

染川 智 院長 英文論文リスト

- 1: Somekawa S, Imagawa K, Hayashi H, Sakabe M, Ioka T, Sato GE, Inada K, Iwamoto T, Mori T, Uemura S, Nakagawa O, Saito Y. Tmem100, an ALK1 receptor signaling-dependent gene essential for arterial endothelium differentiation and vascular morphogenesis. *Proc Natl Acad Sci USA*. 2012 Jul 24;109(30):12064-9.
- 2: Somekawa S, Fukuhara S, Nakaoka Y, Fujita H, Saito Y, Mochizuki N. Enhanced functional gap junction neoformation by protein kinase A-dependent and Epac-dependent signals downstream of cAMP in cardiac myocytes. *Circ Res*. 2005 Sep 30;97(7):655-62.
- 3: Somekawa S, Imagawa K, Naya N, Takemoto Y, Onoue K, Okayama S, Takeda Y, Kawata H, Horii M, Nakajima T, Uemura S, Mochizuki N, Saito Y. Regulation of aldosterone and cortisol production by the transcriptional repressor neuron restrictive silencer factor. *Endocrinology*. 2009 Jul;150(7):3110-7.
- 4: Mizuta K, Sakabe M, Somekawa S, Saito Y, Nakagawa O. TMEM100: A Novel Intracellular Transmembrane Protein Essential for Vascular Development and Cardiac Morphogenesis. 2016 Jun 25. In: Nakanishi T, Markwald RR, Baldwin HS, Keller BB, Srivastava D, Yamagishi H, editors. *Etiology and Morphogenesis of Congenital Heart Disease: From Gene Function and Cellular Interaction to Morphology*. Springer; 2016.
- 5: Nakagawa H, Somekawa S, Onoue K, Kumazawa T, Ueda T, Seno A, Nakada Y, Nakano T, Matsui M, Soeda T, Okayama S, Kawakami R, Kawata H, Okura H, Saito Y. Salt accelerates aldosterone-induced cardiac remodeling in the absence of guanylyl cyclase-A signaling. *Life Sci*. 2016 Nov 15;165:9-15.
- 6: Seno A, Takeda Y, Matsui M, Okuda A, Nakano T, Nakada Y, Kumazawa T, Nakagawa H, Nishida T, Onoue K, Somekawa S, Watanabe M, Kawata H, Kawakami R, Okura H, Uemura S, Saito Y. Suppressed Production of Soluble Fms-Like Tyrosine Kinase-1 Contributes to Myocardial Remodeling and Heart Failure. *Hypertension*. 2016 Sep;68(3):678-87.

- 7: Tsukamoto S, Kurematsu Y, Honoki K, Kido A, Somekawa S, Kaya D, Sadamitsu T, Fukui H, Tanaka Y. Severe toxicity of chemotherapy against advanced soft tissue sarcoma in Werner's syndrome: Ifosfamide-induced encephalopathy with central diabetes insipidus. *J Orthop Sci.* 2016 May;21(3):403-6.
- 8: Mizuta K, Sakabe M, Hashimoto A, Ioka T, Sakai C, Okumura K, Hattammaru M, Fujita M, Araki M, Somekawa S, Saito Y, Nakagawa O. Impairment of endothelial-mesenchymal transformation during atrioventricular cushion formation in Tmem100 null embryos. *Dev Dyn.* 2015 Jan;244(1):31-42.
- 9: Ueda T, Kawakami R, Horii M, Sugawara Y, Matsumoto T, Okada S, Nishida T, Soeda T, Okayama S, Somekawa S, Takeda Y, Watanabe M, Kawata H, Uemura S, Saito Y. Noncardiovascular death, especially infection, is a significant cause of death in elderly patients with acutely decompensated heart failure. *J Card Fail.* 2014 Mar;20(3):174-80.
- 10: Okayama S, Soeda T, Kawakami R, Takami Y, Somekawa S, Ueda T, Sugawara Y, Matsumoto T, Sung JH, Nishida T, Uemura S, Saito Y. Evaluation of coronary artery disease and cardiac morphology and function in patients with hypertrophic cardiomyopathy, using cardiac computed tomography. *Heart Vessels.* 2015 Jan;30(1):28-35.
- 11: Okayama S, Nakano T, Uemura S, Fujimoto S, Somekawa S, Watanabe M, Nakajima T, Saito Y. Evaluation of left ventricular diastolic function by fractional area change using cine cardiovascular magnetic resonance: a feasibility study. *J Cardiovasc Magn Reson.* 2013 Sep 26;15:87.
- 12: Matsui M, Takeda Y, Uemura S, Matsumoto T, Seno A, Onoue K, Tsushima H, Morimoto K, Soeda T, Okayama S, Somekawa S, Samejima K, Kawata H, Kawakami R, Nakatani K, Iwano M, Saito Y. Suppressed soluble Fms-like tyrosine kinase-1 production aggravates atherosclerosis in chronic kidney disease. *Kidney Int.* 2014 Feb;85(2):393-403.
- 13: Okada S, Morimoto T, Ogawa H, Sakuma M, Soejima H, Nakayama M, Sugiyama S, Jinnouchi H, Waki M, Doi N, Horii M, Kawata H, Somekawa S, Soeda T, Uemura

