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Mutations in the cardiac L-type calcium channel associated with inherited J-wave syndromes and sudden cardiac death

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367	Exercise extreme caution when calling rare genetic variants novel arrhythmia syndrome susceptibility mutations. <i>Heart Rhythm</i> , 2010 , 7, 1883-5	6.7	18
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365	Calcium Channel Dysfunction in Inherited Cardiac Arrhythmia Syndromes. 2011 , 3, 87-92		
364	Prevalence of J-point elevation in sudden arrhythmic death syndrome families. 2011 , 58, 286-90		87
363	The early repolarization pattern in the general population: clinical correlates and heritability. 2011 , 57, 2284-9		147
362	Sudden death and ion channel disease: pathophysiology and implications for management. 2011 , 97, 1365-72		38
361	Brugada syndrome. 2011 , 1,		
360	Short QT syndrome. 2011 , 1,		2
359	Genetics of sudden cardiac death syndromes. 2011 , 26, 196-203		35
358	J-wave syndromes. from cell to bedside. 2011 , 44, 656-61		40
357	Recent developments in the management of patients at risk for sudden cardiac death. 2011 , 123, 84-9	4	6
356	Electrocardiographic characteristics and SCN5A mutations in idiopathic ventricular fibrillation associated with early repolarization. 2011 , 4, 874-81		114
355	Sudden cardiac arrest without overt heart disease. 2011 , 123, 2994-3008		43
354	Phenotypical manifestations of mutations in the genes encoding subunits of the cardiac voltage-dependent L-type calcium channel. 2011 , 108, 607-18		60
353	Early repolarization pattern in competitive athletes: clinical correlates and the effects of exercise training. 2011 , 4, 432-40		102
352	A Brugada syndrome mutation (p.S216L) and its modulation by p.H558R polymorphism: standard and dynamic characterization. 2011 , 91, 606-16		41
351	Identification of a novel loss-of-function calcium channel gene mutation in short QT syndrome (SQTS6). 2011 , 32, 1077-88		148

350	Genetics of sudden death: focus on inherited channelopathies. 2011 , 32, 2109-18		90
349	Letter by hayashi et Al regarding article, "early repolarization is an independent predictor of occurrences of ventricular fibrillation in the very early phase of acute myocardial infarctions". 2012 , 5, e114; author reply e115		
348	Diagnostic dilemmas: overlapping features of brugada syndrome and arrhythmogenic right ventricular cardiomyopathy. 2012 , 3, 144		15
347	A clinical approach to inherited arrhythmias. 2012 , 5, 581-90		24
346	Childhood physical, environmental, and genetic predictors of adult hypertension: the cardiovascular risk in young Finns study. 2012 , 126, 402-9		83
345	Brugada-like syndrome in infancy presenting with rapid ventricular tachycardia and intraventricular conduction delay. 2012 , 125, 14-22		46
344	Genetics of ion-channel disorders. 2012 , 27, 242-52		30
343	A novel disease gene for Brugada syndrome: sarcolemmal membrane-associated protein gene mutations impair intracellular trafficking of hNav1.5. 2012 , 5, 1098-107		69
342	Loss-of-function sodium channel mutations in infancy: a pattern unfolds. 2012 , 125, 6-8		5
341	Response to Letter Regarding Article, Electrocardiographic Characteristics and SCN5A Mutations in Idiopathic Ventricular Fibrillation Associated With Early Repolarization 2012 , 5,		
340	Common variation in fatty acid genes and resuscitation from sudden cardiac arrest. 2012 , 5, 422-9		12
339	Cardiac ion channelopathies and the sudden infant death syndrome. 2012 , 2012, 846171		33
338	Response to Letter Regarding Article, Early Repolarization Is an Independent Predictor of Occurrences of Ventricular Fibrillation in the Very Early Phase of Acute Myocardial Infarctions 2012, 5,		
337	Current world literature. 2012, 27, 318-26		
336	Low disease prevalence and inappropriate implantable cardioverter defibrillator shock rate in Brugada syndrome: a nationwide study. 2012 , 14, 1025-9		23
335	Benign or malignant, early or delayed: the changing face of early repolarization. 2012 , 14, 5-7		10
334	Genetic, molecular and cellular mechanisms underlying the J wave syndromes. 2012 , 76, 1054-65		123
333	Early repolarization: a sword in the haystack?. <i>Heart Rhythm</i> , 2012 , 9, 1301-2	6.7	1

332	A novel rare variant in SCN1Bb linked to Brugada syndrome and SIDS by combined modulation of Na(v)1.5 and K(v)4.3 channel currents. <i>Heart Rhythm</i> , 2012 , 9, 760-9	6.7	84
331	The genetics of cardiac disease associated with sudden cardiac death: a paper from the 2011 William Beaumont Hospital Symposium on molecular pathology. 2012 , 14, 424-36		2
330	Hyperpnea test triggering malignant ventricular arrhythmia in a child with early repolarization. <i>Heart Rhythm</i> , 2012 , 9, 1153-6	6.7	7
329	Early repolarisation: controversies and clinical implications. 2012 , 98, 841-7		12
328	Sudden cardiac death and inherited channelopathy: the basic electrophysiology of the myocyte and myocardium in ion channel disease. 2012 , 98, 536-43		51
327	Brugada syndrome. 2012 , 5, 606-16		186
326	Clinical characteristics and risk of arrhythmia recurrences in patients with idiopathic ventricular fibrillation associated with early repolarization. 2012 , 159, 238-40		16
325	Sodium current and potassium transient outward current genes in Brugada syndrome: screening and bioinformatics. 2012 , 28, 196-200		19
324	Distinguishing pathogenic mutations from innocuous rare variants in gene discovery for Brugada syndrome. 2012 , 28, 160-1		1
323	Inherited calcium channelopathies in the pathophysiology of arrhythmias. 2012 , 9, 561-75		139
322	Dynamicity of the J-wave in idiopathic ventricular fibrillation with a special reference to pause-dependent augmentation of the J-wave. 2012 , 59, 1948-53		91
321	Spectrum and prevalence of mutations involving BrS1- through BrS12-susceptibility genes in a cohort of unrelated patients referred for Brugada syndrome genetic testing: implications for genetic testing. 2012 , 60, 1410-8		156
320	Molecular genetic and functional association of Brugada and early repolarization syndromes with S422L missense mutation in KCNJ8. <i>Heart Rhythm</i> , 2012 , 9, 548-55	6.7	120
319	A meta-analysis of genome-wide association studies of the electrocardiographic early repolarization pattern. <i>Heart Rhythm</i> , 2012 , 9, 1627-34	6.7	53
318	Genetic Mechanisms of Arrhythmia. 2012 , 601-623		
317	Genetic and clinical aspects of Brugada syndrome: an update. 2012 , 56, 197-208		16
316	Calcium channel auxiliary ⊞□and ြsubunits: trafficking and one step beyond. 2012 , 13, 542-55		262
315	Voltage-gated calcium channel CACNB2 (0.1) protein is required in the heart for control of cell proliferation and heart tube integrity. 2012 , 241, 648-62		21

