



# Making life simple with the MAC™ 2000 ECG Analysis System

## Key challenges

The move from conventional analog to digital ECGs was a breakthrough, driving clinicians to find a cardiology solution that allowed results to be visualized and reviewed on screen, helping to avoid repeat examinations and unnecessary printouts, and increasing the patient workflow. The hospital's previous ECG system did not deliver the high quality required, limiting the patient workflow, and could not be integrated with the Hospital Information System (HIS). Connectivity is a key requirement, as a large number of devices in the hospital and primary care centers must be connected via WiFi to allow monitoring and diagnosis of patients across various locations.

## Solution

Dr. Antonio Garcia-Quintana, a cardiologist at the hospital, saw that the MAC 2000 could enhance the quality of the services offered, making it more straightforward to assess patients on the ward, review and analyze ECG results, and share data to improve knowledge. High quality pdfs can be created – no need to scan printouts – to send to a colleague if a second opinion is required, and the algorithm technology allows error detection. The ability to export data to a digital file is excellent for teaching purposes.

## Results/benefits

One of the biggest advantages of the MAC 2000 compared to the hospital's previous system is its ease of use. All the ECGs in a ward are now undertaken by a single person, and clinicians can review and analyze the data in the clinical environment or export it to the server to review in the office. The option to print a hard copy of the results is essential in the emergency room, although it is not required in other areas. Overall, the MAC 2000 has improved the patient workflow, enabling more ECGs to be performed in less time, enhancing efficiency. Above all else, clinicians find it delivers reliable, high quality results.

### About the Hospital Universitario de Gran Canaria Dr. Negrín

The Hospital Universitario de Gran Canaria Dr. Negrín is a medium- to large-sized teaching hospital in Las Palmas, Gran Canaria. It has more than 800 inpatient beds, and serves a population of one million, including four primary care centers. The hospital has a 66-bed cardiology unit offering high level services, including surgery and all cardiac-related specialties.

**“We have better quality data that can be studied and shared to improve knowledge.”**

*Dr. Antonio Garcia-Quintana, cardiologist,  
Hospital Universitario de Gran Canaria Dr. Negrín*

## Overview

Simple is productive. MAC 2000 offers:

- Easy capture of 10-second ECGs with one-touch operation
- On-screen preview of 12-lead waveforms and ECG results to streamline procedures
- Marquette™ 12SL analysis program for supporting clinical decisions
- Multiple connectivity and export options, including the MUSE™ Cardiology Information System, for straightforward data access, transfer and storage

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