

# CITATION REPORT

List of articles citing

Compendium of cardiac channel mutations in 541 consecutive unrelated patients referred for long QT syndrome genetic testing

DOI: 10.1016/j.hrthm.2005.01.020  
Heart Rhythm, 2005, 2, 507-17.

**Source:** <https://exaly.com/paper-pdf/39482313/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
490	.		
489	Genotype-phenotype relationships in congenital long QT syndrome. <b>2005</b> , 38, 64-8		32
488	Sudden infant death syndrome: how significant are the cardiac channelopathies?. <b>2005</b> , 67, 388-96		119
487	Targeted mutational analysis of ankyrin-B in 541 consecutive, unrelated patients referred for long QT syndrome genetic testing and 200 healthy subjects. <i>Heart Rhythm</i> , <b>2005</b> , 2, 1218-23	6.7	41
486	Functional assessment of compound mutations in the KCNQ1 and KCNH2 genes associated with long QT syndrome. <i>Heart Rhythm</i> , <b>2005</b> , 2, 1238-49	6.7	28
485	Spectrum and prevalence of cardiac ryanodine receptor (RyR2) mutations in a cohort of unrelated patients referred explicitly for long QT syndrome genetic testing. <i>Heart Rhythm</i> , <b>2005</b> , 2, 1099-105	6.7	118
484	Drug-induced torsades de pointes: the evolving role of pharmacogenetics. <i>Heart Rhythm</i> , <b>2005</b> , 2, S30-7	6.7	61
483	Human embryonic stem cells: possibilities for human cell transplantation. <b>2005</b> , 37, 521-32		37
482	Cost-effectiveness analysis of genetic testing for familial long QT syndrome in symptomatic index cases. <i>Heart Rhythm</i> , <b>2005</b> , 2, 1294-300	6.7	36
481	Skipping of Exon 1 in the KCNQ1 gene causes Jervell and Lange-Nielsen syndrome. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 35397-403	5.4	20
480	Long QT syndrome caused by a large duplication in the KCNH2 (HERG) gene undetectable by current polymerase chain reaction-based exon-scanning methodologies. <i>Heart Rhythm</i> , <b>2006</b> , 3, 52-5	6.7	55
479	Pharmacogenetic issues in thorough QT trials. <b>2006</b> , 10, 153-62		12
478	Allelic dropout in long QT syndrome genetic testing: a possible mechanism underlying false-negative results. <i>Heart Rhythm</i> , <b>2006</b> , 3, 815-21	6.7	35
477	Screening for genomic alterations in congenital long QT syndrome. <i>Heart Rhythm</i> , <b>2006</b> , 3, 56-7	6.7	2
476	Genotypic heterogeneity and phenotypic mimicry among unrelated patients referred for catecholaminergic polymorphic ventricular tachycardia genetic testing. <i>Heart Rhythm</i> , <b>2006</b> , 3, 800-5	6.7	98
475	Quantification of repolarization morphology in the long QT-syndrome in the genomic era. <i>Heart Rhythm</i> , <b>2006</b> , 3, 1467-8	6.7	
474	Effect of clinical phenotype on yield of long QT syndrome genetic testing. <b>2006</b> , 47, 764-8		149

473	Arrhythmia Predisposition. <b>2006</b> , 48, A67-A78		10
472	Association of torsades de pointes with novel and known single nucleotide polymorphisms in long QT syndrome genes. <b>2006</b> , 152, 1116-22		48
471	Most LQT2 mutations reduce Kv11.1 (hERG) current by a class 2 (trafficking-deficient) mechanism. <i>Circulation</i> , <b>2006</b> , 113, 365-73	16.7	310
470	Inherited Disorders of Ion Channels. <b>2006</b> , 381-427		5
469	The role of molecular autopsy in unexplained sudden cardiac death. <b>2006</b> , 21, 166-72		170
468	Advances in congenital long QT syndrome. <b>2006</b> , 18, 497-502		22
467	Spectrum of pathogenic mutations and associated polymorphisms in a cohort of 44 unrelated patients with long QT syndrome. <b>2006</b> , 70, 214-27		67
466	Genotype-specific ECG patterns in long QT syndrome. <b>2006</b> , 39, S101-6		38
465	Gene-specific therapy for inherited arrhythmogenic diseases. <b>2006</b> , 110, 1-13		23
464	Recombinase-mediated cassette exchange to rapidly and efficiently generate mice with human cardiac sodium channels. <b>2006</b> , 44, 556-64		18
463	Targeted therapy for short QT syndrome. <b>2006</b> , 10, 393-400		22
462	The long QT syndrome family of cardiac ion channelopathies: a HuGE review. <b>2006</b> , 8, 143-55		130
461	Mutant caveolin-3 induces persistent late sodium current and is associated with long-QT syndrome. <i>Circulation</i> , <b>2006</b> , 114, 2104-12	16.7	413
460	The N-terminal juxtamembranous domain of KCNQ1 is critical for channel surface expression: implications in the Romano-Ward LQT1 syndrome. <b>2006</b> , 99, 1076-83		54
459	Acute respiratory distress syndrome with transiently impaired left ventricular function and Torsades de Pointes arrhythmia unmasking congenital long QT syndrome in a 25-yr-old woman. <b>2006</b> , 97, 150-3		5
458	Promoting arrhythmia susceptibility. <i>Circulation</i> , <b>2006</b> , 113, 330-2	16.7	5
457	The Jervell and Lange-Nielsen syndrome: natural history, molecular basis, and clinical outcome. <i>Circulation</i> , <b>2006</b> , 113, 783-90	16.7	274
456	Epinephrine QT stress testing in the evaluation of congenital long-QT syndrome: diagnostic accuracy of the paradoxical QT response. <i>Circulation</i> , <b>2006</b> , 113, 1385-92	16.7	177

455	Role of genetic analyses in cardiology: part I: mendelian diseases: cardiac channelopathies. <i>Circulation</i> , <b>2006</b> , 113, 1130-5	16.7	79
454	Gastrointestinal symptoms in families of patients with an SCN5A-encoded cardiac channelopathy: evidence of an intestinal channelopathy. <b>2006</b> , 101, 1299-304		82
453	Congenital long QT syndromes: clinical features, molecular genetics and genetic testing. <b>2006</b> , 6, 365-74		10
452	Mechanisms of pharmacological rescue of trafficking-defective hERG mutant channels in human long QT syndrome. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 4069-74	5.4	65
451	Nonsense mutations in hERG cause a decrease in mutant mRNA transcripts by nonsense-mediated mRNA decay in human long-QT syndrome. <i>Circulation</i> , <b>2007</b> , 116, 17-24	16.7	88
450	Prevalence of long-QT syndrome gene variants in sudden infant death syndrome. <i>Circulation</i> , <b>2007</b> , 115, 361-7	16.7	395
449	Contribution of long-QT syndrome genes to sudden infant death syndrome: is it time to consider newborn electrocardiographic screening?. <i>Circulation</i> , <b>2007</b> , 115, 294-6	16.7	24
448	Hereditary long QT syndrome in pregnancy: antenatal and intrapartum management options. <b>2007</b> , 20, 419-21		2
447	SCN4B-encoded sodium channel beta4 subunit in congenital long-QT syndrome. <i>Circulation</i> , <b>2007</b> , 116, 134-42	16.7	329
446	Mutation of an A-kinase-anchoring protein causes long-QT syndrome. <b>2007</b> , 104, 20990-5		260
445	Diagnostic miscues in congenital long-QT syndrome. <i>Circulation</i> , <b>2007</b> , 115, 2613-20	16.7	165
444	Clinical aspects of type-1 long-QT syndrome by location, coding type, and biophysical function of mutations involving the KCNQ1 gene. <i>Circulation</i> , <b>2007</b> , 115, 2481-9	16.7	326
443	Genes and atrial fibrillation: a new look at an old problem. <i>Circulation</i> , <b>2007</b> , 116, 782-92	16.7	53
442	Structural insight into KCNQ (Kv7) channel assembly and channelopathy. <b>2007</b> , 53, 663-75		137
441	Genetic determinants of QT interval variation and sudden cardiac death. <b>2007</b> , 17, 213-21		24
440	KCNJ2 mutations in arrhythmia patients referred for LQT testing: a mutation T305A with novel effect on rectification properties. <i>Heart Rhythm</i> , <b>2007</b> , 4, 323-9	6.7	34
439	Cardiovascular Disease. <i>Methods in Molecular Medicine</i> , <b>2007</b> ,		1
438	Inherited arrhythmias: a National Heart, Lung, and Blood Institute and Office of Rare Diseases workshop consensus report about the diagnosis, phenotyping, molecular mechanisms, and therapeutic approaches for primary cardiomyopathies of gene mutations affecting ion channel function. <i>Circulation</i> , <b>2007</b> , 116, 2325-45	16.7	193

