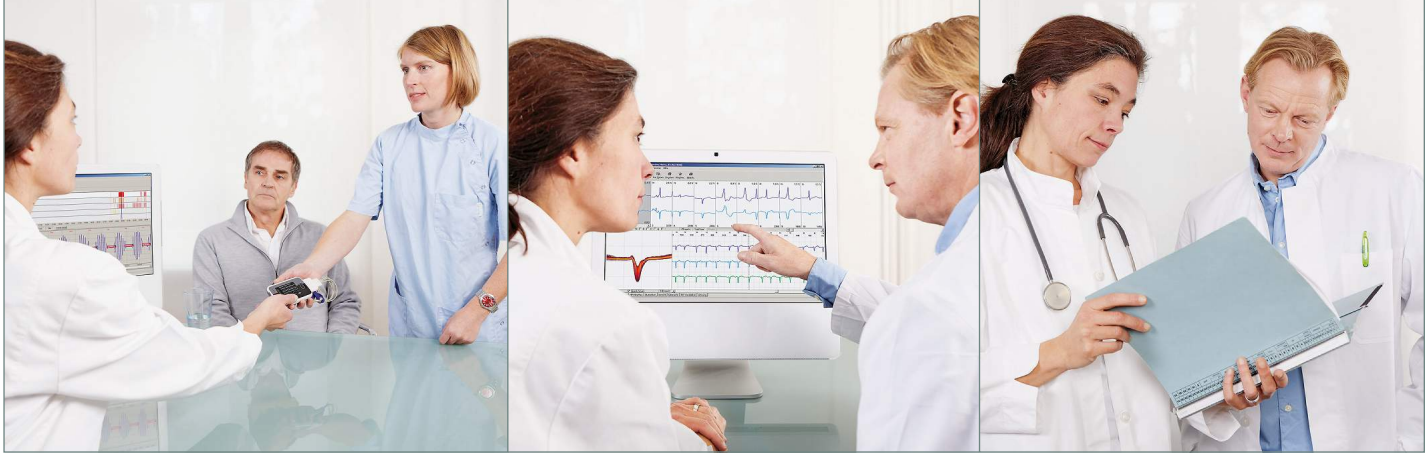# getemed

CardioDay®

Holter ECG Analysis Software

Cardiac function diagnostics

Vital signs monitoring

Telemonitoring

CardioDay®
Holter ECG Analysis

The Holter analysis software CardioDay®, which was designed in close cooperation with both daily users and scientific researchers, has stood the test of time by thousands of users over many years. The modular structure, ranging from basic through standard modules, guarantees a customized solution that can be easily adapted to new or changing requirements.

Systematic User Guidance
CardioDay®'s layout and menu structure guide the user through all steps of the analysis, thus assisting to ensure consistent high-quality results, regardless whether the user is a regular Holter ECG analyser, new to the job, or just a sporadic user. GETEMED's proven algorithms form the basis for a comprehensive and fast evaluation of the recorded ECG data.

Patient Demographics and Recordings
Prior to starting the recording, CardioDays®'s Hookup Tab module can be used to wirelessly transfer patient demographics to the recorder and visually inspect the amplitude of the ECG leads on the PC screen. After the recording has been completed, it can be entered into the software for analysis by various means, depending on the actual recorder type: via card reader, via Hi-Speed USB or via a network. Recordings of up to 10 days may be analyzed. Reports can be printed out directly or exported electronically.
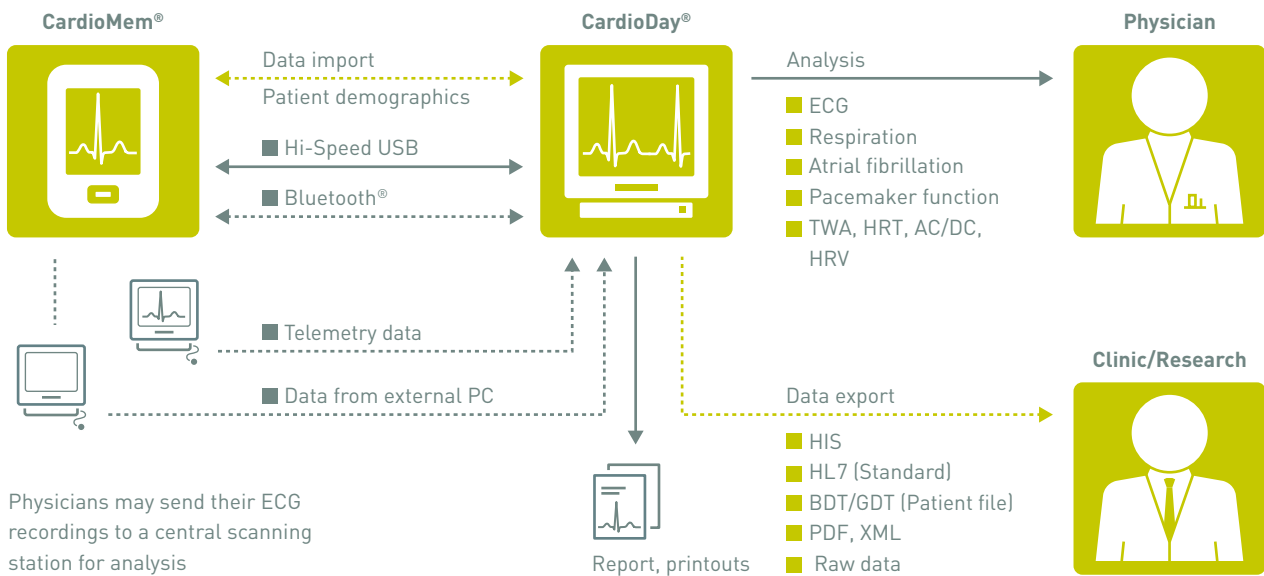
In addition to ECG data acquired by GETEMED's CardioMem® digital recorders, CardioDay® also sup-ports ECG recordings from SEER recorders and from telemetry systems.

