

分子生理学

論文

A 欧文

A-a

1 Abe K, Machida T, Sumitomo N, Yamamoto H, Ohkubo K, Watanabe I, Makiyama T, Fukae S, Kohno M, Harrell D T, Ishikawa T, Tsuji Y, Nogami A, Watabe T, Oginosawa Y, Abe H, Maemura K, Motomura H, Makita N. Sodium channelopathy underlying familial sick sinus syndrome with early onset and predominantly male characteristics. *Circ Arrhythm Electrophysiol.* 7(3): 511-7, 2014.(IF 5.417)*

2 Abe Y, Sumitomo N, Okuma H, Nakamura T, Fukuhara J, Ichikawa R, Matsumura M, Miyashita M, Kamiyama H, Ayusawa M, Watanabe M, Joo K, Makita N, Horie M. Successful control of life-threatening polymorphic ventricular tachycardia by radiofrequency catheter ablation in an infant. *Heart Vessels.* 29(3): 422-6, 2014.(IF 2.109)*

3 Hasegawa K, Ohno S, Itoh H, Makiyama T, Aiba T, Nakano Y, Shimizu W, Matsuura H, Makita N, Horie M. A rare KCNE1 polymorphism, D85N, as a genetic modifier of long QT syndrome. *J Arrhythmia.* 30(3): 161-166, 2014.

4 Katsuumi G, Shimizu W, Watanabe H, Noda T, Nogami A, Ohkubo K, Makiyama T, Takehara N, Kawamura Y, Hosaka Y, Sato M, Fukae S, Chinushi M, Oda H, Okabe M, Kimura A, Maemura K, Watanabe I, Kamakura S, Horie M, Aizawa Y, Makita N, Minamino T. Efficacy of bepridil to prevent ventricular fibrillation in severe form of early repolarization syndrome. *Int J Cardiol.* 172(2): 519-22, 2014.(IF 6.175)*

5 Kusumoto S, Kawano H, Makita N, Ichimaru S, Kaku T, Haruta D, Hida A, Sera N, Imaizumi M, Nakashima E, Maemura K, Akahoshi M. Right bundle branch block without overt heart disease predicts higher risk of pacemaker implantation: The study of atomic-bomb survivors. *Int J Cardiol.* 174(1): 77-82, 2014.(IF 6.175)*

6 Makita N, Yagihara N, Crotti L, Johnson C N, Beckmann B M, Roh M S, Shigemizu D, Lichtner P, Ishikawa T, Aiba T, Homfray T, Behr E R, Klug D, Denjoy I, Mastantuono E, Theisen D, Tsunoda T, Satake W, Toda T, Nakagawa H, Tsuji Y, Tsuchiya T, Yamamoto H, Miyamoto Y, Endo N, Kimura A, Ozaki K, Motomura H, Suda K, Tanaka T, Schwartz P J, Meitinger T, Kaab S, Guicheney P, Shimizu W, Bhuiyan Z A, Watanabe H, Chazin W J, George A L. Novel calmodulin (CALM2) mutations associated with congenital arrhythmia susceptibility. *Circ Cardiovasc Genet.* 7:466-474, 2014.(IF 5.337)*

7 Ohno S, Omura M, Kawamura M, Kimura H, Itoh H, Makiyama T, Ushinohama H, Makita N, Horie M. Exon 3 deletion of RYR2 encoding cardiac ryanodine receptor is associated with left ventricular non-compaction. *Europace.*16(11)1646-54,2014.(IF 3.050)*

8 Yoshida M, Ando S, Chishaki A, Makita N, Hasegawa Y, Narita S, Momii H, Kadokami T. Normal dose of pilsicainide showed marked negative inotropic effects in a patient who had no underlying heart disease. *J Arrhythmia.* 30(1): 68-70, 2014.