(2013-2012)

314	Predictive model for L-type channel inhibition: multichannel block in QT prolongation risk assessment. 2012 , 32, 858-66		8
313	Ionic and cellular mechanisms underlying the development of acquired Brugada syndrome in patients treated with antidepressants. 2012 , 23, 423-32		38
312	Circadian and seasonal variations of ventricular tachyarrhythmias in patients with early repolarization syndrome and Brugada syndrome: analysis of patients with implantable cardioverter defibrillator. 2012 , 23, 757-63		35
311	Characteristics of electrocardiographic repolarization in acute myocardial infarction complicated by ventricular fibrillation. 2012 , 45, 252-9		25
310	Early repolarization: a rare primary arrhythmic syndrome and common modifier of arrhythmic risk. 2013 , 24, 837-43		3
309	Isolation and characterization of the 5⊡upstream region of the human voltage-gated Ca(2+) channel ⊉⊡1 auxiliary subunit gene: promoter analysis and regulation by transcription factor Sp1. 2013 , 465, 819-28		6
308	Genetic testing for inherited cardiac disease. 2013 , 10, 571-83		115
307	Genetic etiology and evaluation of sudden cardiac death. 2013 , 15, 389		3
306	Personalized medicine: genetic diagnosis for inherited cardiomyopathies/channelopathies. 2013 , 66, 298-307		10
305	Inheritance of early repolarization and familial malignant forms. 2013 , 61, 173-5		2
304	Genetic basis of Brugada syndrome. 2013 , 29, 71-76		4
303	Critical appraisal of the mechanism underlying J waves. 2013 , 46, 390-4		13
302	SCN5A mutation associated with ventricular fibrillation, early repolarization, and concealed myocardial abnormalities. 2013 , 165, e21-3		13
301	FGF12 is a candidate Brugada syndrome locus. <i>Heart Rhythm</i> , 2013 , 10, 1886-94 6.	7	72
300	Cellular mechanisms underlying the effects of milrinone and cilostazol to suppress arrhythmogenesis associated with Brugada syndrome. <i>Heart Rhythm</i> , 2013 , 10, 1720-7	7	44
299	J wave syndromes: molecular and cellular mechanisms. 2013 , 46, 510-8		62
298	Regulation of high-voltage-activated Ca channel function, trafficking, and membrane stability by auxiliary subunits. 2013 , 2, 207-220		20
297	High prevalence of genetic variants previously associated with Brugada syndrome in new exome data. 2013 , 84, 489-95		88

296	Optical and electrical recordings from isolated coronary-perfused ventricular wedge preparations. 2013 , 54, 53-64	40
295	Prognostic significance of early repolarization in inferolateral leads in Brugada patients with documented ventricular fibrillation: a novel risk factor for Brugada syndrome with ventricular 6.7 fibrillation. <i>Heart Rhythm</i> , 2013 , 10, 1161-8	98
294	Medicina personalizada: diagn\(\text{B}\)tico gen\(\text{E}\)ico de cardiopat\(\text{B}\)s/canalopat\(\text{B}\)s hereditarias. 2013 , 66, 298-307	28
293	Drug-induced Brugada syndrome. 2013 , 29, 88-95	6
292	What can naturally occurring mutations tell us about Ca(v)1.x channel function?. 2013, 1828, 1598-607	23
291	Do J waves constitute a syndrome?. 2013 , 46, 461-5	8
2 90	Assessment of genetic causes of cardiac arrest. 2013 , 29, 100-10	3
289	The genetics of the J wave patterns. 2013 , 46, 395-8	2
288	Arrhythmogenesis in Brugada syndrome: impact and constrains of current concepts. 2013, 167, 1760-71	6
287	Early repolarization pattern predicts cardiac death and fatal arrhythmia in patients with vasospastic angina. 2013 , 167, 1181-7	33
286	Identification of large families in early repolarization syndrome. 2013, 61, 164-72	70
285	The ₹□subunits of voltage-gated calcium channels. 2013 , 1828, 1541-9	130
284	HRS/EHRA/APHRS expert consensus statement on the diagnosis and management of patients with inherited primary arrhythmia syndromes: document endorsed by HRS, EHRA, and APHRS in May 6.7 2013 and by ACCF, AHA, PACES, and AEPC in June 2013. <i>Heart Rhythm</i> , 2013 , 10, 1932-63	1211
283	Brugada syndrome: an update. 2013 , 9, 253-71	16
282	Mechanisms of Cardiac Arrhythmia. 2013 , 93-128	
281	Genetics of cardiac electrical disease. 2013 , 29, 89-99	19
280	Electrocardiography. 2013 , 95-112	0
279	The role of ion channelopathies in sudden cardiac death: implications for clinical practice. 2013 , 45, 364-74	10

(2014-2013)

