AMEDTEC ECGpro®

12-Lead Stress Test ECG

Precise in function diagnosis - Easy to use

Made in Germany - Made for Europe

The 12-Lead Stress Test ECG with the optimal workflow -
Fast, precise and easy to use – To an added value for patient and physician
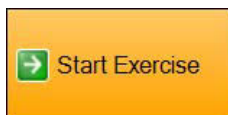
- Wireless ECG transmission via Bluetooth
- Single-Key-Operation
- Automatic arrhythmia detection

ECG Acquisition Devices

You have the choice between USB connection and the wireless Bluetooth transmission. Bluetooth allows for maximum mobility on the treadmill.

Comfortable User Guidance by One-Key-Operation

You no longer need to think about the next step to operation. AMEDTEC *ECGpro* leads you through the stress test. The orange button with the green arrow always executes the next workflow step.
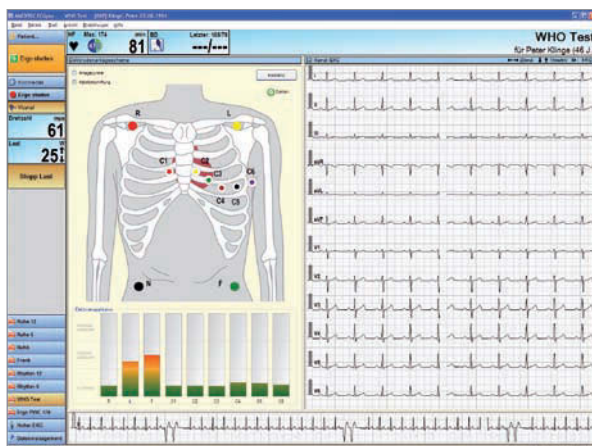

ECG Quality Indicator

The bar chart shows the quality of each electorde's application in green-to-red colour gradients. Simultaneously you can watch the ECG. In case of a faulty ECG, you can immediately indentify the deficient electrodes with the help from the graphic. In addition, you can also use the traditional impedance measurement.

Stress Test Programs

AMEDTEC *ECGpro* comes with stress test programs suitable for nearly all desires. If, however, none of the preset programs should fit your needs, you can easily create your own. Just by mouse click you deside on whether it's a ramp or a slope profile. Besides the load profile you can make convenient settings for monitor and printer output, arrhythmia detection, and target and alarm values. Each stress test program can be started by a single click on the corresponding button, which AMEDTEC *ECGpro* creates automatically, and which you can label freely by yourself.

Fully Automated Stress Test Procedure

Standardized and programmable protocols allow for both routine and individually adapted exercise. According to the protocol, at predefined times blood pressure is measured automatically, and ECG strips are printed or marked for the report. At any time, you can intervene with the automatic stress test procedure. With the push of a button, you can print out ECG strips, averaged beats or the full-disclosure ECG.AMEDTEC *ECGpro* controls bicycle ergometers, treadmills and blood pressure devices. Of course, also the stress test devices can be controlled manually at any time.

Automatic Arrhythmia Detection

Arrhythmia events are detected immediately as they occur during the exercise, and are displayed in red colour within a separate screen area. You can specify the types of events taken into account at any time.

