The ECG with more knowledge built in

Introducing the MAC* 5500 HD

If you can't see the pacemaker, you're not seeing the whole patient

During a patient's cardiac event, physicians have moments to make a diagnosis. Modern pacemakers are difficult to detect in standard ECGs, and inferring their presence takes time many clinicians simply don't have in an emergency situation.

Missed or inaccurate pacemaker detection can lead to incorrect diagnosis, wasted treatment time and costs, and increased risk for patients.

The MAC 5500 HD incorporates new tools for ECG acquisition, enabling confident clinical decisions with a three-step solution that delivers on speed and accuracy.
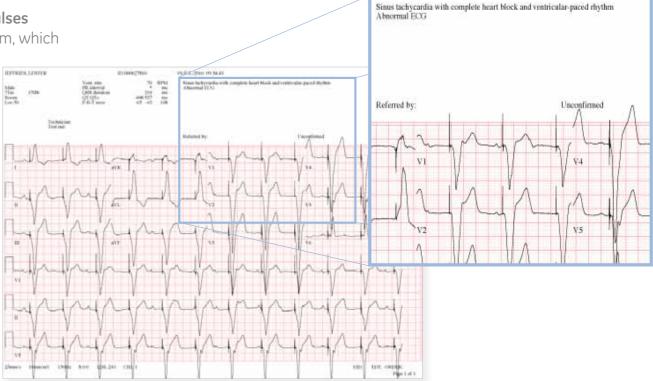
Advancing clinical excellence in three steps

The MAC 5500 HD combines proven 12SL* analysis with technology advancements to provide one of the most advanced ECG pacemaker detection systems available.

- **Detect pacemaker pulses more accurately**[1] via a high sample rate, reducing the risk of treatment contraindicated for paced patients.

- **Advanced interpretation of paced rhythms** via the Marquette* 12SL program. The program can detect and report the underlying rhythm, increasing the breadth of decision support capabilities.

- **Clear visualization and annotation of pacer pulses** through MUSE* v8 Cardiology Information System, which provides a dedicated pace-annotation channel. This helps to reduce the need to identify pacer pulses within the ECG signal, supporting efficient diagnosis.

The latest edition of Marquette 12SL provides analysis for detecting bi-ventricular pacemakers, identifying the underlying rhythm, as well as the chamber(s) being paced.

[1]Ricke AD, Swiryn S, Bauernfeind RA, Conner JA, Young B, Rowlandson GI. Improved pacemaker pulse detection: clinical evaluation of a new high-bandwidth electrocardiographic system. *J Electrocardiol.* 2010;44(2):265-274. Co-authored in part by GE Healthcare employees.

Proven power: HD Pacemaker workflow

Clear data is better data. The CAM HD acquisition module reduces noise and artifact for clearer ECG tracings. This enhanced clarity improves the system's ability to accurately detect the presence of pacemaker pulses and can decrease the need to redo ECGs due to poor data quality.
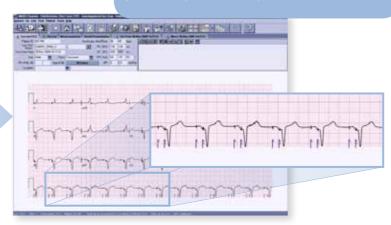
The CAM HD detects pacemaker pulses and sends the pace channel information to the cardiograph.

MAC 5500 HD provides new 12SL paced rhythm interpretations.

MUSE v8 displays the stored ECG for later review. This includes annotations for pacemaker pulses and new 12SL paced rhythm interpretations.