278	Similarities and differences of clinical characteristics between Brugada syndrome and early repolarization syndrome. 2013 , 29, 134-137	3
277	A heterozygous missense SCN5A mutation associated with early repolarization syndrome. 2013 , 32, 661-7	11
276	A nonsynonymous polymorphism in semaphorin 3A as a risk factor for human unexplained cardiac arrest with documented ventricular fibrillation. 2013 , 9, e1003364	28
275	The genetic component of Brugada syndrome. 2013 , 4, 179	53
274	Pharmacological and non-pharmacological therapy for arrhythmias in the pediatric population: EHRA and AEPC-Arrhythmia Working Group joint consensus statement. 2013 , 15, 1337-82	190
273	Genetic testing in heritable cardiac arrhythmia syndromes: differentiating pathogenic mutations from background genetic noise. 2013 , 28, 63-71	37
272	Characterization and mechanisms of action of novel NaV1.5 channel mutations associated with Brugada syndrome. 2013 , 6, 177-84	27
271	J wave syndromes as a cause of sudden arrhythmic death. 2013 , 3,	
270	Fibroblast growth factor homologous factors modulate cardiac calcium channels. 2013, 113, 381-8	46
269	Impaired ventricular repolarization dynamics in patients with early repolarization syndrome. 2013 , 24, 556-61	7
268	A clinical approach to early repolarization. 2013 , 127, 1620-9	30
267	L-type calcium channel mutations in Japanese patients with inherited arrhythmias. 2013 , 77, 1799-806	29
266	Role of mutations in L-type calcium channel genes in Brugada syndrome, early repolarization syndrome, and idiopathic ventricular fibrillation associated with right bundle branch block. 2013 , 77, 1689-90	4
265	Novel SCN3B mutation associated with brugada syndrome affects intracellular trafficking and function of Nav1.5. 2013 , 77, 959-67	53
264	Gene mutations in cardiac arrhythmias: a review of recent evidence in ion channelopathies. 2013, 6, 1-13	20
263	Molecular genetics and functional anomalies in a series of 248 Brugada cases with 11 mutations in the TRPM4 channel. <i>PLoS ONE</i> , 2013 , 8, e54131	96
262	A study of ECG pattern, cardiac structural abnormalities and familial tendency in patients with early repolarisation syndrome in South India. 2014 , 6, 167-71	1
261	Circadian pattern of fibrillatory events in non-Brugada-type idiopathic ventricular fibrillation with a focus on J waves. <i>Heart Rhythm</i> , 2014 , 11, 2261-6	18

260	Genomics of cardiac electrical function. 2014 , 13, 39-50	1
259	Brugada syndrome: a heterogeneous disease with a common ECG phenotype?. 2014 , 25, 450-456	18
258	Nonsense-mediated mRNA decay due to a CACNA1C splicing mutation in a patient with Brugada syndrome. <i>Heart Rhythm</i> , 2014 , 11, 629-34	20
257	Physiopathologie des canaux calciques de type L cardiaques. 2014 , 2014, 28-32	2
256	HRS/EHRA/APHRS Expert Consensus Statement on the Diagnosis and Management of Patients with Inherited Primary Arrhythmia Syndromes. 2014 , 30, 1-28	11
255	ABCC9 is a novel Brugada and early repolarization syndrome susceptibility gene. 2014 , 171, 431-42	95
254	Current perspectives in genetic cardiovascular disorders: from basic to clinical aspects. 2014 , 29, 129-41	40
253	Early repolarization pattern: its ECG characteristics, arrhythmogeneity and heritability. 2014 , 39, 185-92	13
252	Abnormal repolarization as the basis for late potentials and fractionated electrograms recorded from epicardium in experimental models of Brugada syndrome. 2014 , 63, 2037-45	84
251	Is sudden unexplained nocturnal death syndrome in Southern China a cardiac sodium channel dysfunction disorder?. 2014 , 236, 38-45	32
250	Early repolarization, acute emotional stress and sudden death. 2014 , 59, 836-40	2
249	L-type CaV1.2 calcium channels: from in vitro findings to in vivo function. 2014 , 94, 303-26	216
248	Brugada Syndrome and Nav1.5. 2014 , 6, 715-721	
247	Early repolarization syndrome: electrocardiographic signs and clinical implications. 2014 , 19, 15-22	10
246	Complex Brugada syndrome inheritance in a family harbouring compound SCN5A and CACNA1C mutations. 2014 , 109, 446	16
245	Early repolarisation and J wave syndromes. 2014 , 66, 443-52	9
244	Epidemiology, genetics, and subtyping of preserved ratio impaired spirometry (PRISm) in COPDGene. 2014 , 15, 89	109
243	Effect of the Brugada syndrome mutation A39V on calmodulin regulation of Cav1.2 channels. 2014 , 7, 34	9

(2015-2014)

242	Evolution of clinical diagnosis in patients presenting with unexplained cardiac arrest or syncope due to polymorphic ventricular tachycardia. <i>Heart Rhythm</i> , 2014 , 11, 274-81	21
241	Mechanisms underlying the development of the electrocardiographic and arrhythmic manifestations of early repolarization syndrome. 2014 , 68, 20-8	88
240	Novel heterozygous mutation c.4282G>T in the gene in a family with Brugada syndrome. Experimental and Therapeutic Medicine, 2015, 9, 1639-1645	4
239	Genetic modifiers to the PLN L39X mutation in a patient with DCM and sustained ventricular tachycardia?. 2015 , 2015, 29	3
238	Genetics of channelopathies associated with sudden cardiac death. 2015 , 2015, 39	23
237	Ion Channels in the Heart. 2015 , 5, 1423-64	93
236	Genetics of inherited primary arrhythmia disorders. 2015 , 8, 215-33	14
235	Early repolarization syndrome: A cause of sudden cardiac death. 2015 , 7, 466-75	9
234	CACNB2: An Emerging Pharmacological Target for Hypertension, Heart Failure, Arrhythmia and Mental Disorders. 2015 , 8, 32-42	24
233	Genetic Analysis of Arrhythmogenic Diseases in the Era of NGS: The Complexity of Clinical Decision-Making in Brugada Syndrome. <i>PLoS ONE</i> , 2015 , 10, e0133037	32
232	Functional characterization of CaVPI mutations associated with sudden cardiac death. 2015 , 290, 2854-69	27
231	Genetics of sudden cardiac death. 2015 , 116, 1919-36	161
230	Testing the burden of rare variation in arrhythmia-susceptibility genes provides new insights into molecular diagnosis for Brugada syndrome. 2015 , 24, 2757-63	98
229	Gain-of-function mutations in the calcium channel CACNA1C (Cav1.2) cause non-syndromic long-QT but not Timothy syndrome. 2015 , 80, 186-95	61
228	Ankyrin-2 variants associated with idiopathic ventricular fibrillation storm in patients with intermittent early repolarization pattern. 2015 , 1, 337-341	5
227	Novel Therapeutic Strategies for the Management of Ventricular Arrhythmias Associated with the Brugada Syndrome. 2015 , 3, 633-651	14
226	The perfect storm? Histiocytoid cardiomyopathy and compound CACNA2D1 and RANGRF mutation in a baby. 2015 , 25, 174-6	6
225	Sudden cardiac death. 2015 , 40, 133-200	64