437	Coinheritance of long QT syndrome and Kearns-Sayre syndrome. <i>Heart Rhythm</i> , <b>2007</b> , 4, 1568-72	6.7	14
436	Long QT and Brugada syndrome gene mutations in New Zealand. <i>Heart Rhythm</i> , <b>2007</b> , 4, 1306-14	6.7	35
435	Nuevas perspectivas en el síndrome de QT largo. <b>2007</b> , 60, 675-682		4
434	Clínica y genética en el síndrome de QT largo. <b>2007</b> , 60, 739-752		41
433	New Insights Into the Long-QT Syndrome. <b>2007</b> , 60, 675-682		
432	Clinical and Genetic Characteristics of Long QT Syndrome. <b>2007</b> , 60, 739-752		1
431	Stretch-sensitive KCNQ1 mutation A link between genetic and environmental factors in the pathogenesis of atrial fibrillation?. <b>2007</b> , 49, 578-86		124
430	Postmortem long QT syndrome genetic testing for sudden unexplained death in the young. <b>2007</b> , 49, 240-6		279
429	Congenital and Acquired Heart Disease. <b>2007</b> , 165-208		
428	Mutations and SNPs of human cardiac sodium channel alpha subunit gene (SCN5A) in Japanese patients with Brugada syndrome. <b>2007</b> , 119, 49-55		1
427	Structural models for the KCNQ1 voltage-gated potassium channel. <b>2007</b> , 46, 14141-52		82
426	Molecular genetics of sudden cardiac death. <b>2008</b> , 182, 1-12		66
425	Electrocardiographic features in a patient with the coexistence of long QT syndrome and coronary vasospasm. <b>2008</b> , 31, 1065-9		4
424	Long QT Syndrome. <b>2008</b> , 33, 629-94		148
423	Coding sequence mutations identified in MYH7, TNNT2, SCN5A, CSR3, LBD3, and TCAP from 313 patients with familial or idiopathic dilated cardiomyopathy. <b>2008</b> , 1, 21-6		144
422	SCN5A channelopathies--an update on mutations and mechanisms. <b>2008</b> , 98, 120-36		114
421	Cardiac sodium channel overlap syndromes: different faces of SCN5A mutations. <b>2008</b> , 18, 78-87		151
420	Congenital long-QT syndromes: a clinical and genetic update from infancy through adulthood. <b>2008</b> , 18, 216-24		19

419	The year in review of clinical cardiac electrophysiology. <b>2008</b> , 51, 2075-81		1
418	Identification of large gene deletions and duplications in KCNQ1 and KCNH2 in patients with long QT syndrome. <i>Heart Rhythm</i> , <b>2008</b> , 5, 1275-81	6.7	70
417	Syntrophin mutation associated with long QT syndrome through activation of the nNOS-SCN5A macromolecular complex. <b>2008</b> , 105, 9355-60		262
416	A splice site mutation in hERG leads to cryptic splicing in human long QT syndrome. <b>2008</b> , 44, 502-9		18
415	The QT syndromes: long and short. <b>2008</b> , 372, 750-63		234
414	Ventricular ectopy during treadmill exercise stress testing in the evaluation of long QT syndrome. <i>Heart Rhythm</i> , <b>2008</b> , 5, 1690-4	6.7	35
413	Cardiac sodium channel (SCN5A) variants associated with atrial fibrillation. <i>Circulation</i> , <b>2008</b> , 117, 1927-36.	6.7	245
412	Sudden arrhythmic death syndrome: familial evaluation identifies inheritable heart disease in the majority of families. <b>2008</b> , 29, 1670-80		310
411	Physiological properties of hERG 1a/1b heteromeric currents and a hERG 1b-specific mutation associated with Long-QT syndrome. <b>2008</b> , 103, e81-95		102
410	A KCNE2 mutation in a patient with cardiac arrhythmia induced by auditory stimuli and serum electrolyte imbalance. <b>2008</b> , 77, 98-106		29
409	Malignant perinatal variant of long-QT syndrome caused by a profoundly dysfunctional cardiac sodium channel. <b>2008</b> , 1, 370-8		38
408	Strategy for a genetic assessment of antipsychotic and antidepressant-related proarrhythmia. <b>2008</b> , 15, 2472-517		4
407	Cardiac ion channel gene mutations in sudden infant death syndrome. <b>2008</b> , 64, 482-7		83
406	A novel mutation associated with Jervell and Lange-Nielsen syndrome in a Japanese family. <b>2008</b> , 72, 687-93		5
405	The E1784K mutation in SCN5A is associated with mixed clinical phenotype of type 3 long QT syndrome. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2219-29	15.9	155
404	Functional interactions between KCNE1 C-terminus and the KCNQ1 channel. <i>PLoS ONE</i> , <b>2009</b> , 4, e5143	3.7	35
403	Cardiomyopathic and channelopathic causes of sudden unexplained death in infants and children. <b>2009</b> , 60, 69-84		89
402	LQT1-associated mutations increase KCNQ1 proteasomal degradation independently of Derlin-1. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 5250-6	5.4	20

401	Prevalence of the congenital long-QT syndrome. <i>Circulation</i> , <b>2009</b> , 120, 1761-7	16.7	649
400	Early- and late-onset inherited erythromelalgia: genotype-phenotype correlation. <b>2009</b> , 132, 1711-22		95
399	Identification of a possible pathogenic link between congenital long QT syndrome and epilepsy. <b>2009</b> , 72, 224-31		198
398	Low incidence of sudden cardiac death in a Swedish Y111C type 1 long-QT syndrome population. <b>2009</b> , 2, 558-64		23
397	Biophysical properties of 9 KCNQ1 mutations associated with long-QT syndrome. <b>2009</b> , 2, 417-26		33
396	Novel KCNE3 mutation reduces repolarizing potassium current and associated with long QT syndrome. <b>2009</b> , 30, 557-63		28
395	The genetic basis of Brugada syndrome: a mutation update. <b>2009</b> , 30, 1256-66		128
394	The genetic basis of long QT and short QT syndromes: a mutation update. <b>2009</b> , 30, 1486-511		317
393	Risk stratification in electrical cardiomyopathies. <b>2009</b> , 34, 518-27		3
392	Contribution of long-QT syndrome genetic variants in sudden infant death syndrome. <b>2009</b> , 30, 502-9		54
391	Sudden cardiac death: The larger problem... The larger genome. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2009</b> , 20, 585-96	2.7	18
390	Mutations in conserved amino acids in the KCNQ1 channel and risk of cardiac events in type-1 long-QT syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2009</b> , 20, 859-65	2.7	30
389	Genetic polymorphism of KCNH2 confers predisposition of acquired atrial fibrillation in Chinese. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2009</b> , 20, 1158-62	2.7	6
388	HERG-F463L potassium channels linked to long QT syndrome reduce I(Kr) current by a trafficking-deficient mechanism. <b>2009</b> , 36, 822-7		10
387	Rapid, sensitive and inexpensive detection of SCN5A genetic variations by high resolution melting analysis. <b>2009</b> , 42, 491-9		26
386	Misdiagnosis of long QT syndrome as epilepsy at first presentation. <b>2009</b> , 54, 26-32		80
385	Molecular Pathology of the Cardiovascular System. <b>2009</b> , 214-240		
384	High prevalence of four long QT syndrome founder mutations in the Finnish population. <b>2009</b> , 41, 234-40		58

383 The role of CAV3 gene in channelopathies. **2009**, 2, 493-494

382 Multiple mutations in genetic cardiovascular disease: a marker of disease severity?. **2009**, 2, 182-90 119

381 Sudden infant death syndrome: do ion channels play a role?. *Heart Rhythm*, **2009**, 6, 272-8 6.7 37

380 Unique mixed phenotype and unexpected functional effect revealed by novel compound heterozygosity mutations involving SCN5A. *Heart Rhythm*, **2009**, 6, 1170-5 6.7 13

379 A KCNH2 branch point mutation causing aberrant splicing contributes to an explanation of genotype-negative long QT syndrome. *Heart Rhythm*, **2009**, 6, 212-8 6.7 29

378 Spectrum and prevalence of mutations from the first 2,500 consecutive unrelated patients referred for the FAMILION long QT syndrome genetic test. *Heart Rhythm*, **2009**, 6, 1297-303 6.7 305

377 Phenotypic overlap of cardiac sodium channelopathies: individual-specific or mutation-specific?. **2009**, 73, 810-7 42

376 Long QT testing: implications for complex diagnosis in personalized medicine. **2010**, 7, 125-127 3

375 When is genetic testing useful in patients suspected to have inherited cardiac arrhythmias?. **2010**, 25, 37-45 6

374 Recent progress in congenital long QT syndrome. **2010**, 25, 216-21 46

373 Sudden Arrhythmic Death Syndrome. **2010**,

372 Cardiac ion channel gene mutations in Greek long QT syndrome patients. **2010**, 51, 515-8 4

371 Cardiac sodium channelopathies. *Pflugers Archiv European Journal of Physiology*, **2010**, 460, 223-37 4.6 136

370 Investigating sudden unexpected death in infancy and early childhood. **2010**, 11, 219-25 13

369 LQTS gene LOVD database. **2010**, 31, E1801-10 22

368 A new approach to long QT syndrome mutation detection by Sequenom MassARRAY system. **2010**, 31, 1648-55 12

367 Expression of a common LQT1 mutation in five apparently unrelated families in a regional inherited arrhythmia clinic. *Journal of Cardiovascular Electrophysiology*, **2010**, 21, 296-300 2.7 4

366 Repolarization dynamics during exercise discriminate between LQT1 and LQT2 genotypes. *Journal of Cardiovascular Electrophysiology*, **2010**, 21, 1242-6 2.7 29



