

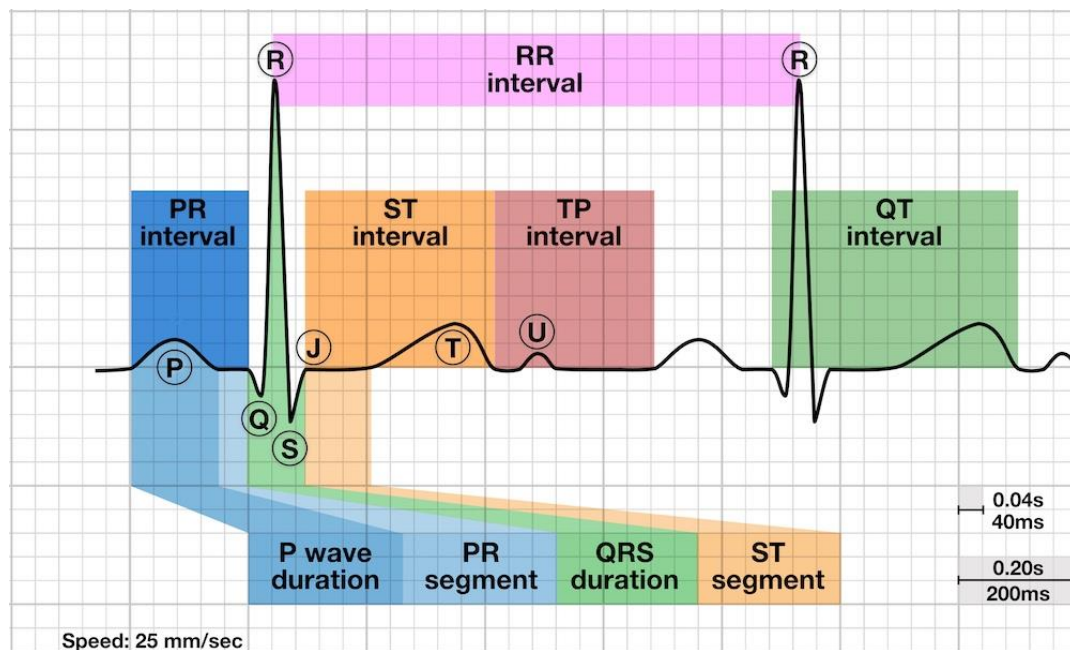
Appendix 4

Measuring the QT interval

The QT interval is measured from the start of the Q wave to the end of the T wave. The QT interval varies inversely with heart rate, increasing as the rate slows and decreasing as the rate increases. The corrected QT interval (QTc) estimates the value of QT at a standard rate of 60 beats per minute. There are a variety of methodologies for arriving at a value for QTc from an ECG at a different heart rate.

There are free smartphone applications (such as MedCalcX) and websites (such as mdcalc.com) that will generate a value for QTc from QT interval and heartrate (RR interval)

QTc is prolonged if > 450ms in men or >470ms in women



Graphic from "Life in the fast lane" blog (litfl.com)

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<https://litfl.com/qt-interval-ecg-library/>

Dr Ed Burns

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