2.1 TCI algorithm

The threshold crossing intervals algorithm \textit{TCI} operates in the time domain. Decisions are made based on the timing of changes in the ECG signal.

A varying parameter to obtain the IROC is \textit{TCI}.

If \( N \geq 3 \), and either \( t_1 \), \( t_2 \), \( t_3 \), or \( t_4 \) are diagnosed in four or more segments, an \textit{SR} or \textit{VF} decision is taken if diagnosed in four or more segments.

The varying parameter to obtain the IROC is \textit{TCI}.

The \textit{TCI} algorithm is illustrated in the diagram below, where \( N = 2 \) and \( S \) represents the 1 second interval.