

# CITATION REPORT

List of articles citing

**Spectrum and prevalence of mutations from the first 2,500 consecutive unrelated patients referred for the FAMILION long QT syndrome genetic test**

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#	Paper	IF	Citations
359	.		
358	Closer look at genetic testing in long-QT syndrome: will DNA diagnostics ever be enough?. <b>2009</b> , 120, 1745-8		16
357	Is it time to develop a "pathogenicity" score to distinguish long QT syndrome causing mutations from "background" genetic noise?. <i>Heart Rhythm</i> , <b>2009</b> , 6, 1304-5	6.7	7
356	Rescue of mutated cardiac ion channels in inherited arrhythmia syndromes. <b>2010</b> , 56, 113-22		21
355	Genetic testing in cardiovascular diseases. <b>2010</b> , 25, 243-8		11
354	HERG1 channelopathies. <b>2010</b> , 460, 265-76		63
353	Cardiac sodium channelopathies. <b>2010</b> , 460, 223-37		136
352	KvDB; mining and mapping sequence variants in voltage-gated potassium channels. <b>2010</b> , 31, 908-17		3
351	LQTS gene LOVD database. <b>2010</b> , 31, E1801-10		22
350	An Examination of KCNE1 Mutations and Common Variants in Chronic Tinnitus. <b>2010</b> , 1, 23-37		17
349	Impact of gene patents and licensing practices on access to genetic testing for long QT syndrome. <b>2010</b> , 12, S111-54		13
348	The year in arrhythmias-2009 part II. <i>Heart Rhythm</i> , <b>2010</b> , 7, 538-48	6.7	
347	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
346	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
345	Gain-of-function mutation S422L in the KCNJ8-encoded cardiac K(ATP) channel Kir6.1 as a pathogenic substrate for J-wave syndromes. <i>Heart Rhythm</i> , <b>2010</b> , 7, 1466-71	6.7	208
344	Only Connect. <i>Molecular Diagnosis and Therapy</i> , <b>2010</b> , 14, 67-72	4.5	1
343	Origin of the Swedish long QT syndrome Y111C/KCNQ1 founder mutation. <i>Heart Rhythm</i> , <b>2011</b> , 8, 541-76.7		25

342	R231C mutation in KCNQ1 causes long QT syndrome type 1 and familial atrial fibrillation. <i>Heart Rhythm</i> , <b>2011</b> , 8, 48-55	6.7	53
341	Screening for copy number variation in genes associated with the long QT syndrome: clinical relevance. <b>2011</b> , 57, 40-7		69
340	HRS/EHRA expert consensus statement on the state of genetic testing for the channelopathies and cardiomyopathies this document was developed as a partnership between the Heart Rhythm Society (HRS) and the European Heart Rhythm Association (EHRA). <i>Heart Rhythm</i> , <b>2011</b> , 8, 1308-39	6.7	737
339	Development of a high resolution melting method for the detection of genetic variations in Long QT Syndrome. <b>2011</b> , 412, 203-7		9
338	Exome sequencing of ion channel genes reveals complex profiles confounding personal risk assessment in epilepsy. <b>2011</b> , 145, 1036-48		240
337	Guidelines for genetic testing of inherited cardiac disorders. <b>2011</b> , 20, 681-7		56
336	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
335	HRS/EHRA expert consensus statement on the state of genetic testing for the channelopathies and cardiomyopathies: this document was developed as a partnership between the Heart Rhythm Society (HRS) and the European Heart Rhythm Association (EHRA). <b>2011</b> , 13, 1077-109		557
334	[Progress in cardiac electrophysiology and arrhythmias]. <b>2011</b> , 64 Suppl 1, 81-90		6
333	Sudden infant death syndrome and cardiac channelopathies: from mechanisms to prevention of avoidable tragedies. <b>2011</b> , 1,		3
332	Inherited Heart Diseases. <b>2011</b> , 295-337		
331	Recurrent and Founder Mutations in the Netherlands: the Long-QT Syndrome. <b>2011</b> , 19, 10-16		6
330	Prevalence of HCM and long QT syndrome mutations in young sudden cardiac death-related cases. <b>2011</b> , 125, 565-72		22
329	Gating-related molecular motions in the extracellular domain of the IKs channel: implications for IKs channelopathy. <b>2011</b> , 239, 137-56		20
328	Phenotypical manifestations of mutations in the genes encoding subunits of the cardiac voltage-dependent L-type calcium channel. <b>2011</b> , 108, 607-18		60
327	MOG1: a new susceptibility gene for Brugada syndrome. <b>2011</b> , 4, 261-8		124
326	Defining the disconnect between in vitro models and human arrhythmogenic disease: context matters. <b>2011</b> , 124, 993-5		4
325	The voltage-gated channel accessory protein KCNE2: multiple ion channel partners, multiple ways to long QT syndrome. <b>2011</b> , 13, e38		18

