

(A) 原著論文 (2015年)

1. Bavishi C., Messerli FH., Kadosh B., Ruilope LM., Kario K. : Role of neprilysin inhibitor combinations in hypertension: insights from hypertension and heart failure trials. *Eur Heart J.* 36:1967-1973, 2015.
2. Edison ES., Yano Y., Hoshide S., Kario K.: Association of electrocardiographic left ventricular hypertrophy with incident cardiovascular disease in Japanese older hypertensive patients. *Am J Hypertens.* 28: 527-534, 2015.
3. Eguchi K., Hoshide S., Kario K. : Effects of celiprolol and bisoprolol on blood pressure, vascular stiffness, and baroreflex sensitivity. *Am J Hypertens.* 28: 858-867, 2015.
4. Eguchi K., Hoshide S., Komori T., Nagasaka S., Kario K. : A new proposal for the target value for home BP in type 2 diabetes patients: the J-HOP Study. *Am J Hypertens.* 28: 971-979, 2015.
5. Fadl Elmula FE., Jin Y., Yang WY., Thijs L., Lu YC., Larstorp AC., Persu A., Sapoval M., Rosa J., Widimsky P., Jacobs L., Renkin J., Petrak O., Chatellier G., Shimada K., Widimsky J., Kario K., Azizi M., Kjeldsen SE., Staessen JA.; European Network Coordinating Research On Renal Denervation (ENCOReD) Consortium. Meta-analysis of randomized controlled trials of renal denervation in treatment-resistant hypertension. *Blood Press.* 24:263-274, 2015.
6. Gautam M., Fujita D., Kimura K., Ichikawa H., Izawa A., Hirose M., Kashihara T., Yamada M., **Takahashi M.**, Ikeda U., Shiba Y.: Transplantation of adipose-tissue-derived stem cells improves cardiac contractile function and electrical stability in a rat myocardial infarction model. *J Mol Cell Cardiol.* 81:139-149, 2015.
7. Hasegawa T., Asakura M., Eguchi K., Asanuma H., Ohara T., Kanzaki H., Hashimura K., Tomoike H., Kim J., Kitakaze M. : Plasma B-type natriuretic peptide is a useful tool for assessing coronary heart disease risk in a Japanese general population. *Hypertens Res.* 38:74-79, 2015.
8. Hoshide S., Kario K., de la Sierra A., Bilo G., Schillaci G., Banegas JR., Gorostidi M., Segura J., Lombardi C., Omboni S., Ruilope L., Mancia G., Parati G.: Ethnic differences in the degree of morning blood pressure surge and in its determinants between Japanese and European hypertensive subjects: Data from the ARTEMIS study. *Hypertension*;66:750-756, 2015.
9. Imai Y., Morita H., Takeda N., Miya F., Hyodo H., Fujita D., Tajima T., Tsunoda T., Nagai R., Kubo M., Komuro I.: A deletion mutation in myosin heavy chain 11 causing familial thoracic aortic dissection in two Japanese pedigrees. *Int J Cardiol.* Sep 15, 195:290-292, 2015.
10. Imaizumi Y., Eguchi K., Kario K. : Coexistence of PM2.5 and low temperature is associated with morning hypertension in hypertensives. *Clin Exp Hypertens.* 37 : 468-472, 2015.
11. Imaizumi Y., Eguchi K., Kario K.: Lung Disease and Hypertension. *Pulse (Basel).* 2015 ; 2 : 103-112.
12. Inoue Y., Takahashi M.: Comment on "Radiation exposure induces inflammatory pathway activation in immune cells". *J Immunol*,194 : 5039, 2015.
13. Ishiguro Y., Sasanuma H., Nitta N., Taniguchi N., Ogata Y., Yasuda Y., Akiyama I.: The

