

GE Healthcare

# CardioSoft\* Diagnostic System



# Clinically connected. Simply smart.

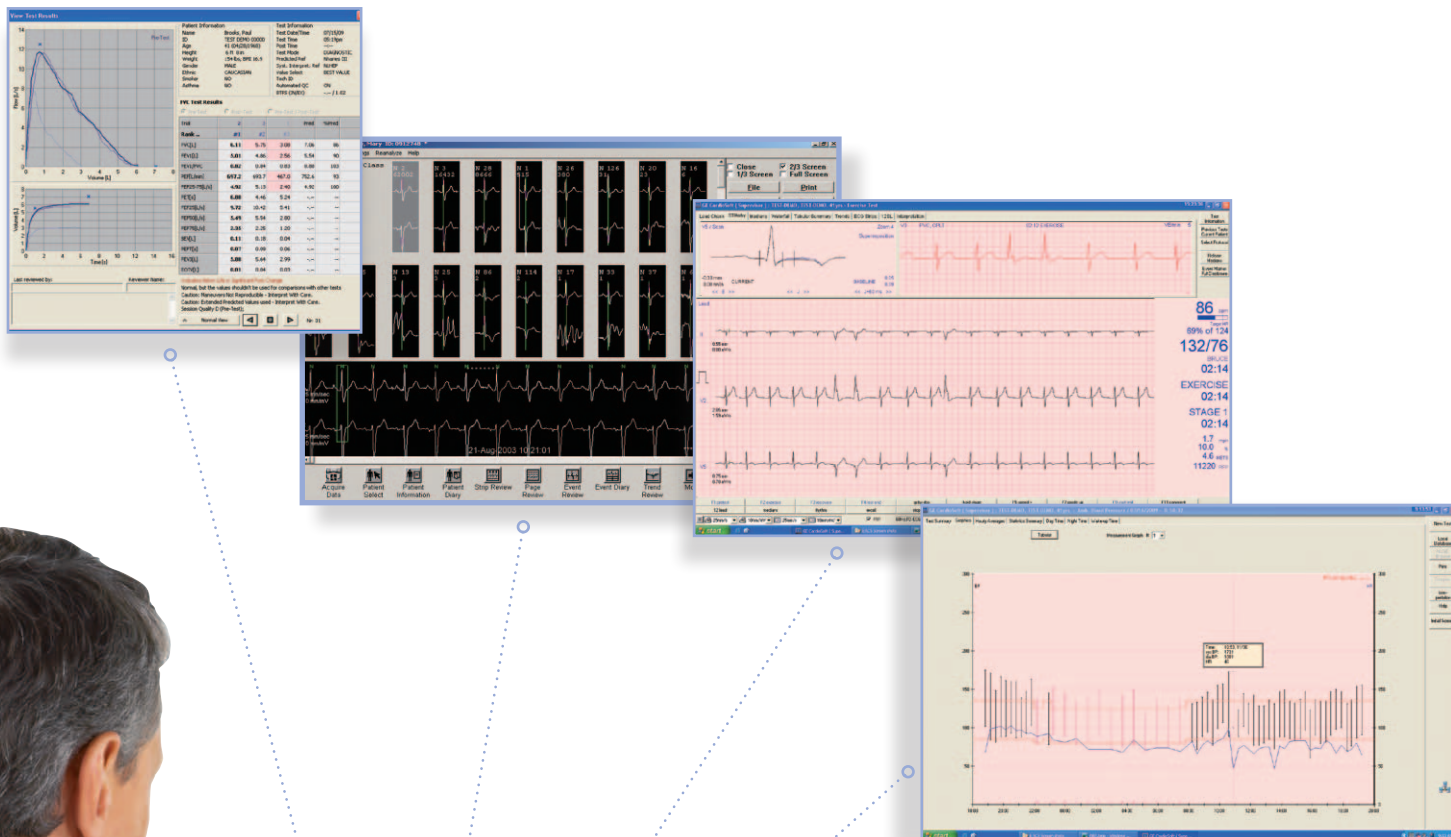
CardioSoft Diagnostic System from GE Healthcare is more than a software program — it is a data acquisition and management solution that transforms your laptop/PC or computer network into an advanced diagnostic system. So you can easily acquire, analyze, store and transport resting ECG, exercise stress tests, ambulatory blood pressure and spirometry measurements. And that's just the beginning.

