GE Healthcare

CS Diagnostic System

Connecting Hearts and Minds

Clinically connected. Simply smart.

CS 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.

CS Diagnostic System supports an integrated continuum of care, with:

- Diagnostic confidence with proven Marquette[*] ECG analysis programs
- Seamless EMR connectivity for faster digital workflow and billing
- Access to patient data anytime, anyplace through CS Web
- Remote Resting ECG acquisition with Citrix[**] XenDesktop[1]

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

CS in a Citrix virtual environment

Display Content (via ICA/HDX)

User Input and ECG Data (USB Redirection via ICA/HDX)

Network (LAN/WAN)

Citrix Receiver

Client PCs   CAM-USB/CAM14
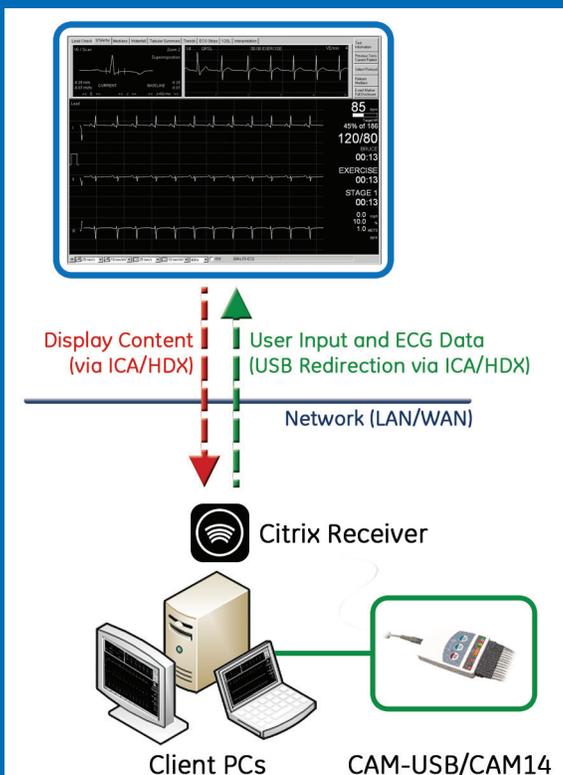
All in one.
No compromises.
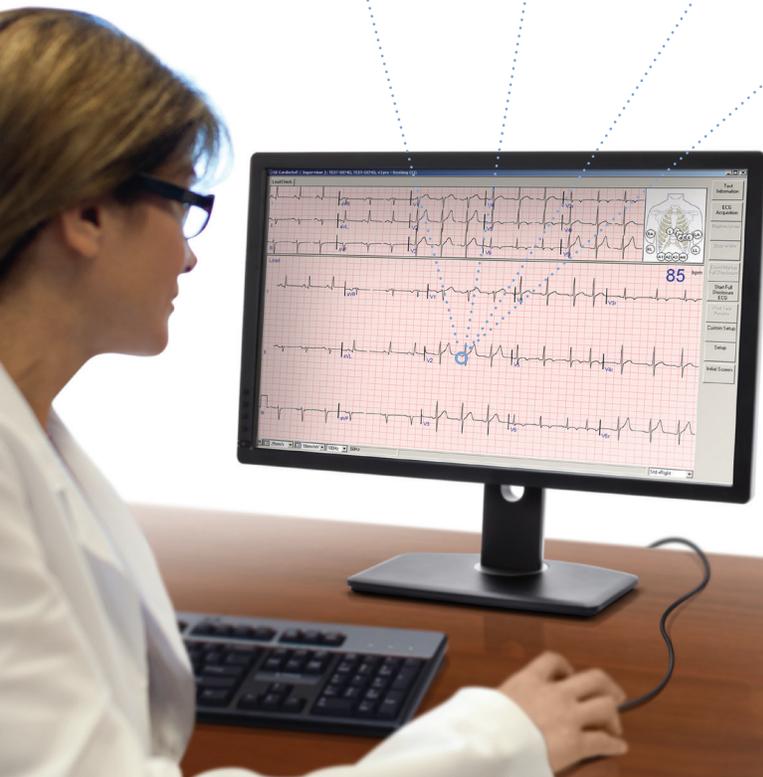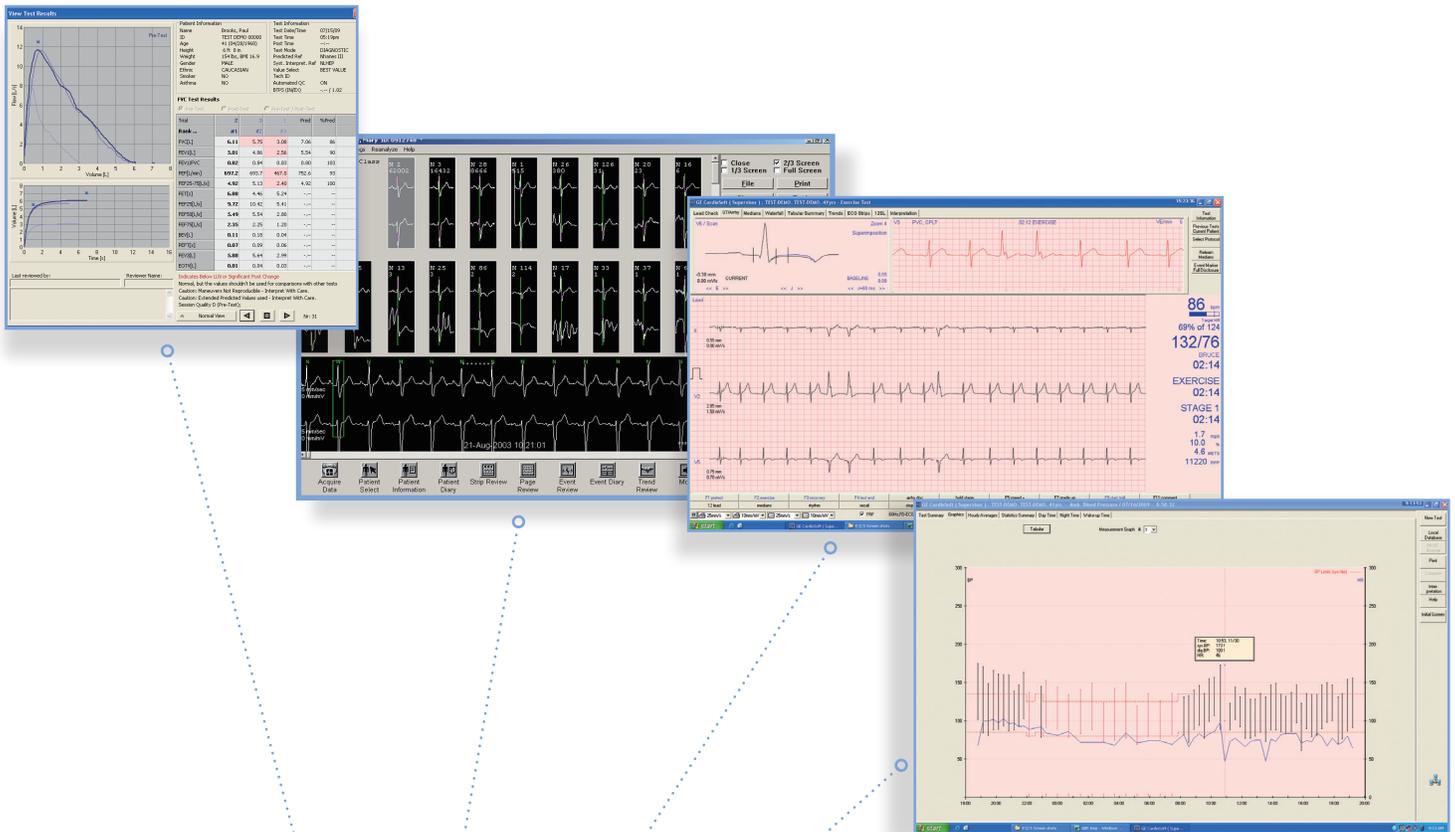
Whatever the size of your practice, clinic or hospital, you can't compromise on diagnostic data quality. CS Diagnostic System connects to the full-range of cardiology testing devices to deliver the clear, reliable data you need to make informed diagnoses.