- arrhythmogenic effect of ultrasonic exposure with acoustic radiation force (ARF) impulse on the rabbit heart with ultrasound contrast agent perfluorobutane. *J Med Ultrason* (2001). 42:47-50, 2015.
14. Ishikawa J., Ishikawa S., Kario K. : Prolonged corrected QT interval is predictive of future stroke events even in subjects without ECG-diagnosed left ventricular hypertrophy. *Hypertension*, 65:554-560, 2015.
 15. Ishikawa J., Ishikawa S., Kario K.; the JMS Cohort Study Investigator Group.: Relationships between the QTc interval and cardiovascular, stroke, or sudden cardiac mortality in the general Japanese population. *J Cardiol*. 65 : 237-242, 2015.
 16. Iwasaki Y., Maejima Y., Suyama S., Yoshida M., Arai T., Katsurada K., Kumari P., Nakabayashi H., Kakei M., Yada T.: Peripheral oxytocin activates vagal afferent neurons to suppress feeding in normal and leptin-resistant mice: a route for ameliorating hyperphagia and obesity. *Am J Physiol Regul Integr Comp Physiol*. 308 : R360-R369, 2015.
 17. Kabutoya T., Kario K.: Depression in hypertension and blood pressure variability over shorter time periods. *Hypertens Res*. 38: 713-715, 2015.
 18. Kadoya H., Sato M., Sasaki T., Taniguchi S., Takahashi M., Kashihara N.: Excess aldosterone is a critical danger signal for inflammasome activation in the development of renal fibrosis in mice. *FASEB J*. 29: 3899-3910, 2015.
 19. Kagitani H., Hoshide S., Kario K. : Optimal indicators of home BP variability in perimenopausal women and associations with albuminuria and reproducibility: The J-HOT home BP study. *Am J Hypertens*. 28: 586-594, 2015.
 20. Karasawa T., Kawashima A., Usui F., Kimura H., Shirasuna K., Inoue Y., Komada T., Kobayashi M., Mizushina Y., Sagara J., Takahashi M.: Oligomerized CARD16 promotes caspase-1 assembly and IL-1 β processing. *FEBS Open Bio* 5: 348-356, 2015.
 21. Karasawa T., Takahashi M.: RIP140 as a novel therapeutic target in the treatment of atherosclerosis. *J Mol Cell Cardiol*. 81: 136-138, 2015.
 22. Karasawa T., Takahashi M. : Letter regarding article “Anti-inflammatory and anti-atherogenic effects of the inflammasome NLRP3 inhibitor, arglabin, in ApoE2.Ki mice fed a high fat diet” . *Circulation* 132: 21(e249), 2015.
 23. Kario K., Bhatt DL., Brar S., Cohen SA., Fahy M., Bakris GL. : Effect of catheter-based renal denervation on morning and nocturnal blood pressure: Insights from SYMPLICITY HTN-3 and SYMPLICITY HTN-Japan. *Hypertension*. 66: 1130-1137, 2015.
 24. Kario K., Hamasaki H.: Nocturnal blood pressure surge behind morning surge in obstructive sleep apnea syndrome: Another phenotype of systemic hemodynamic atherothrombotic syndrome. *J Clin Hypertens (Greenwich)*,17: 682-685, 2015.
 25. Kario K., Hoshide S., Haimoto H., Yamagiwa K., Uchiba K., Nagasaka S., Yano Y., Eguchi K., Matsui Y., Shimizu M., Ishikawa J., Ishikawa S.; the J-HOP study group. Sleep blood pressure self-measured at home as a novel determinant of organ damage: Japan morning surge home

