Rx-Genes
Treatment Guidance at the Point of Care

Disease

Long QT syndrome 1[1, 2, 3]

Gene

KCNQ1

Inheritance	AD
Current Treatments	nadolol, propranolol, mexiletine, ranolazine, flecainide, left cardiac sympathetic denervation, implantable cardiac defibrillator (ICD)
Evidence for Treatment	guideline[4, 5]
Non-Molecular Testing Availability	yes
Non-Molecular Test	EKG[6]
ClinGen	https://actionability.clinicalgenome.org/ac/Pediatric/ui/stg2SummaryRpt?doc=AC131
Disease Frequency (per 100,000)	40[6]
Genes Included in Disease Frequency	KCNQ1, KCNH2, SCN5A
Experimental / Investigational Therapies	https://clinicaltrials.gov/ct2/results?cond=Long+QT+Syndrome&term=&cntry=&state=&city=&dist=

References

1 https://omim.org/entry/192500

2 https://pubmed.ncbi.nlm.nih.gov/34646680/

3 https://pubmed.ncbi.nlm.nih.gov/34039680/

4 https://pubmed.ncbi.nlm.nih.gov/24011539/

5 https://pubmed.ncbi.nlm.nih.gov/35936045/

6 https://www.ncbi.nlm.nih.gov/books/NBK1129/