Anywhere, any time access to cardiology images and clinical data

Learn how accessing, managing and sharing critical patient information, including images and reports, can take your cardiology department to the next level.
Cardio Images at Your Fingertips

Merge Cardiology Solutions provide you with a single web-based view of a patient’s complete record spanning all cardiology modalities, access to simplified reporting tools, and integration with the industry’s largest health information systems and EHRs for interoperable image exchange.

Merge Cardiology Solutions consists of:
- **Merge Cardio,** a sophisticated image and information management system that supports cath, echo, nuclear and vascular modalities; and
- **Merge Hemo,** a real-time documentation and monitoring tool for cardiac cath lab procedures and pre- and post-procedural patient care

Combined, they are a comprehensive, scalable solution that offers a single point of entry to view a patient’s complete cardiology record. With unparalleled ease-of-access to all cardiology modalities and reporting tools, physicians obtain information faster, reports are generated quickly and consistently and procedures are performed more efficiently.

And, Merge has forged a strong partnership with Cedaron to support all of the national and regional cardiology data registries. In partnership with Merge, this solution enhances workflow by accepting discrete data elements directly from both Merge Cardio and Merge Hemo.

It then applies a rules engine to ensure data compliance before submitting it to the ACC, STS and other required registries.

Merge Cardio: One Record Spanning All Modalities

As a busy healthcare professional, you don’t have time to jump between systems to locate critical patient data and images. You need one single point of access to complete cardiology records in order to create reports more efficiently, improve workflow and continue to build referral business.

Merge Cardio, named #1 in KLAS for 2015/2016, can help. A centralized, web-enabled system, Merge Cardio gives physicians and staff access to patients’ digital integrated cardiovascular records, while also streamlining report generation and distribution. It offers a complete and robust imaging and diagnostic workstation that supports all cardiology modalities.

Merge Cardio also supports EHR integration as a single point of access, so physicians no longer need to go to different workstations to view the...
complete patient record. This not only saves time, but increases productivity, enabling you to focus on providing quality care. And, now that Meaningful Use (MU) Stage 2 rules include image-enabling, the EHR is more important than ever. In fact, Merge Cardio is EHR-certified, enabling you to meet MU2 requirements.*

And, efficiency is enhanced with the ability to view multiple imaging studies for a single patient concurrently. This is accompanied by a full-featured tool set including image annotation, an extensive measurement toolkit, DVD authoring and more.

Merge Cardio also automates the cardiology reporting process. Data flows seamlessly into the report from Ultrasound machines, Hemo systems and stress machines. From there it’s easy and intuitive to complete, sign, and distribute the report.

*Certification requires Merge Cardio 10.0 or higher

Merge Cardio Analytics: Powerful Metrics at Your Fingertips

Merge Cardio structured clinical reporting is automatically pre-populated by information such as measurements, hemodynamics data, and data from a previous report, into one record, ensuring a more complete and accurate report.

With data pre-population, integrated voice recognition and inferential findings, report turnaround time can be reduced from days to minutes. And, as each confirmed report is posted to the patient’s medical record and distributed, every data element is written to the CardioAnalytics database, providing you with powerful metrics to help improve performance.

Merge Cardio’s data-rich and flexible reporting platform allows you to:

- Report findings easily with complete sets of cerebral, coronary, and peripheral interactive anatomical diagrams, as well as “bulls eye” and wall motion diagrams
- One reporting application supports all modalities (adult and peds echo, cardiac/ peripheral vascular, nuclear, non-invasive vascular, EP and CT-A)
- Facilitate accreditation through specialized CardioAnalytics reports for ICA, ICAVL, ICANL, etc.
- Aggregate patient data across multiple facilities, departments, clinics and offices to one central database, allowing you to analyze, benchmark and refine workflow
- Accelerate cardiology report distribution, leading to improved time to treatment, enhanced communications between clinicians and timely responses to referring physicians
With the Merge Cardio structured reporting platform, clinical reports spanning all cardiology specialties can be generated, reviewed and confirmed anywhere, any time.

Merge has partnered with industry leaders to ensure Merge Cardio delivers all of your needs in one solution. We believe joining forces with top-tier partners like Epiphany (ECG Management), TomTec (3D/4D Echo), and Invia (Advanced Nuclear Medicine Visualization and Analysis) helps you meet your goals with a comprehensive, one-stop shop solution.

**Merge Hemo: Real-Time Documentation for the Cath Lab**

Your catheterization department is a fast-paced, highly demanding work environment, and requires a system that can keep up with its physicians. You need to be able to capture real-time data and document procedural events, efficiently and accurately.

Merge Hemo, ranked #1 in KLAS for five years running, gives physicians and staff the ability to capture information through a simple touchscreen user interface at the point of care, leading to better reporting and—most importantly—enhanced patient care. And because the data captured on Merge Hemo can be easily integrated with your EHR, cath lab information is cohesively incorporated into the overall electronic patient chart.

