

The Parc ECG Technology

The Parc ECG System is an internet-based advanced technology for early, non-invasive testing of heart disease (CHD). The heart monitoring system provides high quality 3D visualization and diagnosis of the heart using advanced signal analysis. The device uses only 4 limb wires from the patient's wrists and ankles. Patients are easily tested sitting up, fully clothed.

Parc ECG provides a better level of diagnosis with its improved sensitivity levels that can detect early warning signs that would normally be invisible with standard ECG devices. The system can dramatically cut the costs associated with the detection of ischemic heart disease and will prove to be an invaluable testing device for cardiologists, physicians, clinics, hospitals, the fitness industry, sports teams, emergency facilities and general public.

Parc ECG depicts disease or stress levels as a 3D image supplementing the line drawing electrocardiogram. The system evaluates the stability of current heart conditions. It is highly portable and provides a rapid analysis in 30 or 60 seconds. The device is connected through the Internet to the central server that converts the electric conductivity of the cardiac tissue into a three-dimensional, color-coded and easy-to-interpret visual portrait. This heart portrait allows customers and physicians to observe the condition of the heart muscle and the intensity of the heart stress load quickly and easily.

Effectiveness of device usage

The characteristics of Parc ECG considerably excel those of analogues intended for ECG screening. Suffice it to say that the time of obtaining the conclusion is 1-3 minutes, control is made without taking off clothes in the sitting position and indexes of sensitivity and specificity to ischemic heart disease increase to 80%.

For comparison: mean ECG-12 sensitivity to IHD is only 30...40%. The latter means that more than 60% of occult or pre-clinic forms of developing ischemic heart disease at present are not elicited by methods of standard ECG analysis and require applying other expensive methods of investigation (CAG, myocardial scintigraphy, etc.).

The **Parc ECG** is intended for quick identification of heart performance abnormalities, which are manifested in the above mentioned dispersion characteristics and may be associated with developing heart pathology.