# **Guidelines for the Management of QTc Prolongation in Adults Prescribed Antipsychotics**

### When to do an ECG:

- History of CVD, family history of CVD
- Where clinical examination reveals irregular pulse
- If patient taking certain medicines which are known to cause ECG abnormalities (e.g. erythromycin, fluconazole, tricyclic anti-depressants, methadone, domperidone, anti-arrhythmics - see BNF or https://crediblemeds.org for further information)
- The patient is on high dose antipsychotic therapy (HDAT)
- The patient has factors which may predispose to arrhythmias including:
  - hypocalcaemia, • Electrolyte abnormalities \_ hypokalaemia, hypomagnesaemia;
  - Systemic disease liver disease, renal disease, hypothyroidism.

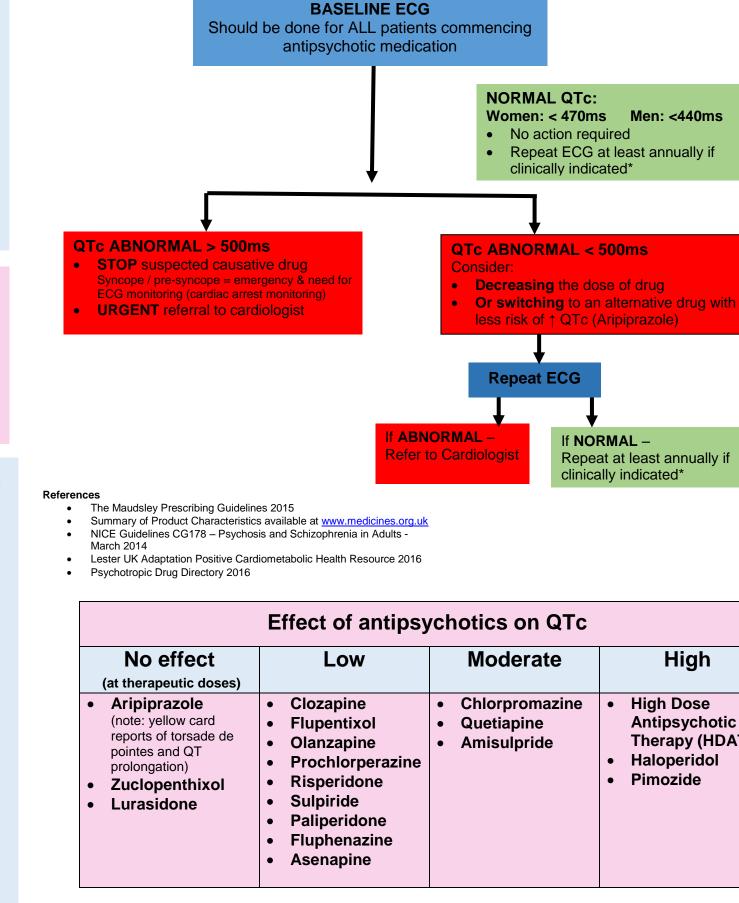
### Notes for consideration:

- Stress/anxiety can affect an ECG & it may be necessary to manage the patient's anxiety and repeat the ECG
- Electrolyte imbalances may need correcting
- Consider the risks associated with switching antipsychotics
- Patients should be warned to avoid other QTc prolonging medications (prescribed or over-the-counter types)

## For specialist cardiology advice contact your local on call cardiologist It is recommended that you have the following information prior to seeking advice:

- 1. What medications have been prescribed for the patient's mental health condition?
- What other medications is the patient taking (comprehensive list)? 2.
- 3. Has the patient experienced any faintness, near collapse or collapse episodes?
- Is the patient known to have any cardiac history / conditions? 4.
- 5. What was the patient's heart rate and QTc (rate corrected QT-interval from the automatic report at the top of the tracing) before starting therapy?
- 6. What is the patient's latest heart rate and QTc measurement?
- 7. Biochemistry results (within last two weeks): sodium, potassium, urea, creatinine, eGFR [+ magnesium level if potassium (< 3.5mm/L]; FBC results
- Do you have alternative medication options open to you if the current regime 8. needs to be changed because of excessive prolongation in the QT-interval?

#### The cardiologist will need to have a copy of the relevant ECG(s) for the discussion



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Repeat at least annually if

ychotics on QTc		
	Moderate	High
	<ul> <li>Chlorpromazine</li> <li>Quetiapine</li> <li>Amisulpride</li> </ul>	<ul> <li>High Dose Antipsychotic Therapy (HDAT)</li> <li>Haloperidol</li> <li>Pimozide</li> </ul>