visualization applications.

The Cardiology integration is straight forward, via an exchange between Enterprise Imaging and Cupid, which can be very elaborate depending on the measurements and information required. The Enterprise Imaging measurements go directly to Cupid from either the modality, Enterprise Imaging or both.

The integration is configurable to accomplish the workflow needs of the department.



INTEGRATION CONSISTS OF:

■ Measurement ingestion directly to the Epic database

This workflow is recommended for users that do not wish to perform measurements or calculations within the Enterprise Imaging system.

The DSR is complete with all initial measurements performed on the ultrasound cart. Cupid receives the DSR and maps all measurement fields to the appropriate area within the report template.

■ Dual measurement ingestion to Enterprise Imaging and Epic database

This workflow is recommended for users who wish to perform offline measurements and calculations. The DSR including all initial measurements done on the cart is sent to both the Enterprise Imaging and Cupid database. This requires measurement mappings in both systems but offers end users the ability to re-measure, re-calculate, or capture new measurements within the Enterprise Imaging system. Once all offline measurement modifications are complete the end user selects export which updates the Enterprise Imaging worksheet and Cupid report template.

■ Enterprise Imaging Cardiovascular Image Integration with the Cupid reporting module

Starting an exam review for reading purposes launches the Cupid reporting template in context while the user is viewing the images within Enterprise Imaging. A bi-directional workflow is also available.



Cardiologist can access Epic Cupid Physician Reading Worklist to view patient report. This action synchronizes communication to Agfa's reading worklist, opening the study in EI.



The seamless integration allows the cardiologist to view diagnostic quality images and begin preparing measurement data for export to the Epic Cupid Report.



Services include

- Adult Echocardiology
- Pediatric Echocardiology
- Vascular Ultrasound
- Nuclear Cardiology
- Hybrid Imaging
- Invasive Imaging

Future versions

(works in progress,
not available for sale)

- Cardiac CT/MRI
- Departmental
ECG Management

What's in it for the user?

- Bi-directional launch from either Cupid or Enterprise Imaging.
- Use one single workstation to perform your study reading, measurement transfer and reporting
- Helps reduce risk of error (e.g., discrepancy patient/data, manual interventions...)
- Complete patient information and history from a single point of access
- Import all measurements performed during the review directly into your reports; no need for manual data entry with associated potential error risk.
- Contribute to consolidate all cardiology imaging
- Increase review efficiency
- Improve cross-disciplinary collaboration
- Reduce maintenance and operating costs
- Allow care providers to quickly review outside exams without leaving the EMR
- The integration allows the cardiologist to view diagnostic quality images and begin preparing measurement data for export to the Cupid report.



Contact your Agfa HealthCare representative for more info

(1) <https://www.healthcareitleaders.com/blog/test-your-epic-module-knowledge/>

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