224	A practical guide to early repolarization. 2015 , 30, 8-16		9
223	J-wave syndromes: Brugada and early repolarization syndromes. <i>Heart Rhythm</i> , 2015 , 12, 1852-66	6.7	90
222	Identification and Functional Characterization of a Novel CACNA1C-Mediated Cardiac Disorder Characterized by Prolonged QT Intervals With Hypertrophic Cardiomyopathy, Congenital Heart Defects, and Sudden Cardiac Death. 2015 , 8, 1122-32		54
221	The Physiology, Pathology, and Pharmacology of Voltage-Gated Calcium Channels and Their Future Therapeutic Potential. 2015 , 67, 821-70		562
220	Genetic disruption of voltage-gated calcium channels in psychiatric and neurological disorders. 2015 , 134, 36-54		143
219	Genomic aberrations of the CACNA2D1 gene in three patients with epilepsy and intellectual disability. 2015 , 23, 628-32		45
218	Disease-targeted sequencing of ion channel genes identifies de novo mutations in patients with non-familial Brugada syndrome. 2014 , 4, 6733		40
217	History and clinical significance of early repolarization syndrome. <i>Heart Rhythm</i> , 2015 , 12, 242-9	6.7	26
216	p.D1690N sodium voltage-gated channel \(\frac{1}{2}\) ubunit \(\frac{7}{2}\) mutation reduced sodium current density and is associated with Brugada syndrome. 2016 , 13, 5216-22		7
215	The Brugada Syndrome: A Rare Arrhythmia Disorder with Complex Inheritance. <i>Frontiers in Cardiovascular Medicine</i> , 2016 , 3, 9	5.4	39
214	Electrophysiological Mechanisms of Brugada Syndrome: Insights from Pre-clinical and Clinical Studies. 2016 , 7, 467		30
213	Physiological and Pathophysiological Insights of Nav1.4 and Nav1.5 Comparison. 2015 , 6, 314		27
212	Early Repolarization Syndrome; Mechanistic Theories and Clinical Correlates. 2016 , 7, 266		7
211	Sequencing of genes involved in the movement of calcium across human skeletal muscle sarcoplasmic reticulum: continuing the search for genes associated with malignant hyperthermia. 2016 , 44, 762-768		8
210	J Wave Syndrome-Susceptibility Mutations Versus Benign Rare Variants: How Do We Decide?. 2016 , 91-1	20	
209	Early repolarization: an evolving concept for the past 70 years. 2016 , 17, 4-10		
208	Voltage-gated calcium channels and their auxiliary subunits: physiology and pathophysiology and pharmacology. 2016 , 594, 5369-90		161
207	Inter-individual variability and modeling of electrical activity: a possible new approach to explore cardiac safety?. 2016 , 6, 37948		3

(2016-2016)

206	Arrhythmogenesis in Timothy Syndrome is associated with defects in Ca(2+)-dependent inactivation. 2016 , 7, 10370		53
205	Electrocardiographic Early Repolarization: A Scientific Statement From the American Heart Association. 2016 , 133, 1520-9		67
204	Atrial arrhythmias in inherited arrhythmogenic disorders. 2016 , 32, 366-372		4
203	Genetics of Brugada syndrome. 2016 , 32, 418-425		57
202	The PD-1 subunit remodels CaV1.2 voltage sensors and allows Ca2+ influx at physiological membrane potentials. 2016 , 148, 147-59		33
201	Leveraging electronic health records to study pleiotropic effects on bipolar disorder and medical comorbidities. 2016 , 6, e870		5
200	Genetic investigation of 100 heart genes in sudden unexplained death victims in a forensic setting. 2016 , 24, 1797-1802		41
199	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. 2017 , 19, 665-694		127
198	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. <i>Heart Rhythm</i> , 2016 , 13, e295-324	6.7	166
197	Long-Term Outcome of Patients Initially Diagnosed With Idiopathic Ventricular Fibrillation: A Descriptive Study. 2016 , 9,		28
196	Medium-term outcomes of idiopathic ventricular fibrillation survivors and family screening: a multicentre experience. 2017 , 19, 1874-1880		8
195	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. 2016 , 32, 315-339		90
194	Determination of the Relative Cell Surface and Total Expression of Recombinant Ion Channels Using Flow Cytometry. 2016 ,		6
193	Molecular and Functional Characterization of Rare CACNA1C Variants in Sudden Unexplained Death in the Young. 2016 , 11, 683-692		16
192	The Prevalence and Significance of the Early Repolarization Pattern in Sudden Arrhythmic Death Syndrome Families. 2016 , 9,		10
191	Dysfunction of the Voltage-Gated K+ Channel 2 Subunit in a Familial Case of Brugada Syndrome. 2016 , 5,		15
190	J Wave Syndromes. 2016 ,		
189	A novel mutation in the SCN5A gene contributes to arrhythmogenic characteristics of early repolarization syndrome. 2016 , 37, 727-33		10