S, Saito Y; investigators for the Japanese Primary Prevention of Atherosclerosis with Aspirin for Diabetes (JPAD) trial. Effect of low-dose aspirin on primary prevention of cardiovascular events in Japanese diabetic patients at high risk. *Circ J.* 2013;77(12):3023-8.

14: Ueda T, Kawakami R, Horii M, Sugawara Y, Matsumoto T, Okada S, Nishida T, Soeda T, Okayama S, Somekawa S, Takeda Y, Watanabe M, Kawata H, Uemura S, Saito Y. High mean corpuscular volume is a new indicator of prognosis in acute decompensated heart failure. *Circ J.* 2013;77(11):2766-71.

15: Matsumoto T, Uemura S, Takeda Y, Matsui M, Okada S, Nishida T, Soeda T, Okayama S, Somekawa S, Ishigami K, Onoue K, Kawata H, Kawakami R, Horii M, Saito Y. An elevated ratio of placental growth factor to soluble fms-like tyrosine kinase-1 predicts adverse outcomes in patients with stable coronary artery disease. *Intern Med.* 2013;52(10):1019-27.

16: Arimura T, Onoue K, Takahashi-Tanaka Y, Ishikawa T, Kuwahara M, Setou M, Shigenobu S, Yamaguchi K, Bertrand AT, Machida N, Takayama K, Fukusato M, Tanaka R, Somekawa S, Nakano T, Yamane Y, Kuba K, Imai Y, Saito Y, Bonne G, Kimura A. Nuclear accumulation of androgen receptor in gender difference of dilated cardiomyopathy due to lamin A/C mutations. *Cardiovasc Res.* 2013 Aug 1;99(3):382-94.

17: Horii M, Matsumoto T, Uemura S, Sugawara Y, Takitsume A, Ueda T, Nakagawa H, Nishida T, Soeda T, Okayama S, Somekawa S, Ishigami K, Takeda Y, Kawata H, Kawakami R, Saito Y. Prognostic value of B-type natriuretic peptide and its amino-terminal proBNP fragment for cardiovascular events with stratification by renal function. *J Cardiol.* 2013 Jun;61(6):410-6.

18: Okayama S, Soeda T, Takami Y, Kawakami R, Somekawa S, Uemura S, Saito Y. The influence of effective energy on computed tomography number depends on tissue characteristics in monoenergetic cardiac imaging. *Radiol Res Pract.* 2012;2012:150980.

19: Takami T, Yamano S, Okada S, Sakuma M, Morimoto T, Hashimoto H, Somekawa S, Saito Y. Major risk factors for the appearance of white-matter lesions

on MRI in hypertensive patients with controlled blood pressure. *Vasc Health Risk Manag.* 2012;8:169–76.

20: Nishida T, Nakajima T, Kaitani K, Takitsume A, Soeda T, Okayama S, Somekawa S, Takeda Y, Ishigami K, Kawata H, Kawakami R, Horii M, Uemura S, Saito Y. Non-contact mapping system accurately localizes right-sided accessory pathways in type B Wolff-Parkinson-White syndrome. *Europace.* 2012 May;14(5) :752–60.

21: Sakan H, Okayama S, Uemura S, Somekawa S, Ishigami K, Takeda Y, Kawata H, Horii M, Fujimoto S, Saito Y. Atrial right-to-left shunt without pulmonary hypertension in a patient with biventricular non-compaction cardiomyopathy accompanied by ventricular and atrial septal defects. *Intern Med.* 2011;50(16) :1747–51.

22: Uemura S, Ishigami K, Soeda T, Okayama S, Sung JH, Nakagawa H, Somekawa S, Takeda Y, Kawata H, Horii M, Saito Y. Thin-cap fibroatheroma and microchannel findings in optical coherence tomography correlate with subsequent progression of coronary atheromatous plaques. *Eur Heart J.* 2012 Jan;33(1) :78–85.