A-b

1 Tsuji Y, Ishikawa T, Makita N. Molecular mechanisms of heart failure progression associated with implantable cardioverter-defibrillator shocks for ventricular tachyarrhythmias. *J Arrhythmia.* 30(4): 235-241, 2014.

A-e

1 Tsuji Y. Electrical storm: pathophysiological insights and therapeutic consequences. Asian Pacific Heart Rhythm Society. 2014.

2 Tsuji Y. Electrical storm: translational perspective on pathophysiology and therapy. Korea Heart Rhythm Symposium. 2014.

3 Hu D, Zhang J, Li Y, Gollob M, Healey J, Harrell D T, Makita N, Abe H, Sun Y, Zhang L, Yan G, Mah D, Walsh E, Leopold H, Giustetto C, Gaita F, Martinez H B, Antzelevitch C. The Spectrum of Most Frequent Mutation in Short QT Syndrome. 35th Annual Scientific Sessions, Heart Rhythm. 2014.

4 Aiba T, Makimoto H, Makiyama T, Watanabe H, Hayashi K, Nakano Y, Miyauchi Y, Morita H, Aonuma K, Hagiwara N, Fukuda K, Yoshinaga M, Horigome H, Sumitomo N, Tanaka T, Sekine A, Shiraishi I, Kusano K, Miyamoto Y, Kamakura S, Yasuda S, Ogawa H, Makita N, Horie M, Shimizu W. Diverse Gender Difference of Arrhythmic Risk in Patients With Congenital Long QT Syndrome:From Japanese Congenital LQTS Multicenter Registry. American Heart Association Scientific Sessions. 2014.

- 5 Ishikawa T, Nogami A, Kowase S, Arimura T, Kimura A, Makita N. A Novel Cardiac α -Myosin Heavy Chain (MYH6) Mutation Associated with Familial Sick Sinus Syndrome Altering Sarcomeric Organization. 35th Annual Scientific Sessions, Heart Rhythm. 2014.
- 6 Ishikawa T, Nogami A, Kowase S, Harrell D, Tsuji Y, Arimura T, Kimura A, Makita N. A novel cardiac alpha-myosin heavy chain (MYH6) mutation impairing sarcomere structure responsible for familial sick sinus syndrome European Society of Cardiology. 2014.
- 7 Muggenthaler M, Tanck M W, Schott J J, Kyndt F, Borggrefe M, McKeown P, Makita N, Schwartz P, Roden D, Behr E R. Genetic modifiers in the long QT3/Brugada overlap-syndrome caused by E1784K. European Society of Cardiology. 2014.
- 8 Sonoda K, Watanabe H, Nogami A, Ohkubo K, Makiyama T, Takehara N, Kawamura Y, Hosaka Y, Sato M, Fukae S, Chinushi M, Oda H, Okabe M, Shimizu W, Kimura A, Maemura K, Watanabe I, Kamakura S, Burashnikov E, Antzelevitch C, Horie M, Aizawa Y, Minamino T, Makita N. Genotype-Phenotype Associations in Early Repolarization Syndrome. 35th Annual Scientific Sessions, Heart Rhythm. 2014.
- 9 Wijeyeratne Y, Probst V, Veltmann C, Shimizu W, Crotti L, Horie M, McKeown P, Makita N, Roden D, Behr E R. Ethnicity and phenotype in the SCN5A E1784K mutation. European Society of Cardiology. 2014.
- 10 Wijeyeratne Y D, Muggenthaler M, Tanck M, Schott J J, Kyndt F, Probst V, Borggrefe M, McKeown P, Veltmann C, L C, Schwartz P, Sharma S, Makita N, D R, Behr E R. Genetic modifiers in carriers of the SCN5A E1784K mutation with variable phenotypic expression - Long QT3 / Brugada syndrome overlap disease. British Cardiovascular Society annual meeting. 2014.

B 邦文

B-b

- 1 蒔田直昌. 遺伝性不整脈の遺伝子診断の歴史. 呼吸と循環. 62(827-831), 2014.