188	Cellular and ionic mechanisms underlying the effects of cilostazol, milrinone, and isoproterenol to suppress arrhythmogenesis in an experimental model of early repolarization syndrome. <i>Heart Rhythm</i> , 2016 , 13, 1326-34	15
187	Human Genetics of Arrhythmias. 2016 , 721-736	
186	Brugada Syndrome. 2016 , 8, 239-45	3
185	Identification of Glycosylation Sites Essential for Surface Expression of the CaV⊉□1 Subunit and Modulation of the Cardiac CaV1.2 Channel Activity. 2016 , 291, 4826-43	31
184	Molecular Pathways and Animal Models of Arrhythmias. 2016 , 737-745	
183	Cardiac voltage-gated calcium channel macromolecular complexes. 2016 , 1863, 1806-12	18
182	Diagnostic yield of molecular autopsy in patients with sudden arrhythmic death syndrome using targeted exome sequencing. 2016 , 18, 888-96	49
181	Brugada Syndrome: Clinical, Genetic, Molecular, Cellular, and Ionic Aspects. 2016 , 41, 7-57	69
180	The role of genetic testing in unexplained sudden death. 2016 , 168, 59-73	23
179	Genetics of Brugada syndrome. 2016 , 61, 57-60	40
178	Brugada syndrome: clinical and genetic findings. 2016 , 18, 3-12	73
177	Next-generation sequencing of a large gene panel in patients initially diagnosed with idiopathic ventricular fibrillation. <i>Heart Rhythm</i> , 2017 , 14, 1035-1040	15
176	Loss of ⊕1 Calcium Channel Subunit Function Increases the Susceptibility for Diabetes. 2017 , 66, 897-907	21
175	The Phenotypic Spectrum of a Mutation Hotspot Responsible for the Short QT Syndrome. <i>JACC:</i> Clinical Electrophysiology, 2017 , 3, 727-743 4.6	24
174	Association between CACNA1C gene polymorphisms and ritodrine-induced adverse events in preterm labor patients. 2017 , 73, 837-842	4
173	Mapping genes for calcium signaling and their associated human genetic disorders. 2017 , 33, 2547-2554	8
172	Electrocardiogram Alterations Associated With Psychotropic Drug Use and CACNA1C Gene Variants in Three Independent Samples. 2017 , 120, 482-490	6
171	The new kids on the block of arrhythmogenic disorders: Short QT syndrome and early repolarization. 2017 , 28, 1226-1236	18

(2018-2017)

170	Inherited Ventricular Arrhythmias: The Role of the Multi-Subunit Structure of the L-Type Calcium Channel Complex. 2017 , 966, 55-64	2
169	Murine Electrophysiological Models of Cardiac Arrhythmogenesis. 2017 , 97, 283-409	66
168	When High Throughput Meets Mechanistic Studies: A State-of-the-Art Approach in Brugada Syndrome. 2017 , 121, 483-485	1
167	Cardiac action potential repolarization revisited: early repolarization shows all-or-none behaviour. 2017 , 595, 6599-6612	12
166	The Cumulative Effects of the MYH7-V878A and CACNA1C-A1594V Mutations in a Chinese Family with Hypertrophic Cardiomyopathy. 2017 , 138, 228-237	7
165	Investigating the Genetic Causes of Sudden Unexpected Death in Children Through Targeted Next-Generation Sequencing Analysis. 2017 , 10,	15
164	Epicardial radiofrequency catheter ablation of Brugada syndrome with electrical storm during ventricular fibrillation: A case report. 2017 , 96, e8688	3
163	Novel trigenic CACNA1C/DES/MYPN mutations in a family of hypertrophic cardiomyopathy with early repolarization and short QT syndrome. 2017 , 15, 78	18
162	Cardiac Channelopathies and Sudden Death: Recent Clinical and Genetic Advances. 2017, 6,	63
161	A mutation in the CACNA1C gene leads to early repolarization syndrome with incomplete penetrance: A Chinese family study. <i>PLoS ONE</i> , 2017 , 12, e0177532	12
160	Sudden cardiac death: focus on the genetics of channelopathies and cardiomyopathies. 2017, 24, 56	17
159	Brugada syndrome: a fatal disease with complex genetic etiologies´-´still a long way to go. 2017 , 2, 115-125	4
158	Massively Parallel Sequencing of Genes Implicated in Heritable Cardiac Disorders: A Strategy for a Small Diagnostic Laboratory. 2017 , 5,	О
157	Bilobal architecture is a requirement for calmodulin signaling to Ca1.3 channels. 2018 , 115, E3026-E3035	12
156	Genetic analysis of sick sinus syndrome in a family harboring compound CACNA1C and TTN mutations. 2018 , 17, 7073-7080	9
155	Mutation in KCNE1 associated to early repolarization syndrome by modulation of slowly activating delayed rectifier K current. 2018 , 363, 315-320	1
154	Genetic, Ionic, and Cellular Mechanisms Underlying the J Wave Syndromes. 2018 , 483-493	1
153	Brugada Syndrome. 2018 , 883-892	

Voltage-Gated Calcium Channels. 2018, 12-24

151	L-Type Calcium Channels: Structure and Functions. 2018,		3
150	An African loss-of-function CACNA1C variant p.T1787M associated with a risk of ventricular fibrillation. 2018 , 8, 14619		5
149	A Heterozygous Missense hERG Mutation Associated with Early Repolarization Syndrome. 2018 , 51, 1301	-131	24
148	Mechanisms Underlying the Actions of Antidepressant and Antipsychotic Drugs That Cause Sudden Cardiac Arrest. 2018 , 7, 199-209		18
147	Management of Brugada Syndrome in the Developing Countries. 2018 , 12, 1		
146	Electrophysiological Basis for Early Repolarization Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 161	·4	2
145	Early Repolarization Syndrome: Diagnostic and Therapeutic Approach. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 169	-4	12
144	Channelopathies in Heart Disease. 2018,		
143	Heart Genomics. 2018,		
142	Progress of Genomics in Cardiac Conduction and Rhythm Disorders. 2018 , 241-280		
141	Calcium in Brugada Syndrome: Questions for Future Research. 2018 , 9, 1088		24
140	Epicardial Substrate as a Target for Radiofrequency Ablation in an Experimental Model of Early Repolarization Syndrome. 2018 , 11, e006511		6
139	Idiopathic Ventricular Fibrillation and Early Repolarization. 2018, 257-275		
138	Role of genetic heart disease in sentinel sudden cardiac arrest survivors across the age spectrum. 2018 , 270, 214-220		17
137	Recent advances in the treatment of Brugada syndrome. 2018 , 16, 387-404		11
136	Reappraisal of Reported Genes for Sudden Arrhythmic Death: Evidence-Based Evaluation of Gene Validity for Brugada Syndrome. 2018 , 138, 1195-1205		158
135	The Value of the Sodium Channel Blocker Test in Brugada Syndrome and Brugada Phenocopy. 2018 , 21-31		

