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Merge Cardio & Merge Hemo

A consolidated solution for
your entire cardiology service line

Embracing change

The pace of change in healthcare can be dizzying. Within cardiology, the situation is no different.

Health system consolidation, the emergence of innovative clinical tools and procedures, and the linking of quality metrics to financial reimbursements are all intersecting in unforeseen ways. Now add the data — the overwhelming and ever-growing volume of clinical data that cardiologists are being asked to interpret — and the result is that cardiology departments are now facing new and more complex challenges as they seek to provide the best patient care.

But in those challenges, there are opportunities to achieve greater workflow efficiencies that can positively impact your ability to care for your patients. Whether you need to simplify your complex work environment, provide access to your patients' comprehensive cardiovascular records, remove barriers between your systems and specialties across the enterprise or integrate AI into your workflow, Merative has the solution.

Merative is committed to making it work for cardiologists and their patients. Read on and discover what Merge Cardio™ and Merge Hemo™ can do for you, and how enterprise imaging solutions can help you build these additional efficiencies.
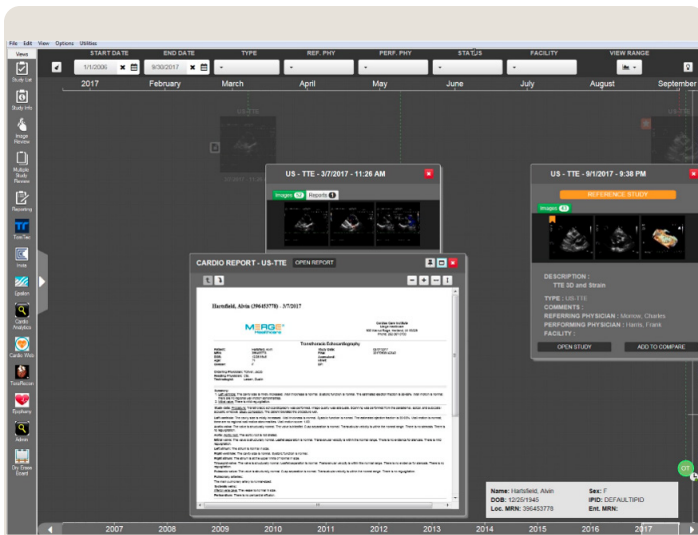

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Merge Cardio

Your cardiology department is busy and complex. It's a place where expert clinicians and staff strive to improve patient outcomes and adhere to rigorous quality measures amidst growing financial constraints. These challenges can put a significant strain on your already limited resources — both human and financial.

Merge Cardio is designed to help by streamlining and simplifying data collection and clinical reporting with automated report pre-population, to save your team precious time and minimizing costly data entry errors. And with all patient data in one easily-accessible location, your clinical team doesn't have to worry about wasting time switching between systems or work stations in order to locate patient information, view images and finalize reports.
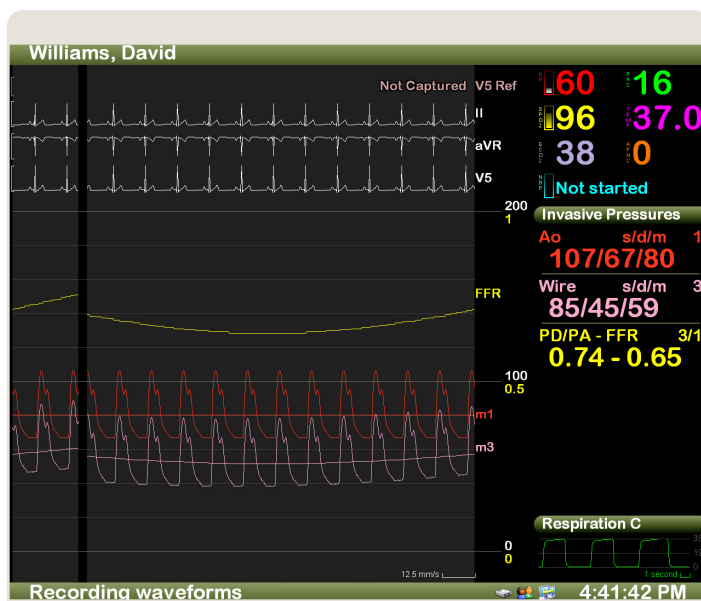

