OPTIMAL ECG LEAD SYSTEM FOR ARRHYTHMIA ASSESSMENT WITH USE OF TCRT PARAMETER

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Abstract:

The aim of the study was to evaluate diagnostic value of TCRT (spatial QRS-T angle) parameter in different sets of ECG leads and to select the ECG lead set, for which the TCRT parameter would have the best sensitivity and specificity in identifying patients threatened by ventricular tachycardia (VT pts). Two groups of patients after myocardial infarction were studied: 13 non VT pts and 30 VT pts. The TCRT parameter values differentiated VT pts group from non VT pts group for all analyzed sets of ECG leads. Considering sensitivity of the TCRT parameter in identifying VT patients the best set of ECG leads was selected.

Keywords: arrhythmia, vectorcardiography, ńsk factors