134 The Future Is Here: Experimental Models and Genetics in Brugada Phenocopy. **2018**, 125-132

133	Overexpression of miR-135b attenuates pathological cardiac hypertrophy by targeting CACNA1C. 2018 , 269, 235-241		24
132	Mutations in voltage-gated L-type calcium channel: implications in cardiac arrhythmia. 2018 , 12, 201-21	8	23
131	A novel mutation identified in a patient with Timothy syndrome without syndactyly exerts both marked loss- and gain-of-function effects. 2018 , 4, 273-277		11
130	J wave syndromes as a cause of malignant cardiac arrhythmias. 2018 , 41, 684-699		9
129	Calcium as a Key Player in Arrhythmogenic Cardiomyopathy: Adhesion Disorder or Intracellular Alteration?. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
128	Short QT Syndrome: A Comprehensive Genetic Interpretation and Clinical Translation of Rare Variants. 2019 , 8,		17
127	Pathophysiology of Calcium Mediated Ventricular Arrhythmias and Novel Therapeutic Options with Focus on Gene Therapy. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
126	Characterization of the CACNA1C-R518C Missense Mutation in the Pathobiology of Long-QT Syndrome Using Human Induced Pluripotent Stem Cell Cardiomyocytes Shows Action Potential Prolongation and L-Type Calcium Channel Perturbation. 2019 , 12, e002534		11
125	Impact of Ancestral Differences and Reassessment of the Classification of Previously Reported Pathogenic Variants in Patients With Brugada Syndrome in the Genomic Era: A SADS-TW BrS Registry. 2018 , 9, 680		6
124	A de novo gain-of-function KCND3 mutation in early repolarization syndrome. <i>Heart Rhythm</i> , 2019 , 16, 1698-1706	6.7	12
123	Learning from studying very rare cardiac conditions: the example of short QT syndrome. 2019 , 3,		3
122	Digenic Heterozigosity in SCN5A and CACNA1C Explains the Variable Expressivity of the Long QT Phenotype in a Spanish Family. 2019 , 72, 324-332		4
121	La expresividad variable del sīldrome de QT largo de una familia espa ll la se explica por la heterocigosis digflica en SCN5A y CACNA1C. 2019 , 72, 324-332		2
120	A pore-localizing CACNA1C-E1115K missense mutation, identified in a patient with idiopathic QT prolongation, bradycardia, and autism spectrum disorder, converts the L-type calcium channel into a hybrid nonselective monovalent cation channel. <i>Heart Rhythm</i> , 2019 , 16, 270-278	6.7	13
119	Penetrance and expressivity of the R858H CACNA1C variant in a five-generation pedigree segregating an arrhythmogenic channelopathy. 2019 , 7, e00476		6
118	The narrow-sense and common single nucleotide polymorphism heritability of early repolarization. 2019 , 279, 135-140		3
117	Emerging Implications of Genetic Testing in Inherited Primary Arrhythmia Syndromes. 2019 , 27, 23-33		8

Mortality risk of early repolarization pattern. **2020**, 43, 169-171

115	miR-182-5p is an evolutionarily conserved Tbx5 effector that impacts cardiac development and electrical activity in zebrafish. 2020 , 77, 3215-3229		5
114	The many faces of early repolarization syndrome: A single-center case series. <i>Heart Rhythm</i> , 2020 , 17, 273-281	6.7	6
113	Identification of Novel SCN5A Single Nucleotide Variants in Brugada Syndrome: A Territory-Wide Study From Hong Kong. 2020, 11, 574590		2
112	Role of Non-Coding Variants in Brugada Syndrome. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
111	A missense mutation in the RSRSP stretch of Rbm20 causes dilated cardiomyopathy and atrial fibrillation in mice. 2020 , 10, 17894		7
110	Susceptibility to Ventricular Arrhythmias Resulting from Mutations in , , and Evaluated in hiPSC Cardiomyocytes. 2020 , 2020, 8842398		4
109	Discovery and characterization of a monogenetic insult, caveolin-3-V37L, that precipitated oligo-proteomic perturbations governing repolarization reserve. 2020 , 319, 71-77		1
108	Calcium Handling Defects and Cardiac Arrhythmia Syndromes. 2020 , 11, 72		23
107	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. 2020 , 46, 102266		4
106	Brugada Syndrome: Oligogenic or Mendelian Disease?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	30
105	The relationship between J wave and ventricular tachycardia during Takotsubo cardiomyopathy. 2020 , 21,		1
104	Brugada syndrome: A comprehensive review of pathophysiological mechanisms and risk stratification strategies. <i>IJC Heart and Vasculature</i> , 2020 , 26, 100468	2.4	11
103	Autoantibody Signature in Cardiac Arrest. 2020 , 141, 1764-1774		9
102	Update on Brugada Syndrome 2019. 2021 , 46, 100454		12
101	Peptide-Based Targeting of the L-Type Calcium Channel Corrects the Loss-of-Function Phenotype of Two Novel Mutations of the Gene Associated With Brugada Syndrome. 2020 , 11, 616819		6
100	Brugada syndrome and reduced right ventricular outflow tract conduction reserve: a final common pathway?. 2021 , 42, 1073-1081		17
99	Right Ventricular Longitudinal Conduction Delay in Patients with Brugada Syndrome. 2021 , 36, e75		1