324	Genetic testing for potentially lethal, highly treatable inherited cardiomyopathies/channelopathies in clinical practice. <b>2011</b> , 123, 1021-37	151
323	The QT and corrected QT interval in recovery after exercise in children. <b>2011</b> , 4, 448-55	16
322	KCNE1 enhances phosphatidylinositol 4,5-bisphosphate (PIP2) sensitivity of IKs to modulate channel activity. <b>2011</b> , 108, 9095-100	87
321	Multiple splicing defects caused by hERG splice site mutation 2592+1G>A associated with long QT syndrome. <b>2011</b> , 300, H312-8	8
320	A presumably benign human ether-a-go-go-related gene mutation (R176W) with a malignant primary manifestation of long QT syndrome. <b>2012</b> , 22, 360-3	3
319	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
318	Long-QT syndrome: from genetics to management. <b>2012</b> , 5, 868-77	349
317	A public resource facilitating clinical use of genomes. <b>2012</b> , 109, 11920-7	154
316	Cardiac ion channelopathies and the sudden infant death syndrome. <b>2012</b> , 2012, 846171	33
315	Clinical utility of chromosomal microarray analysis. <b>2012</b> , 130, e1085-95	39
314	Prevalence, mutation spectrum, and cardiac phenotype of the Jervell and Lange-Nielsen syndrome in Sweden. <b>2012</b> , 14, 1799-806	23
313	The prevalence of mutations in KCNQ1, KCNH2, and SCN5A in an unselected national cohort of young sudden unexplained death cases. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2012</b> , 23, 1092-8	2.7 57
312	Arrhythmias: Epinephrine test for sudden cardiac death--is it too early?. <b>2012</b> , 9, 675-6	
311	Ion channel associated diseases: overview of molecular mechanisms. <b>2012</b> , 112, 6319-33	28
310	The compound mutation, a model for acquire long QT syndrome. <b>2012</b> , 6, e187-e188	1
309	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
308	Genotype-phenotype analysis of three Chinese families with Jervell and Lange-Nielsen syndrome. <b>2012</b> , 3, 67-75	5
307	High-risk long QT syndrome mutations in the Kv7.1 (KCNQ1) pore disrupt the molecular basis for rapid K(+) permeation. <b>2012</b> , 51, 9076-85	14

306	hERG K(+) channels: structure, function, and clinical significance. <b>2012</b> , 92, 1393-478	426
305	A KCNE1 missense variant (V47I) causing exercise-induced long QT syndrome (Romano Ward). <b>2012</b> , 156, e33-5	4
304	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
303	Multifocal ectopic Purkinje-related premature contractions: a new SCN5A-related cardiac channelopathy. <b>2012</b> , 60, 144-56	109
302	Impaired ion channel function related to a common KCNQ1 mutation - implications for risk stratification in long QT syndrome 1. <b>2012</b> , 511, 26-33	5
301	Concealed long QT syndrome and intractable partial epilepsy: a case report. <b>2012</b> , 87, 1128-31	9
300	Comparative analytical utility of DNA derived from alternative human specimens for molecular autopsy and diagnostics. <b>2012</b> , 14, 451-7	10
299	Prevalence of Significant Genetic Variants in Congenital Long QT Syndrome is Largely Underestimated. <b>2012</b> , 3, 72	11
298	Opposite Effects of the S4-S5 Linker and PIP(2) on Voltage-Gated Channel Function: KCNQ1/KCNE1 and Other Channels. <b>2012</b> , 3, 125	22
297	Congenital long-QT syndrome in Addison's disease: a novel association. <b>2012</b> , 33, 652-5	
296	Long QT Syndromes: Genetic Basis. <b>2012</b> , 4, 1-16	5
295	How to Interpret Results of Genetic Testing and Counsel Families. <b>2012</b> , 4, 97-101	
294	Impact of genetics on the clinical management of channelopathies. <b>2013</b> , 62, 169-180	216
293	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
292	Left cardiac sympathetic denervation in long QT syndrome: analysis of therapeutic nonresponders. <b>2013</b> , 6, 705-11	76
291	Prolongation of the QTc interval predicts appropriate implantable cardioverter-defibrillator therapies in hypertrophic cardiomyopathy. <b>2013</b> , 1, 149-55	34
290	Interpreting secondary cardiac disease variants in an exome cohort. <b>2013</b> , 6, 337-46	59
289	Conundrum of sudden cardiac death: making sense of missense. <b>2013</b> , 6, e58-63	2

288	Novel deletion mutation in the cardiac sodium channel inactivation gate causes long QT syndrome. <b>2013</b> , 165, 362-5		7
287	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
286	An adolescent with possible arrhythmogenic right ventricular dysplasia and long QT syndrome: evaluation and management. <b>2013</b> , 18, 75-8		
285	Iron-deficiency anaemia, gastric hyperplasia, and elevated gastrin levels due to potassium channel dysfunction in the Jervell and Lange-Nielsen Syndrome. <b>2013</b> , 23, 325-34		20
284	Cardiac channelopathies: genetic and molecular mechanisms. <b>2013</b> , 517, 1-11		83
283	Clinical utility gene card for: long-QT syndrome (types 1-13). <b>2013</b> , 21,		7
282	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
281	Mechanisms of Cardiac Arrhythmia. <b>2013</b> , 93-128		
280	Case records of the Massachusetts General Hospital. Case 18-2013: a 32-year-old woman with recurrent episodes of altered consciousness. <b>2013</b> , 368, 2304-12		5
279	Long QT syndrome: beyond the causal mutation. <b>2013</b> , 591, 4125-39		44
278	Characterization of 2 genetic variants of Na(v) 1.5-arginine 689 found in patients with cardiac arrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2013</b> , 24, 1037-46	2.7	8
277	Quantitative PCR as an alternative in the diagnosis of long-QT syndrome. <b>2013</b> , 2013, 418604		1
276	Pharmacological and non-pharmacological therapy for arrhythmias in the pediatric population: EHRA and AEPC-Arrhythmia Working Group joint consensus statement. <b>2013</b> , 15, 1337-82		190
275	Arrhythmia risk in long QT syndrome: beyond the disease-causative mutation. <b>2013</b> , 6, 313-6		10
274	Genetic testing in cardiovascular medicine: current landscape and future horizons. <b>2013</b> , 28, 317-25		32
273	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
272	Genetics of sudden cardiac death in children and young athletes. <b>2013</b> , 23, 159-73		17
271	Intracellular ATP binding is required to activate the slowly activating K <sup>+</sup> channel I(Ks). <b>2013</b> , 110, 18922-7		30