12SL
PROGRAM

When seconds count, workflow matters. The HD Pacemaker feature fosters a seamless flow of information from the MAC 5500 HD and into MUSE v8.
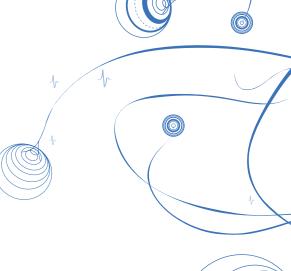
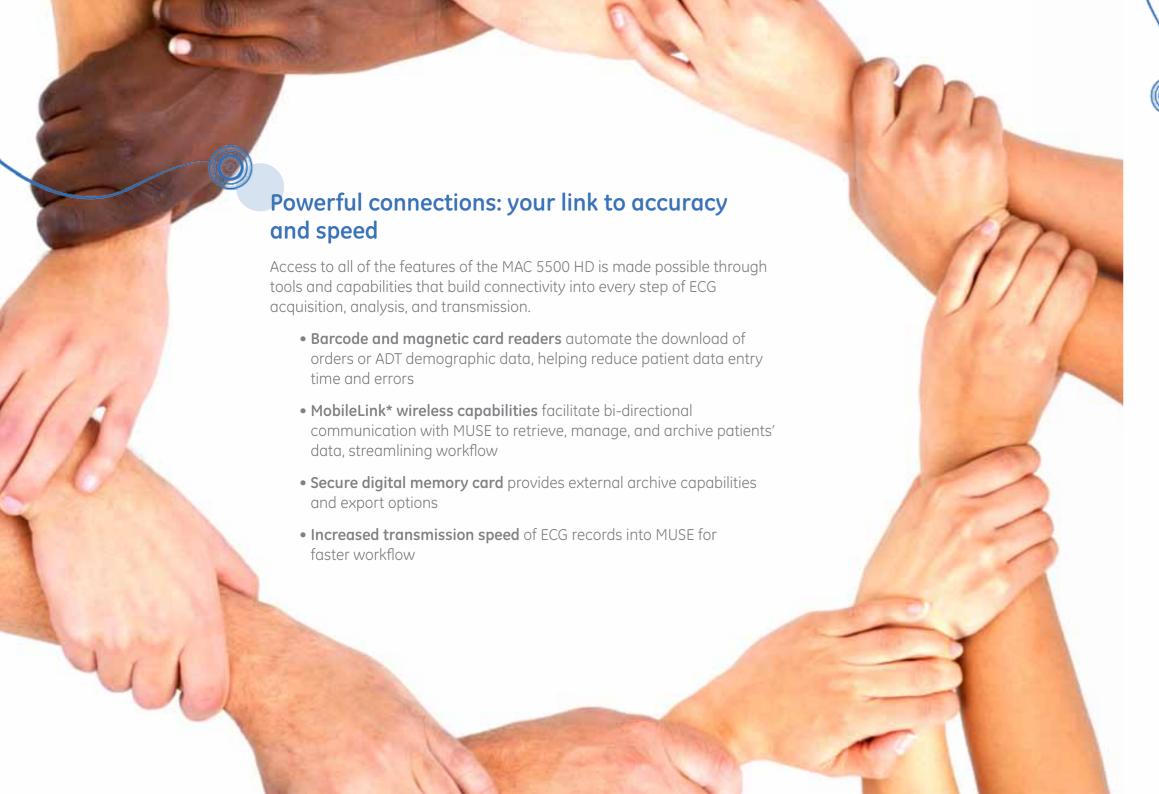## Make every moment count: configurable critical values

Clinicians perform many ECGs every day. Quickly identifying those that need immediate attention can help improve outcomes when moments count. The MAC 5500 HD gives you configurable critical values that help streamline ECG review and speed time to treatment for the patients who need it most.

Configurable critical values help your hospital to:

- **Speed triage and treatment** with on-screen and printed notifications
- **Streamline workflow** by reducing time-consuming manual identification of critical values
- **Consistently report** critical conditions to help support patient safety goals

Powerful connections: your link to accuracy and speed

Access to all of the features of the MAC 5500 HD is made possible through tools and capabilities that build connectivity into every step of ECG acquisition, analysis, and transmission.

- **Barcode and magnetic card readers** automate the download of orders or ADT demographic data, helping reduce patient data entry time and errors

- **MobileLink* wireless capabilities** facilitate bi-directional communication with MUSE to retrieve, manage, and archive patients' data, streamlining workflow

- **Secure digital memory card** provides external archive capabilities and export options

- **Increased transmission speed** of ECG records into MUSE for faster workflow

New capabilities, familiar features, advanced training

The MAC 5500 HD system brings you improved functionality and clinical workflow while maintaining the familiar look and ease of use you expect from a GE Healthcare ECG system. And our training programs ensure that you get the most from your ECG equipment investment while supporting the ongoing education of your clinicians.

GE Healthcare offers a variety of ways to support your initial and ongoing training needs:

- **Train your way, at your own pace** with self-paced computer-based training or on-site training at your facility

- **Consistent staff knowledge** is fostered by providing the same high-quality training to all staff members

- **CEU credits** awarded through GE's computer-based training helps support the professional development of physicians and clinicians (U.S. only)

Training offers vary by region.

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.

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