365	Pharmacodynamic effects in the cardiovascular system: the modeller's view. <b>2010</b> , 106, 243-9		21
364	An Examination of KCNE1 Mutations and Common Variants in Chronic Tinnitus. <b>2010</b> , 1, 23-37		17
363	Jervell and Lange-Nielsen syndrome: novel compound heterozygous mutations in the KCNQ1 in a Korean family. <b>2010</b> , 25, 1522-5		3
362	Sudden cardiac death in children and adolescents (excluding Sudden Infant Death Syndrome). <b>2010</b> , 3, 107-12		30
361	Mechanistic basis for LQT1 caused by S3 mutations in the KCNQ1 subunit of IKs. <i>Journal of General Physiology</i> , <b>2010</b> , 135, 433-48	3-4	23
360	Properties of WT and mutant hERG K(+) channels expressed in neonatal mouse cardiomyocytes. <b>2010</b> , 298, H1842-9		11
359	Genetics for the Electrophysiologist: Take Home Messages for the Clinician. <b>2010</b> , 2, 623-634		1
358	Long QT syndrome: a double hit hurts more. <i>Heart Rhythm</i> , <b>2010</b> , 7, 1419-20	6.7	8
357	Epidemiologic, molecular, and functional evidence suggest A572D-SCN5A should not be considered an independent LQT3-susceptibility mutation. <i>Heart Rhythm</i> , <b>2010</b> , 7, 912-9	6.7	30
356	An international compendium of mutations in the SCN5A-encoded cardiac sodium channel in patients referred for Brugada syndrome genetic testing. <i>Heart Rhythm</i> , <b>2010</b> , 7, 33-46	6.7	515
355	The rate-dependent biophysical properties of the LQT1 H258R mutant are counteracted by a dominant negative effect on channel trafficking. <b>2010</b> , 48, 1096-104		9
354	Molecular genetics of long QT syndrome. <b>2010</b> , 101, 1-8		66
353	Long QT syndrome with compound mutations is associated with a more severe phenotype: a Japanese multicenter study. <i>Heart Rhythm</i> , <b>2010</b> , 7, 1411-8	6.7	89
352	Implantable cardioverter defibrillator therapy for congenital long QT syndrome: a single-center experience. <i>Heart Rhythm</i> , <b>2010</b> , 7, 1616-22	6.7	67
351	QT prolongation in the intensive care unit: commonly used medications and the impact of drug-drug interactions. <b>2010</b> , 9, 699-712		21
350	Mutations in the cardiac L-type calcium channel associated with inherited J-wave syndromes and sudden cardiac death. <i>Heart Rhythm</i> , <b>2010</b> , 7, 1872-82	6.7	324
349	A Naïve Bayes classifier for differential diagnosis of Long QT Syndrome in children. <b>2010</b> ,		1
348	Elevated serum gastrin levels in Jervell and Lange-Nielsen syndrome: a marker of severe KCNQ1 dysfunction?. <i>Heart Rhythm</i> , <b>2011</b> , 8, 551-4	6.7	22

347	Functional characterization of the LQT2-causing mutation R582C and the associated voltage-dependent fluorescence signal. <i>Heart Rhythm</i> , <b>2011</b> , 8, 1273-80	6.7	4
346	A novel mechanism for LQT3 with 2:1 block: a pore-lining mutation in Nav1.5 significantly affects voltage-dependence of activation. <i>Heart Rhythm</i> , <b>2011</b> , 8, 770-7	6.7	18
345	The diagnostic utility of recovery phase QTc during treadmill exercise stress testing in the evaluation of long QT syndrome. <i>Heart Rhythm</i> , <b>2011</b> , 8, 1698-704	6.7	99
344	Blockade of permeation by potassium but normal gating of the G628S nonconducting hERG channel mutant. <b>2011</b> , 101, 662-70		8
343	Screening for copy number variation in genes associated with the long QT syndrome: clinical relevance. <b>2011</b> , 57, 40-7		69
342	Update 2011: clinical and genetic issues in familial dilated cardiomyopathy. <b>2011</b> , 57, 1641-9		249
341	Unexplained drownings and the cardiac channelopathies: a molecular autopsy series. <b>2011</b> , 86, 941-7		66
340	Inherited Cardiac Arrhythmia Syndromes: Role of the Sodium Channel. <b>2011</b> , 3, 93-112		
339	Heart Rate and Rhythm. <b>2011</b> ,		4
338	Genes and Cardiovascular Function. <b>2011</b> ,		1
337	Recommendations for the use of genetic testing in the clinical evaluation of inherited cardiac arrhythmias associated with sudden cardiac death: Canadian Cardiovascular Society/Canadian Heart Rhythm Society joint position paper. <b>2011</b> , 27, 232-45		108
336	Molecular Mechanisms of Voltage-Gated Na <sup>+</sup> Channel Dysfunction in LQT3 Syndrome. <b>2011</b> , 409-429		
335	5 HT(3)-receptor antagonists and cardiac repolarization time in patients expressing a novel genetic target associated with baseline QTc interval abnormalities. <b>2011</b> , 23, 297-302		6
334	Cardiac ion channel mutations in the sudden infant death syndrome. <i>International Journal of Cardiology</i> , <b>2011</b> , 152, 162-70	3.2	65
333	Inhibition of nonsense-mediated mRNA decay by antisense morpholino oligonucleotides restores functional expression of hERG nonsense and frameshift mutations in long-QT syndrome. <b>2011</b> , 50, 223-9		22
332	Genetic testing of patients with long QT syndrome. <b>2011</b> , 64, 71-4		8
331	Genetic Testing of Patients With Long QT Syndrome. <b>2011</b> , 64, 71-74		
330	Age- and sex-dependent mRNA expression of KCNQ1 and HERG in patients with long QT syndrome type 1 and 2. <b>2011</b> , 7, 941-7		11

329	LQTS-associated mutation A257G in $\beta$ -syntrophin interacts with the intragenic variant P74L to modify its biophysical phenotype. <b>2011</b> , 1,		6
328	Implantable-Cardioverter Defibrillator in Pediatric Population. <b>2011</b> ,		
327	Investigation of ion channel gene variants in patients with long QT syndrome. <b>2011</b> , 96, 172-8		1
326	The Achilles' heel of cardiovascular genetic testing: distinguishing pathogenic mutations from background genetic noise. <b>2011</b> , 90, 496-9		15
325	A dual mechanism for I(Ks) current reduction by the pathogenic mutation KCNQ1-S277L. <b>2011</b> , 34, 1652-64		14
324	Post-mortem review and genetic analysis of sudden unexpected death in epilepsy (SUDEP) cases. <b>2011</b> , 21, 201-8		105
323	Cost-effectiveness of genetic testing in family members of patients with long-QT syndrome. <b>2011</b> , 4, 76-84		18
322	hERG1a N-terminal eag domain-containing polypeptides regulate homomeric hERG1b and heteromeric hERG1a/hERG1b channels: a possible mechanism for long QT syndrome. <i>Journal of General Physiology</i> , <b>2011</b> , 138, 581-92	3-4	22
321	Genetic testing for potentially lethal, highly treatable inherited cardiomyopathies/channelopathies in clinical practice. <i>Circulation</i> , <b>2011</b> , 123, 1021-37	16.7	151
320	Edge of the world: practical considerations and a clinical perspective of next-generation sequencing for hereditary cardiac disease. <b>2011</b> , 5, 5-8		
319	Sports Cardiology Essentials. <b>2011</b> ,		1
318	KCNQ1 subdomains involved in KCNE modulation revealed by an invertebrate KCNQ1 orthologue. <i>Journal of General Physiology</i> , <b>2011</b> , 138, 521-35	3-4	13
317	Multiple splicing defects caused by hERG splice site mutation 2592+1G>A associated with long QT syndrome. <b>2011</b> , 300, H312-8		8
316	Long QT2 mutation on the Kv11.1 ion channel inhibits current activity by ablating a protein kinase C consensus site. <b>2012</b> , 82, 428-37		3
315	Fetal heart rate predictors of long QT syndrome. <i>Circulation</i> , <b>2012</b> , 126, 2688-95	16.7	51
314	A clinical approach to inherited arrhythmias. <b>2012</b> , 5, 581-90		24
313	Phylogenetic and physicochemical analyses enhance the classification of rare nonsynonymous single nucleotide variants in type 1 and 2 long-QT syndrome. <b>2012</b> , 5, 519-28		48
312	Long-QT syndrome: from genetics to management. <b>2012</b> , 5, 868-77		349

