

GE Healthcare

Predictive power.

MARS ambulatory ECG system



Each year, sudden cardiac death claims the lives of millions of people globally. Among the most compelling challenges facing clinicians today is the identification of which patients are at the highest risk for sudden death.

Expect the unexpected.

What if you could predict who was at risk for sudden cardiac death?

Now, you can.

Ground-breaking analysis programs are helping physicians to accurately determine which post-infarction patients are at high risk for sudden arrhythmic death. These exciting, new diagnostic and analysis tools can pick up subtle ECG variations – with life-changing results.

They're part of the leadership technology found on the MARS® ambulatory ECG system – a Holter monitoring solution already respected for its comprehensive suite of gold-standard Marquette® analysis programs. A sophisticated clinical system that's been scaled from the office to the hospital enterprise.

So, you can identify high-risk patients. And begin effective therapies while there's still time.

Quite possibly, change the outcome of a life.

Detect variation precisely.

To help physicians combat the alarming incidence of sudden cardiac death (SCD), two GE-exclusive algorithms are emerging as powerful cardiac risk stratification tools. Both provide additional cardiac information – yet require no additional time, protocols or electrodes.

The Marquette T-Wave Alternans analysis program precisely detects fluctuations in the ECG waveform, identifying an often missed pattern variation that can indicate SCD risk. The presence of T-wave alternans can help clinicians make earlier treatment decisions, such as whether a defibrillator should be implanted.

And the Marquette Heart Rate Turbulence analysis program measures and compares the heart rate before and after pre-ventricular contractions. These comparisons are then used to determine the status of a patient's autonomic nervous system, which is indicative of cardiac health – and thus, predictive for SCD.

Two breakthrough algorithms. Running simultaneously during standard ambulatory ECG testing. Added to an already comprehensive toolset of trusted Marquette Holter analysis programs:

- EK-Pro™ Analysis
- Atrial Fibrillation Detection
- QT Interval Measurement
- ST Segment Measurement
- Heart Rate Variability (HRV)
- Pacemaker Analysis

The result is a wealth of detailed, accurate cardiac information. For greater diagnostic confidence. And better decision support.





SEER® Light

The ultimate in patient comfort, this lightweight (2.5 oz.) pager-sized digital recorder provides 24 hours of 2-3 channels of full-disclosure ECG with pacemaker detection, simple-to-use patient event button and access to patient demographic data.



SEER Light Extend

For patients requiring extended monitoring, the SEER Light Extend provides 48 hours of reliable ambulatory ECG with all of the same features as the SEER Light.



Private practices can be equipped with the same innovative ECG technology and ease of use features as hospital-based MARS systems with the availability of a software-only version.

Because the MARS system is a scalable solution, it can be easily configured from the hospital enterprise to the physician's office to meet all your ECG data acquisition and analysis needs – from basic Holter testing to advanced analyses that include risk stratification technology.

Plus, its open architecture lets you freely move cardiac data and patient demographic information. And comprehensive data sharing is simplified with industry-standard communication. What's more, the MARS system fully integrates with the MUSE® cardiology information system and CardioSoft® diagnostic software for a more complete cardiology record.

From the hospital
to an office
appointment.



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