B-d

- 1 辻 幸臣, 蒔田直昌. 重症不整脈 electrical storm : 基礎研究からのアプローチ. 長崎市医師会報 48(7-11), 2014.

B-e

- 1 蒔田直昌. 致死性不整脈の分子病態に関する新展開. 第 91 回日本生理学会大会. 2014.
- 2 Furukawa T, Okata S, Yuasa S, Suzuki T, Makita N, Kurokawa J, Egashira T, Yamakawa H, Seki T, Aizawa T, Hashimoto H, Kuroda Y, Tanaka A, Yae K, Murata M, Aiba T, Shimizu W, Horie M, Kodama I, Ogawa S, Fukuda K. Disease Modeling Using iPSCs. 第 78 回日本循環器学会. 2014.
- 3 Inada S, Harrell D T, Haraguchi R, Ashihara T, Makita N, Nakazawa K. A simulation study of ventricular arrhythmias generated from the Purkinje network with gap junction mutation. Physiology Society of Japan. 2014.
- 4 Inada S, Harrell D T, Haraguchi R, Ashihara T, Makita N, Nakazawa K. Ventricular arrhythmia induced by the Purkinje network with reduced gap junction conductance - A simulation study -. 日本生体医工学会. 2014.
- 5 Makita N. Paradigm Shifts in the Genetics of Inherited Arrhythmias Brought on by High-throughput Sequencing and Genome-wide Association Studies. 第 29 回日本不整脈学会・第 31 回日本心電学会合同学術大会. 2014.
- 6 Tsuji Y, Ishikawa T, Makita N. Electrical Storm in Inherited Arrhythmia Syndromes. 第 29 回日本不整脈学会・第 31 回日本心電学会合同学術大会. 2014.
- 7 Tsuji Y, Ishikawa T, Makita N. Electrical storm in inherited arrhythmia syndromes. 第 31 回心電学会・第 29 回不整脈学会合同学術大会. 2014.
- 8 Tsuji Y, Ishikawa T, Makita N. Role of Ca^{2+} /calmodulin-dependent protein kinase II in atrial and ventricular remodeling and arrhythmias. 第 31 回心電学会・第 29 回不整脈学会合同学術大会. 2014.