23: Soeda T, Uemura S, Okayama S, Kawakami R, Sugawara Y, Nakagawa H, Matsumoto T, Sung JH, Nishida T, Senoo A, Somekawa S, Takeda Y, Ishigami K, Kawata H, Horii M, Saito Y. Intensive lipid-lowering therapy with rosuvastatin stabilizes lipid-rich coronary plaques. –Evaluation using dual-source computed tomography. *Circ J.* 2011;75(11) :2621–7.

24: Okayama S, Seno A, Soeda T, Takami Y, Kawakami R, Somekawa S, Ishigami K, Takeda Y, Kawata H, Horii M, Uemura S, Saito Y. Optimization of energy level for coronary angiography with dual-energy and dual-source computed tomography. *Int J Cardiovasc Imaging.* 2012 Apr;28(4) :901–9.

25: Okayama S, Ayako S, Somekawa S, Uemura S, Kubota Y, Saito Y. Feasibility of dual gradient-echo in-phase and opposed-phase magnetic resonance imaging for the evaluation of epicardial fat. *Acta Radiol.* 2011 Sep 1;52(7) :723–9.

- 26: Soeda T, Okayama S, Seno A, Kawakami R, Somekawa S, Takeda Y, Uemura S, Saito Y. Contrast-enhanced computed tomographic and echocardiographic detection of intra-aortic floating thrombus causing acute myocardial infarction. *J Cardiovasc Comput Tomogr.* 2011 Jan–Feb;5(1):63–5.
- 27: Okayama S, Uemura S, Sugimoto H, Enomoto S, Onoue K, Omori S, Soeda T, Somekawa S, Ishigami K, Watanabe M, Nakajima T, Kubota Y, Saito Y. Dual gradient-echo in-phase and opposed-phase magnetic resonance imaging to evaluate lipomatous metaplasia in patients with old myocardial infarction. *Magn Reson Med Sci.* 2010;9(2):85–9.
- 28: Okayama S, Uemura S, Soeda T, Onoue K, Somekawa S, Ishigami K, Watanabe M, Nakajima T, Fujimoto S, Saito Y. Clinical significance of papillary muscle late enhancement detected via cardiac magnetic resonance imaging in patients with single old myocardial infarction. *Int J Cardiol.* 2011 Jan 7;146(1):73–9.
- 29: Okayama S, Uemura S, Watanabe M, Morikawa Y, Onoue K, Soeda T, Iwama H, Somekawa S, Takeda Y, Uramoto H, Kobayashi Y, Saito Y. Novel application of black-blood echo-planar imaging to the assessment of myocardial infarction. *Heart Vessels.* 2010 Mar;25(2):104–12.
- 30: Soeda T, Uemura S, Morikawa Y, Ishigami K, Okayama S, Hee SJ, Nishida T, Onoue K, Somekawa S, Takeda Y, Kawata H, Horii M, Saito Y. Diagnostic accuracy of dual-source computed tomography in the characterization of coronary atherosclerotic plaques: comparison with intravascular optical coherence tomography. *Int J Cardiol.* 2011 May 5;148(3):313–8.
- 31: Onoue K, Uemura S, Takeda Y, Somekawa S, Iwama H, Imagawa K, Nishida T, Morikawa Y, Takemoto Y, Asai O, Soeda T, Okayama S, Ishigami K, Nakatani K, Kawata H, Horii M, Nakajima T, Akai Y, Iwano M, Saito Y. Reduction of circulating soluble fms-like tyrosine kinase-1 plays a significant role in renal dysfunction-associated aggravation of atherosclerosis. *Circulation.* 2009 Dec 15;120(24):2470–7.