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. CS Diagnostic System 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.

- CS Diagnostic System is compatible with: Windows[**] 8.1, Windows 7, Windows Server Operating Systems, Citrix and XenDesktop

Standalone or networked environments: The system works as a standalone module or in networked Local Area Network (LAN) or Citrix virtual environments with multiple remote acquisition (Windows 8.1) and editing workstations.

Security and compliance: CS Diagnostic System 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
- CS Diagnostic System 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
- CS Web enables remote access to reports for resting ECG, spirometry, stress and ambulatory blood pressure. Physicians can view reports from anywhere, supporting faster overread
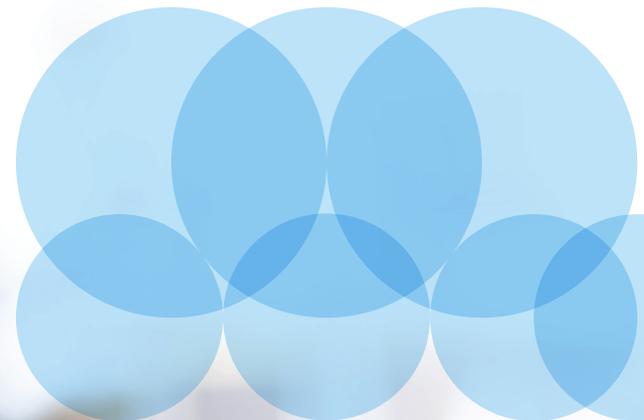
Efficient workflow
for better quality of care.