270	Modification by KCNE1 variants of the hERG potassium channel response to premature stimulation and to pharmacological inhibition. <b>2013</b> , 1, e00175		16
269	Molecular and genetic basis of sudden cardiac death. <b>2013</b> , 123, 75-83		54
268	The disease-specific phenotype in cardiomyocytes derived from induced pluripotent stem cells of two long QT syndrome type 3 patients. <b>2013</b> , 8, e83005		60
267	Long QT syndrome, cardiovascular anomaly and findings in ECG-guided genetic testing. <b>2014</b> , 4, 122-128		4
266	Paralogue annotation identifies novel pathogenic variants in patients with Brugada syndrome and catecholaminergic polymorphic ventricular tachycardia. <b>2014</b> , 51, 35-44		31
265	Translational toxicology and rescue strategies of the hERG channel dysfunction: biochemical and molecular mechanistic aspects. <b>2014</b> , 35, 1473-84		18
264	Genetic characteristics of children and adolescents with long-QT syndrome diagnosed by school-based electrocardiographic screening programs. <b>2014</b> , 7, 107-12		19
263	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
262	Loss-of-function of the voltage-gated sodium channel NaV1.5 (channelopathies) in patients with irritable bowel syndrome. <b>2014</b> , 146, 1659-1668		93
261	A missense mutation in the sodium channel $\beta$ subunit reveals SCN1B as a susceptibility gene underlying long QT syndrome. <i>Heart Rhythm</i> , <b>2014</b> , 11, 1202-9	6.7	28
260	Genetics of sudden cardiac death caused by ventricular arrhythmias. <b>2014</b> , 11, 96-111		52
259	Sodium channels, cardiac arrhythmia, and therapeutic strategy. <b>2014</b> , 70, 367-92		8
258	Double trouble, stick to the basics should be the rule!. <i>Heart Rhythm</i> , <b>2014</b> , 11, 2105-6	6.7	
257	The Role of the Cardiac Sodium Channel in Perinatal Early Infant Mortality. <b>2014</b> , 6, 749-759		5
256	Novel Kv7.1-phosphatidylinositol 4,5-bisphosphate interaction sites uncovered by charge neutralization scanning. <b>2014</b> , 289, 22749-22758		25
255	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
254	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
253	Next generation sequencing challenges in the analysis of cardiac sudden death due to arrhythmogenic disorders. <b>2014</b> , 35, 3111-6		17

252	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
251	Computer-Based Early Warning System for Potentially Life-Threatening QT Prolongation. <b>2014</b> , 3, e235-e244		1
250	The variant hERG/R148W associated with LQTS is a mutation that reduces current density on co-expression with the WT. <b>2014</b> , 536, 348-56		4
249	Exome analysis-based molecular autopsy in cases of sudden unexplained death in the young. <i>Heart Rhythm</i> , <b>2014</b> , 11, 655-62	6.7	101
248	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
247	The safety of modern anesthesia for children with long QT syndrome. <b>2014</b> , 119, 932-938		16
246	SCN5A mutations and polymorphisms in patients with ventricular fibrillation during acute myocardial infarction. <b>2014</b> , 10, 2039-44		11
245	Contribution of Cardiac Sodium Channel $\beta$ Subunit Variants to Brugada Syndrome. <b>2015</b> , 79, 2118-29		7
244	A Common Mutation of Long QT Syndrome Type 1 in Japan. <b>2015</b> , 79, 2026-30		13
243	Mutation Analysis of KCNQ1, KCNH2 and SCN5A Genes in Taiwanese Long QT Syndrome Patients. <b>2015</b> , 56, 450-3		10
242	Comprehensive Genetic Characterization of a Spanish Brugada Syndrome Cohort. <b>2015</b> , 10, e0132888		19
241	Next-generation sequencing for the diagnosis of cardiac arrhythmia syndromes. <i>Heart Rhythm</i> , <b>2015</b> , 12, 1062-70	6.7	23
240	CALM3 mutation associated with long QT syndrome. <i>Heart Rhythm</i> , <b>2015</b> , 12, 419-22	6.7	79
239	Bayesian models for syndrome- and gene-specific probabilities of novel variant pathogenicity. <b>2015</b> , 7, 5		19
238	Distinctive malfunctions of calmodulin mutations associated with heart RyR2-mediated arrhythmic disease. <b>2015</b> , 1850, 2168-76		22
237	Targeted next generation sequencing application in cardiac channelopathies: Analysis of a cohort of autopsy-negative sudden unexplained deaths. <b>2015</b> , 254, 5-11		25
236	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
235	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

234	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
233	Factors influencing success of clinical genome sequencing across a broad spectrum of disorders. <b>2015</b> , 47, 717-726	244
232	IKs Gain- and Loss-of-Function in Early-Onset Lone Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2015</b> , 26, 715-23	2.7 22
231	Heterogeneous Phenotype of Long QT Syndrome Caused by the KCNH2-H562R Mutation: Importance of Familial Genetic Testing. <b>2015</b> , 68, 861-8	2
230	Assessment of the predictive accuracy of five in silico prediction tools, alone or in combination, and two metaservers to classify long QT syndrome gene mutations. <b>2015</b> , 16, 34	52
229	Fenotipo heterogéneo del síndrome de QT largo causado por la mutación KCNH2-H562R: importancia del estudio genético familiar. <b>2015</b> , 68, 861-868	5
228	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
227	Screen-based identification and validation of four new ion channels as regulators of renal ciliogenesis. <b>2015</b> , 128, 4550-9	12
226	Genetic analysis, in silico prediction, and family segregation in long QT syndrome. <b>2015</b> , 23, 79-85	12
225	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
224	Reduced Uptake of Family Screening in Genotype-Negative Versus Genotype-Positive Long QT Syndrome. <b>2015</b> , 24, 558-64	8
223	Physiological and Pathophysiological Insights of Nav1.4 and Nav1.5 Comparison. <b>2015</b> , 6, 314	27
222	J Wave Syndrome-Susceptibility Mutations Versus Benign Rare Variants: How Do We Decide?. <b>2016</b> , 91-120	
221	Exome-based analysis of cardiac arrhythmia, respiratory control, and epilepsy genes in sudden unexpected death in epilepsy. <b>2016</b> , 79, 522-34	162
220	Genetic Testing for Cardiovascular Conditions Predisposing to Sudden Death. <b>2016</b> , 175-186	1
219	Cardiac sodium channel palmitoylation regulates channel availability and myocyte excitability with implications for arrhythmia generation. <b>2016</b> , 7, 12035	31
218	The KCNE Family of Ion Channel Regulatory Subunits. <b>2016</b> , 1-24	1
217	Role of Genetic Testing in Patients with Ventricular Arrhythmias in Apparently Normal Hearts. <b>2016</b> , 8, 515-23	0

