



Ritmocore: Remote Monitoring of Pacemakers



Purpose

Innovation for Sustaining a Healthy Heartbeat

Transforming the management and care of patients with bradycardia and arrhythmias, including those with a pacemaker implant and those without. This project is an Innovative Public Procurement initiative, bringing about a departure from the traditional contracting model with device manufacturers. The concept of shared risk is introduced, fostering co-responsibility between healthcare centres and device suppliers in achieving the proposed goals.



1,000 patients
are monitored at the Bellvitge Hospital



60 alerts
triggered medical
or technical assistance



99% of atrial fibrillations
were detected
thanks to remote monitoring



19 million euros
invested in the largest
value-based public procurement in Europe



Solution

- Offering personalised therapy: the best available treatment for each patient
- Enabling remote patient monitoring through sensors, mobile apps, and digital devices
- Achieving continuity of care through the exchange of information and enhancing decision-making
- Working towards patient empowerment



Value proposition

- Increased quality of care and enhanced patient experience
- Telemonitoring of pacemakers
- Optimal utilisation of collected data
- Establishment of a mutually beneficial purchasing model between the hospital and healthcare technology company
- Empowering and activating patients



July 2016

Project initiation

January 2020

Tendering process starts (suspended in March due to COVID-19 and resumed in May).

November 2020

Evaluation results obtained.

January 2021

Commencement of telemonitoring for patients.

April 2022

Implementation of the first nurse-nurse inter-consultation circuit for arrhythmias.



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Participating entities:

- Hospital de la Santa Creu i Sant Pau (Barcelona)
- Bellvitge University Hospital (Barcelona)
- Liverpool Heart and Chest Hospital NHS (United Kingdom)
- Elisabeth-TweeSteden Hospital (The Netherlands)
- Azienda Regionale Unica Sanitaria (Italy)
- Agència de Qualitat i Avaluació Sanitàries de Catalunya (AQuAS) - coordinating entity

Collaborating company:

BIOTRONIK
excellence for life



GTMS team

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