The Merge Cardio Advantage

Single-point access*	Access a patient's comprehensive cardiovascular record, including the EHR, from a single point.
Support for most modalities	Leverage a comprehenisve and robust imaging and diagnostic workstation that supports most imaging modalities.
Customized, structured clinical reporting	Generate, confirm and review structured clinical reports spanning most cardiology specialties anywhere, anytime, via the web. Manage data imports without interrupting your reporting workflow with data import notifications.
Automated workflow and report pre-population	Automate your reporting workflow, including data pre-population from the modality devices to electronic report confirmation.
Deep integration with subspecialties	Integrate with applications for 4D, echocardiography, nuclear medicine, CT angiography, and pediatric echocardiography reporting.
Patient-centric view	Gain an interactive, hierarchical timeline view of your patient's cardiovascular record, including relevant prior notifications, without switching screens or conducting exhaustive searches.
Streamline mapping workflow	Gain control over mapping by using your workstation to complete measurement mapping and review DICOM SR mappings without involving support.

Merge Hemo

Your cath lab team works in a fast-paced, dynamic environment that must accommodate high procedural volumes. Your staff simply cannot afford to waste time and productivity with an inefficient or outdated hemodynamic system that requires the manual input and management of procedural data.

If your cath lab organization is going to truly succeed, you need a comprehensive hemodynamic solution like Merge Hemo. One that can help address the most pressing cardiac cath lab challenges. One that will help enhance clinical workflow, automate data collection, streamline inventory management and improve clinical reporting. Your staff — and your patients — should settle for nothing less.

The Merge Hemo Advantage

Report pre-population	Streamline your cath lab workflow by automatically pre-populating the physician clinical report with data collected at the point of care.
Cath lab visualization	Visualize your entire cath lab department, including pre- and post-holding, on a single screen, via the Department Overview application.
Single server support	Leverage cost savings and improved access to patient data with a single server that supports multiple facilities and departments.
Drag-and-drop utility	Improve patient management with drag-and-drop features that allow for quick and easy procedural data entry and immediate patient status updates.
Touch-screen interface	Increase your clinical workflow efficiency and streamline data capture with an easy-to-use, touch-screen interface.

Enterprise imaging and interoperability

Enterprise imaging

No matter which modality, subspecialty or site is used to capture imaging data, being able to share that information is essential. Your cardiologists need ready access to a patient's complete cardiac record in a reliable, scalable and easy-to-access format in order to piece together the most accurate clinical picture of that patient's cardiovascular health. They can do that with interoperability solutions from Merative.