311	A mutation in TNNC1-encoded cardiac troponin C, TNNC1-A31S, predisposes to hypertrophic cardiomyopathy and ventricular fibrillation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 31845-55	5.4	38
310	Mechanism of loss of Kv11.1 K <sup>+</sup> current in mutant T421M-Kv11.1-expressing rat ventricular myocytes: interaction of trafficking and gating. <i>Circulation</i> , <b>2012</b> , 126, 2809-18	16.7	12
309	Ca <sup>2+</sup> /calmodulin-dependent protein kinase II-based regulation of voltage-gated Na <sup>+</sup> channel in cardiac disease. <i>Circulation</i> , <b>2012</b> , 126, 2084-94	16.7	92
308	Cardiac ion channelopathies and the sudden infant death syndrome. <b>2012</b> , 2012, 846171		33
307	Molecular genetics made simple. <b>2012</b> , 2012, 6		5
306	Prevalence, mutation spectrum, and cardiac phenotype of the Jervell and Lange-Nielsen syndrome in Sweden. <b>2012</b> , 14, 1799-806		23
305	Inherited long QT syndrome: clinical manifestation, genetic diagnostics, and therapy. <b>2012</b> , 23, 211-9		11
304	A case of long QT syndrome having compound mutations of and. <b>2012</b> , 6, e170-e172		1
303	The compound mutation, a model for acquire long QT syndrome. <b>2012</b> , 6, e187-e188		1
302	Early LQT2 nonsense mutation generates N-terminally truncated hERG channels with altered gating properties by the reinitiation of translation. <b>2012</b> , 53, 725-33		16
301	Intrafamilial variability for novel TAZ gene mutation: Barth syndrome with dilated cardiomyopathy and heart failure in an infant and left ventricular noncompaction in his great-uncle. <b>2012</b> , 107, 428-32		41
300	When genetic screening for your patient with long QT syndrome comes back negative, don't always take a no for a no. <i>Heart Rhythm</i> , <b>2012</b> , 9, 1983-5	6.7	
299	A422T mutation in HERG potassium channel retained in ER is rescuable by pharmacologic or molecular chaperones. <b>2012</b> , 422, 305-10		17
298	Founder mutations characterise the mutation panorama in 200 Swedish index cases referred for Long QT syndrome genetic testing. <b>2012</b> , 12, 95		21
297	Cardiac channel molecular autopsy: insights from 173 consecutive cases of autopsy-negative sudden unexplained death referred for postmortem genetic testing. <b>2012</b> , 87, 524-39		191
296	End-recovery QTc: a useful metric for assessing genetic variants of unknown significance in long-QT syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2012</b> , 23, 637-42	2.7	6
295	Updates on the inherited cardiac ion channelopathies: from cell to clinical. <b>2012</b> , 14, 473-89		3
294	Comparative analytical utility of DNA derived from alternative human specimens for molecular autopsy and diagnostics. <b>2012</b> , 14, 451-7		10

293	Repeat long QT syndrome genetic testing of phenotype-positive cases: prevalence and etiology of detection misses. <i>Heart Rhythm</i> , <b>2012</b> , 9, 1977-82	6.7	13
292	Trafficking-deficient G572R-HERG and E637K-HERG activate stress and clearance pathways in endoplasmic reticulum. <i>PLoS ONE</i> , <b>2012</b> , 7, e29885	3.7	15
291	Opposite Effects of the S4-S5 Linker and PIP(2) on Voltage-Gated Channel Function: KCNQ1/KCNE1 and Other Channels. <i>Frontiers in Pharmacology</i> , <b>2012</b> , 3, 125	5.6	22
290	Potassium-channel mutations and cardiac arrhythmias--diagnosis and therapy. <b>2012</b> , 9, 319-32		61
289	Genetic testing of inherited arrhythmias. <b>2012</b> , 33, 980-7		7
288	Risk Stratification in the Long QT Syndrome. <b>2012</b> , 4, 53-60		1
287	HERG potassium channel regulation by the N-terminal eag domain. <b>2012</b> , 24, 1592-8		33
286	Congenital long QT 3 in the pediatric population. <b>2012</b> , 109, 1459-65		22
285	Crystal structure of the ternary complex of a NaV C-terminal domain, a fibroblast growth factor homologous factor, and calmodulin. <i>Structure</i> , <b>2012</b> , 20, 1167-76	5.2	113
284	ATX-II-induced pulmonary vein arrhythmogenesis related to atrial fibrillation and long QT syndrome. <b>2012</b> , 42, 823-31		15
283	The molecular autopsy: should the evaluation continue after the funeral?. <b>2012</b> , 33, 461-70		57
282	Long QT syndrome-associated mutations in intrauterine fetal death. <b>2013</b> , 309, 1473-82		108
281	Impact of genetics on the clinical management of channelopathies. <b>2013</b> , 62, 169-180		216
280	Genetics of congenital and drug-induced long QT syndromes: current evidence and future research perspectives. <b>2013</b> , 37, 9-19		41
279	The structural mechanism of KCNH-channel regulation by the eag domain. <b>2013</b> , 501, 444-8		78
278	Where genotype is not predictive of phenotype: towards an understanding of the molecular basis of reduced penetrance in human inherited disease. <b>2013</b> , 132, 1077-130		384
277	Personalized medicine: genetic diagnosis for inherited cardiomyopathies/channelopathies. <b>2013</b> , 66, 298-307		10
276	Visual automated fluorescence electrophoresis provides simultaneous quality, quantity, and molecular weight spectra for genomic DNA from archived neonatal blood spots. <b>2013</b> , 15, 283-90		3

275	Low clinical penetrance in causal mutation carriers for cardiac channelopathies. <b>2013</b> , 66, 275-81		1
274	Baja penetrancia clínica en sujetos portadores de mutación patológica para las canalopatías cardíacas. <b>2013</b> , 66, 275-281		7
273	Instability of repolarization in LQTS mutation carriers compared to healthy control subjects assessed by vectorcardiography. <i>Heart Rhythm</i> , <b>2013</b> , 10, 1169-75	6.7	7
272	KCNE genetics and pharmacogenomics in cardiac arrhythmias: much ado about nothing?. <b>2013</b> , 6, 49-60		18
271	Family-based cardiac screening in relatives of victims of sudden arrhythmic death syndrome. <b>2013</b> , 15, 1050-8		41
270	Extracellular protons inhibit charge immobilization in the cardiac voltage-gated sodium channel. <b>2013</b> , 105, 101-7		11
269	Isogenic human pluripotent stem cell pairs reveal the role of a KCNH2 mutation in long-QT syndrome. <b>2013</b> , 32, 3161-75		145
268	Mission possible: RNA interference rescues the hERG current. <i>Heart Rhythm</i> , <b>2013</b> , 10, 137-8	6.7	4
267	Medicina personalizada: diagnóstico genético de cardiopatías/canalopatías hereditarias. <b>2013</b> , 66, 298-307		28
266	Arrhythmia phenotype during fetal life suggests long-QT syndrome genotype: risk stratification of perinatal long-QT syndrome. <b>2013</b> , 6, 946-51		45
265	RNA interference targeting E637K mutation rescues hERG channel currents and restores its kinetic properties. <i>Heart Rhythm</i> , <b>2013</b> , 10, 128-36	6.7	13
264	Malignant bileaflet mitral valve prolapse syndrome in patients with otherwise idiopathic out-of-hospital cardiac arrest. <b>2013</b> , 62, 222-230		147
263	Genotype- and phenotype-guided management of congenital long QT syndrome. <b>2013</b> , 38, 417-55		109
262	L539fs/47, a truncated mutation of human ether-a-go-go-related gene (hERG), decreases hERG ion channel currents in HEK 293 cells. <b>2013</b> , 40, 28-36		7
261	Clinical utility gene card for: long-QT syndrome (types 1-13). <i>European Journal of Human Genetics</i> , <b>2013</b> , 21,	5.3	7
260	Results of genetic testing in 855 consecutive unrelated patients referred for long QT syndrome in a clinical laboratory. <b>2013</b> , 17, 553-61		26
259	Risk of life-threatening cardiac events among patients with long QT syndrome and multiple mutations. <i>Heart Rhythm</i> , <b>2013</b> , 10, 378-82	6.7	38
258	Long QT syndrome: beyond the causal mutation. <b>2013</b> , 591, 4125-39		44

257	Digenic inheritance in medical genetics. <b>2013</b> , 50, 641-52		126
256	Structure of the C-terminal region of an ERG channel and functional implications. <b>2013</b> , 110, 11648-53		50
255	Characterization of N-terminally mutated cardiac Na(+) channels associated with long QT syndrome 3 and Brugada syndrome. <i>Frontiers in Physiology</i> , <b>2013</b> , 4, 153	4.6	9
254	An analysis of cardiomyocytes electrophysiology in the presence of the hERG gene mutations. <b>2013</b> , 9,		2
253	Arrhythmia risk in long QT syndrome: beyond the disease-causative mutation. <b>2013</b> , 6, 313-6		10
252	Genetic testing in heritable cardiac arrhythmia syndromes: differentiating pathogenic mutations from background genetic noise. <b>2013</b> , 28, 63-71		37
251	Exome sequencing and systems biology converge to identify novel mutations in the L-type calcium channel, CACNA1C, linked to autosomal dominant long QT syndrome. <b>2013</b> , 6, 279-89		80
250	Arrhythmias in athletes: evidence-based strategies and challenges for diagnosis, management, and sports eligibility. <b>2013</b> , 21, 229-38		4
249	Intracellular ATP binding is required to activate the slowly activating K+ channel I(Ks). <b>2013</b> , 110, 18922-7		30
248	Beckwith-Wiedemann syndrome and long QT syndrome due to familial-balanced translocation t(11;17)(p15.5;q21.3) involving the KCNQ1 gene. <b>2013</b> , 84, 78-81		16
247	Prevalence and potential genetic determinants of sensorineural deafness in KCNQ1 homozygosity and compound heterozygosity. <b>2013</b> , 6, 193-200		42
246	An in vivo cardiac assay to determine the functional consequences of putative long QT syndrome mutations. <b>2013</b> , 112, 826-30		28
245	Gene mutations in cardiac arrhythmias: a review of recent evidence in ion channelopathies. <b>2013</b> , 6, 1-13		20
244	Antiarrhythmic Drugs. <b>2013</b> , 426-444		0
243	Biology of the KCNQ1 Potassium Channel. <b>2014</b> , 2014, 1-26		66
242	Large deletion in KCNQ1 identified in a family with Jervell and Lange-Nielsen syndrome. <b>2014</b> , 34, 395-8		
241	Channelopathies and Heart Disease. <b>2014</b> , 95-129		1
240	Toward a hierarchy of mechanisms in CaMKII-mediated arrhythmia. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 110	5.6	12