98	Voltage-Gated Ca-Channel 4 -Subunit Missense Mutations: Gain or Loss of Function - Implications for Potential Therapies. 2021 , 13, 634760		16
97	Atrial Fibrillation in Inherited Channelopathies. 2021 , 13, 155-163		O
96	Towards Mutation-Specific Precision Medicine in Atypical Clinical Phenotypes of Inherited Arrhythmia Syndromes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
95	Evaluating the Use of Genetics in Brugada Syndrome Risk Stratification. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 652027	5.4	5
94	Analysis of Brugada syndrome loci reveals that fine-mapping clustered GWAS hits enhances the annotation of disease-relevant variants. 2021 , 2, 100250		О
93	Update on the Molecular Genetics of Timothy Syndrome. 2021 , 9, 668546		9
92	Precision Medicine Approaches to Cardiac Arrhythmias: JACC Focus Seminar 4/5. 2021 , 77, 2573-2591		3
91	Clinical and Functional Genetic Characterization of the Role of Cardiac Calcium Channel Variants in the Early Repolarization Syndrome. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 680819	5.4	2
90	Commentary: Peptide-Based Targeting of the L-Type Calcium Channel Corrects the Loss-of-Function Phenotype of Two Novel Mutations of the Gene Associated With Brugada Syndrome. 2021 , 12, 682567		2
89	Overlap Arrhythmia Syndromes Resulting from Multiple Genetic Variations Studied in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	
88	Role of High Voltage-Gated Ca Channel Subunits in Pancreatic Ecell Insulin Release. From Structure to Function. 2021 , 10,		5
87	Differential intolerance to loss of function and missense mutations in genes that encode human matricellular proteins. 2021 , 15, 93-105		1
86	L-Type Calcium Channel Disease. 2013 , 209-217		1
85	Brugada Syndrome: Clinical and Genetic Aspects. 2013 , 469-495		1
84	Brugada Syndrome: Cellular Mechanisms and Approaches to Therapy. 2013 , 497-536		1
83	Cardiac Channelopathies and the Molecular Autopsy. 2014 , 899-942		1
82	Brugada Syndrome and Voltage-Gated Calcium Channels. 2014 , 225-238		3
81	The Involvement of Calcium Channel 🖫 Subunits in Diseases and as a Therapeutic Target. 2014 , 97-114		2

80	[Family history of sudden death due to idiopathic ventricular fibrillation]. 2014, 84, 57-9		1
79	Early Repolarization Pattern is Associated with Schizophrenia: A Single Center Experience in Japan.		O
78	Possible Azithromycin-Induced Life-Threatening Arrhythmia Requiring Extracorporeal Membrane Oxygenation Support: A Case Report. 2020 , 21, e926951		2
77	Voltage-gated calcium channel⊞subunits: an assessment of proposed novel roles. 2018 , 7,		39
76	L-Type Calcium Channel Inhibition Contributes to the Proarrhythmic Effects of Aconitine in Human Cardiomyocytes. <i>PLoS ONE</i> , 2017 , 12, e0168435	3.7	18
75	Brugada Syndrome and Early Repolarisation: Distinct Clinical Entities or Different Phenotypes of the Same Genetic Disease?. 2016 , 5, 84-9		1
74	Evaluating the Impact of Sex and Gender in Brugada Syndrome. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2019 , 10, 3530-3535	1.1	1
73	Roles and Regulation of Voltage-gated Calcium Channels in Arrhythmias. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2019 , 10, 3874-3880	1.1	3
72	Calcium Channel Mutations in Cardiac Arrhythmia Syndromes. 2015 , 8, 133-42		41
71	A novel mutation in GPD1-L associated with early repolarization syndrome via modulation of cardiomyocyte fast sodium currents. 2020 , 45, 947-955		2
70	A1427S missense mutation in scn5a causes type 1 brugada pattern, recurrent ventricular tachyarrhythmias and right ventricular structural abnormalities. 2017 , 6, 10		1
69	Distinct Features of Probands With Early Repolarization and Brugada Syndromes Carrying SCN5A Pathogenic Variants. 2021 , 78, 1603-1617		2
68	Ventricular voltage-gated ion channels: Detection, characteristics, mechanisms, and drug safety evaluation. 2021 , 11, e530		О
67	???????(????2010????). Journal of JCS Cardiologists, 2011 , 19, 123-126	0.1	
66	Early repolarization - a marker of ventricular fibrillation?. Cor Et Vasa, 2011, 53, 676-682	0.3	
65	Current findings of idiopathic ventricular fibrillation. <i>Japanese Journal of Electrocardiology</i> , 2012 , 32, 187-189	O	
64	Sodium Ion Channelopathies. 2013 , 193-207		
63	Early Repolarization Syndrome: Epidemiology, Genetics, and Risk Stratification. 2013 , 537-550		

62	?????????(???????). Journal of JCS Cardiologists, 2013 , 21, 3-8	0.1
61	Ventricular Tachycardiac and Sudden Arrhythmic Death. 2014 , 2971-2998	
60	Lai Tai, the Mysterious Death of Young Thai Men. 2014 , 265-277	
59	Brugada Syndrome 1992 1 012. 2014 , 925-933	1
58	Genetics and Cellular Mechanisms of the J Wave Syndromes. 2014 , 511-519	1
57	Early Repolarization Syndrome. 2015 , 1-9	
56	Genetics in J Wave Syndrome. Japanese Journal of Electrocardiology, 2015, 34, 352-359	0
55	Ionic and Cellular Mechanisms Underlying J Wave Syndromes. 2016 , 33-76	
54	Genetic Basis of Early Repolarization Syndrome. 2016 , 77-90	
53	Atrial Arrhythmias Associated with J Wave Syndromes. 2016 , 245-258	
52	Idiopathic Ventricular Fibrillation. 2016 , 211-225	
51	Brugada Syndrome. 2016 , 175-191	
50	Brugada Syndrome. Journal of Cardiology & Current Research, 2016, 6,	0.1
49	Brugada Syndrome: Evolving Insights and Emerging Treatment Strategies. <i>Journal of Innovations in Cardiac Rhythm Management</i> , 2017 , 8, 2613-2622	1.1 2
48	Molecular Genetics of ERS. 2018, 23-31	
47	Clinical Diagnosis and Manifestation of Early Repolarization Syndrome. 2018, 13-21	
46	ERS in Relation to Brugada Syndrome. 2018 , 43-54	
45	PROBLEMS OF PREVENTION OF SUDDEN CARDIAC DEATH IN ARMED FORCES OF THE RUSSIAN FEDERATION. <i>Vestnik of Russian Military Medical Academy</i> , 2017 , 19, 40-48	0.3