- blood pressure (J-HOP) study. *J Clin Hypertens (Greenwich)*.17: 340-348, 2015.
26. Kario K., Hoshida S. : Age-related difference in the sleep pressure-lowering effect between an angiotensin II receptor blocker and a calcium channel blocker in Asian hypertensives: The ACS1 study. *Hypertension*, 65: 729-735, 2015.
 27. Kario K., Ogawa H., Okumura K., Okura T., Saito S., Ueno T., Haskin R., Negoita M., Shimada K.; SYMPLICITY HTN-Japan Investigators. SYMPLICITY HTN-Japan - First randomized controlled trial of catheter-based renal denervation in Asian patients. *Circ J*. 79: 1222-1229, 2015.
 28. Kario K. : HONEST to clarify association between home blood pressure and cardiovascular events under antihypertensive medication. *J Hum Hypertens*. 29 : 69, 2015.
 29. Kario K. : Morning surge in blood pressure: a phenotype of systemic hemodynamic atherothrombotic syndrome. *Am J Hypertens*. 28:7-9, 2015.
 30. Kario K. : Systemic hemodynamic atherothrombotic syndrome: A blind spot in the current management of hypertension. *J Clin Hypertens (Greenwich)*. 17: 328-331, 2015.
 31. Kario K. : Prognosis in relation to blood pressure variability: pro side of the argument. *Hypertens*. 65: 1163-1169, 2015.
 32. Kario K. : Preface: EDITORIAL COMMENT "Perfect 24-hr blood pressure control" from morning to nocturnal hypertension: Up-to-date 2015. *Curr Hypertens Rev*.11: 2-6, 2015.
 33. Kario K. : Key points of the Japanese Society of Hypertension guidelines for the management of hypertension in 2014. *Pulse (Basel)* 3: 35-47, 2015.
 34. Kimura H., Caturegli P., Takahashi M., Suzuki K.: New insights into the function of the immunoproteasome in immune and non-immune cells. *J Immunol Res*. :541984, 2015.
 35. Kimura H., Usui F., Karasawa T., Kawashima A., Shirasuna K., Inoue Y., Komada T., Kobayashi M., Mizushina Y., Kasahara T., Suzuki K., Iwasaki Y., Yada T., Caturegli P., Takahashi M.: Immunoproteasome LMP7 deficiency improves obesity and metabolic disorders. *Sci Rep*. 5 : 15883, 2015.
 36. Kitazawa T., Fujisawa K., Narboux-Neme N., Arima Y., Kawamura Y., Inoue T., Wada Y., Kohro T., Aburatani H., Kodama T., Kim KS., Sato T., Uchijima Y., Maeda K., Miyagawa-Tomita S., Minoux M., Rijli FM., Levi G., Kurihara Y., Kurihara H.: Distinct effects of Hoxa2 overexpression in cranial neural crest populations reveal that the mammalian hyomandibular-ceratochyl boundary maps within the styloid process. *Dev Biol*.402:162-174, 2015.
 37. Koga M., Yamagami H., Okuda S., Okada Y., Kimura K., Shiokawa Y., Nakagawara J., Furui E., Hasegawa Y., Kario K., Arihiro S., Sato S., Homma K., Matsuki T., Kinoshita N., Nagatsuka K., Minematsu K., Toyoda K.; SAMURAI Study Investigators. Blood glucose levels during the initial 72 h and 3-month functional outcomes in acute intracerebral hemorrhage: the SAMURAI-ICH study. *J Neurol Sci*. 350: 75-78, 2015.
 38. Komada T., Usui F., Kawashima A., Kimura H., Karasawa T., Inoue Y., Kobayashi M., Mizushina Y., Kasahara T., Taniguchi S., Muto S., Nagata D., Takahashi M.: Role of NLRP3 inflammasomes for rhabdomyolysis-induced acute kidney injury. *Sci Rep*. 5: 10901, 2015.

39. Komori T., Eguchi K., Saito T., Nishimura Y., Hoshide S., Kario K. : Riser blood pressure pattern is associated with mild cognitive impairment in heart failure patients. *Am J Hypertens.* 29:194-201, 2015.
40. Kushiro T., Kario K., Saito I., Teramukai S., Mori Y., Okuda Y., Shimada K. : Effectiveness of olmesartan-based treatment on home and clinic blood pressure in elderly patients with masked and white coat hypertension. *Hypertens Res.*38:178-185, 2015.
41. McMullan CJ., Yano Y., Bakris GL., Kario K., Phillips RA., Forman JP.: Racial impact of diurnal variations in blood pressure on cardiovascular events in chronic kidney disease. *J Am Soc Hypertens.* 9:299-306, 2015.
42. Miyagi T., Koga M., Yamagami H., Okuda S., Okada Y., Kimura K., Shiokawa Y., Nakagawara J., Furui E., Hasegawa Y., Kario K., Arihiro S., Sato S., Minematsu K., Toyoda K.: Reduced estimated glomerular filtration rate affects outcomes 3 months after intracerebral hemorrhage: The Stroke Acute Management with Urgent Risk-factor Assessment and Improvement-Intracerebral Hemorrhage Study. *J Stroke Cerebrovasc Dis.* 24:176-182, 2015.
43. Mizushina Y., Shirasuna K., Usui F., Karasawa T., Kawashima A., Kimura H., Kobayashi M., Komada T., Inoue Y., Mato N., Yamasawa H., Latz E., Iwakura Y., Kasahara T., Bando M., Sugiyama Y., Takahashi M. : NLRP3 protein deficiency exacerbates hyperoxia-induced lethality through Stat3 protein signaling independent of interleukin-1beta. *J Biol Chem.* 290: 5065-5077, 2015.
44. Nagai M., Hoshide S., Dote K., Kario K. : Visit-to-visit blood pressure variability and dementia. *Geriatr Gerontol Int.* 15 Suppl 1: 26-33, 2015.
45. Nagai M., Hoshide S., Takahashi M., Shimpo M., Kario K.: Sleep duration, kidney function, and their effects on cerebral small vessel disease in elderly hypertensive patients. *Am J Hypertens.* 28: 884-893, 2015.
46. Nagai M., Kario K.: Visit-to-visit blood pressure variability: a possible marker of cognitive decline in Alzheimer's disease? *Neurobiol Aging.* 36 e1, 2015.
47. Nagayama S., Ohkuchi A., Shirasuna K., Takahashi K., Suzuki H., Hirashima C., Sakata A., Nishimura S., Takahashi M., Matsubara S. : The frequency of peripheral blood CD4+Fox3+ regulatory T cells in women with preeclampsia and those with high risk factors for preeclampsia. *Hypertens Preg.* 34: 443-455, 2015.
48. Natsuaki M., Kozuma K., Morimoto T., Kadota K., Muramatsu T., Nakagawa Y., Akasaka T., Igarashi K., Tanabe K., Morino Y., Ishikawa T., Nishikawa H., Awata M., Abe M., Okada H., Takatsu Y., Ogata N., Kimura K., Urasawa K., Tarutani Y., Shiode N., Kimura T.: Final 3-Year Outcome of a Randomized Trial Comparing Second-Generation Drug-Eluting Stents Using Either Biodegradable Polymer or Durable Polymer: NOBORI Biolimus-Eluting Versus XIENCE/PROMUS Everolimus-Eluting Stent Trial. *Circ Cardiovasc Interv.*; 8(10), 2015.
49. Nishizawa M., Hoshide S., Okawara Y., Shimpo M., Matsuo T., Kario K. : Aftershock triggers augmented pressor effects in survivors: Follow-up of the great east Japan earthquake. *Am J*

