

# CardioSecur Pace

Precision in simplicity



Made  
in  
Germany



CardioSecur   
Knows Your Heart

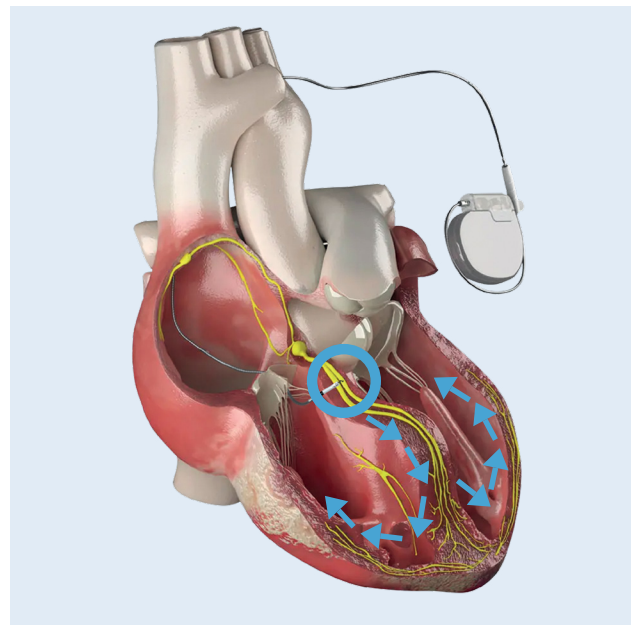
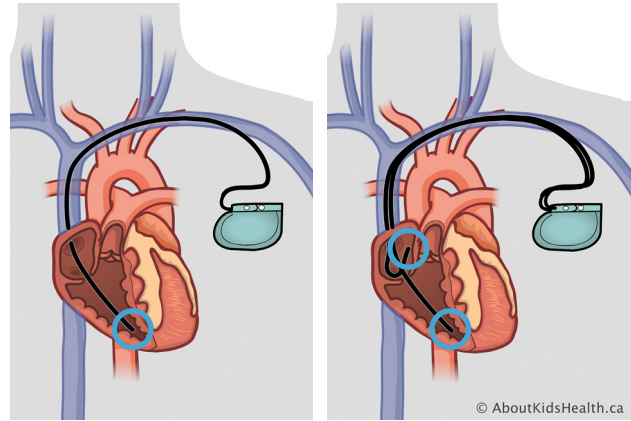
# Pacemaker Procedures & Challenges

Pacemaker procedures have evolved over time to include not only the conventional single and dual chamber pacing, but more recently Left Bundle Branch Pacing (LBBP) or Conduction System Pacing (CSP).

Unlike conventional procedures, LBBP utilises the heart's natural conduction system in order to pace the heart in a more effective and synchronous manner. Clinical evidence indicates a reduction in heart failure and mortality rates.

To perform LBBP more sophisticated equipment is needed, usually only available in EP labs. Smaller interventional clinics often cannot afford such expensive equipment. Hence, LBBP is commonly not performed in clinics without an EP lab.

Easy-to-use technology serving LBBP with the required level of precision, yet being affordable, will make latest pacemaker implantation procedures more accessible to any clinic.



# Precision in simplicity

## CardioSecur Pace - promoting access to LBBP for any clinic

In recent years, innovation in medical technology and procedures have transformed pacemaker implantation significantly. CardioSecur Pace, the Bluetooth based 12+ lead ECG system, is highly sophisticated while affordable, enabling any clinic access to the latest implantation procedures.

The vectorcardiography based ECG running on iOS iPads, employs only 4 electrodes, is very light and swift in application, while allowing for more than 12 lead output, to include V7-V9 and VR3-VR9. The precision of its ECG data is unique. Unique is also its simplicity in application and technology design.