Averaged Beats

AMEDTEC *ECGpro* displays the averaged beats of up to 12 selectable leads. Both the ST level and the increase/decrease of the ST segment are measured at fixed and at dynamically determinded measurement points in all 12 leads. If wanted so, always the averaded beat of the lead with the greatest ST elevation or depression is automatically displayed.
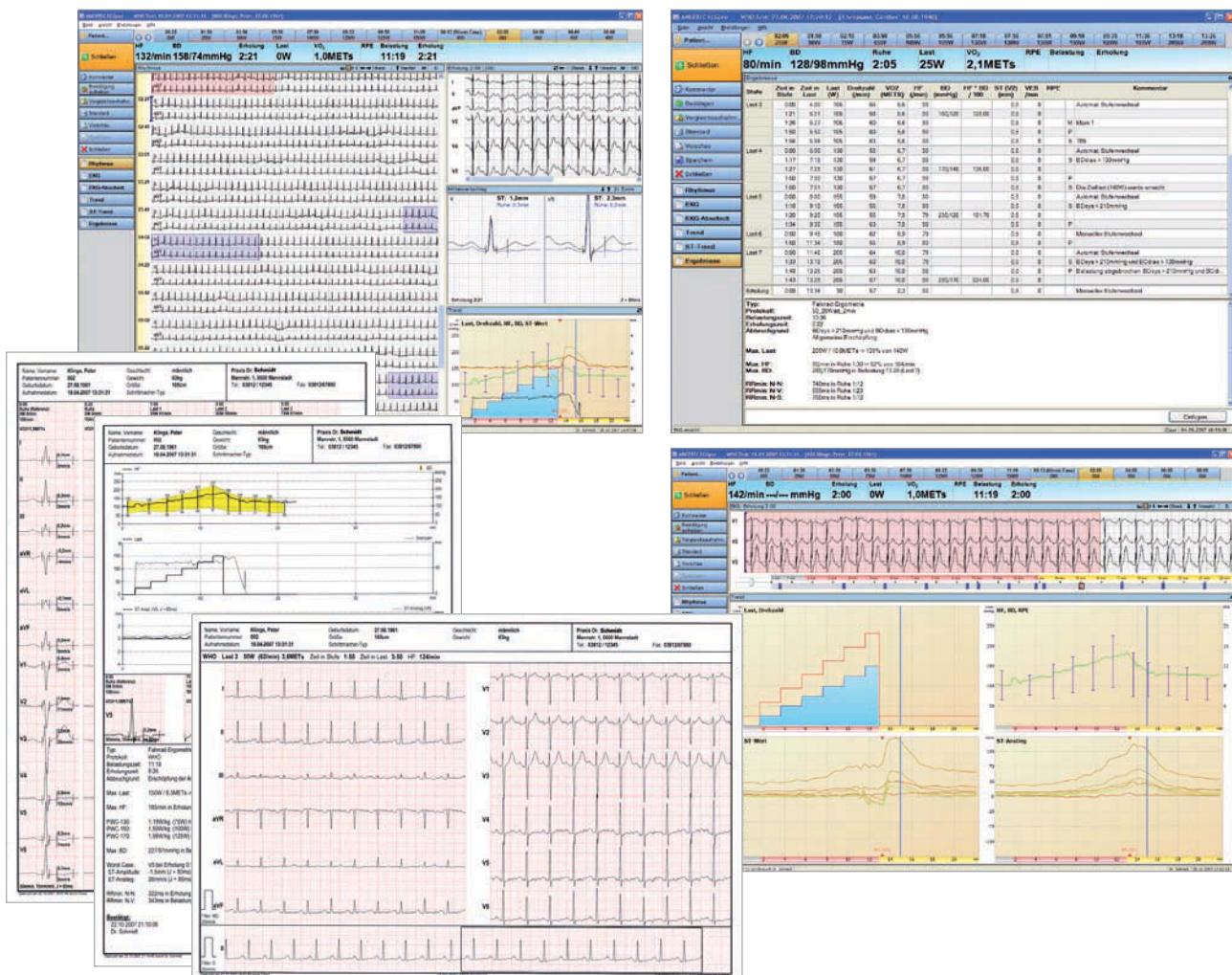
Freeze and Scroll Back

All 12 channels of the ECG are saved full-disclosure. During the exercise, you can freeze the display, scroll back and review the complete ECG recorded up to this time, and print or mark ECG sections. During the main screen is paused, the life ECG is still displayed on the bottom of the screen.

Analysis

While the patient is still monitored after the exercise, you can already analyse the ECG. After being saved, the recording can be opened from any AMEDTEC *ECGpro* workstation in the network. Your analysis is aided by ECG views, trends and several measurement tools. The measurement table shows the stages, measurement values, maxima and remarks. The final report is written as free text, or by just inserting predefined, configurable text blocks. A confirmation note ensures that the report may only be altered by yourself.

AMEDTEC *ECGpro* Online (Optional)

The recorded ECG is transmitted online via the network directly to your PC. So you can monitor the exercise from your desk and comunicate with the staff in the examination room via the integrated messaging system.

AMEDTEC *ECGpro* Data Management

The central Data Management System coordinates and stores all patient data and recordings by using a Microsoft SQL Server Database. The information, coming from all of the AMEDTEC *ECGpro* modules, so those of the 12-Lead Stress Test ECG, are gathered in the database.
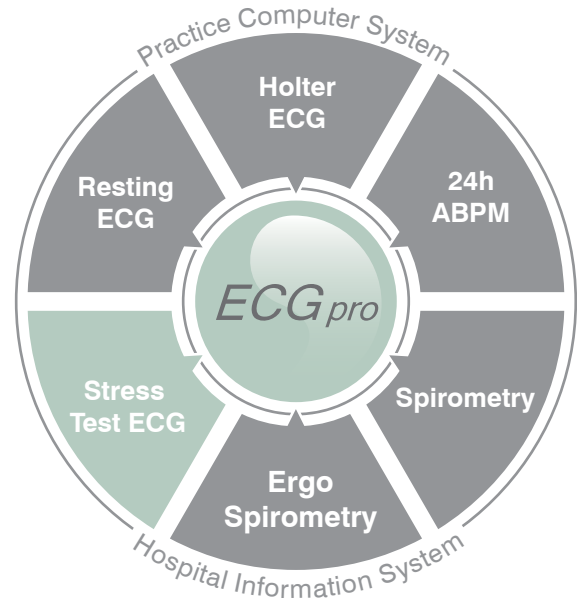
AMEDTEC *ECGpro* works locally or in a network. Fully networked, you can open, edit and print recordings stored in the central database on each client.

AMEDTEC *ECGpro* synchronises automatically local databases with the central server database. Thereby you can go on working even if the network is broken down. This is highly important for WLAN networks.

AMEDTEC *ECGpro* offers the BDT/GDT interface to practice computer systems for the exchange of patient data and test results.

You can start ECG recordings directly from the practice computer system.

AMEDTEC *ECGpro* supports the HL7 protocol to exchange information. The configurable messaging system offers highest flexibility for the communication with the Hospital Information System.

System requirements

Intel compatible processor 2 GHz
1 GB RAM
40 GB hard disc
CD or DVD drive
USB 2.0 port
RS232 for ergometer
Screen resolution 1280 x 1024

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