CardioSoft supports an integrated continuum of care, with:

- Seamless EMR connectivity for faster digital workflow and billing
- Access to patient data anytime, anyplace through CardioSoft Web
- Diagnostic confidence with proven Marquette® ECG analysis programs

Clinically precise. Functionally simple. Completely connected to the demands of your practice and the needs of your patients. All in a few easy steps.

# All in one. No compromises.



Whatever the size of your practice, clinic or hospital, you can't compromise on diagnostic data quality. CardioSoft connects to the full range of cardiology testing devices to deliver the clear, reliable data you need to make informed diagnoses.

Now you can do more with your data than ever before, streamlining the workflow process. Review all of your reports at a glance, for more complete diagnostic information at your fingertips. Easily export data to your EMR or PACS or to your hospital's MUSE\* Cardiology Information System for faster data review and billing. So you can keep the patients, not the paperwork, at the heart of your practice.



## Versatile, expandable IT solutions.

Access and security. Simply put, your practice needs both. CardioSoft delivers a scalable IT framework that lets you build a diagnostic system that can grow with your practice.

**Open system architecture:** GE Healthcare uses industry-standard communication protocols, including HL7, Digital Imaging and Communications in Medicine (DICOM), DICOM Modality Worklist, XML and TCP/IP.

- CardioSoft is compatible with: Windows® XP Professional, Windows 7, Windows Server Operating Systems, and Citrix.\*\*

**Standalone or networked environments:** The system works as a standalone module or in a networked Local Area Network (LAN) environment with multiple acquisition and editing workstations.

**Security and compliance:** CardioSoft protects your data, your system and your investment through multi-level data security tools.

- Enhanced LAN connectivity with auto timeout and logins optimizes charge capture and system usage, while increasing the security of your server.
- CardioSoft can operate in a Citrix® or traditional environment with data security measures to control access and privileges.

**Access information easily:** Enhanced LAN connectivity provides full access to raw test data for review and re-analysis. Historical patient data can be instantly compared on-screen to assess patient progress and to support better clinical decisions.

- Multiple cardiac and pulmonary procedures can be stored in one database for faster review and overread via direct EMR connectivity.
- The DICOM Modality Worklist supports bi-directional data exchange and simultaneous review of imaging and ECG data on your PACS workstation to improve dual procedure review times.
- The pop-up medians in post-test reviews increase accuracy in assessing QRS changes over time and allow clinicians to see minute-by-minute changes throughout the procedure.
- CardioSoft Web enables remote access to reports for resting ECG, spirometry, stress and ambulatory blood pressure. Physicians can view reports from anywhere, supporting faster overread.



# Efficient workflow for better quality of care.

The demands of healthcare today require you to do more with less and do it all faster. CardioSoft helps you care for more patients, more efficiently, by streamlining every point of care.

**Increased patient throughput:** Direct connectivity to EMR and diagnostic devices enables remote access to patient data and test results for faster review and diagnosis.