IBM iConnect® Enterprise Archive (by Merative), Merative's vendor neutral archive, lets you store, manage and share all of your enterprise-wide images, from any department and any system, regardless of their source or format. That's great news for a busy cardiology department or an over-burdened cath lab, and imagine what it can mean for your patients.
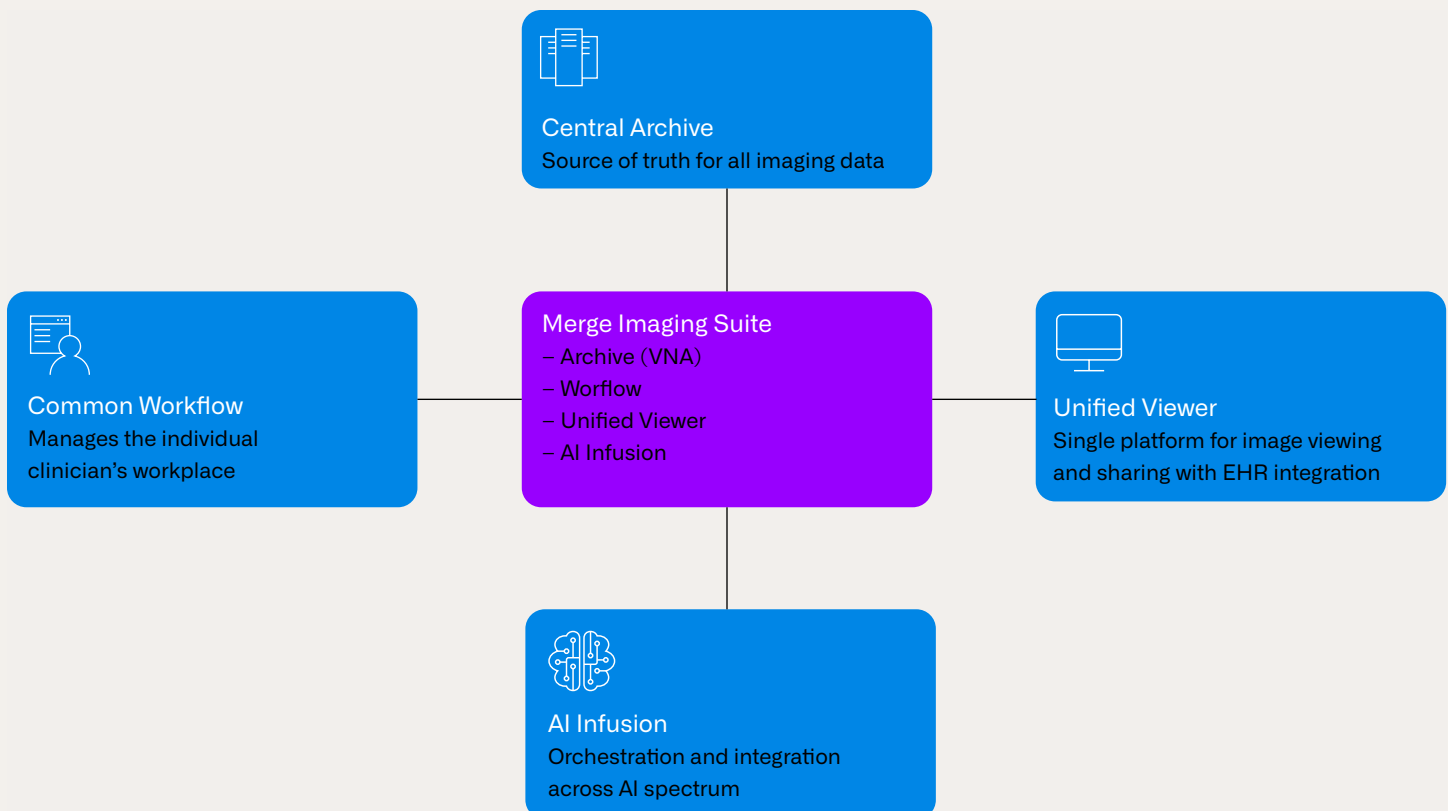
With IBM iConnect Enterprise Archive you can:

– Easily and cost-effectively manage all your data

– Secure all of your data in security rich, vendor neutral, and standards-based formats

– Consolidate data silos

– Reduce storage costs and compliance risks

– Enhance data integrity and disaster recovery

Interoperability

In order to provide the best possible care — and help avoid potential readmissions — your patients' comprehensive cardiology records should be available anywhere, anytime, regardless of where they were treated or the physical location of your physicians. Data should flow seamlessly into your organization's EHR, providing physicians with access to their patients' most relevant clinical data and a more holistic view of their patients' health.

IBM iConnect Access (by Merative) is an FDA 510(k) cleared and CE-marked zero-download universal viewer and image exchange platform that enables real-time collaboration through a robust set of image exchange and advanced visualization tools that enable users to access diagnostic-quality images anytime.

Central Archive
Source of truth for all imaging data

Common Workflow
Manages the individual clinician's workplace

Merge Imaging Suite
– Archive (VNA)
– Worflow
– Unified Viewer
– AI Infusion

Unified Viewer
Single platform for image viewing and sharing with EHR integration

AI Infusion
Orchestration and integration across AI spectrum

*IBM iConnect Access is not FDA-cleared for diagnostic use on mobile devices.

Powerful, collaborative integrations

Merative has formed strategic relationships with numerous industry-leading cardiology imaging and modality vendors to create one of the most comprehensive and integrated solutions on the market. These collaborations enable the seamless connection of multiple systems, disparate data, and images across your entire cardiology department, forming one unified solution. Our integrations include:

ECG Management with Epiphany
Leverage a single web-based visualization platform to view all noninvasive cardiology data, creating a more complete cardiovascular record.