216	Pore size matters for potassium channel conductance. <b>2016</b> , 148, 277-91		20
215	Genetic basis of dilated cardiomyopathy. <b>2016</b> , 224, 461-472		50
214	Genetic investigation of 100 heart genes in sudden unexplained death victims in a forensic setting. <b>2016</b> , 24, 1797-1802		41
213	Aggregate penetrance of genomic variants for actionable disorders in European and African Americans. <b>2016</b> , 8, 364ra151		41
212	KCNQ1 mutations associated with Jervell and Lange-Nielsen syndrome and autosomal recessive Romano-Ward syndrome in India-expanding the spectrum of long QT syndrome type 1. <b>2016</b> , 170, 1510-9		7
211	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
210	Clinical and genetic features of Australian families with long QT syndrome: A registry-based study. <b>2016</b> , 32, 456-461		7
209	Semiconductor Whole Exome Sequencing for the Identification of Genetic Variants in Colombian Patients Clinically Diagnosed with Long QT Syndrome. <i>Molecular Diagnosis and Therapy</i> , <b>2016</b> , 20, 353-62 <sup>4.5</sup>		0
208	Founder Mutation Genotyping and Sudden Cardiac Arrest: The Promise of Precision Medicine Fulfilled or the Next Step Into Precise Uncertainty. <b>2016</b> , 9, 107-9		1
207	Phenotype guided characterization and molecular analysis of Indian patients with long QT syndromes. <b>2016</b> , 16, 8-18		8
206	J Wave Syndromes. <b>2016</b> ,		
205	Sudden unexpected death in epilepsy genetics: Molecular diagnostics and prevention. <i>Epilepsia</i> , <b>2016</b> , 57 Suppl 1, 17-25	6.4	52
204	Common Genotypes of Long QT Syndrome in China and the Role of ECG Prediction. <b>2016</b> , 133, 73-8		11
203	Genetic Control of Potassium Channels. <b>2016</b> , 8, 285-306		5
202	Exercise restrictions for patients with inherited cardiac conditions: Current guidelines, challenges and limitations. <b>2016</b> , 209, 234-41		16
201	The impact of recent advances in genetics in understanding disease mechanisms underlying the long QT syndromes. <b>2016</b> , 397, 679-93		8
200	The role of hereditary KCNQ1 mutations in water-related death. <b>2016</b> , 130, 361-3		2
199	Patient Outcomes From a Specialized Inherited Arrhythmia Clinic. <b>2016</b> , 9, e003440		14

198	KCNE1 and KCNE3: The yin and yang of voltage-gated K(+) channel regulation. <b>2016</b> , 576, 1-13	50
197	Calmodulin and Ca(2+) control of voltage gated Na(+) channels. <b>2016</b> , 10, 45-54	25
196	Phenotype-driven molecular autopsy for sudden cardiac death. <b>2017</b> , 91, 22-29	21
195	Epilepsy-related sudden unexpected death: targeted molecular analysis of inherited heart disease genes using next-generation DNA sequencing. <b>2017</b> , 27, 292-304	29
194	Calmodulin limits pathogenic Na+ channel persistent current. <b>2017</b> , 149, 277-293	39
193	Mutation Load of Multiple Ion Channel Gene Mutations in Brugada Syndrome. <b>2017</b> , 137, 256-260	14
192	Anesthesia for children with long QT syndrome: Challenges and solutions from pediatric studies. <b>2017</b> , 14, 3-8	0
191	Relevance of molecular testing in patients with a family history of sudden death. <b>2017</b> , 276, 18-23	6
190	Systematic ajmaline challenge in patients with long QT 3 syndrome caused by the most common mutation: a multicentre study. <b>2017</b> , 19, 1723-1729	6
189	Using high-resolution variant frequencies to empower clinical genome interpretation. <b>2017</b> , 19, 1151-1158	208
188	Genotype-phenotype dilemma in a case of sudden cardiac death with the E1053K mutation and a deletion in the SCN5A gene. <b>2017</b> , 275, 187-194	10
187	Issues and Challenges in Diagnostic Sequencing for Inherited Cardiac Conditions. <b>2017</b> , 63, 116-128	6
186	Care in Specialized Centers and Data Sharing Increase Agreement in Hypertrophic Cardiomyopathy Genetic Test Interpretation. <b>2017</b> , 10,	27
185	Repeat genetic testing with targeted capture sequencing in primary arrhythmia syndrome and cardiomyopathy. <b>2017</b> , 25, 1313-1323	9
184	Clinical Yield of Familial Screening After Sudden Death in Young Subjects: The French Experience. <b>2017</b> , 10,	17
183	Inherited Heart Diseases. <b>2017</b> , 273-311	
182	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
181	D242N, a K7.1 LQTS mutation uncovers a key residue for I voltage dependence. <b>2017</b> , 110, 61-69	8

