

Assistance System for the Analysis and Visualization of Medical Data Soft-Vital

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Short description

Soft-Vital software lets you evaluate long-term recordings of various vital signs comfortably and precisely. By that, it is possible to show as a graph ECG recordings in combination with movement activity, blood pressure or blood sugar. The priority is to improve the diagnostic tools and to support the medical analysis of substantial amounts of data.

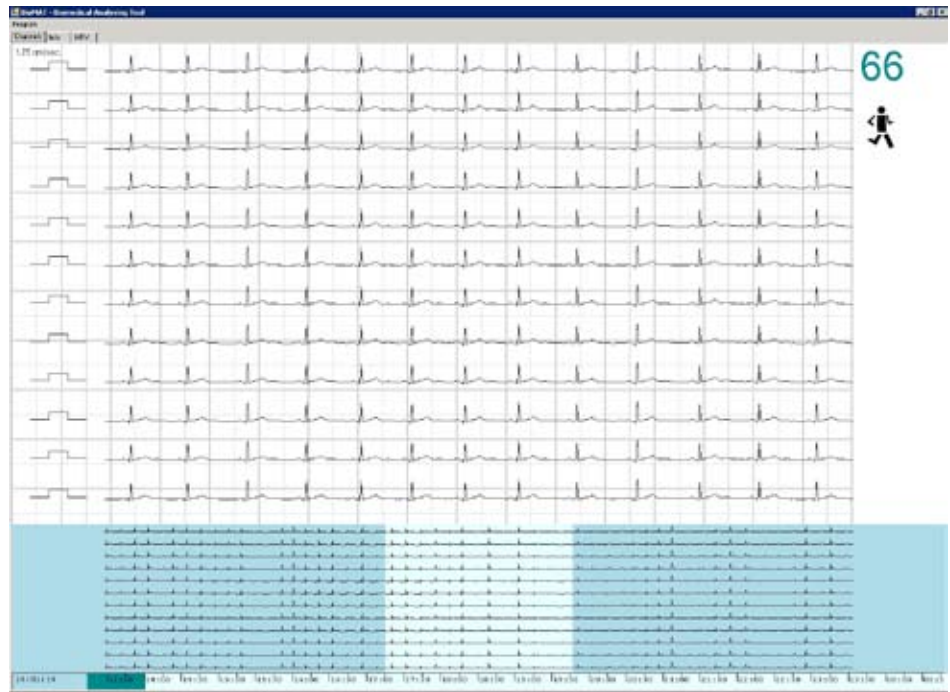
Product characteristics

The outstanding feature of the assistance system is its configurability in terms of the quantity and variety of input data. For example, continuous measuring results can be displayed and combined with values that have been measured sporadically. In the case of the long-term

ECG monitoring system, this results in advanced diagnostic possibilities compared to conventional Holter examinations, especially in combination with movement data. Further measurands recorded by other sensors can be integrated into the software. It is possible to record medically relevant parameters such as ECG, blood pressure or movement activity over extended periods of several days in order to extrapolate trends as well as to determine correlations between various parameters. Especially with respect to long-term check-ups (> 24 h), the software offers complex options of user-friendly, intuitive handling. A configurable, chronologically resolved representation of various parameters (e. g. ECG heart rate, breathing frequency episodes, ST trends) permits fast and sound data analysis.



Fig. 1: Assistance system for data analysis with data and event display



Fields of Application

- Evaluation of long-term data
- Fusion of sensor data

Fig. 2: Assistance system for data analysis (full screen display)

Features

- Input of various file formats
- Configuration of output parameters
- Various visualization modes
- Comprehensive ECG analysis (amongst other things, measurement, rhythm analysis, ST analysis, breathing frequency, HRV in time period and frequency range)
- Extensions according to customer specifications possible

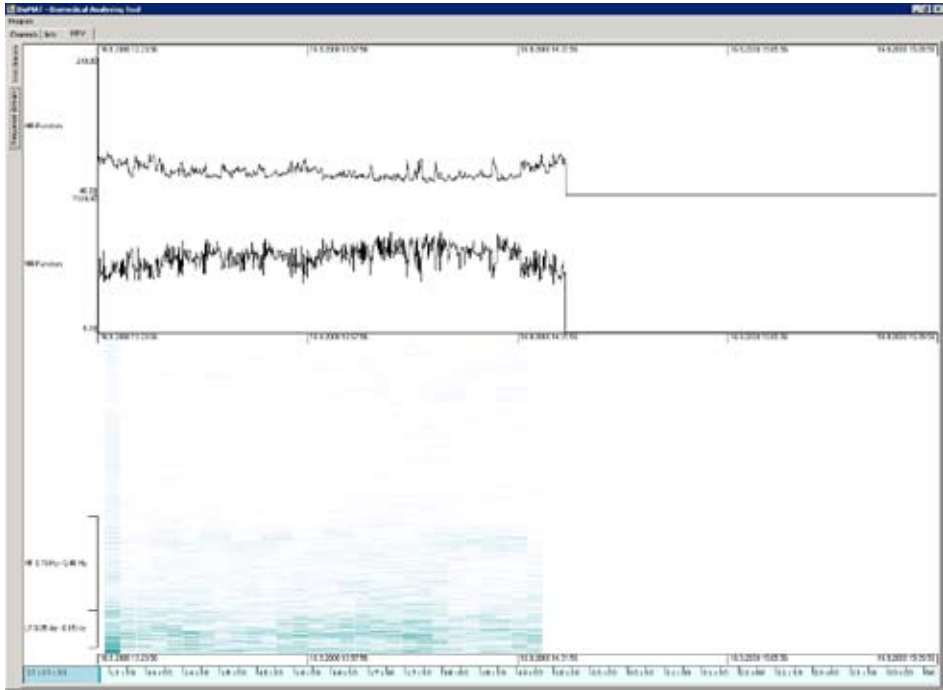


Fig. 3: Additional options for analysis (HRV analysis in the frequency domain)