The demands of healthcare today require you to do more with less and do it all faster. CS 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 CS Diagnostic System 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

- CS Diagnostic System 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: CS Diagnostic System connects easily and securely to your hospital's MUSE Cardiology Information System for even more workflow efficiencies.

Cost-effective: CS Diagnostic System 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.

CS Resting ECG

CS Stress

CS ABP

CS Spiro

MAC* Resting ECG

CASE*

Holter

CS Workstation

PACS

DMWL

DICOM

MUSE

HL7
BDT/GDT

PDF

EMR

Web access

Your link to clinical excellence.

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

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

- CS Diagnostic System Resting ECG module supports diagnostic confidence with its proven and validated Marquette 12SL* ECG analysis program, including: ACI-TIPI and gender-specific criteria, 12SL with right ventricular involvement, and serial presentation of ECGs

- CS Diagnostic System 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 ST/HR hysteresis feature in the CS Diagnostic System stress module enables increased accuracy[2] in detecting coronary artery disease in women and adds confidence in identifying the most appropriate treatment

CS Diagnostic System Stress
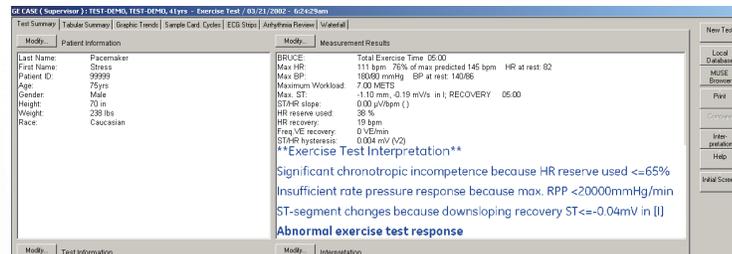
Exercise Test Interpretation (XTI) Statement

CS Diagnostic System Resting ECG
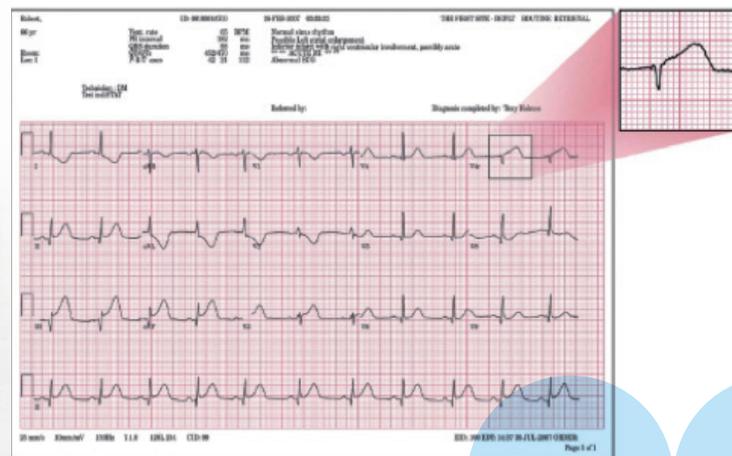
12SL with Right Ventricular Involvement (RVI)

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* ExC service connects your CS Diagnostic 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
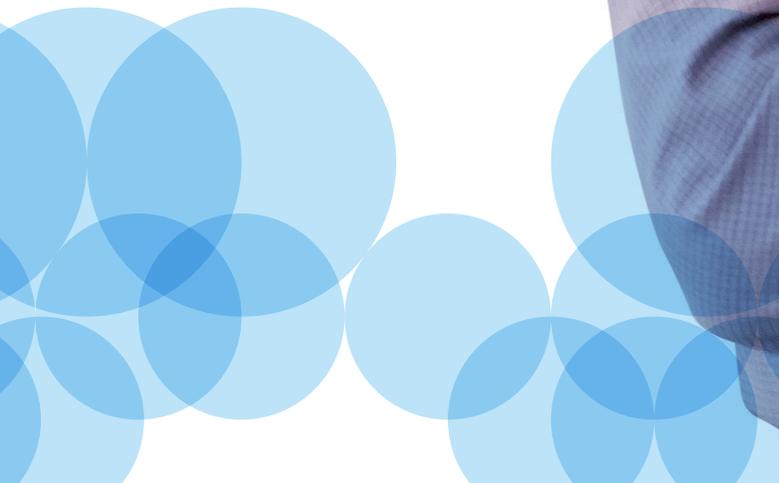
www.gehealthcare.com

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 help 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.

Imagination at work

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