180	Loss-of-Function Variants: True Monogenic Culprits of Long-QT Syndrome or Proarrhythmic Variants Requiring Secondary Provocation?. <b>2017</b> , 10,	21
179	Cancer drugs and QT prolongation: weighing risk against benefit. <b>2017</b> , 16, 1099-1102	9
178	An Autopsy Case of Sudden Unexpected Death of a Young Adult in a Hot Bath: Molecular Analysis Using Next-Generation DNA Sequencing. <b>2017</b> , 10, 1179547617702884	4
177	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
176	Molecular Pathophysiology of Congenital Long QT Syndrome. <b>2017</b> , 97, 89-134	92
175	Regulation of KCNQ/Kv7 Family voltage-gated K channels by lipids. <b>2017</b> , 1859, 586-597	25
174	Long noncoding RNA (lincRNA), a new paradigm in gene expression control. <b>2017</b> , 17, 135-143	141
173	Considerations when using next-generation sequencing for genetic diagnosis of long-QT syndrome in the clinical testing laboratory. <b>2017</b> , 464, 128-135	5
172	Targeted Cancer Therapies and QT Interval Prolongation: Unveiling the Mechanisms Underlying Arrhythmic Complications and the Need for Risk Stratification Strategies. <b>2017</b> , 37, 121-134	7
171	Sudden death in a young patient with atrial fibrillation. <b>2017</b> , 7,	0
170	Cardiac Channelopathies and Sudden Death: Recent Clinical and Genetic Advances. <b>2017</b> , 6,	63
169	Allelic Complexity in Long QT Syndrome: A Family-Case Study. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3 2
168	"Homozygous, and compound heterozygous mutation in 3 Turkish family with Jervell and Lange-Nielsen syndrome: case reports". <b>2017</b> , 18, 114	
167	Gene-Targeted Analysis of Clinically Diagnosed Long QT Russian Families. <b>2017</b> , 58, 81-87	13
166	KCNQ1 Gene Variants in Large Asymptomatic Populations: Considerations for Genomic Screening of Military Cohorts. <b>2017</b> , 182, e1795-e1800	2
165	Yield of the Genetic Test in Suspected Catecholaminergic Polymorphic Ventricular Tachycardia and Implications for Test Interpretation. <b>2018</b> , 11, e001424	20
164	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
163	Exploiting ion channel structure to assess rare variant pathogenicity. <i>Heart Rhythm</i> , <b>2018</b> , 15, 890-894	6.7 1

162	CardioClassifier: disease- and gene-specific computational decision support for clinical genome interpretation. <b>2018</b> , 20, 1246-1254		45
161	Targeted next generation sequencing in a young population with suspected inherited malignant cardiac arrhythmias. <b>2018</b> , 26, 303-313		6
160	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
159	A New Approach to Rare Diseases of Children: The Undiagnosed Diseases Network. <b>2018</b> , 196, 291-297.e2		12
158	The long-QT syndrome and exercise practice: The never-ending debate. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2018</b> , 29, 489-496	2.7	9
157	The genetic architecture of long QT syndrome: A critical reappraisal. <b>2018</b> , 28, 453-464		58
156	The voltage-gated sodium channel EF-hands form an interaction with the III-IV linker that is disturbed by disease-causing mutations. <b>2018</b> , 8, 4483		19
155	Unexplained cardiac arrest: a tale of conflicting interpretations of KCNQ1 genetic test results. <b>2018</b> , 107, 670-678		5
154	Cardiac Genetic Predisposition in Sudden Infant Death Syndrome. <b>2018</b> , 71, 1217-1227		43
153	Mechanisms in Heritable Sodium Channel Diseases. <b>2018</b> , 473-482		
152	Inheritable Potassium Channel Diseases. <b>2018</b> , 494-503		1
151	High-Throughput Functional Evaluation of KCNQ1 Decrypts Variants of Unknown Significance. <b>2018</b> , 11, e002345		40
150	Mutational and phenotypic spectra of KCNE1 deficiency in Jervell and Lange-Nielsen Syndrome and Romano-Ward Syndrome. <b>2019</b> , 40, 162-176		18
149	Variants: Association With Cardiac Disorders. <b>2018</b> , 9, 1372		47
148	From Genotype to Phenotype. <b>2018</b> , 11, e002316		5
147	Cardiac voltage-sodium channel mutations association with primary electrical diseases: AuthorsM reply. <b>2018</b> , 20, 1707-1708		0
146	Genetic and Phenotypic Characterization of Community Hospital Patients With QT Prolongation. <b>2018</b> , 7, e009706		5
145	Role of genetic heart disease in sentinel sudden cardiac arrest survivors across the age spectrum. <b>2018</b> , 270, 214-220		17

144	New onset seizures in a patient with Long QT Syndrome (LQTS2) and a pathogenic carboxyl-terminus frameshift variant of the KCNH2 gene. <b>2018</b> , 53, 253-255		1
143	Genome Editing of Induced Pluripotent Stem Cells to Decipher Cardiac Channelopathy Variant. <b>2018</b> , 72, 62-75		61
142	Guidelines for Heart Disease Screening in Schools (JCS 2016/JSPCCS 2016) - Digest Version. <b>2018</b> , 82, 2385-2444		10
141	Role of the voltage sensor module in Na domain IV on fast inactivation in sodium channelopathies: The implication of closed-state inactivation. <b>2019</b> , 13, 331-343		11
140	A Rare Case of the Digenic Inheritance of Long QT Syndrome Type 2 and Type 6. <b>2019</b> , 2019, 1384139		2
139	Next-generation sequencing using microfluidic PCR enrichment for molecular autopsy. <b>2019</b> , 19, 174		5
138	Specific Therapy Based on the Genotype in a Malignant Form of Long QT3, Carrying the V411M Mutation. <b>2019</b> , 60, 979-982		4
137	Functional Consequences of the -p.Y1977N Mutation within the PY Ubiquitylation Motif: Discrepancy between HEK293 Cells and Transgenic Mice. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
136	Harmonizing Clinical Sequencing and Interpretation for the eMERGE III Network. <b>2019</b> , 105, 588-605		63
135	Characterization of a novel LQT3 variant with a selective efficacy of mexiletine treatment. <b>2019</b> , 9, 12997		3
134	Disease modeling of cardiac arrhythmias using human induced pluripotent stem cells. <b>2019</b> , 19, 313-333		4
133	Enhanced closed-state inactivation of mutant cardiac sodium channels (SCN5A N1541D and R1632C) through different mechanisms. <b>2019</b> , 130, 88-95		9
132	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
131	Structures of human Na <sub>v</sub> 1.7 channel in complex with auxiliary subunits and animal toxins. <b>2019</b> , 363, 1303-1308		193
130	Systematic re-evaluation of SCN5A variants associated with Brugada syndrome. <i>Journal of Cardiovascular Electrophysiology</i> , <b>2019</b> , 30, 118-127	2.7	24
129	Transcription alterations of KCNQ1 associated with imprinted methylation defects in the Beckwith-Wiedemann locus. <b>2019</b> , 21, 1808-1820		28
128	Emerging Implications of Genetic Testing in Inherited Primary Arrhythmia Syndromes. <b>2019</b> , 27, 23-33		8
127	Genetic arrhythmias complicating patients with dilated cardiomyopathy. <i>Heart Rhythm</i> , <b>2020</b> , 17, 305-318	7	4