Using the intuitive electronic whiteboard, physicians and staff can view the entire cath department, including whether patients are in the holding area, in the cath lab or in the recovery area. Using drag and drop functionality, clinical staff can easily manage patients as they move from one area to another.

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**The Platform for Enterprise Imaging**

The iConnect® Enterprise Clinical Platform delivers an integrated suite of solutions for sharing diagnostic content and results across all departments. A modular portfolio with flexible deployment models, Merge’s iConnect can deliver the building blocks of a sound and forward-looking enterprise imaging strategy to any type of imaging provider. The suite consists of two solutions for archiving, viewing and sharing all images: iConnect Access and iConnect Enterprise Archive.

**iConnect Access** is an end-to-end enterprise imaging solution that smartly combines enterprise viewing with image sharing for easy image review for referring physicians.

A zero-download viewer, iConnect Access empowers cardiologists to view images inside the EHR, improving workflow and patient interaction, without having to download any software. The sharing component allows clinicians access to patient images in advance of arrival. This decreases delays in treatment, test duplication and inappropriate resource utilization. And, it can be done with a secure online connection, with no VPN required, eliminating the need for inconvenient and potentially unreadable patient-borne CDs.

**iConnect Enterprise Archive** consolidates, standardizes and archives images and data from disparate PACS, specialties and sites, giving cardiologists a single view of all diagnostic images. Because cardiology accounts for the second largest source of images in hospitals, a central hub for images across all modalities (cath, echo, nuclear, vascular, etc.) enables easy and fast management.

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*iConnect Access is not FDA-cleared for diagnostic use on mobile devices.*
With a few screen taps, a cath patient’s digital record is readily available. Within each record, data is recorded in intuitive, easy-to-access tabs and folders. Users are presented with simple visual cues for required fields, ensuring that all data is properly captured. With that data, Merge Hemo automatically pre-populates physician clinical reports to create a complete image and information management system.

The Chronological Log is Merge Hemo’s data collection “hub.” This folder is highly configurable and can be set up based on your cath lab’s unique workflow. And again, data can be easily collected with a simple drag and drop.

About Merge Cardiology Solutions

Merge Cardiology Solutions provide a single integrated view of a patient’s complete cardio record from all modalities and access to simplified reporting tools, so physicians can get information faster, reports are quick and consistent, and procedures are done more efficiently.

For more than 25 years, Merge Cardiology Solutions have been developed through a partnership with cardiologists and clinical staff, providing systems and tools with workflow and reporting that physicians are familiar with and comfortable using. This makes adoption of these systems successful, so hospitals, labs and patients can benefit from the efficiencies and cost savings that come from best-of-breed information and imaging solutions.

The Merge Cardiology Solution seamlessly integrates with the industry’s largest health information systems and EHRs for interoperable image exchange, a key component of an overall strategy to provide secure and timely access to patient information regardless of location and affiliation.

About Merge

Merge is a leading provider of innovative enterprise imaging, interoperability and clinical systems that seek to advance healthcare. Merge’s enterprise and cloud-based technologies for image intensive specialties provide access to any image, anywhere, any time. Merge also provides clinical trials software with end-to-end study support in a single platform and other intelligent health data and analytics solutions. With solutions that have been used by providers for more than 25 years, Merge is helping to reduce costs, improve efficiencies and enhance the quality of healthcare worldwide. For more information, visit merge.com and follow us @MergeHealthcare.

About Merge Cardio v10.0

This EHR Module is 2014 Edition compliant and has been certified by an ONC-ACB in accordance with the applicable certification criteria adopted by the Secretary of the U.S. Department of Health and Human Services. This certification does not represent an endorsement by the U.S. Department of Health and Human Services or guarantee the receipt of incentive payments. Drummond Group is accredited by ANSI and approved by ONC for the ONC HIT Certification Program to certify: Complete EHR, EHR Module (all), and Certification of other types of HIT for which the Secretary has adopted certification criteria under Subpart C of 45 CFR.

Merge Cardio v10.0 holds Certificate No. 02132014-2081-6, Date Certified 02/13/2014, Effective Date: 2014 Edition; Modules Tested: 170.314(a)(12); 170.314(g) (1, 4); No Clinical Quality Measures tested; No additional software used

Licensing and implementation of the functionality and content covered by this certification will require ongoing and/or one-time license and/or service fees covering the right to use the in-scope solutions, support, and requested standard implementation, integration, and consulting services. Interface implementation will require one-time costs and/or ongoing service fees. An upgrade to Merge Cardio v10 is available to all existing Merge Cardio customers with an extended Maintenance Agreement at no additional charge specifically due to this new feature.

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