239	Paralogue annotation identifies novel pathogenic variants in patients with Brugada syndrome and catecholaminergic polymorphic ventricular tachycardia. <b>2014</b> , 51, 35-44		31
238	Genetic characteristics of children and adolescents with long-QT syndrome diagnosed by school-based electrocardiographic screening programs. <b>2014</b> , 7, 107-12		19
237	Post-Genomic Analysis of Dysrhythmias and Sudden Death. <b>2014</b> , 563-611		
236	Position of premature termination codons determines susceptibility of hERG mutations to nonsense-mediated mRNA decay in long QT syndrome. <b>2014</b> , 539, 190-7		11
235	A590T mutation in KCNQ1 C-terminal helix D decreases IKs channel trafficking and function but not Yotiao interaction. <b>2014</b> , 72, 273-80		7
234	ABCC9 is a novel Brugada and early repolarization syndrome susceptibility gene. <i>International Journal of Cardiology</i> , <b>2014</b> , 171, 431-42	3.2	95
233	A missense mutation in the sodium channel $\alpha$ b subunit reveals SCN1B as a susceptibility gene underlying long QT syndrome. <i>Heart Rhythm</i> , <b>2014</b> , 11, 1202-9	6.7	28
232	Identification and characterization of a novel genetic mutation with prolonged QT syndrome in an unexplained postoperative death. <b>2014</b> , 128, 105-15		8
231	Clinical profile of pediatric patients with long QT syndrome masquerading as seizures. <b>2014</b> , 81, 529-35		1
230	Teaching genomic counseling: preparing the genetic counseling workforce for the genomic era. <b>2014</b> , 23, 445-51		49
229	Cardiac channelopathy testing in 274 ethnically diverse sudden unexplained deaths. <b>2014</b> , 237, 90-9		60
228	Voltage Gated Sodium Channels. <i>Handbook of Experimental Pharmacology</i> , <b>2014</b> ,	3.2	4
227	Sodium channels, cardiac arrhythmia, and therapeutic strategy. <b>2014</b> , 70, 367-92		8
226	Cardiac Sodium Channel Overlap Syndrome. <b>2014</b> , 6, 761-776		2
225	Role of Rare and Common Genetic Variation in SCN5A in Cardiac Electrical Function and Arrhythmia. <b>2014</b> , 6, 665-677		1
224	LQT1 mutations in KCNQ1 C-terminus assembly domain suppress IKs using different mechanisms. <b>2014</b> , 104, 501-11		28
223	Congenital long QT syndrome: severe torsades de pointes provoked by epinephrine in a digenic mutation carrier. <b>2014</b> , 43, 541-5		4
222	Cellular mechanisms underlying the increased disease severity seen for patients with long QT syndrome caused by compound mutations in KCNQ1. <b>2014</b> , 462, 133-42		16



221	iPCS Cell Modeling of Inherited Cardiac Arrhythmias. <b>2014</b> , 16, 331		6
220	Congenital long QT syndrome with compound mutations in the KCNH2 gene. <b>2014</b> , 29, 554-9		5
219	Phenotype, origin and estimated prevalence of a common long QT syndrome mutation: a clinical, genealogical and molecular genetics study including Swedish R518X/KCNQ1 families. <b>2014</b> , 14, 22		18
218	Mutations in Danish patients with long QT syndrome and the identification of a large founder family with p.F29L in KCNH2. <b>2014</b> , 15, 31		11
217	Exome sequencing implicates an increased burden of rare potassium channel variants in the risk of drug-induced long QT interval syndrome. <b>2014</b> , 63, 1430-7		62
216	Genetic variants for long QT syndrome among infants and children from a statewide newborn hearing screening program cohort. <b>2014</b> , 164, 590-5.e1-3		8
215	CaMKII-dependent regulation of cardiac Na(+) homeostasis. <i>Frontiers in Pharmacology</i> , <b>2014</b> , 5, 41	5.6	30
214	Modeling inherited cardiac disorders. <b>2014</b> , 78, 784-94		27
213	High prevalence of the SCN5A E1784K mutation in school children with long QT syndrome living on the Okinawa islands. <b>2014</b> , 78, 1974-9		16
212	Genetic and clinical advances in congenital long QT syndrome. <b>2014</b> , 78, 2827-33		85
211	Genetics of long QT syndrome. <b>2014</b> , 10, 29-33		96
210	Family History of Inherited Arrhythmic Disease from Family History Section. <b>2015</b> , 14, 340-1		
209	Differential thermosensitivity in mixed syndrome cardiac sodium channel mutants. <b>2015</b> , 593, 4201-23		23
208	RNA interference-based therapeutics for inherited long QT syndrome. <b>2015</b> , 10, 395-400		4
207	Cellular mechanisms of mutations in Kv7.1: auditory functions in Jervell and Lange-Nielsen syndrome vs. Romano-Ward syndrome. <b>2015</b> , 9, 32		5
206	Mutation Analysis of KCNQ1, KCNH2 and SCN5A Genes in Taiwanese Long QT Syndrome Patients. <b>2015</b> , 56, 450-3		10
205	Identification of a key residue in Kv7.1 potassium channel essential for sensing external potassium ions. <i>Journal of General Physiology</i> , <b>2015</b> , 145, 201-12	3-4	8
204	High diagnostic yield of clinical exome sequencing in Middle Eastern patients with Mendelian disorders. <b>2015</b> , 134, 967-80		127

203	Genetic purgatory and the cardiac channelopathies: Exposing the variants of uncertain/unknown significance issue. <i>Heart Rhythm</i> , <b>2015</b> , 12, 2325-31	6.7	112
202	Enhanced Classification of Brugada Syndrome-Associated and Long-QT Syndrome-Associated Genetic Variants in the SCN5A-Encoded Na(v)1.5 Cardiac Sodium Channel. <b>2015</b> , 8, 582-95		65
201	Enhancing the Predictive Power of Mutations in the C-Terminus of the KCNQ1-Encoded Kv7.1 Voltage-Gated Potassium Channel. <b>2015</b> , 8, 187-97		14
200	Third trimester fetal heart rate predicts phenotype and mutation burden in the type 1 long QT syndrome. <b>2015</b> , 8, 806-14		14
199	Revisiting the challenges of universal screening for long QT syndrome. <b>2015</b> , 48, 1053-7		3
198	A Systematic Review on the Cost-Effectiveness of Genetic and Electrocardiogram Testing for Long QT Syndrome in Infants and Young Adults. <b>2015</b> , 18, 700-8		8
197	Clinical Cardiac Electrophysiology in the Young. <b>2015</b> ,		
196	Genetic polymorphism of pharmacogenomic VIP variants in the Deng people from the Himalayas in Southeast Tibet. <b>2015</b> , 20, 275-86		4
195	[Long QT syndrome. History, genetics, clinical symptoms, causes and therapy]. <b>2015</b> , 64, 586-95		2
194	The cardiac sodium channel gene SCN5A and its gene product NaV1.5: Role in physiology and pathophysiology. <b>2015</b> , 573, 177-87		80
193	Polygenic Case of Long QT Syndrome Confirmed through Functional Characterization Informs the Interpretation of Genetic Screening Results. <b>2015</b> , 1, 201-205		2
192	Screen-based identification and validation of four new ion channels as regulators of renal ciliogenesis. <b>2015</b> , 128, 4550-9		12
191	Next-generation sequencing of 34 genes in sudden unexplained death victims in forensics and in patients with channelopathic cardiac diseases. <b>2015</b> , 129, 793-800		41
190	Postexercise recovery phase T-wave notching in concealed long QT syndrome. <b>2015</b> , 40, 153-6		13
189	Genetic analysis, in silico prediction, and family segregation in long QT syndrome. <i>European Journal of Human Genetics</i> , <b>2015</b> , 23, 79-85	5.3	12
188	A comparison of genetic findings in sudden cardiac death victims and cardiac patients: the importance of phenotypic classification. <b>2015</b> , 17, 350-7		16
187	Genotype-phenotype analysis of Jervell and Lange-Nielsen syndrome in six families from Saudi Arabia. <b>2015</b> , 87, 74-9		3
186	Genetic Susceptibility in Biochemical and Physiological Traits. <b>2016</b> , 177-217		

