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Automatic detection of ST-Elevation Myocardial Infarction

The Authors present solutions for ST-Elevation Myocardial Infarction (STEMI) detection in ECG signal. Due to small amount of real ECG data, simulator was successfully used. Simulated STEMI can be compared in the high level of accuracy to real signal. Application for ECG analysis was created by the authors. This application can detect seriously heart disease like STEMI, and compare it with normal sinus rhythm or some arrhythmias. Obtained experiences allow to create automatic system of seriously heart problems detected in wireless signal transmissions.