

dispersion of ventricular repolarization pdf

Signed value of monophasic action potential difference: a useful measure in evaluation of dispersion of repolarization in patients with ventricular arrhythmias. Eur Heart J . 1997 ; 18 : 1329-1338.

Dispersion of Ventricular Repolarization | Circulation

Request PDF on ResearchGate | Dispersion in Repolarization and Arrhythmogenesis | The relation between induction of arrhythmias and dispersion of repolarization is not completely understood.

Dispersion in Repolarization and Arrhythmogenesis

In assessing risk of sudden death, QRS dispersion ≥ 40 ms had a sensitivity and specificity of 90% and 77%, respectively; QT dispersion >65 ms, 85% and 75%, respectively; negative T wave beyond V1, 85% and 42%, respectively; and syncope, 40% and 90%, respectively.

Dispersion of Ventricular Depolarization-Repolarization

Signed value of monophasic action potential difference: a useful measure in evaluation of dispersion of repolarization in patients with ventricular arrhythmias. Eur Heart J. 1997;18:1329-1338. Crossref Medline Google Scholar; 14 Zabel M, Portnoy S, Franz MR. Electrocardiographic indexes of dispersion of ventricular repolarization: an isolated heart validation study.

Dispersion of Ventricular Repolarization | Circulation

PDF | QT dispersion has been adopted as a new index for the noninvasive assessment of the inhomogeneity of repolarization and has been evaluated in several clinical studies as an index of ...

(PDF) Is Dispersion of Ventricular Repolarization Rate

In our study we evaluated the QTc dispersion and JTc dispersion, electrocardiographic markers of ventricular repolarization heterogeneity, in Emery-Dreifuss muscular dystrophy patients with preserved systolic and diastolic function.

Increased dispersion of ventricular repolarization in

In assessing risk of sudden death, QRS dispersion ≥ 40 ms had a sensitivity and specificity of 90% and 77%, respectively; QT dispersion >65 ms, 85% and 75%, respectively; negative T wave beyond V1, 85% and 42%, respectively; and syncope, 40% and 90%, respectively.

Dispersion of Ventricular Depolarization-Repolarization

Dispersion of repolarization has consequences for inducibility and persistence of reentrant ventricular arrhythmias. Three factors are important for the occurrence of reentry. 1) Low conduction velocity around an area with delayed repolarization; 2) the dimensions of such an area; 3) the extent of dispersion in repolarization between the two areas.

Dispersion in ventricular repolarization in the human

Ventricular repolarization components on the surface electrocardiogram (ECG) include J (Osborn) waves, ST-segments, and T- and U-waves, which dynamically change in morphology under various pathophysiologic conditions and play an important role in the development of ventricular arrhythmias.

Ventricular repolarization components on the

Multiple regression analysis indicated that HbA1c and systolic BP were independent determinants of both QT

dispersion and Tpeak-Tend, indices of heterogeneity in ventricular repolarization (Table 2). On the other hand, neither QT dispersion nor Tpeak-Tend in type 2 diabetes was correlated with duration of diabetes (Figure 2).

Does glycemic control reverse dispersion of ventricular

QT dispersion (QTd) from the 12-lead ECG has been proposed as a non-invasive measure of dispersion of ventricular repolarization time and of arrhythmia risk . However, the theoretical basis of QT interval dispersion and its association with dispersion of repolarization are poorly understood.

Dispersion of ventricular repolarization and refractory

Our intent was directed purely at the mechanistic aspects of VF induction and termination, and to demonstrate and extend for the humanheart data derived from our earlier experimental studies , namely, that induction of functional reentry (i.e., VF) is facilitated by dispersion of repolarization with its attendant dispersion of refractoriness.

Dispersion of repolarization during induction and

More recently, a new marker has been proposed: the dispersion of ventricular repolarization (DVR), usually measured as the difference between the maximal and minimal QT intervals across the 12 leads of the conventional electrocardiogram (ECG) and named QT dispersion.

Dispersion of ventricular repolarization in hypertrophic

Dispersion of ventricular repolarization is a measure of nonhomogeneous recovery of excitability. It is usually expressed as the difference or the range of the various repolarization measurements obtained from a heart. The value of this measure has been shown by several experimental studies ...

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