GE Healthcare

Centricity™ Cardio Enterprise[1] Interactive Guide

A Robust Solution Brings Order to a Complex Care Area

The landscape of cardiovascular care is changing rapidly. With an aging population across the globe, new innovative cardiac procedures blend what traditionally have been separate departments and bring a stronger focus on evidence-based medicine. Cardiology departments are facing new challenges to deliver better outcomes to their patients while also ensuring superior physician and employee satisfaction, higher revenues and lower operational costs.

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All these factors demand a fundamental shift in the cardiovascular IT paradigm — and finding the right cardiovascular IT solution to meet these changing needs is no easy task. The solution must match high-tech medicine with innovative healthcare, serving the needs of clinicians in one-on-one care as well as entire departments, even when they extend across multiple facilities and locations. It must help IT departments consolidate disparate systems and provide physicians relevant patient data and images, with full diagnostic analysis tools and documentation capabilities — from virtually anywhere.

This interactive guide presents an overview of GE Healthcare's Centricity Cardio Enterprise[1] and how it helps meet these dynamic cardiovascular IT needs in the form of customer outcomes. Centricity Cardio Enterprise provides a single point of access for cardiology information across care areas that complement the EMR with relevant images, procedural data and structured reports.

Click here for more information on Centricity Cardio Enterprise

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+ Benefit to User
Provides cardiologists a single point of access to unified patient data, images and reports across multiple modalities with end-to-end configurable work flows.

GE Healthcare's Centricity Cardio Enterprise bridges the gaps between cardiology service lines and healthcare information systems across the multi-location continuum of cardiovascular care. Centricity Cardio Enterprise provides cardiologists remote access to unified patient data, waveforms, images and reports with end-to-end configurable workflows. Centricity Cardio Enterprise is a powerful tool that allows cardiologists and cardiovascular staff to enhance patient care through full clinical access, enhanced productivity and improved financial performance.

In a world with many devices and tools, Centricity Cardio Enterprise provides vendor-agnostic connectivity to your clinical acquisition devices with a web-deployable client and remote access to diagnostic quality images and analysis tools. Workflow and reporting solutions leverage years of collaboration with cardiologists, nurses, sonographers, technicians, IT and administrative staff to help you streamline care from initial assessment through to diagnosis treatment, follow-up and departmental administration.

How One Community Hospital Accomplished 'A Technology Refresh'

Listen to this video to learn how Saratoga Hospital in New York grew from a community hospital to a regional, integrated delivery network in a webinar entitled "Linking Cath Labs & Informatics: Growing a Percutaneous Coronary Intervention (PCI) Program." Growth seeded the need for a dedicated PCI program along with a complete technology overhaul: cath lab, echo, hemodynamic monitoring and a fully integrated cardiovascular information system. Leading interventional cardiologist Gary Idelchik (pictured, right) advocated a single-vendor approach to help with functionality and streamline interfacing, and the team at Saratoga ultimately selected GE Healthcare to provide the needed technologies, including the Centricity Cardio Enterprise image and information management solution.

Enabling Broader Imaging Access And Enhancing Cardiac Care

Testimonials highlight some key outcomes from Oklahoma State University Medical Center. These brief videos show how the customer has benefited from Centricity Cardio Enterprise[1].

Cardiologist Benefits

At Oklahoma State University Medical Center in Tulsa, adopting GE Healthcare's Centricity Cardio Enterprise has provided a seamless system for accessing patient imaging data across modalities. Before partnering with GE Healthcare, cardiologists would have to access reports on separate imaging information from different locations and often lose time to tracking down paper records. Attending physicians can now access reports through one interface, saving time and streamlining the referral process. With Centricity Cardio Enterprise, the reporting process starts in real time and physicians can easily complete and sign off on reports at the end of the day.

Stress Echo Integration

For Oklahoma State University Medical Center in Tulsa, integrating the technology has saved doctors about 30-45 minutes per procedure. The stress EKG module allows for storage and management of data, and when combined with GE Healthcare's CASE stress system, reports are pre-populated with the data, lowering the chances of errors from manual data entry. The technology has saved time on both ends of a study, reducing the amount of time spent typing and transferring data to the appropriate place. Now, doctors are able to review reports and refer them back to other attending physicians at a quick pace. The system also makes reports consistently organized so that physicians can review them with ease.

Cath Lab Workflow

Centricity Cardio Enterprise helped to optimize workflows at Oklahoma State University Medical Center in Tulsa, allowing cardiologists more time to focus on patient care and providing them the best tools to make critical decisions. The medical center utilizes the charge-capturing Centricity Cardio Workflow (CCW), saving physicians about 15-20 minutes per case when inputting data on charges.[2] The system has also automated the stock management process, which used to be done manually. Before the CCW implementation, doctors had to dictate entire reports, which could take a day or two to be accessible. Now a CCW report, once a doctor has signed it, can be accessible immediately. Ultimately, this helps improve staff efficiency, patient care and the bottom line.

1. Centricity Cardio Enterprise offering is comprised of Centricity Cardio Imaging and Centricity Cardio Workflow
2. Information provided by Oklahoma State University Medical Center, 2016. The results represented in this recording may not be applicable to a particular site or installation and individual results may vary.

Licking Memorial Hospital reduces echo turnaround time by 80%

with Centricity Cardio Enterprise[1]

CHALLENGES

Manual, complex and inefficient reporting process

Long delays in reporting times

Highly variable report turn-around times

SOLUTIONS

Products

Centricity Cardio Enterprise: Centricity Universal Viewer & Centricity Cardio Workflow

Services

Workflow analysis, project management, data migration, education & training, admin report creation, Crystal Reports™ training

Ecosystems

MEDITECH™ EMR integration with orders in & HL7/ PDF results out, customer-supplied VM environment, multi-vendor CV imaging modalities

OUTCOMES

5.7 day reduction in average report turn-around time, from 7 days to 1.3 days

35% better than ASE[2] recommendations[3]

2.5 day reduction in variance by 3.0 to 0.5 days, making report turn-around time more predictable[3]

1. Centricity Cardio Enterprise is comprised of Centricity Universal Viewer and Centricity Cardio Workflow. At the time of this study, Licking Memorial Hospital was using Centricity Cardio Imaging and Centricity Cardio Workflow
2. American Society of Echocardiography
3. http://www.asecho.org/wordpress/wp-content/uploads/2013/05/Quality-Echo-Lab-Operations.pdf

Unlock Value from Connected Cardiology Data to Achieve Results that Matter

Purpose-built. Success-enabled. Results-driven.
Real-world analytics for sustainable outcomes.

Flexible, secure, easy-to-use, web-based analytics framework

Designed to extract and analyze data across your healthcare systems

Data management services

To capture, clean, validate and maintain data

Ready-to-go analytics apps with dashboards

To help transform data into actionable insights to drive outcomes

Tailor-fit applications and dashboard development services

To identify, build and implement analytics that meet your specific needs

Performance improvement services

Recommend changes, drive outcomes, and sustain improvement

About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter – great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

imagination at work