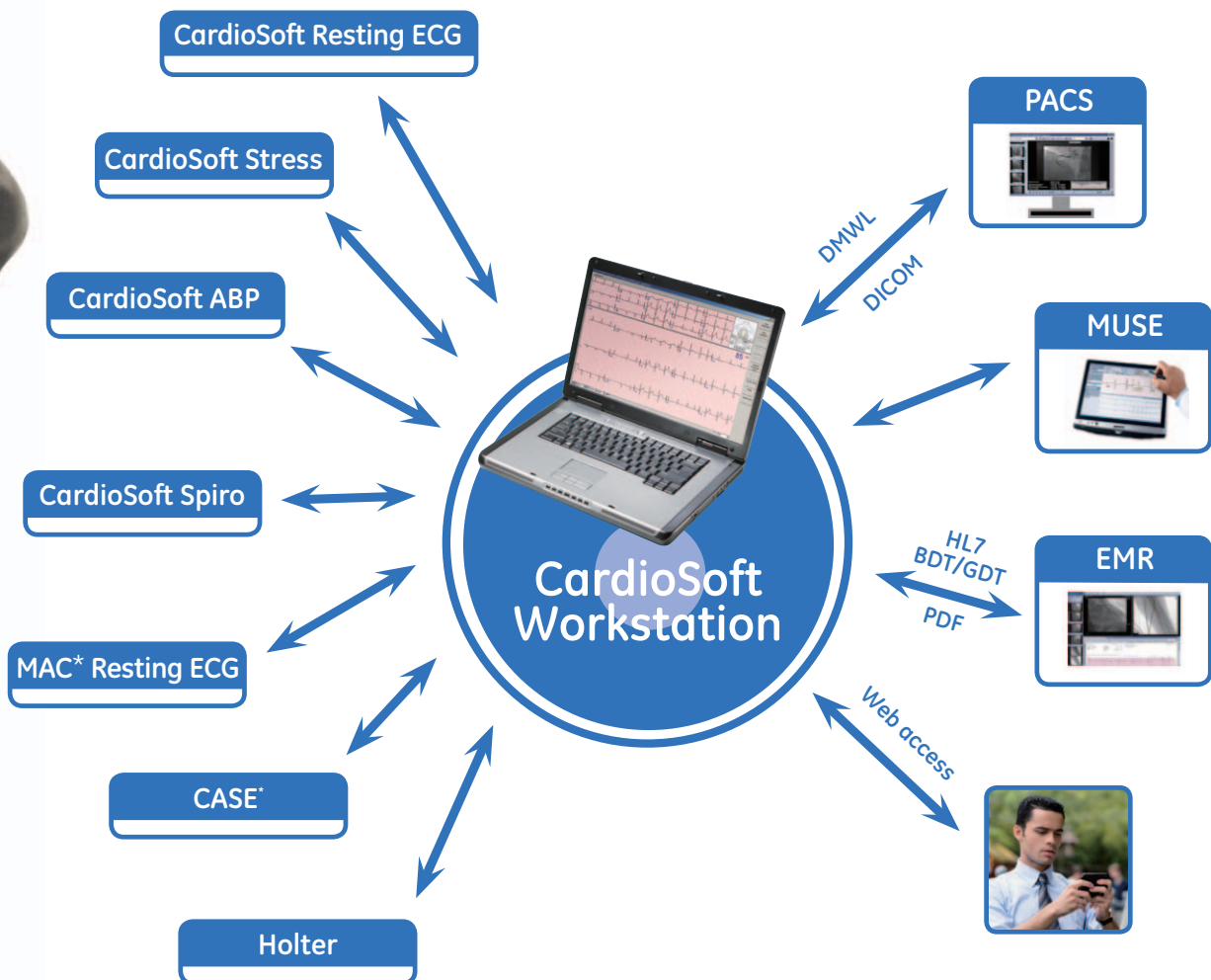
- Send data easily by exporting via PDF, Microsoft® Word, Excel® or XML. The PDF file name can be automatically generated based on patient demographic data, ensuring an accurate match to patient EMR or HIS files.
- The DICOM report is automatically exported to PACS workstations, making physician overread faster and your workflow paperless.

**Streamlined administration and billing:** Workflow solutions in CardioSoft help to speed administrative processes, reduce data entry errors and support efficient charge capture.

- Connecting directly to EMR reduces data entry errors, speeds administrative tasks and consolidates patient data.
- CardioSoft seamlessly connects with the MUSE Cardiology Information System, a feature-rich ECG management system with many financial, IT and clinical workflow benefits.

**Improved office-to-hospital connectivity:** CardioSoft connects easily and securely to your hospital's MUSE Cardiology Information System for even more workflow efficiencies.

**Cost-effective:** CardioSoft is a software application that provides full functionality to your PCs, from acquisition to reporting and EMR storage. This scalable architecture is an efficient, secure and economical way to provide access to all cardiac and pulmonary data from remote locations.



# Your link to clinical excellence.

CardioSoft Diagnostic System supports your clinical decisions and enables you to stay more connected to your practice and your patients.