The right choice for every requirement

■ Integrated   □ Option

	CardioDay® Easy	CardioDay® Standard
Classes, events, HR and ST trends, reports, printouts	■	■
QuickScan and single beat editor		■
Pacemaker detection	□	■
Pacemaker function analysis		□
RR variability (standard analysis)	□	■
RR variability (extended analysis and export)		□
Beat-to-beat QT measurement		□
Arterial fibrillation analysis	□	■
Respiration analysis (thorax impedance)		□
12-channel module (online viewer, marker technology)		□
HRT, AC/DC, TWA analyses		□
XML, MIT, CSV export		□
Archive	□	□
HL7 interface		□

reliable
user-friendly
compatible

CardioMem®

Data import
Patient demographics

■ Hi-Speed USB

■ Bluetooth®

CardioDay®

Analysis

■ ECG
■ Respiration
■ Atrial fibrillation
■ Pacemaker function
■ TWA, HRT, AC/DC, HRV

Physician

■ Telemetry data

■ Data from external PC

Physicians may send their ECG recordings to a central scanning station for analysis

Report, printouts

Data export

■ HIS
■ HL7 (Standard)
■ BDT/GDT (Patient file)
■ PDF, XML
■ Raw data

Clinic/Research

Communication Interfaces and Data Export
CardioDay®'s server-client architecture fulfils the networking requirements of clinics, private practices and other medical care providers. The data can be stored and managed through a central server. Access is password protected and the rights of each user can be configured individually. A wide variety of data exchange possibilities are provided for the communication of patient demographics and reports with hospital information systems, private practice software or other research software, including HL7 and BDT/GDT formats. Furthermore, raw ECG data and analysis results can be exported in standard formats such as PDF, MIT, CSV or XML.

Modular Analysis Tools
The standard features provided by CardioDay® include morphology classification, event detection and display according to severity, heart rate and ST analysis tools as well as powerful tools for creating reports and printouts.

Depending on the requirements at hand, further modules for more specialized analyses can be selected, for example, modules to support the diagnosis of sleep-related respiratory disorders, atrial fibrillation, pacemaker function. In addition to the comprehensive time-domain and frequency-domain heart rate variability analysis tools, algorithms for heart rate turbulence (HRT), acceleration/ deceleration capacity (AC/DC) or T-wave alternans (TWA) are also available.

12-Channel ECG
The 12-channel ECG module gives CardioDay® the finishing touch by providing a means of analysing several days of high-resolution ECG data. Data segments can be exported automatically or manually in standard formats such as XML or CSV.

Highlights

Windows-Software (7, 8, 10)
User-friendly with integrated user workflow guide
Fast and proven analyses
Automatic event detection, sorted according to severity
Heart rate variability and atrial fibrillation analyses
Analysis of pacemaker function
Beat-to-beat QT measurement
Pre-screening for sleep related disorders
HRT, AC/DC and TWA analyses
Communication interfaces (e.g. HL7, BDT/GDT)
Comprehensive report and export functions

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