126	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
125	Improving long QT syndrome diagnosis by a polynomial-based T-wave morphology characterization. <i>Heart Rhythm</i> , <b>2020</b> , 17, 752-758	6.7	10
124	Alterations of Nedd4-2-binding capacity in PY-motif of Na 1.5 channel underlie long QT syndrome and Brugada syndrome. <b>2020</b> , 229, e13438		3
123	Functional phenotype variations of two novel K 7.1 mutations identified in patients with Long QT syndrome. <b>2020</b> , 43, 210-216		2
122	Suppression of cardiac memory-related severe form of torsades de pointes by landiolol in a patient with congenital long QT syndrome type 2. <i>HeartRhythm Case Reports</i> , <b>2020</b> , 6, 407-410	1	0
121	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
120	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
119	Clinical Implications and Gender Differences of KCNQ1 p.Gly168Arg Pathogenic Variant in Long QT Syndrome. <b>2020</b> , 9,		0
118	Systematic Evaluation of Variant Using ACMG/AMP Guidelines and Risk Stratification in Long QT Syndrome Type 1. <b>2020</b> ,		0
117	and Long QT Syndrome in 1/45 Amish: The Road From Identification to Implementation of Culturally Appropriate Precision Medicine. <b>2020</b> , 13, e003133		2
116	Transethnic Genome-Wide Association Study Provides Insights in the Genetic Architecture and Heritability of Long QT Syndrome. <b>2020</b> , 142, 324-338		27
115	Frequency of KCNQ1 variants causing loss of methylation of Imprinting Centre 2 in Beckwith-Wiedemann syndrome. <b>2020</b> , 12, 63		5
114	Chemical modification of proteins by insertion of synthetic peptides using tandem protein trans-splicing. <b>2020</b> , 11, 2284		15
113	Genetic homozygosity in a diverse population: An experience of long QT syndrome. <b>2020</b> , 316, 117-124		1
112	High-Throughput Reclassification of SCN5A Variants. <b>2020</b> , 107, 111-123		32
111	Roles for Countercharge in the Voltage Sensor Domain of Ion Channels. <b>2020</b> , 11, 160		7
110	In silico systems for predicting chemical-induced side effects using known and potential chemical protein interactions, enabling mechanism estimation. <b>2020</b> , 45, 137-149		3
109	Palmitoylation: A Fatty Regulator of Myocardial Electrophysiology. <b>2020</b> , 11, 108		10

108	Explaining sudden infant death with cardiac arrhythmias: Complete exon sequencing of nine cardiac arrhythmia genes in Dutch SIDS cases highlights new and known DNA variants. <b>2020</b> , 46, 102266		4
107	A rare coincidence: the long QT syndrome and cardio-facio-cutaneous syndrome. <b>2020</b> , 30, 1209-1211		
106	High-throughput discovery of trafficking-deficient variants in the cardiac potassium channel K11.1. <i>Heart Rhythm</i> , <b>2020</b> , 17, 2180-2189	6.7	12
105	The Emergence of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes (hiPSC-CMs) as a Platform to Model Arrhythmogenic Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
104	Deep Mutational Scan of an Voltage Sensor. <b>2020</b> , 13, e002786		10
103	Targeted next generation sequencing revealed a novel deletion-frameshift mutation of KCNH2 gene in a Chinese Han family with long QT syndrome: A case report and review of Chinese cases. <b>2020</b> , 99, e19749		2
102	Understanding the personal and community impact of long QT syndrome: A perspective from Gitksan women. <b>2020</b> , 29, 562-573		1
101	Pseudopolymorphic Wide Complex Tachycardia in a Child With Long QT Syndrome. <b>2020</b> , 2, 591-594		
100	Structural Basis for the Modulation of Human KCNQ4 by Small-Molecule Drugs. <b>2021</b> , 81, 25-37.e4		17
99	Off-label use of chloroquine, hydroxychloroquine, azithromycin and lopinavir/ritonavir in COVID-19 risks prolonging the QT interval by targeting the hERG channel. <b>2021</b> , 893, 173813		14
98	Enhancing rare variant interpretation in inherited arrhythmias through quantitative analysis of consortium disease cohorts and population controls. <b>2021</b> , 23, 47-58		13
97	Ca-saturated calmodulin binds tightly to the N-terminal domain of A-type fibroblast growth factor homologous factors. <b>2021</b> , 296, 100458		2
96	Disease-linked supertrafficking of a potassium channel. <b>2021</b> , 296, 100423		2
95	Unusual Overlapping Cardiac Sarcoidosis and Long-QT Type 3 Induced Ventricular Fibrillation. <b>2021</b> , 60, 85-89		
94	Modulation of the IKs channel by PIP2 requires two binding sites per monomer.		0
93	Calmodulinopathy in inherited arrhythmia syndromes. <b>2021</b> , 33, 339-344		
92	Proteomic and functional mapping of cardiac NaV1.5 channel phosphorylation sites. <b>2021</b> , 153,		3
91	Long-QT founder variant T309I-Kv7.1 with dominant negative pattern may predispose delayed afterdepolarizations under adrenergic stimulation. <b>2021</b> , 11, 3573		0