Advanced 4D Echo Visualization with TomTec
Access 4D ultrasound applications to provide more clinically relevant and comprehensive cardiovascular information.

Advanced Nuclear Medicine Visualization and Analysis with Invia
Connect to Corridor4DM in one convenient, streamlined environment to give physicians a more comprehensive view of the patient's clinical record.

Advanced Coronary CTA Analysis with TeraRecon
Gain "one-click" access to TeraRecon's CT angiography data, allowing your physicians to quickly perform complex CT analyses.

LVivoEF from DIA Imaging Analysis
An AI-based, zero-click solution that runs behind the scenes to provide Ejection Fraction (EF) and Global Longitudinal Strain (GLS) for all echo exams, as soon as they are acquired.

Cvi42 from Circle Cardiovascular Imaging
A solution for cardiac MR and cardiac CT to provide simple, advanced analysis for MR, CT and interventional planning through easy, automatic advanced quantifications.

"Merative has always been able to come to the table and be solutions-oriented. They listen to what we need, what systems we have, where we are today and where we're going, and then help us through all of those integrations."

System Director,
Cardiovascular Services,
Southern Illinois Healthcare

Putting clients first

At Merative, we listen. Carefully.

Client input is critical to our mutual success. It informs product improvements, inspires innovation and keeps us connected to the needs and concerns of the professionals who use our solutions every day. And that feedback has also helped garner honors from KLAS.

Merative Merge solutions consistently rank in the top three of KLAS rankings. Merge Cardio was named Best in KLAS for Cardiology from 2013-2019, and Merge Hemo was awarded Best in KLAS for Hemodynamics for ten straight years. While these are tremendous honors, knowing we are serving our clients well is the greater reward.

User interface

"The user experience is very intuitive and very straightforward, it's not complicated at all. We're very excited about the end user functionality."

Director of Interventional Services-Pediatric Cath/ER/IR/Neuro IR,
Stanford Children's Health

Interoperability

"Data flows very nicely from the hemodynamics system to the cardiology system. The continuous improvements that we've seen in Merge Hemo over the years have been nice, too. It's a very easy system to use, very user-friendly."

Manager of Imaging Informatics,
Edward-Elmhurst Healthcare

EHR Integration

"When we brought in Merge Cardio, I thought it was awesome. From the minute the doctor signs the clinical report, it goes directly into the EMR and is then immediately available to the referring physician. That's huge in my opinion, especially for the patient, knowing that your records and your studies are available so quickly."

Manager of Enterprise Applications,
DuPage Medical Group

Service, support, and our future together

An industry-leading cardiology solution deserves outstanding service and support — and so does your team. At Merative we live this philosophy, providing you with access to experts when and where you need them. We strive to continually refine our services and support, learning from you and from industry best practices. We are here as your partner from sales through implementation to training and ongoing support and maintenance.

Our future together

Merative Merge Imaging leverages the power of artificial intelligence (AI) to extract value from ever-growing volumes of medical imaging data by analyzing structured and unstructured patient data residing within disconnected silos. The platform aspires to organize available information and present it in a contextually relevant, objective manner to assist diagnostic specialists as well as treating physicians at the point of care.

By incorporating AI into healthcare solutions, we aim to expand the physician's view so they have greater confidence in their diagnostic and treatment decisions for their patients. For cardiology in particular, we aim to help clinicians by providing objective insights and streamlined workflows for discrepancy detection between the clinical report and the patient's EHR for conditions such as aortic stenosis.

About Merative

Merative is a data, analytics and technology partner for the health industry, including providers, payers, life sciences companies and governments. With trusted technology and human expertise, Merative works with clients to drive real progress. Merative helps clients reassemble information and insights around the people they serve to improve healthcare delivery, decision making and performance. Merative, formerly IBM Watson Health, became a new standalone company as part of Francisco Partners in 2022. Learn more at merative.com.

Learn how you can benefit

Merative provides award-winning enterprise imaging solutions for radiology, cardiology and orthopedics, using vendor neutral cloud and AI technologies to reduce workspace complexity and create seamless workflows.

Visit our website or talk to an enterprise imaging solutions expert to learn more about how Merative can help you.