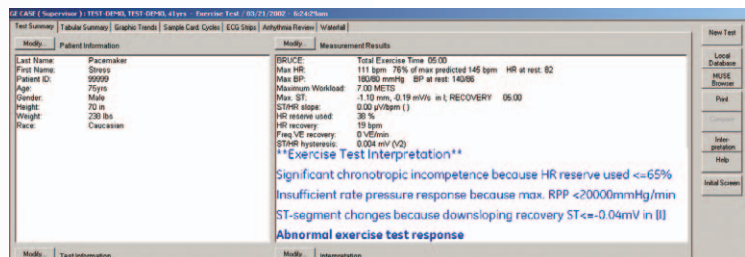
**Diagnostic support tools:** CardioSoft delivers industry-leading diagnostic tools from GE Healthcare for decision support that leads to faster diagnoses and better outcomes.

- CardioSoft Resting ECG module supports diagnostic confidence with its proven and validated GE Marquette 12SL\* ECG analysis program, including: ACI-TIPI and gender-specific criteria, 12SL with right ventricular involvement, and serial presentation of ECGs.
- CardioSoft stress module is equipped with the Exercise Test Interpretation (XTI) algorithm to highlight critical values for efficient and timely diagnosis.
- Risk-predicting algorithms, including T-wave Alternans (MMA) and Heart Rate Recovery, assist in identifying patients at risk of sudden cardiac death.
- The new ST/HR hysteresis feature in the CardioSoft stress module enables increased accuracy<sup>1</sup> in detecting coronary artery disease in women and adds confidence in identifying the most appropriate treatment.

<sup>1</sup>Svart K, et al. "Exercise electrocardiography detection of coronary artery disease by ST-segment depression/heart rate hysteresis in women: The Finnish Cardiovascular Study," *Int J Cardiol* (2008), doi:10.1016/j.ijcard.2008.11.038.

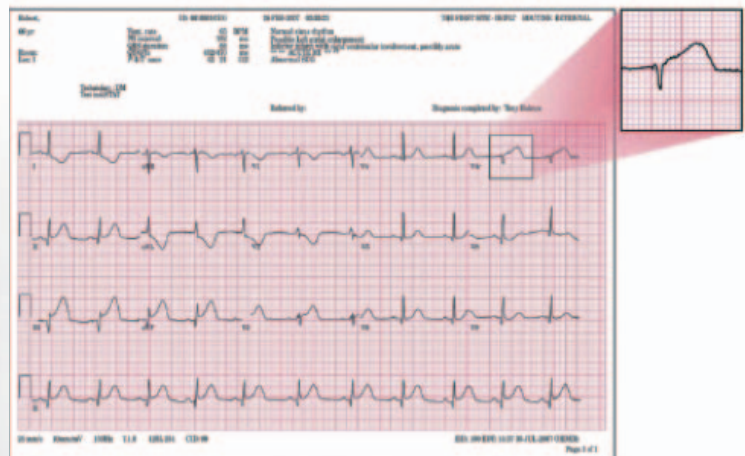


## CardioSoft Stress



## Exercise Test Interpretation (XTI) Statement

## CardioSoft Resting ECG



## 12SL with Right Ventricular Involvement (RVI)



# Always ready to help:

GE Healthcare technical support experts are ready to provide installation, system configuration, HL7 integration, upgrade services and more, including 24/7 availability.

- Implementation services plan for a scalable system that can expand as your facility's needs change.
- Upgraded services support complete data integrity and continuity without compromising your patients' data security.
- Our InSite\* service connects your CardioSoft system directly to our technical support experts via an encrypted Internet connection. This allows our service team to provide fast remote service through secure access to your system.



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\*\*Windows XP Professional (32 bit with SP3); Windows 7 Professional (32 and 64 bit with SP1); Windows Server 2008 (64 bit with SP2), Windows Server 2008 R2 (64 bit with SP1) and Citrix Presentation Server 4.5 (review only).

## About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access, and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at [www.gehealthcare.com](http://www.gehealthcare.com)

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GE imagination at work