185	The Role of Genetic Testing in the Identification of Young Athletes with Inherited Primitive Cardiac Disorders at Risk of Exercise Sudden Death. <i>Frontiers in Cardiovascular Medicine</i> , <b>2016</b> , 3, 28	5.4	6
184	Physiological and Pathophysiological Insights of Nav1.4 and Nav1.5 Comparison. <i>Frontiers in Pharmacology</i> , <b>2015</b> , 6, 314	5.6	27
183	Complexity of Molecular Genetics in the Inherited Cardiac Arrhythmias. <b>2016</b> , 345-368		1
182	Novel long QT syndrome-associated missense mutation, L762F, in CACNA1C-encoded L-type calcium channel imparts a slower inactivation tau and increased sustained and window current. <i>International Journal of Cardiology</i> , <b>2016</b> , 220, 290-8	3.2	31
181	Transgenic rabbit models to investigate the cardiac ion channel disease long QT syndrome. <b>2016</b> , 121, 142-56		19
180	Ion channel-transporter interactions. <b>2015</b> , 51, 257-67		24
179	Pore size matters for potassium channel conductance. <i>Journal of General Physiology</i> , <b>2016</b> , 148, 277-91	3.4	20
178	Genetic investigation of 100 heart genes in sudden unexplained death victims in a forensic setting. <i>European Journal of Human Genetics</i> , <b>2016</b> , 24, 1797-1802	5.3	41
177	Calcium Revisited: New Insights Into the Molecular Basis of Long-QT Syndrome. <b>2016</b> , 9,		18
176	Postmortem genetic screening for the identification, verification, and reporting of genetic variants contributing to the sudden death of the young. <b>2016</b> , 26, 1170-7		17
175	Aggregate penetrance of genomic variants for actionable disorders in European and African Americans. <b>2016</b> , 8, 364ra151		41
174	Further Insights in the Most Common SCN5A Mutation Causing Overlapping Phenotype of Long QT Syndrome, Brugada Syndrome, and Conduction Defect. <b>2016</b> , 5,		30
173	Genotype-based clinical manifestation and treatment of Chinese long QT syndrome patients with KCNQ1 mutations - R380S and W305L. <b>2016</b> , 26, 754-63		4
172	Molecular pathogenesis of long QT syndrome type 1. <b>2016</b> , 32, 381-388		24
171	Recent advances in genetic testing and counseling for inherited arrhythmias. <b>2016</b> , 32, 389-397		24
170	Spectrum and Prevalence of CALM1-, CALM2-, and CALM3-Encoded Calmodulin Variants in Long QT Syndrome and Functional Characterization of a Novel Long QT Syndrome-Associated Calmodulin Missense Variant, E141G. <b>2016</b> , 9, 136-146		77
169	The impact of recent advances in genetics in understanding disease mechanisms underlying the long QT syndromes. <b>2016</b> , 397, 679-93		8
168	The genetics underlying acquired long QT syndrome: impact for genetic screening. <b>2016</b> , 37, 1456-64		108

167	Genetic testing and genetic counseling in patients with sudden death risk due to heritable arrhythmias. <i>Heart Rhythm</i> , <b>2016</b> , 13, 789-97	6.7	25
166	Calmodulin and Ca(2+) control of voltage gated Na(+) channels. <b>2016</b> , 10, 45-54		25
165	Diagnostic yield of molecular autopsy in patients with sudden arrhythmic death syndrome using targeted exome sequencing. <b>2016</b> , 18, 888-96		49
164	Competition of calcified calmodulin N lobe and PIP2 to an LQT mutation site in Kv7.1 channel. <b>2017</b> , 114, E869-E878		34
163	Neurological Complications of Cardiac Disease. <b>2017</b> , 24, 3-13		
162	T-Wave Morphology Analysis in Congenital Long QT Syndrome Discriminates Patients From Healthy Individuals. <i>JACC: Clinical Electrophysiology</i> , <b>2017</b> , 3, 374-381	4.6	12
161	Evaluation of Prolonged QT Interval: Structural Heart Disease Mimicking Long QT Syndrome. <b>2017</b> , 40, 417-424		4
160	Infant sudden death: Mutations responsible for impaired Nav1.5 channel trafficking and function. <b>2017</b> , 40, 703-712		14
159	Mutation Load of Multiple Ion Channel Gene Mutations in Brugada Syndrome. <b>2017</b> , 137, 256-260		14
158	Anesthesia for children with long QT syndrome: Challenges and solutions from pediatric studies. <b>2017</b> , 14, 3-8		0
157	Relevance of molecular testing in patients with a family history of sudden death. <b>2017</b> , 276, 18-23		6
156	Clinical profile and mutation spectrum of long QT syndrome in Saudi Arabia: The impact of consanguinity. <i>Heart Rhythm</i> , <b>2017</b> , 14, 1191-1199	6.7	9
155	Calcium Signaling and Cardiac Arrhythmias. <b>2017</b> , 120, 1969-1993		207
154	Precision Cardiovascular Medicine: State of Genetic Testing. <b>2017</b> , 92, 642-662		43
153	Ca-Calmodulin and PIP2 interactions at the proximal C-terminus of Kv7 channels. <b>2017</b> , 11, 686-695		20
152	Machine Learning and Rare Variant Adjudication in Type 1 Long QT Syndrome. <b>2017</b> , 10,		2
151	Differential methylation of lncRNA KCNQ1OT1 promoter polymorphism was associated with symptomatic cardiac long QT. <b>2017</b> , 9, 1049-1057		22
150	Channelopathies: Clinical Presentation and Genetics. <b>2017</b> , 37-47		

149	Identification and characterization of a novel recessive KCNQ1 mutation associated with Romano-Ward Long-QT syndrome in two Iranian families. <b>2017</b> , 50, 912-918		4
148	D242N, a K7.1 LQTS mutation uncovers a key residue for I voltage dependence. <b>2017</b> , 110, 61-69		8
147	Deep sequencing of atrial fibrillation patients with mitral valve regurgitation shows no evidence of mosaicism but reveals novel rare germline variants. <i>Heart Rhythm</i> , <b>2017</b> , 14, 1531-1538	6.7	7
146	A novel KCNQ1 nonsense variant in the isoform-specific first exon causes both jervell and Lange-Nielsen syndrome 1 and long QT syndrome 1: a case report. <b>2017</b> , 18, 66		5
145	Contribution of a KCNH2 variant in genotyped long QT syndrome: Romano-Ward syndrome under double mutations and acquired long QT syndrome under heterozygote. <b>2017</b> , 70, 74-79		5
144	Detection of clinically relevant copy-number variants by exome sequencing in a large cohort of genetic disorders. <b>2017</b> , 19, 667-675		98
143	Cardiac Ion Channel Regulation in Obesity and the Metabolic Syndrome: Relevance to Long QT Syndrome and Atrial Fibrillation. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 431	4.6	18
142	Sculpting ion channel functional expression with engineered ubiquitin ligases. <b>2017</b> , 6,		17
141	KCNQ1 Gene Variants in Large Asymptomatic Populations: Considerations for Genomic Screening of Military Cohorts. <b>2017</b> , 182, e1795-e1800		2
140	The efficacy of Ranolazine on E1784K is altered by temperature and calcium. <i>Scientific Reports</i> , <b>2018</b> , 8, 3643	4.9	7
139	Amino acid-level signal-to-noise analysis of incidentally identified variants in genes associated with long QT syndrome during pediatric whole exome sequencing reflects background genetic noise. <i>Heart Rhythm</i> , <b>2018</b> , 15, 1042-1050	6.7	11
138	The Personal Genome Project Canada: findings from whole genome sequences of the inaugural 56 participants. <b>2018</b> , 190, E126-E136		37
137	Update in Pediatric Cardiology. <b>2018</b> , 61-81		
136	The phenotype is equally important in promoting variants from benign to pathogenic as well as in demoting variants from pathogenic to benign. <i>Heart Rhythm</i> , <b>2018</b> , 15, 562-563	6.7	1
135	Exploiting ion channel structure to assess rare variant pathogenicity. <i>Heart Rhythm</i> , <b>2018</b> , 15, 890-894	6.7	1
134	Classification and Reporting of Potentially Proarrhythmic Common Genetic Variation in Long QT Syndrome Genetic Testing. <i>Circulation</i> , <b>2018</b> , 137, 619-630	16.7	43
133	Functional characterization of a novel hERG variant in a family with recurrent sudden infant death syndrome: Retracting a genetic diagnosis. <b>2018</b> , 284, 39-45		1
132	Using the genome aggregation database, computational pathogenicity prediction tools, and patch clamp heterologous expression studies to demote previously published long QT syndrome type 1 mutations from pathogenic to benign. <i>Heart Rhythm</i> , <b>2018</b> , 15, 555-561	6.7	11

