

GE Healthcare

# Rest assured

MAC 5500 resting ECG analysis system



Since 1965, GE has introduced on-going innovation, which has profoundly impacted healthcare delivery, clinical guidelines and ECG standards.

Today, our commitment to improving the science of ECG analysis is stronger than ever. On-going collaboration with the world's leading consulting cardiologists and physicians has consistently led to new developments in ECG interpretation criteria and measurement technologies. But it hasn't stopped there.

The MAC® 5500 system advances clinical workflow with a variety of networked solutions. Linked communication allows

you to store and retrieve your data more efficiently – and opens the door for more informed clinical decision making. What's more, access to patient information maximizes departmental productivity while reducing the chance of errors.

The result is a premier resting ECG system that helps you make faster, more confident cardiac assessments and provide better patient care.

Because at GE, we're putting science before the cart.

# Not resting on our ECG laurels.



Press 'ECG' to record an ECG.  
Smith, Colleen  
000012345

11:41:28

72 BPM



Patient Data

Leads

25 mm/s

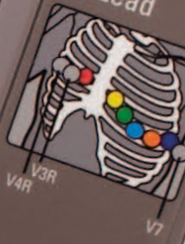
10 mm/mV

150 Hz

More



15 Lead



F1  
F2  
F3  
F4

# A collective disti

Some collections are more valuable than others.  
Others prove to be invaluable.

The MAC 5500 system offers a comprehensive suite of ECG interpretation and analysis programs. Its array of arrhythmia and chest pain tools allow you to address a wider range of disease management needs. Make more efficient treatment decisions. And use invasive tests more judiciously.

It all started in 1980, with the introduction of the Marquette® 12SL™ analysis program. This breakthrough in ECG interpretation has been tested and clinically proven repeatedly for uncompromising quality and reliability. To this day, it remains your most clinically valuable second opinion.

Since then, the easy-to-use MAC 5500 system has been fortified with continuous innovation. Its collection of advanced analysis programs and risk assessment tools deliver clinical accuracy, validity and performance across a diverse range of patient populations.

Quite a measure of their worth.



# nction.

**Marquette Hookup Advisor™** indicates lead signal quality by quickly reviewing ECG waveform for signs and causes of artifact.

**Marquette 12SL with Gender-Specific interpretation** makes detecting acute myocardial infarction (MI) in women easier – even for occasional readers.

**Marquette 12SL with ACI-TIPI (Acute Cardiac Ischemia Time-Insensitive Predictive Instrument)\*** considers patient's age, gender, chief complaint and ECG measurements to generate a score for predicting acute cardiac ischemia. This additional triage information is especially important for patients with chest pain.

**Simultaneous 15-lead acquisition, storage and assessment** offers more ST measurements to facilitate prompt detection of right ventricular and posterior MI.

**P-Wave Signal Averaging\*** features a patented templating algorithm to enhance P-wave measurement accuracy for atrial arrhythmia assessment.

**Hi-Res Late Potential Analysis\*** is a non-invasive alternative to complicated invasive testing for ventricular arrhythmia.

**Enhanced Pacemaker-Detection Software** improves sensitivity to electronically paced hearts.

**Serial ECG Comparisons** via seamless integration with the MUSE® cardiology information system permits analysis of short- and long-term changes in patient's ECG.

\*Available as an option.



# Resting ECG gives a nod to IT practicalities.

Quality data acquisitions are just the beginning.

True clinical genius depends on what you do with that information. The way your clinical work flows is a direct result of how quickly and easily your patient data moves.

The MAC 5500 system is part of a total networked ECG solution – one that allows you to efficiently manage patient data.

GE's wired LAN and MobileLink™ wireless communication options, with advanced security protocols, permit secure bi-directional communication between the MAC 5500 system and your MUSE cardiology information system. So you can reference previously stored data, and get instant access to procedure requests and patient demographics. Not to mention, realize fewer errors and improve your charge captures.

And optional barcoding and magnetic card readers keep things moving along by providing correct patient identification – automatically – and by reducing patient data re-entries.

Then, when you factor in training, easy system maintenance and global support, you have all the pieces in place to help maximize productivity and patient throughput, while positively impacting finances.<sup>1</sup>

Practically speaking, of course.

1. Lutheran Hospital of Indiana, "MobileLink™ helps Lutheran Heart Center Capture ECG charges," case study, November 2003



©2005 General Electric Company – All rights reserved.

General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation.

GE, GE Monogram, Marquette®, MAC®, MUSE®, 12SL™, MobileLink™ and Hookup Advisor™ are trademarks of General Electric Company.

GE Medical Systems Information Technologies,  
a General Electric company, going to market as GE Healthcare.

For more than 100 years, healthcare providers worldwide have relied on GE Healthcare for medical technology, services, and productivity solutions. So no matter what challenges your healthcare system faces, you can always count on GE to help you deliver the highest quality healthcare. For details, please contact your GE representative today.

GE Healthcare  
3000 North Grandview  
Waukesha, WI 53188  
U.S.A.

[www.gehealthcare.com](http://www.gehealthcare.com)



imagination at work