- 32: Onoue K, Uemura S, Takeda Y, Somekawa S, Iwama H, Nishida T, Morikawa Y, Nakagawa H, Tsutsumi T, Sung JH, Takemoto Y, Soeda T, Okayama S, Ishigami K, Kawata H, Horii M, Nakajima T, Saito Y. Usefulness of soluble Fms-like tyrosine kinase-1 as a biomarker of acute severe heart failure in patients with acute myocardial infarction. *Am J Cardiol.* 2009 Dec 1;104(11):1478-83.
- 33: Ishigami K, Uemura S, Morikawa Y, Soeda T, Okayama S, Nishida T, Takemoto Y, Onoue K, Somekawa S, Takeda Y, Kawata H, Horii M, Saito Y. Long-term follow-up of neointimal coverage of sirolimus-eluting stents--evaluation with optical coherence tomography. *Circ J.* 2009 Dec;73(12):2300-7.
- 34: Morikawa Y, Uemura S, Ishigami K, Soeda T, Okayama S, Takemoto Y, Onoue K, Somekawa S, Nishida T, Takeda Y, Kawata H, Horii M, Saito Y. Morphological features of coronary arteries in patients with coronary spastic angina: assessment with intracoronary optical coherence tomography. *Int J Cardiol.* 2011 Feb 3;146(3):334-40.
- 35: Takeda Y, Uemura S, Iwama H, Imagawa K, Nishida T, Onoue K, Takemoto Y, Soeda T, Okayama S, Somekawa S, Ishigami K, Takaoka M, Kawata H, Kubo A, Horii M, Nakajima T, Saito Y. Treatment with recombinant placental growth factor (PIGF) enhances both angiogenesis and arteriogenesis and improves survival after myocardial infarction. *Circ J.* 2009 Sep;73(9):1674-82.
- 36: Takemoto Y, Kawata H, Soeda T, Imagawa K, Somekawa S, Takeda Y, Uemura S, Matsumoto M, Fujimura Y, Jo J, Kimura Y, Tabata Y, Saito Y. Human placental ectonucleoside triphosphate diphosphohydrolase gene transfer via gelatin-coated stents prevents in-stent thrombosis. *Arterioscler Thromb Vasc Biol.* 2009 Jun;29(6):857-62.
- 37: Okayama S, Matsui M, Somekawa S, Iwano M, Saito Y. Non-contrast MRI for the evaluation of hydronephrotic and dysfunctional kidney secondary to testicular cancer. *Ren Fail.* 2009;31(2):153-8.
- 38: Okayama S, Hirai T, Yamashita N, Somekawa S, Iwano M, Uemura S, Kanauchi M, Saito Y. Contrast-enhanced ultrasonography with Sonazoid for evaluation of renal microcirculation. *J Med Ultrason.* (2001). 2008 Dec;35(4):183-9.

- 39: Okayama S, Uemura S, Nishida T, Morikawa Y, Onoue K, Takemoto Y, Soeda T, Somekawa S, Ishigami K, Takeda Y, Horii M, Kawata H, Takaoka M, Nakajima T, Saito Y. Progression of non-culprit coronary artery atherosclerosis after acute myocardial infarction in comparison with stable angina pectoris. *J Atheroscler Thromb.* 2008 Oct;15(5):228-34.
- 40: Zhang Q, Saito Y, Naya N, Imagawa K, Somekawa S, Kawata H, Takeda Y, Uemura S, Kishimoto I, Nakao K. The specific mineralocorticoid receptor blocker eplerenone attenuates left ventricular remodeling in mice lacking the gene encoding guanylyl cyclase-A. *Hypertens Res.* 2008 Jun;31(6):1251-6.
- 41: Okayama S, Imagawa K, Naya N, Iwama H, Somekawa S, Kawata H, Horii M, Nakajima T, Uemura S, Saito Y. Blocking T-type Ca²⁺ channels with efondipine decreased plasma aldosterone concentration in healthy volunteers. *Hypertens Res.* 2006 Jul;29(7):493-7.
- 42: Iwama H, Uemura S, Naya N, Imagawa K, Takemoto Y, Asai O, Onoue K, Okayama S, Somekawa S, Kida Y, Takeda Y, Nakatani K, Takaoka M, Kawata H, Horii M, Nakajima T, Doi N, Saito Y. Cardiac expression of placental growth factor predicts the improvement of chronic phase left ventricular function in patients with acute myocardial infarction. *J Am Coll Cardiol.* 2006 Apr 18;47(8):1559-67.
- 43: Kogata N, Arai Y, Pearson JT, Hashimoto K, Hidaka K, Koyama T, Somekawa S, Nakaoka Y, Ogawa M, Adams RH, Okada M, Mochizuki N. Cardiac ischemia activates vascular endothelial cadherin promoter in both preexisting vascular cells and bone marrow cells involved in neovascularization. *Circ Res.* 2006 Apr 14;98(7):897-904.
- 44: Fukuhara S, Sakurai A, Sano H, Yamagishi A, Somekawa S, Takakura N, Saito Y, Kangawa K, Mochizuki N. Cyclic AMP potentiates vascular endothelial cadherin-mediated cell-cell contact to enhance endothelial barrier function through an Epac-Rap1 signaling pathway. *Mol Cell Biol.* 2005 Jan;25(1):136-46.