131	Outcome of clinical management in relatives of sudden cardiac death victims. <i>International Journal of Cardiology</i> , <b>2018</b> , 262, 45-50	3.2	8
130	The genetic architecture of long QT syndrome: A critical reappraisal. <b>2018</b> , 28, 453-464		58
129	Unexplained cardiac arrest: a tale of conflicting interpretations of KCNQ1 genetic test results. <b>2018</b> , 107, 670-678		5
128	Sudden death: Neurogenic causes, prediction and prevention. <b>2018</b> , 25, 29-39		20
127	Influence of genetic modifiers on sudden cardiac death cases. <b>2018</b> , 132, 379-385		10
126	Molecular autopsy: using the discovery of a novel de novo pathogenic variant in the KCNH2 gene to inform healthcare of surviving family. <i>Heliyon</i> , <b>2018</b> , 4, e01015	3.6	3
125	Molecular Analysis of KCNQ1, KCNH2 and SCN5A Genes in Iranian Patients with Long QT Syndrome. <b>2018</b> , 12,		
124	Channelopathies in Heart Disease. <b>2018</b> ,		
123	Variants: Association With Cardiac Disorders. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1372	4.6	47
122	Genetic and Phenotypic Characterization of Community Hospital Patients With QT Prolongation. <b>2018</b> , 7, e009706		5
121	Long and Short QT Syndromes. <b>2018</b> , 147-185		
120	Dysfunctional Nav1.5 channels due to SCN5A mutations. <b>2018</b> , 243, 852-863		24
119	Role of genetic heart disease in sentinel sudden cardiac arrest survivors across the age spectrum. <i>International Journal of Cardiology</i> , <b>2018</b> , 270, 214-220	3.2	17
118	Genetic Testing in Athletes. <b>2018</b> , 41-74		
117	Human Induced Pluripotent Stem Cell-Derived Engineered Heart Tissue as a Sensitive Test System for QT Prolongation and Arrhythmic Triggers. <b>2018</b> , 11, e006035		50
116	The importance of preconception and prenatal genetic evaluation in heart transplant individuals and fetal and postnatal cardiac monitoring in their offspring. <b>2018</b> , 28, 1356-1358		2
115	Cardiac Ca signalling in zebrafish: Translation of findings to man. <b>2018</b> , 138, 45-58		16
114	Kcne4 deletion sex-specifically predisposes to cardiac arrhythmia via testosterone-dependent impairment of RISK/SAFE pathway induction in aged mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 8258	4.9	3

113	Functional analysis of KCNH2 gene mutations of type 2 long QT syndrome in larval zebrafish using microscopy and electrocardiography. <b>2019</b> , 34, 159-166		11
112	Primary prevention with the implantable cardioverter-defibrillator in high-risk long-QT syndrome patients. <b>2019</b> , 21, 339-346		17
111	An actionable KCNH2 Long QT Syndrome variant detected by sequence and haplotype analysis in a population research cohort. <i>Scientific Reports</i> , <b>2019</b> , 9, 10964	4.9	6
110	A Rare Case of the Digenic Inheritance of Long QT Syndrome Type 2 and Type 6. <b>2019</b> , 2019, 1384139		2
109	Specific Therapy Based on the Genotype in a Malignant Form of Long QT3, Carrying the V411M Mutation. <b>2019</b> , 60, 979-982		4
108	Characterization of a novel LQT3 variant with a selective efficacy of mexiletine treatment. <i>Scientific Reports</i> , <b>2019</b> , 9, 12997	4.9	3
107	Crystal structures of Ca-calmodulin bound to Na C-terminal regions suggest role for EF-hand domain in binding and inactivation. <b>2019</b> , 116, 10763-10772		22
106	Sudden Unexpected Death and the Mammalian Dive Response: Catastrophic Failure of a Complex Tightly Coupled System. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 97	4.6	7
105	Multiple mechanisms underlie increased cardiac late sodium current. <i>Heart Rhythm</i> , <b>2019</b> , 16, 1091-1097.7		3
104	Association of Genetic and Clinical Aspects of Congenital Long QT Syndrome With Life-Threatening Arrhythmias in Japanese Patients. <b>2019</b> , 4, 246-254		15
103	Antiarrhythmic Drugs. <b>2019</b> , 556-574		1
102	Utilization of the genome aggregation database, in silico tools, and heterologous expression patch-clamp studies to identify and demote previously published type 2 long QT syndrome: Causative variants from pathogenic to likely benign. <i>Heart Rhythm</i> , <b>2020</b> , 17, 315-323	6.7	1
101	Systematic Review of the Genetics of Sudden Unexpected Death in Epilepsy: Potential Overlap With Sudden Cardiac Death and Arrhythmia-Related Genes. <b>2020</b> , 9, e012264		35
100	Functional phenotype variations of two novel K 7.1 mutations identified in patients with Long QT syndrome. <b>2020</b> , 43, 210-216		2
99	Discovery of Digenic Mutation, KCNH2 c.1898A >C and JUP c.916dupA, in a Chinese Family with Long QT Syndrome via Whole-Exome Sequencing. <b>2020</b> , 4, 257-267		
98	Collision-Induced Unfolding Differentiates Functional Variants of the KCNQ1 Voltage Sensor Domain. <b>2020</b> , 31, 2348-2355		4
97	Genetic testing in Polynesian long QT syndrome probands reveals a lower diagnostic yield and an increased prevalence of rare variants. <i>Heart Rhythm</i> , <b>2020</b> , 17, 1304-1311	6.7	1
96	Inherited cardiac arrhythmias. <b>2020</b> , 6, 58		53

95	Low resolution protein mapping and KB-R7943 drug-protein molecular interaction analysis of long-QT syndrome linked KCNH2 mutations. <b>2020</b> , 13, 183-193		3
94	Rare Things Being Common: Implications for Common Genetic Variants in Rare Diseases Like Long-QT Syndrome. <i>Circulation</i> , <b>2020</b> , 142, 339-341	16.7	1
93	Electrophysiological characterization of the modified hERG potassium channel used to obtain the first cryo-EM hERG structure. <b>2020</b> , 8, e14568		2
92	A computational model of induced pluripotent stem-cell derived cardiomyocytes for high throughput risk stratification of KCNQ1 genetic variants. <b>2020</b> , 16, e1008109		9
91	Mutation Type and a Genetic Risk Score Associate Variably With Brugada Syndrome Phenotype in Families. <i>Circulation Genomic and Precision Medicine</i> , <b>2020</b> , 13, e002911	5.2	13
90	Targeted deubiquitination rescues distinct trafficking-deficient ion channelopathies. <i>Nature Methods</i> , <b>2020</b> , 17, 1245-1253	21.6	13
89	Genetic homozygosity in a diverse population: An experience of long QT syndrome. <i>International Journal of Cardiology</i> , <b>2020</b> , 316, 117-124	3.2	1
88	Roles for Countercharge in the Voltage Sensor Domain of Ion Channels. <i>Frontiers in Pharmacology</i> , <b>2020</b> , 11, 160	5.6	7
87	A Review of Long QT Syndrome: Everything a Hospitalist Should Know. <i>Hospital Pediatrics</i> , <b>2020</b> , 10, 369-375	3.5	2
86	Dynamic QT response to cold-water face immersion in long-QT syndrome type 3. <i>Pediatrics International</i> , <b>2020</b> , 62, 899-906	1.2	2
85	Human-induced pluripotent stem cells as models for rare cardiovascular diseases: from evidence-based medicine to precision medicine. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2021</b> , 473, 1151-1165	4.6	4
84	Ca-saturated calmodulin binds tightly to the N-terminal domain of A-type fibroblast growth factor homologous factors. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100458	5.4	2
83	Long QT syndrome - Bench to bedside. <i>Heart Rhythm O2</i> , <b>2021</b> , 2, 89-106	1.5	1
82	Long-QT founder variant T309I-Kv7.1 with dominant negative pattern may predispose delayed afterdepolarizations under adrenergic stimulation. <i>Scientific Reports</i> , <b>2021</b> , 11, 3573	4.9	0
81	Sex-Related Differences in Cardiac Channelopathies: Implications for Clinical Practice. <i>Circulation</i> , <b>2021</b> , 143, 739-752	16.7	10
80	Na1.2 EFL domain allosterically enhances Ca binding to sites I and II of WT and pathogenic calmodulin mutants bound to the channel CTD. <i>Structure</i> , <b>2021</b> , 29, 1339-1356.e7	5.2	1
79	A cryptic splice-altering KCNQ1 variant in trans with R259L leading to Jervell and Lange-Nielsen syndrome. <i>Npj Genomic Medicine</i> , <b>2021</b> , 6, 21	6.2	2
78	Clinical utility gene card for: Long-QT syndrome. <i>European Journal of Human Genetics</i> , <b>2021</b> , 29, 1825-1833	3.3	1



77	Inherited arrhythmia syndrome predisposing to sudden cardiac death. <i>Korean Journal of Internal Medicine</i> , <b>2021</b> , 36, 527-538	2.5	4
76	TNNI3 and KCNQ1 co-inherited variants in a family with hypertrophic cardiomyopathy and long QT phenotypes: A case report. <i>Molecular Genetics and Metabolism Reports</i> , <b>2021</b> , 27, 100743	1.8	0
75	E44Q mutation in Na1.7 in a patient with infantile paroxysmal knee pain: electrophysiological analysis of voltage-dependent sodium current. <i>Heliyon</i> , <b>2021</b> , 7, e07396	3.6	0
74	Estimating the Posttest Probability of Long QT Syndrome Diagnosis for Rare Variants. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , 14, e003289	5.2	0
73	Interpretation of Incidental Genetic Findings Localizing to Genes Associated With Cardiac Channelopathies and Cardiomyopathies. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , 14, e003200	5.2	2
72	Melatonin ameliorates cardiac remodelling in fructose-induced metabolic syndrome rat model by using genes encoding cardiac potassium ion channels. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 5811-5819	2.8	0
71	Molecular determinants of the modulation of the VSD-PD coupling mechanism of the KV7.1 channel by the KCNE1 ancillary subunits.		
70	Calmodulin Interactions with Voltage-Gated Sodium Channels. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
69	Molecular Mechanism of Autosomal Recessive Long QT-Syndrome 1 without Deafness. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	0
68	Role of Genetic Testing for Sudden Death Predisposing Heart Conditions in Athletes. <b>2011</b> , 85-100		2
67	Congenital Long QT Syndrome. <b>2013</b> , 439-468		4
66	Mutation Detection in Congenital Long QT Syndrome. <i>Methods in Molecular Medicine</i> , <b>2006</b> , 181-207		20
65	Cardiac Channelopathies and the Molecular Autopsy. <b>2014</b> , 899-942		1
64	Genetic Testing. <b>2008</b> , 444-458		4
63	Proton modulation of cardiac I <sub>Na</sub> : a potential arrhythmogenic trigger. <i>Handbook of Experimental Pharmacology</i> , <b>2014</b> , 221, 169-81	3.2	9
62	Structural basis of cytoplasmic NaV1.5 and NaV1.4 regulation. <i>Journal of General Physiology</i> , <b>2021</b> , 153,	3.4	7
61	Fever-induced QTc prolongation and ventricular arrhythmias in individuals with type 2 congenital long QT syndrome. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2552-61	15.9	64
60	Physiological genomics identifies genetic modifiers of long QT syndrome type 2 severity. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 1043-1056	15.9	36