- 9 Tsuji Y, Ishikawa T, Makita N. Role of Ca²⁺/calmodulin -dependent Protein Kinase II in Atrial and Ventricular Remodeling and Arrhythmias. 第 29 回日本不整脈学会・第 31 回日本心電学会合同学術大会. 2014
- 10 稲田 慎, ダニエル・トシオ・ハーレル, 原口 亮, 芦原貴司, 蒔田直昌, 中沢一雄. ギャップ結合変異を有するプルキンエ線維から発生する心室性不整脈に関するシミュレーション研究. 第 91 回日本生理学会大会. 2014.
- 11 蒔田直昌, 関 明子. 家族性心臓伝導障害家系に同定された connexin40 の遺伝子変異と機能異常. 第 91 回日本生理学会大会. 2014.
- 12 辻 幸臣, 蒔田直昌. 心室細動成立に果たすカルモジュリンキナーゼの役割とは? 第 91 回日本生理学会大会. 2014.
- 13 Ishikawa T, Nogami A, Kowase S, Arimura T, Kimura A, Makita N. A Novel Mutation in Atrial Myosin Heavy Chain Coding Gene MYH6 Causes Sick Sinus Syndrome. 第 78 回日本循環器学会. 2014.
- 14 Ishikawa T, Nogami A, Kowase S, Harrell D T, Arimura T, Tsuji Y, Kimura A, N. M. A Novel Mutation in Atrial Myosin Heavy Chain Coding Gene MYH6 Causes Sick Sinus Syndrome. 第 29 回日本不整脈学会・第 31 回日本心電学会合同学術大会. 2014.
- 15 Nakano Y, Toshiyige M, Ochi H, Tokuyama T, Sairaku A, Oda N, Kajihara K, Uchimura Y, Fujiwara M, Watanabe Y, Kawazoe H, Motoda C, Matumura M, Oda N, Aiba T, Watanabe H, Shimizu W, Horie M, Makita N, Chayama K, Kihara Y. Nonsynonymous Polymorphism in Semaphorin 3A is a New Genetic Risk Factor for Human Idiopathic Ventricular Fibrillation. 第 78 回日本循環器学会. 2014.
- 16 Okata S, Yuasa S, Suzuki T, Egashira T, Kuroda Y, Tanaka A, Makita N, Kurokawa J, Furukawa T, Fukuda K. Na⁺ Channel beta-subunit affects the phenotype in long QT syndrome type 3 and Brugada syndrome induced pluripotent stem cell-derived cardiomyocytes. 第 78 回日本循環器学会. 2014.
- 17 Xu D, Murakoshi N, Nogami A, Makita N, Sekiguchi Y, Igarashi M, Isaka Y, Kurosaki K, Kowase S, Naruse Y, Aonuma K. Common Variants at SCN5A, SCN10A, and HEY2 are Associated with Cardiac Conduction Disturbance in Patients with Brugada Syndrome. 第 78 回日本循環器学会. 2014.
- 18 白石亜季, 深江学芸, 森内拓治, 坂口能理子, 古島早苗, 森永芳智, 蒔田直昌, 前村浩二, 柳原克紀. Brugada 症候群と QT 延長症候群のオーバーラップを認めた一症例. 第 59 回日本臨床検査医学会 九州支部. 2014.
- 19 Inada S, Harrell D T, Haraguchi R, Ashihara T, Makita N, Nakazawa K. A Gap Junction Mutation Expressed in the Purkinje Network and Lethal Ventricular Arrhythmias -A Simulation Study-. 第 78 回日本循環器学会. 2014.
- 20 Katsuomi G, Watanabe H, Chinushi M, Fukae S, Noda T, Ohkubo K, Nogami A, Hosaka Y, Oda H, Sato H, Okabe M, Aizawa Y, Kimura A, Makiyama T, Horie M, Maemura K, Makita N, Minamino T. Efficacy of Bepridil to Prevent Ventricular Fibrillation in Early Repolarization Syndrome. 第 78 回日本循環器学会. 2014.
- 21 Sonoda K, Watanabe H, Sato A, Yagihara N, Hasegawa K, Iijima K, Izumi D, Furushima H, Ashihara T, Horie M, Makita N, Minamino T. Mutations in SCN5A Associated with Monomorphic Ventricular Tachycardia, Conduction Disease, and J-Wave Syndrome. 第 78 回日本循環器学会. 2014.
- B-e
- 22 清水 渉, 蒔田直昌, 堀江 稔, 相庭武司. わが国における遺伝性不整脈診断・治療の今後の展望-欧米との違いも含めて. *CARDIAC PRACTICE*. 25(65-72), 2014.

研究業績集計表

教室等名：104 分子生理学（生理学第一）

論文数一覧

	A-a	A-b	A-c	A-d	A-e	合計	SCI	B-a	B-b	B-c	B-d	B-e	合計	総計
2014	8	1	0	0	10	19	6	0	1	0	1	22	24	43

学会発表数一覧

	A-a	A-b		合計	B-a	B-b		合計	総計
		シンポジウム	学会			シンポジウム	学会		
2014	2	0	8	10	1	11	9	21	31

論文総数に係る教員生産係数一覧

	$\frac{\text{欧文論文総数}}{\text{論文総数}}$	教員生産係数 (欧文論文)		$\frac{\text{SCI掲載論文数}}{\text{欧文論文総数}}$	教員生産係数 (SCI掲載論文)
2014	0.442	6.333		0.316	2

Impact factor 値一覧

	Impact factor	教員当たり Impact factor	論文当たり Impact factor
2014	28.263	9.421	4.711