

# Syndrome (LQTS)? What is Long QT

every beat and can show up on an electrocardiogram (ECG) as a chemicals, sodium and potassium, or your father. This results in the activity of your heart. This is problems with the electrical heart (the ventricles). that start in the bottom of your having abnormal heart rhythms heart can then be more at risk of normal, the long QT interval. Your measurement which is bigger than to reset itself electrically after It takes longer for your heart heart, becoming out of balance. that make the electricity in your faulty gene from your mother usually due to inheriting a LQTS is a condition that causes



#### symptoms? What are the

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the body and you stop breathing normally. It is very dangerous and symptom, is collapsing and blacking out suddenly. Occasionally resuscitation is needed. heart stops pumping blood around a cardiac arrest. This is when your In some people LQTS can cause usually no physical signs of LQTS. beats or missing beats. There are your heart seems to have extra you may feel palpitations where all. The main, and most important than others who may have none at Some people get more symptoms

### discuss in clinic Things to

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- List of any medicines you
- the QT interval should avoid that can worsen Loud noises/startle may cause
- but may need to be changed Physical activity can still continue

blackouts in some people

- Pregnancy and genetic counselling
- Contraception
- Illegal drugs and alcohol can often make long QT worse
- Counselling/support groups

#### will I need? What tests

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a small amount of your spit. amount of your blood or sometimes which can be done on a small Often genetic testing is needed which are all painless and involve monitoring and exercise ECG tests, Tests include ECGs, 24-48 hour ECG having sticky labels on your chest

in case it does show up. long QT interval doesn't yet show on your ECG, so you may need to can cause Long QT syndrome but a you may have a faulty gene that family gene isn't yet known. Or So even if you have Long QT been found in Long QT syndrome. Some genes with faults have keep going to clinic for ECG tests syndrome it may be that your

Long QT syndrome. sudden death in your family from with, especially if you have had a All of this can be difficult to cope

### will I need? What treatment

ventricular heart rhythm (from the bottom of your heart). Those blackouts/collapses, a very long QT on the ECG, girls in puberty and young adulthood and boys risk is of getting an abnormal before puberty. have had a cardiac arrest or at most risk are people who It depends on how high your

an ICD in younger children who are at higher risk. They may also have the heart, called a sympathectomy neck to treat the nerves that go to an operation on the left side of the pacemaker is a good alternative to be very protective. Sometimes a get beta blocker tablets which can an ICD is needed. You may also if you've had a cardiac arrest then If you are at high risk, especially

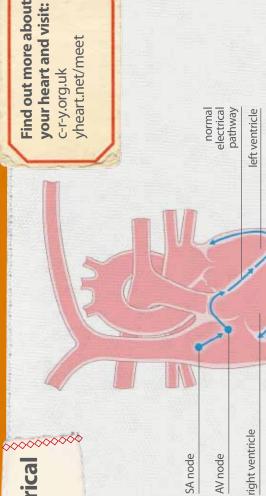
Sometimes other drugs are used. only beta blockers may be needed If you are not so high risk then

to have one. and pacemakers if you are going Please see our leaflets on ICDs

contributions to the text. Thanks to Dr Behr for

## Normal electrical pathway >>>>>>>>

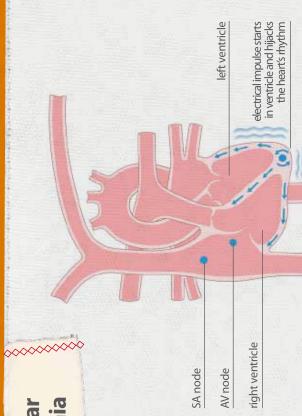
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SA node

AV node

## arrhythmia Ventricular



Registered Charity Number in England and Wales (225971) and in Scotland (SC039426) British Heart Foundation Greater London House 180 Hampstead Road London NW1 7AW Phone: 020 7554 0000 Fax: 020 7554 0100 Website: bhf.org.uk

email: cry@c-r-y.org.uk Registered Charity Number in England and Wales 1050845 Unit 7, Exposition Downs Metro Centre, Waterfield, Tadworth, Surrey KT20 5LR Phone: 01737 363 222 Fax: 01737 363 444 Website: cr-y.org.uk Cardiac Risk in the Young

QT interval

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normal QT interval

prolonged/long QT interval