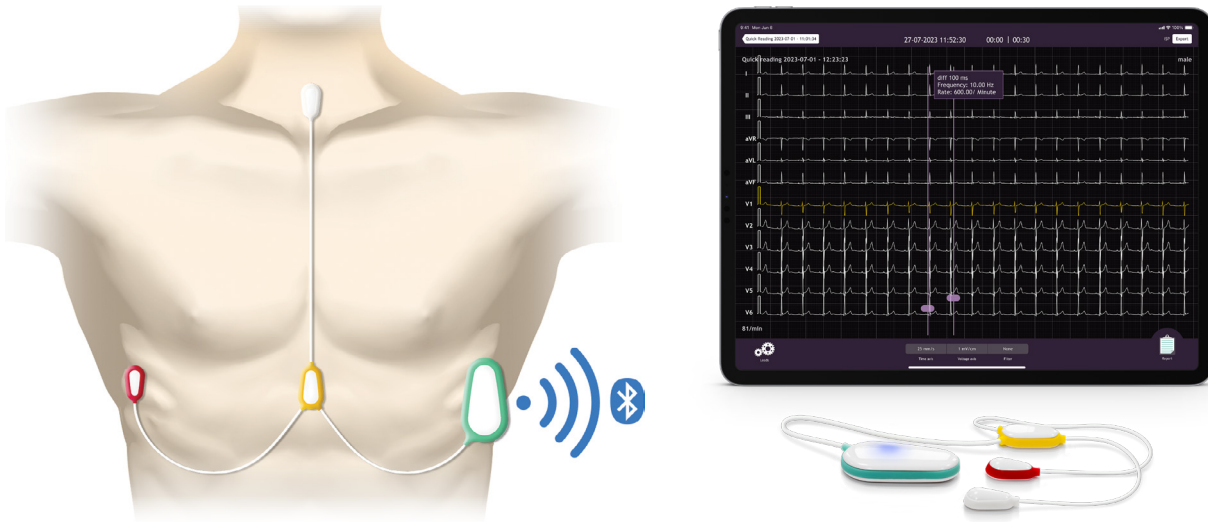
Without compromising on ECG output, fewer electrodes permit an undisturbed x-ray view of the patient's thorax during implantation procedures. CardioSecur Pace technology is entirely Bluetooth based and reduces the number of cables in the operation environment significantly. Fewer cables mitigate mechanical adversary incidents and contamination risks, while supporting ease of use.

The CardioSecur Pace app runs on a native iPad providing a comfortable and high-resolution suite during the intervention, comprising all the necessary features of larger and more expensive EP equipment to perform LBBP. iPads are equipped with IoT-cards allowing continuous app updates and administering the iPads via the MDM system. CardioSecur makes sure that you are always at the pulse of technological advance.

The CardioSecur high-tech equipment is Made in Germany and promotes a truly digital path for pacemaker implantation procedures. Its precision in ECG output is unique, as is the simplicity it introduces to daily pacemaker implantation. Its affordable commercials promote LBBP to smaller interventional clinics and thereby increase pacemaker efficacy on a global scale.

# How it works

The CardioSecur ECG cable connects directly via Bluetooth to your iPad. Data integration options allow CardioSecur connecting to your patient administration software or the hospital information system (HIS). CardioSecur also offers options for ECG Parameter Measurement and automatic ECG interpretation.



## Benefits

### Swift & easy



Only 4 electrodes permit an undisturbed x-ray view on the patient's thorax.

### Wireless



Bluetooth communication reduces the number of cables.

### Enabling LBBP for any clinic



Cost-effective high-tech alternative to larger EP equipment.

### Intuitive & App-based



High-resolution suite, touch driven, comprising the necessary features of larger EP equipment.



CardioSecur is an innovation by Personal MedSystems GmbH  
Certified by TÜV SÜD subject to regulation ISO 13485 and 2017/745 MDR



Personal MedSystems GmbH  
Wilhelm-Leuschner-Straße 41  
60329 Frankfurt am Main  
Germany

+49 (0) 69 907 2013 0  
info@cardiosecur.com

For more information visit:  
[www.cardiosecur.com](http://www.cardiosecur.com)

