

## 歐文業績（2015）

1. Aoyama Y, Kobayashi K, Morishita Y, Maeda K, Murohara T. Wnt11 gene therapy with adeno-associated virus 9 improves the survival of mice with myocarditis induced by coxsackievirus B3 through the suppression of the inflammatory reaction. *J Mol Cell Cardiol.* 2015;84:45-51.
2. Bando YK, Murohara T. Ultrasound of silence abdominal aortic aneurysm. *Circ J.* 2015;79:503-4.
3. Chatani N, Kamada Y, Kizu T, Ogura S, Furuta K, Egawa M, Hamano M, Ezaki H, Kiso S, Shimono A, Ouchi N, Yoshida Y, Takehara T. Secreted frizzled-related protein 5 (Sfrp5) decreases hepatic stellate cell activation and liver fibrosis. *Liver Int.* 2015;35:2017-26.
4. Hamrah MS, Suzuki S, Ishii H, Shibata Y, Tatami Y, Osugi N, Ota T, Kawamura Y, Tanaka A, Aso H, Takeshita K, Sakamoto J, Hasegawa Y, Murohara T. Impact of airflow limitation on carotid atherosclerosis in coronary artery disease patients. *Respiration.* 2015;89:322-8.
5. Harada M, Tadevosyan A, Qi X, Xiao J, Liu T, Voigt N, Karck M, Kamler M, Kodama I, Murohara T, Dobrev D, Nattel S. Atrial Fibrillation Activates AMP-Dependent Protein Kinase and its Regulation of Cellular Calcium Handling: Potential Role in Metabolic Adaptation and Prevention of Progression. *J Am Coll Cardiol.* 2015;66:47-58.
6. Harata S, Isobe S, Morishima I, Suzuki S, Tsuboi H, Sone T, Ishii H, Murohara T. Application of the newly developed Japanese adenosine normal database for adenosine stress myocardial scintigraphy. *Ann Nucl Med.* 2015;29:730-9.
7. Hayakawa S, Ohashi K, Shibata R, Kataoka Y, Miyabe M, Enomoto T, Joki Y, Shimizu Y, Kambara T, Uemura Y, Yuasa D, Ogawa H, Matsuo K, Hiramatsu-Ito M, van den Hoff MJ, Walsh K, Murohara T, Ouchi N. Cardiac myocyte-derived follistatin-like 1 prevents renal injury in a subtotal nephrectomy model. *J Am Soc Nephrol.* 2015;26:636-46.

8. Hayano S, Takefuji M, Maeda K, Noda T, Ichimiya H, Kobayashi K, Enomoto A, Asai N, Takahashi M, Murohara T. Akt-dependent Girdin phosphorylation regulates repair processes after acute myocardial infarction. *J Mol Cell Cardiol.* 2015;88:55-63.
9. Hernandez I, Arafune T, Shibata N, Yamazaki M, Honjyo H, Sakuma I. Optical mapping with a precise image registration to observe late phase 3 EAD. *Journal of Medical and Bioengineering.* 2015;4:41-46.
10. Ichimiya H, Maeda K, Enomoto A, Weng L, Takahashi M, Murohara T. Girdin/GIV regulates transendothelial permeability by controlling VE-cadherin trafficking through the small GTPase, R-Ras. *Biochem Biophys Res Commun.* 2015;461:260-7.
11. Ishii H, Murohara T. How Can We Improve Prognosis in Patients With Acute Myocardial Infarction?- Lesson From Patients Without Primary Percutaneous Coronary Intervention. *Circ J.* 2015;79:1900-1.
12. Ishii H, Murohara T. Protective effects of n-3 polyunsaturated fatty acids levels in patients with acute myocardial infarction - A new target to prevent reperfusion injury. *J Cardiol.* 2015;66:97-8.
13. Ishii H, Murohara T. Can lipid profiles predict clinical outcomes in hemodialysis patients with ischemic heart disease? *J Cardiol.* 2015;65:87-8.
14. Joki Y, Ohashi K, Yuasa D, Shibata R, Ito M, Matsuo K, Kambara T, Uemura Y, Hayakawa S, Hiramatsu-Ito M, Kanemura N, Ogawa H, Daida H, Murohara T, Ouchi N. FGF21 attenuates pathological myocardial remodeling following myocardial infarction through the adiponectin-dependent mechanism. *Biochem Biophys Res Commun.* 2015;459:124-30.
15. Joki Y, Ohashi K, Yuasa D, Shibata R, Kataoka Y, Kambara T, Uemura Y, Matsuo K, Hayakawa S, Hiramatsu-Ito M, Kanemura N, Ito M, Ogawa H, Daida H, Murohara T, Ouchi N. Neuron-derived neurotrophic factor ameliorates adverse cardiac remodeling after experimental myocardial infarction. *Circ Heart Fail.* 2015;8:342-51.