90	Identifying the causes of recurrent pregnancy loss in consanguineous couples using whole exome sequencing on the products of miscarriage with no chromosomal abnormalities. <b>2021</b> , 11, 6952		3
89	Multiple arrhythmic and cardiomyopathic phenotypes associated with an SCN5A A735E mutation. <b>2021</b> , 65, 122-127		3
88	Molecular Diagnosis of Inherited Cardiac Diseases in the Era of Next-Generation Sequencing: A Single Center's Experience Over 5 Years. <i>Molecular Diagnosis and Therapy</i> , <b>2021</b> , 25, 373-385	4.5	1
87	Inherited arrhythmia syndrome predisposing to sudden cardiac death. <b>2021</b> , 36, 527-538		4
86	TNNI3 and KCNQ1 co-inherited variants in a family with hypertrophic cardiomyopathy and long QT phenotypes: A case report. <b>2021</b> , 27, 100743		0
85	Long QT-Syndrome With Torsades de Pointes Managed Considering Financial Constraints Faced by the Patient. <i>Cureus</i> , <b>2021</b> , 13, e15892	1.2	
84	Genetic variants associated with inherited cardiovascular disorders among 13,131 asymptomatic older adults of European descent. <b>2021</b> , 6, 51		3
83	Functional cross-talk between phosphorylation and disease-causing mutations in the cardiac sodium channel Na <sub>v</sub> 1.5. <b>2021</b> , 118,		2
82	Genomic Autopsy of Sudden Deaths in Young Individuals. <b>2021</b> , 6, 1247-1256		2
81	A missense KCNQ1 Mutation Impairs Insulin Secretion in Neonatal Diabetes.		0
80	Artificial Intelligence, Machine Learning and Deep Learning in Ion Channel Bioinformatics. <b>2021</b> , 11,		1
79	Long QT syndrome with potassium voltage-gated channel subfamily H member 2 gene mutation mimicking refractory epilepsy: case report. <b>2021</b> , 21, 338		1
78	Molecular determinants of the modulation of the VSD-PD coupling mechanism of the KV7.1 channel by the KCNE1 ancillary subunits.		
77	Compendium of causative genes and their encoded proteins for common monogenic disorders. <b>2021</b> ,		2
76	Calmodulin Interactions with Voltage-Gated Sodium Channels. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
75	Ligand modulation of KCNQ-encoded (K7) potassium channels in the heart and nervous system. <b>2021</b> , 906, 174278		1
74	Genetics of Adult and Fetal Forms of Long QT Syndrome. <i>Cardiac and Vascular Biology</i> , <b>2019</b> , 1-43	0.2	1
73	Structural basis of cytoplasmic NaV1.5 and NaV1.4 regulation. <b>2021</b> , 153,		7

72	Arrhythmia Mechanisms in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <b>2020</b> , 77, 300-316	5
71	Using high-resolution variant frequencies to empower clinical genome interpretation.	4
70	Functional crosstalk between phosphorylation and disease-causing mutations in the cardiac sodium channel Nav1.5.	1
69	High Throughput Functional Evaluation of KCNQ1 Decrypts Variants of Unknown Significance.	1
68	High-throughput reclassification of SCN5A variants.	0
67	Catheter ablation of ventricular fibrillation storm in a long QT syndrome genotype carrier with normal QT interval. <b>2013</b> , 54, e1-e4	9
66	Genetic testing for long QT syndrome and the category of cardiac ion channelopathies. <b>2012</b> , e4f9995f69e6c7 6	
65	Long QT interval in Turner syndrome--a high prevalence of LQTS gene mutations. <b>2013</b> , 8, e69614	23
64	Mutation in BMPR2 Promoter: A Second Hit or Manifestation of Pulmonary Arterial Hypertension?. <b>2015</b> , 10, e0133042	20
63	Upgraded molecular models of the human KCNQ1 potassium channel. <b>2019</b> , 14, e0220415	13
62	Splice Site Variants in the and Genes: Transcript Analysis as a Tool in Supporting Pathogenicity. <b>2017</b> , 9, 709-718	4
61	Long QT Syndrome Modelling with Cardiomyocytes Derived from Human-induced Pluripotent Stem Cells. <b>2019</b> , 8, 105-110	25
60	GENETIC REASONS OF SUDDEN CARDIAC DEATH. <b>2017</b> , 19, 15-22	1
59	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
58	Genetics of Cardiac Arrhythmias. <b>2012</b> , 81-90	2
57	Ion Channelopathies. <b>2012</b> , 85-97	
56	Sodium Ion Channelopathies. <b>2013</b> , 193-207	
55	Recurrent and Founder Mutations in the Netherlands: the Long-QT Syndrome*. <b>2013</b> , 13-19	

- 54 ??????. *Japanese Journal of Electrocardiology*, **2013**, 33, 193-194 0
- 53 Ventricular Tachycardiac and Sudden Arrhythmic Death. **2014**, 2971-2998
- 52 Mechanisms in Heritable Sodium Channel Diseases. **2014**, 491-500
- 51 Inheritable Potassium Channel Disease. **2014**, 501-509
- 50 CardioClassifier  Demonstrating the power of disease- and gene-specific computational decision support for clinical genome interpretation. 1
- 49 Multi-Disciplinary Management of Inherited Cardiovascular Conditions. **2018**, 817-838
- 48 Genetic Testing for Inheritable Cardiac Channelopathies. *Cardiac and Vascular Biology*, **2018**, 323-358 0.2
- 47 Harmonizing Clinical Sequencing And Interpretation For The Emerge III Network.
- 46 Upgraded molecular models of the human KCNQ1 potassium channel.
- 45 Genome sequencing for early-onset dementia: high diagnostic yield and frequent observation of multiple contributory alleles. 1
- 44 Deep Mutational Scan of a cardiac sodium channel voltage sensor. 0
- 43 Chemical modification of proteins by insertion of synthetic peptides using tandem protein trans-splicing.
- 42 High-throughput discovery of trafficking-deficient variants in the cardiac potassium channel KCNH2: Deep mutational scan of KCNH2 trafficking.
- 41 Simultaneous Catecholaminergic Polymorphic Ventricular Tachycardia and Long QT Syndrome Gene Mutations. *Cureus*, **2021**, 13, e19195 1.2
- 40 Mechanisms of Cardiac Arrhythmias. **2020**, 1-29
- 39 Disease-Linked Super-Trafficking of a Mutant Potassium Channel.
- 38 The uncertainty of causes of sudden cardiac death: the promising role of the molecular autopsy and family screening to weight scientific evidence. **2020**, 140,
- 37 Only connect: personal genomics and the future of American medicine. *Molecular Diagnosis and Therapy*, **2010**, 14, 67-72 4.5 2