59	Genetic testing for long QT syndrome and the category of cardiac ion channelopathies. <i>PLOS Currents</i> , <b>2012</b> , e4f9995f69e6c7		6
58	Changes in channel trafficking and protein stability caused by LQT2 mutations in the PAS domain of the HERG channel. <i>PLoS ONE</i> , <b>2012</b> , 7, e32654	3.7	33
57	Long QT interval in Turner syndrome--a high prevalence of LQTS gene mutations. <i>PLoS ONE</i> , <b>2013</b> , 8, e69614	3.7	23
56	The Use of Non-Variant Sites to Improve the Clinical Assessment of Whole-Genome Sequence Data. <i>PLoS ONE</i> , <b>2015</b> , 10, e0132180	3.7	10
55	Mutation in BMPR2 Promoter: A 'Second Hit' for Manifestation of Pulmonary Arterial Hypertension?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133042	3.7	20
54	Upgraded molecular models of the human KCNQ1 potassium channel. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220415	3.7	13
53	Molecular Investigations of Sudden Unexplained Deaths. <i>Academic Forensic Pathology</i> , <b>2011</b> , 1, 194-201	0.3	7
52	Practical Aspects in Genetic Testing for Cardiomyopathies and Channelopathies. <i>Clinical Biochemist Reviews</i> , <b>2019</b> , 40, 187-200	7.3	4
51	Electrophysiological Characteristics of the LQT2 Syndrome Mutation and Regulation by Accessory Protein. <i>Frontiers in Physiology</i> , <b>2016</b> , 7, 650	4.6	5
50	Long QT syndrome in South Africa: the results of comprehensive genetic screening. <i>Cardiovascular Journal of Africa</i> , <b>2013</b> , 24, 231-7	0.7	6
49	The Integrative Approach to Study of the Structure and Functions of Cardiac Voltage-Dependent Ion Channels. <i>Crystallography Reports</i> , <b>2021</b> , 66, 711-725	0.6	
48	Ca <sup>2+</sup> -dependent modulation of voltage-gated myocyte sodium channels. <i>Biochemical Society Transactions</i> , <b>2021</b> , 49, 1941-1961	5.1	1
47	Genetics of Inherited Arrhythmias. <b>2007</b> , 502-513		
46	1.???QT????????????? ?????????? Japanese Journal of Electrocardiology, <b>2010</b> , 30, 195-199	0	
45	Long QT Syndrome. <b>2011</b> , 419-440		
44	Long QT Syndrome and Other Channelopathies. <b>2011</b> , 345-370		
43	Cardiac Channelopathies and Sudden Death. <b>2010</b> ,		
42	Phenotypic Overlap of Lethal Arrhythmias Associated with Cardiac Sodium Mutations: Individual-Specific or Mutation-Specific?. <b>2011</b> , 185-196		

41	ICD Therapy in Channelopathies. <b>2011</b> , 383-392		
40	Genetics of Cardiac Arrhythmias. <b>2012</b> , 81-90		2
39	Genomics and Principles of Clinical Genetics. <b>2012</b> , 73-84		1
38	Genetic Testing. <b>2013</b> , 315-332		
37	Ventricular tachycardia and ventricular fibrillation. 226-368		
36	Inheritable Potassium Channel Disease. <b>2014</b> , 501-509		
35	Genetic Disorders of the Cardiac Impulse. <b>2015</b> , 267-295		
34	Forensic SUDEP Cluster Risk Factor Identifier Method. <b>2015</b> , 29-50		
33	Upgraded molecular models of the human KCNQ1 potassium channel.		
32	High-throughput discovery of trafficking-deficient variants in the cardiac potassium channel KCNH2: Deep mutational scan of KCNH2 trafficking.		
31	Mechanisms Underlying the Development of Cardiac Arrhythmias. <i>Contemporary Cardiology</i> , <b>2020</b> , 33-74	0.1	
30	Congenital Long-QT Syndrome: From Genetics to Clinical Management. <i>Contemporary Cardiology</i> , <b>2020</b> , 811-844	0.1	
29	The Role of METTL3-Mediated N6-Methyladenosine (m6A) of JPH2 mRNA in Cyclophosphamide-Induced Cardiotoxicity. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 763469	5.4	0
28	Congenital Long QT Syndrome. <b>2008</b> , 462-482		1
27	Identification of a Novel KCNQ1 Frameshift Mutation and Review of the Literature among Iranian Long QT Families. <i>Iranian Biomedical Journal</i> , <b>2019</b> , 23, 228-34		2
26	Targeted Next Generation Sequencing for Genetic Mutations of Dilated Cardiomyopathy. <i>Acta Cardiologica Sinica</i> , <b>2019</b> , 35, 571-584	1.1	2
25	Structural Modelling of KCNQ1 and KCNH2 Double Mutant Proteins, Identified in Two Severe Long QT Syndrome Cases, Reveals New Insights into Cardiac Channelopathies. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	0
24	Clinical Genetics of Inherited Arrhythmogenic Disease in the Pediatric Population.. <i>Biomedicines</i> , <b>2022</b> , 10,	4.8	1

23	Fenestropathy of Voltage-Gated Sodium Channels.. <i>Frontiers in Pharmacology</i> , <b>2022</b> , 13, 842645	5.6	o
22	Strategies for prevention and management of QT interval prolongation and torsades de pointes. <b>2022</b> , 303-333		
21	A Novel Role of Arrhythmia-Related Gene Revealed by Multi-Omic Analysis: Theragnostic Value and Potential Mechanisms in Lung Adenocarcinoma.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	o
20	p.Gly262AlafsTer98: A New Threatening Variant Associated with Long QT Syndrome in a Spanish Cohort.. <i>Life</i> , <b>2022</b> , 12,	3	2
19	Is there an emerging role for I in aging-related ventricular arrhythmias?. <i>Journal of Cellular Physiology</i> , <b>2021</b> ,	7	
18	Mutational Spectrum of Congenital Long QT Syndrome in Turkey; Identification of Twelve Novel Mutations Across KCNQ1, KCNH2, SCN5A, KCNJ2, CACNA1C, CALM1. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2021</b> ,	2.7	
17	Accelerating the genetic diagnosis of neurological disorders presenting with episodic apnoea in infancy.. <i>The Lancet Child and Adolescent Health</i> , <b>2022</b> ,	14.5	
16	Congenital Long QT Syndrome.. <i>JACC: Clinical Electrophysiology</i> , <b>2022</b> , 8, 687-706	4.6	o
15	From diagnostic testing to precision medicine: the evolving role of genomics in cardiac channelopathies and cardiomyopathies in children. <b>2022</b> , 76, 101978		o
14	How useful is electrocardiography in children with cochlear implantation?. <b>2022</b> , 162, 111297		o
13	Divergent regulation of KCNQ1/E1 by targeted recruitment of protein kinase A to distinct sites on the channel complex.		o
12	A CACNA1C variant associated with cardiac arrhythmias provides mechanistic insights in the calmodulation of L-type Ca <sup>2+</sup> channels. <b>2022</b> , 102632		o
11	Suppression and Replacement Gene Therapy for KCNH2 -Mediated Arrhythmias.		o
10	When the Gates Swing Open Only: Arrhythmia Mutations That Target the Fast Inactivation Gate of Nav1.5. <b>2022</b> , 11, 3714		o
9	Pharmacological rescue of specific long QT variants of KCNQ1/KCNE1 channels. 13,		o
8	Targeted deep sequencing analyses of long QT syndrome in a Japanese population. <b>2022</b> , 17, e0277242		o
7	Sex-related differences in incidence, phenotype and risk of sudden cardiac death in inherited arrhythmia syndromes. 9,		o
6	A novel stop-gain pathogenic variant in the KCNQ1 gene causing long QT syndrome 1. <b>2023</b> , 28,		o

- 5 Functional Characterization of a Spectrum of Novel Romano-Ward Syndrome KCNQ1 Variants. **2023**, 24, 1350
- 4 Clinical and functional characterisation of a recurrent KCNQ1 variant in the Belgian population. **2023**, 18,
- 3 Elucidation of ALG10B as a Novel Long-QT Syndrome Susceptibility Gene. **2023**, 16,
- 2 First report of genetic variants detected in Argentinian patients with clinical Long QT Syndrome diagnosis.
- 1 Identification of a novel pathogenic variant in KCNH2 in an Iranian family with long QT syndrome 2 by whole-exome sequencing.