Hypertens. 28 : 1405-1408, 2015.

50. Oba Y., Watanabe H., Nishimura Y., Ueno S., Nagashima T., Imai Y., Shimpo M., Kario K. : A case of adult-onset acute rheumatic fever with long-lasting atrioventricular block requiring permanent pacemaker implantation. *Int Heart J.* 56 : 664-667, 2015.
51. Osaki M., Koga M., Maeda K., Hasegawa Y., Nakagawara J., Furui E., Todo K., Kimura K., Shiokawa Y., Okada Y., Okuda S., Kario K., Yamagami H., Minematsu K., Kitazono T., Toyoda K. ; Stroke Acute Management with Urgent Risk-factor Assessment and Improvement (SAMURAI) Study Investigators. A multicenter, prospective, observational study of warfarin-associated intracerebral hemorrhage: The SAMURAI-WAICH study. *J Neurol Sci.* 359:72-77, 2015.
52. Park JB., Kario K., Wang JG. : Systolic hypertension: an increasing clinical challenge in Asia. *Hypertens Res.* 38:227-236, 2015.
53. Roush GC., Fagard RH., Salles GF., Pierdomenico SD., Reboldi G., Verdecchia P., Eguchi K., Kario K., Hoshide S., Polonia J., de la Sierra A., Hermida RC., Dolan E., Fapohunda J. ; ABC-H Investigators. Prognostic impact of sex-ambulatory blood pressure interactions in 10 cohorts of 17312 patients diagnosed with hypertension: systematic review and meta-analysis. *J Hypertens.* 33: 212-220, 2015.
54. Sakamoto A., Ishizaka N., Imai Y., Uehara M., Ando J., Nagai R., Komuro I.: Association between serum IgG4 concentrations and the morphology of the aorta in patients who undergo cardiac computed tomography. *J Cardiol.* 65:150-156, 2015.
55. Sakamoto A., Ishizaka N., Imai Y., Uehara M., Ando J., Nagai R., Komuro I.: Relationship between serum IgG4 concentrations and atherosclerotic coronary plaques assessed by computed tomographic angiography. *J Cardiol.* 67:254-261, 2015.
56. Sakamoto K., Kawamura M., Kohro T., Omura M., Watanabe T., Ashidate K., Horiuchi T., Hara H., Sekine N., Chin R., Tsujino M., Hiyoshi T., Tagami M., Tanaka A., Mori Y., Inazawa T., Hirano T., Yamazaki T., Shiba T. ; RESEARCH Study Group. Effect of Ezetimibe on LDL-C Lowering and Atherogenic Lipoprotein Profiles in Type 2 Diabetic Patients Poorly Controlled by Statins. *PLoS One:* 10, e0138332, 2015.
57. Sakamoto Y., Koga M., Todo K., Okuda S., Okada Y., Kimura K., Shiokawa Y., Kamiyama K., Furui E., Hasegawa Y., Kario K., Okata T., Kobayashi J., Tanaka E., Yamagami H., Nagatsuka K., Minematsu K., Toyoda K. ; for the SAMURAI study investigators. Relative systolic blood pressure reduction and clinical outcomes in hyperacute intracerebral hemorrhage: the SAMURAI-ICH observational study. *J Hypertens.* 33:1069-1073, 2015.
58. Shibasaki S., Hoshide S., Eguchi K., Ishikawa J., Kario K. ; on behalf of the Japan Morning Surge-Home Blood Pressure (J-HOP) Study Group. Increase trend in home blood pressure on a single occasion is associated with B-type natriuretic peptide and the estimated glomerular filtration rate. *Am J Hypertens.* 28: 1098-1105, 2015.
59. Shimada K., Kario K., Kushiro T., Teramukai S., Ishikawa Y., Kobayashi F., Saito I. : Differences between clinic blood pressure and morning home blood pressure, as shown by Bland-Altman