36	Novel frameshift mutation in the gene responsible for Jervell and Lange-Nielsen syndrome. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2018</b> , 21, 108-111	1.8	4
35	A standardised hERG phenotyping pipeline to evaluate KCNH2 genetic variant pathogenicity. <i>Clinical and Translational Medicine</i> , <b>2021</b> , 11, e609	5.7	0
34	Mechanistic insights into the interaction of cardiac sodium channel Na1.5 with MOG1 and a new molecular mechanism for Brugada syndrome. <i>Heart Rhythm</i> , <b>2021</b> ,	6.7	2
33	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
32	A High-throughput Assay to Identify Drugs that can Treat Long QT Syndrome Caused by Trafficking-deficient K11.1 (hERG) Variants.. <i>Molecular Pharmacology</i> , <b>2022</b> ,	4.3	
31	Physiological Functions, Biophysical Properties, and Regulation of KCNQ1 (K7.1) Potassium Channels.. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1349, 335-353	3.6	1
30	Strategies for prevention and management of QT interval prolongation and torsades de pointes. <b>2022</b> , 303-333		
29	Case Report: Biventricular Noncompaction Cardiomyopathy With Pulmonary Stenosis and Bradycardia in a Fetus With KCNH2 Mutation.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 821226	4.5	0
28	Bilateral Reappearance of the N20 Potential in a Normothermic Young Woman Post-Anoxic Brain Injury.. <i>Journal of Clinical Neurophysiology</i> , <b>2022</b> ,	2.2	0
27	Novel presentation of nonsense mutation as SCN5A overlap syndrome.. <i>HeartRhythm Case Reports</i> , <b>2022</b> , 8, 209-213	1	
26	p.Gly262AlafsTer98: A New Threatening Variant Associated with Long QT Syndrome in a Spanish Cohort.. <i>Life</i> , <b>2022</b> , 12,	3	2
25	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	
24	Predicting the Functional Impact of KCNQ1 Variants with Artificial Neural Networks.		
23	Predicting the functional impact of KCNQ1 variants with artificial neural networks.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1010038	5	0
22	Rare SUDEP SCN5A variants cause changes in channel function implicating cardiac arrhythmia as a cause of death.. <i>Epilepsia</i> , <b>2022</b> ,	6.4	0
21	Association of QTc Interval and V4-S Wave With Appropriate ICD Therapy in Hypertrophic Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9,	5.4	
20	The ERG1 K+ Channel and Its Role in Neuronal Health and Disease. <i>Frontiers in Molecular Neuroscience</i> , <b>2022</b> , 15,	6.1	1
19	The Genetics and Epigenetics of Ventricular Arrhythmias in Patients Without Structural Heart Disease. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	0

18	Proactive functional classification of all possible missense single-nucleotide variants in KCNQ4. <i>Genome Research</i> , gr.276562.122	9.7	○
17	Continuous Bayesian Variant Interpretation Accounts for Incomplete Penetrance among Mendelian Cardiac Channelopathies.		
16	Genotype-Specific ECG-Based Risk Stratification Approaches in Patients With Long-QT Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	
15	The Advantages, Challenges, and Future of Human-Induced Pluripotent Stem Cell Lines in Type 2 Long QT Syndrome.		
14	Whole exome sequencing in Brugada and long QT syndromes revealed novel rare and potential pathogenic mutations related to the dysfunction of the cardiac sodium channel. <b>2022</b> , 17,		○
13	Same family, same mutation, different ECG.		○
12	Pharmacological rescue of specific long QT variants of KCNQ1/KCNE1 channels. 13,		○
11	Continuous Bayesian Variant Interpretation Accounts for Incomplete Penetrance among Mendelian Cardiac Channelopathies. <b>2022</b> ,		○
10	Modeling long QT syndrome type 2 on-a-chip via in-depth assessment of isogenic gene-edited 3D cardiac tissues. <b>2022</b> , 8,		1
9	Functional Characterization of a Spectrum of Novel Romano-Ward Syndrome KCNQ1 Variants. <b>2023</b> , 24, 1350		○
8	Modulation of the IKs channel by PIP2 requires two binding sites per monomer. <b>2023</b> , 3, 100073		○
7	Beyond gene-disease validity: capturing structured data on inheritance, allelic-requirement, disease-relevant variant classes, and disease mechanism for inherited cardiac conditions.		○
6	Clinical and functional characterisation of a recurrent KCNQ1 variant in the Belgian population. <b>2023</b> , 18,		○
5	In silico analysis of the dynamic regulation of cardiac electrophysiology by K v 11.1 ion-channel trafficking.		○
4	First report of genetic variants detected in Argentinian patients with clinical Long QT Syndrome diagnosis.		○
3	IKs Activator ML277 Mildly Affects Repolarization and Arrhythmic Outcome in the CAVB Dog Model. <b>2023</b> , 11, 1147		○
2	Identification of a novel pathogenic variant in KCNH2 in an Iranian family with long QT syndrome 2 by whole-exome sequencing.		○
1	High-throughput functional mapping of variants in an arrhythmia gene, KCNE1, reveals novel biology.		○