44	Inherited Arrhythmias: Brugada Syndrome and Early Repolarisation Syndrome. 2018, 437-480		
43	Genetic Architecture, Pathophysiology, and Clinical Management of Brugada Syndrome. 2020 , 285-299		
42	Genetics, Molecular Biology, and Emerging Concepts of Early Repolarization Syndrome. 2020 , 255-268		
41	Molecular Basis of Impulse Generation and Propagation. 2020 , 41-47		
40	Transmural conduction time in an early repolarization syndrome model. <i>Experimental and Therapeutic Medicine</i> , 2020 , 20, 3064-3071	2.1	
39	Etiology of Sudden Death. 2021 , 17-35		
38	Short QT Syndrome. <i>Contemporary Cardiology</i> , 2020 , 845-866	0.1	
37	Idiopathic Ventricular Fibrillation and Early Repolarization Syndrome. 2020, 259-272		
36	Early Repolarization Pattern and Suicidal Risks: A Single Center Case-Control Study.		О
35	Inherited Ventricular Arrhythmias, the Channelopathies and SCD; Current Knowledge and Future Speculation Epidemiology and Basic Electrophysiology.		
34	Evaluation Of Patients With Early Repolarization Syndrome. <i>Journal of Atrial Fibrillation</i> , 2014 , 7, 1083	0.8	1
33	J Wave Syndrome: Clinical Diagnosis, Risk Stratification and Treatment. <i>Journal of Atrial Fibrillation</i> , 2014 , 7, 1173	0.8	1
32	The role of CACNA1C in Brugada syndrome: prevalence and phenotype of probands referred for genetic testing <i>Heart Rhythm</i> , 2022 ,	6.7	0
31	Aerobic exercise capacity of healthy young men with the early repolarization phenomenon. <i>The Siberian Scientific Medical Journal</i> , 2021 , 41, 92-100	1.2	
30	Calcium dysregulation in heart diseases: Targeting calcium channels to achieve a correct calcium homeostasis <i>Pharmacological Research</i> , 2022 , 177, 106119	10.2	4
29	Brugada Syndrome <i>JACC: Clinical Electrophysiology</i> , 2022 , 8, 386-405	4.6	2
28	Biallelic CACNA2D1 loss-of-function variants cause early-onset developmental epileptic encephalopathy <i>Brain</i> , 2022 ,	11.2	3
27	Sudden cardiac arrest in patients with schizophrenia: A population-based study of resuscitation outcomes and pre-existing cardiovascular disease <i>IJC Heart and Vasculature</i> , 2022 , 40, 101027	2.4	

26	MAIN ASPECTS OF BRUGADA SYNDROME. Eurasian Heart Journal, 2020 , 130-135	0.7	
25	Table_1.doc. 2019 ,		
24	Image_1.jpeg. 2021 ,		
23	Image_2.jpeg. 2021 ,		
22	Table_1.docx. 2020 ,		
21	Relationship between the early repolarization pattern and a history of suicide attempts among drug-free psychiatric patients <i>Neuropsychopharmacology Reports</i> , 2022 ,	2.2	
20	The Genetics of Brugada Syndrome Annual Review of Genomics and Human Genetics, 2022,	9.7	O
19	The Genetics and Epigenetics of Ventricular Arrhythmias in Patients Without Structural Heart Disease. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	O
18	Why Is There an Increased Risk for Sudden Cardiac Death in Patients With Early Repolarization Syndrome?. <i>Cureus</i> , 2022 ,	1.2	
17	A Preclinical Study on Brugada Syndrome with a CACNB2 Variant Using Human Cardiomyocytes from Induced Pluripotent Stem Cells. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 8313	6.3	1
16	Novel CACNA1C R511Q mutation, located in domain I-II linker, causes non-syndromic type-8 long QT syndrome. <i>PLoS ONE</i> , 2022 , 17, e0271796	3.7	
15	Disrupted Cav1.2 Selectivity Causes Overlapping Long QT and Brugada Syndrome Phenotypes in CACNA1C-E1115K iPS Cell Model. 2022 ,		2
14	Regulation of cardiac ion channels by transcription factors: Looking for new opportunities of druggable targets for the treatment of arrhythmias. 2022 , 204, 115206		0
13	Concealed Substrates in Brugada Syndrome: Isolated Channelopathy or Associated Cardiomyopathy?. 2022 , 13, 1755		2
12	Role of Ca2+ in healthy and pathologic cardiac function: from normal excitationEontraction coupling to mutations that cause inherited arrhythmia.		О
11	The road to the brain in Timothy syndrome is paved with enhanced CaV1.2 activation gating. 2022 , 154,		Ο
10	Voltage-Gated ´Calcium ´Channel Auxiliary TSubunits. 2022 , 73-92		О
9	Regulation of Calcium Channels and Synaptic Function by Auxiliary 🗗 Subunits. 2022, 93-114		O

8	Whole exome sequencing of FFPE samples expanding the horizon of forensic molecular autopsies.	0
7	Transcriptional Dysregulation Underlies Both Monogenic Arrhythmia Syndrome and Common Modifiers of Cardiac Repolarization.	1
6	CACNA1C-Related Channelopathies. 2023,	1
5	Pathophysiological Roles of Auxiliary Calcium Channel ₹□ Subunits. 2023,	O
4	2023 , 18, 317-337	O
3		0
	The importance of cache domains in ⊞proteins and the basis for their gabapentinoid selectivity.	