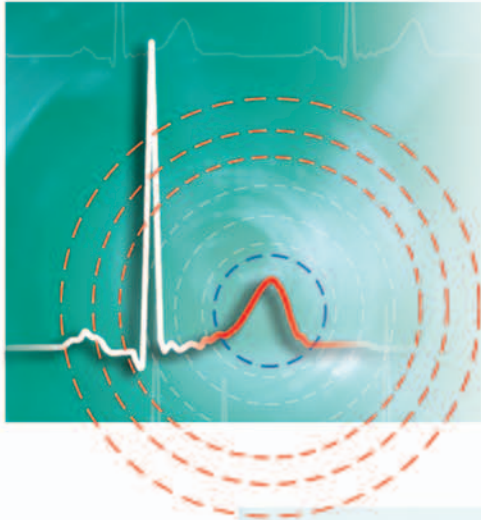


# T Variability



## The new SCD risk stratification as simple as a Holter recording

*At the forefront of Holter monitoring: ELA Medical launches the innovative time-domain T Wave Variability method based on Holter recordings. Ventricular repolarization abnormalities are of critical importance in the genesis of malignant Ventricular Arrhythmias.*

**T  
W  
V  
A  
R**

### FIRST, MAKE A HOLTER RECORDING

The method is based on high resolution XYZ recordings obtained with the SpiderView Holter recorder. These data can be recorded as the initial part of a standard 24 hour Holter.

### SECOND, SELECT THE T WAVE PARAMETERS

Preview the signal and select the T wave parameters: time resolution , T wave windows (early, apex, end) and T to T oscillation pattern.

### THIRD, COMPUTE THE T VARIABILITY INDEX

The algorithm calculates the T Var Index, an estimator that combines the concepts of repolarization instability (alternans) and repolarization variability (variance) of the T wave.

### ■ STRATIFY YOUR PATIENTS FOR ICD IMPLANTATION

The method assesses the repolarization instability in ambulatory Holter recordings and is able to detect transient alternans and variability based on a limited number of beats.

In the ICD arm of the MADIT II population, the method revealed an increased variability of the T-wave amplitude predicting the occurrence of VT/VF events documented by ICD interrogation.

### ■ FOR INVESTIGATIONAL USE

New TVariability applications can be:

- to check the drug profile on cardiac repolarisation.
- to determine the ECG phenotype of LQTS patients.
- to look at the pathophysiology of the T wave

### COMPATIBILITY

The T Variability tool works under SyneScope V3.10 (or later version) environment. It analyses recordings made with SpiderView, Syneflash MMC and Syneflash.

*Not available in the US*



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