- plots, in a large observational study (HONEST study). *Hypertens Res.* 38: 876-882, 2015.
60. Shimizu M., Hoshide S., Ishikawa J., Yano Y., Eguchi K., Kario K. : Correlation of central blood pressure to hypertensive target organ damages during antihypertensive treatment: the J-TOP Study. *Am J Hypertens.* 28 : 980-988, 2015.
 61. Shirasuna K., Karasawa T., Usui F., Kobayashi M., Komada T., Kimura H., Kawashima A., Ohkuchi A., Taniguchi S., Takahashi M.: NLRP3 deficiency improves angiotensin II-induced hypertension but not fetal growth restriction during pregnancy. *Endocrinology*, 156: 4281-4292, 2015.
 62. Shirasuna K., Usui F., Karasawa T., Kimura H., Kawashima A., Mizukami H., Ohkuchi A., Nishimura S., Sagara J., Noda T., Ozawa K., Taniguchi S., Takahashi M. Nanosilica-induced placental inflammation and pregnancy complications: Different roles of the inflammasome components NLRP3 and ASC. *Nanotoxicology*, 9: 554-567, 2015.
 63. Takahashi M.: High-mobility group box 1 protein in myocardial infarction: Should it be stimulated or inhibited? *J Atheroscler Thromb.* 22: 553-554, 2015.
 64. Tomiyama H., Kohro T., Higashi Y., Takase B., Suzuki T., Ishizu T., Ueda S., Yamazaki T., Furumoto T., Kario K., Inoue T., Koba S., Watanabe K., Takemoto Y., Hano T., Sata M., Ishibashi Y., Node K., Maemura K., Ohya Y., Furukawa T., Ito H., Ikeda H., Yamashina A. : Reliability of measurement of endothelial function across multiple institutions and establishment of reference values in Japanese. *Atherosclerosis*, 242: 433-442, 2015.
 65. Toyoda K., Arihiro S., Todo K., Yamagami H., Kimura K., Furui E., Terasaki T., Shiokawa Y., Kamiyama K., Takizawa S., Okuda S., Okada Y., Kameda T., Nagakane Y., Hasegawa Y., Mochizuki H., Ito Y., Nakashima T., Takamatsu K., Nishiyama K., Kario K., Sato S., Koga M. ; SAMURAI Study Investigators. : Trends in oral anticoagulant choice for acute stroke patients with nonvalvular atrial fibrillation in Japan: The SAMURAI-NVAF Study. *Int J Stroke*; 10: 836-842, 2015.
 66. Usui F., Kobayashi M., Takahashi M.: Letter regarding article "Inhibition of interleukin-1beta decrease aneurysm formation and progression in murine model of thoracic aortic aneurysm" . *Circulation*, 131, e399, 2015.
 67. Usui F., Shirasuna K., Kimura H., Tatsumi K., Kawashima A., Karasawa T., Yoshimura K., Aoki H., Tsustui H., Noda T., Sagara J., Taniguchi S., Takahashi M.: Inflammasome activation by mitochondrial oxidative stress in macrophages leads to the development of angiotensin II-induced aortic aneurysm. *Arterioscler Thromb Vasc Biol.* 35: 127-136, 2015.
 68. Yamashita E., Takeuchi M., Seo Y., Izumo M., Ishizu T., Sato K., Suzuki K., Akashi YJ., Aonuma K., Otsuji Y., Oshima S.: Prognostic value of paradoxical low-gradient severe aortic stenosis in Japan: Japanese Multicenter Aortic Stenosis Study, Retrospective (JUST-R) Registry. *J. Cardiol.* 65:360-368, 2015.
 69. Yano K., Yasuda H., Takaoka K., Takahashi M., Nakamura H., Imai Y., Wakitani S. : Fate, origin and roles of cells within free bone grafts. *J Orthop Sci.* 20 : 390-396, 2015.

70. Yokota K., Sakurada T., Koitabashi K., Shibagaki Y., Kario K., Kimura K.: Association between residual kidney function and visit-to-visit blood pressure variability in peritoneal dialysis patients. *Adv Perit Dial.* 31: 49-53, 2015.