16. Jones SP, Tang XL, Guo Y, Steenbergen C, Lefer DJ, Kukreja RC, Kong M, Li Q, Bhushan S, Zhu X, Du J, Nong Y, Stowers HL, Kondo K, Hunt GN, Goodchild TT, Orr A, Chang CC, Ockaili R, Salloum FN, Bolli R. The NHLBI-sponsored Consortium for preclinical assessment of cardioprotective therapies (CAESAR): a new paradigm for rigorous, accurate, and reproducible evaluation of putative infarct-sparing interventions in mice, rabbits, and pigs. *Circ Res*. 2015;116:572-86.
17. Kambara T, Shibata R, Ohashi K, Matsuo K, Hiramatsu-Ito M, Enomoto T, Yuasa D, Ito M, Hayakawa S, Ogawa H, Aprahamian T, Walsh K, Murohara T, Ouchi N. C1q/Tumor Necrosis Factor-Related Protein 9 Protects against Acute Myocardial Injury through an Adiponectin Receptor I-AMPK-Dependent Mechanism. *Mol Cell Biol*. 2015;35:2173-85.
18. Kawai H, Watanabe E, Yamamoto M, Harigaya H, Sano K, Takatsu H, Muramatsu T, Naruse H, Sobue Y, Motoyama S, Sarai M, Takahashi H, Arakawa T, Kan S, Sugiura A, Murohara T, Ozaki Y. Major bleeding complications related to combined antithrombotic therapy in atrial fibrillation patients 12 months after coronary artery stenting. *J Cardiol*. 2015;65:197-202.
19. Kokubo M, Shimizu A, Mitsui T, Miyagi M, Nomoto K, Murohara T, Toba K, Sakurai T. Impact of night-time blood pressure on cerebral white matter hyperintensity in elderly hypertensive patients. *Geriatr Gerontol Int*. 2015;15 Suppl 1:59-65.
20. Kumada Y, Nogaki H, Ishii H, Aoyama T, Kamoi D, Takahashi H, Murohara T. Clinical outcome after infrapopliteal bypass surgery in chronic hemodialysis patients with critical limb ischemia. *J Vasc Surg*. 2015;61:400-4.
21. Kumagai S, Amano T, Takashima H, Waseda K, Kurita A, ,o H, Maeda K, Ito Y, Ishii H, Hayashi M, Yoshikawa D, Suzuki S, Tanaka A, Matsubara T, Murohara T. Impact of cigarette smoking on coronary plaque composition. *Coron Artery Dis*. 2015;26:60-5.
22. Li X, Cheng XW, Hu L, Wu H, Guo P, Hao CN, Jiang H, Zhu E, Huang Z, Inoue A, Sasaki T, Du Q, Takeshita K, Okumura K, Murohara T, Kuzuya M. Cathepsin S activity controls ischemia-induced neovascularization in mice. *Int J Cardiol*. 2015;183:198-208.

23. Matsuo K, Shibata R, Ohashi K, Kambara T, Uemura Y, Hiramatsu-Ito M, Enomoto T, Yuasa D, Joki Y, Ito M, Hayakawa S, Ogawa H, Kihara S, Murohara T, Ouchi N. Omentin functions to attenuate cardiac hypertrophic response. *J Mol Cell Cardiol.* 2015;79:195-202.
24. Matsuura N, Asano C, Nagasawa K, Ito S, Sano Y, Minagawa Y, Yamada Y, Hattori T, Watanabe S, Murohara T, Nagata K. Effects of pioglitazone on cardiac and adipose tissue pathology in rats with metabolic syndrome. *Int J Cardiol.* 2015;179:360-9.
25. Matsuura N, Nagasawa K, Minagawa Y, Ito S, Sano Y, Yamada Y, Hattori T, Watanabe S, Murohara T, Nagata K. Restraint stress exacerbates cardiac and adipose tissue pathology via beta-adrenergic signaling in rats with metabolic syndrome. *Am J Physiol Heart Circ Physiol.* 2015;308:H1275-86.
26. Mizuno Y, Harada E, Morita S, Kinoshita K, Hayashida M, Shono M, Morikawa Y, Murohara T, Nakayama M, Yoshimura M, Yasue H. Response to Letter Regarding Article, "East Asian Variant of Aldehyde Dehydrogenase 2 Is Associated With Coronary Spastic Angina: Possible Roles of Reactive Aldehydes and Implications of Alcohol Flushing Syndrome". *Circulation.* 2015;132:e383-4.
27. Mizuno Y, Harada E, Morita S, Kinoshita K, Hayashida M, Shono M, Morikawa Y, Murohara T, Nakayama M, Yoshimura M, Yasue H. East asian variant of aldehyde dehydrogenase 2 is associated with coronary spastic angina: possible roles of reactive aldehydes and implications of alcohol flushing syndrome. *Circulation.* 2015;131:1665-73.
28. Mori H, Isobe S, Sakai S, Yamada T, Watanabe N, Miura M, Uchida Y, Kanashiro M, Ichimiya S, Okumura T, Murohara T. Microvascular obstruction on delayed enhancement cardiac magnetic resonance imaging after acute myocardial infarction, compared with myocardial (201)Tl and (123)I-BMIPP dual SPECT findings. *Eur J Radiol.* 2015;84:1516-24.
29. Morishima I, Tomomatsu T, Okumura K, Sone T, Tsuboi H, Morita Y, Inoue Y, Yoshida R, Yura Y, Murohara T. New-onset atrial fibrillation may be a more important predictor of cardiac mortality in acute myocardial infarction patients than preexisting atrial fibrillation. *Int J Cardiol.* 2015;187:475-7.

30. Murohara T. Report of the American College of Cardiology (ACC) Scientific Sessions 2015, San Diego. *Circ J.* 2015;79:1193-8.
31. Nagao T, Inden Y, Shimano M, Fujita M, Yanagisawa S, Kato H, Ishikawa S, Miyoshi A, Okumura S, Ohguchi S, Yamamoto T, Yoshida N, Hirai M, Murohara T. Feasibility and safety of uninterrupted dabigatran therapy in patients undergoing ablation for atrial fibrillation. *Intern Med.* 2015;54:1167-73.
32. Nagao T, Inden Y, Shimano M, Fujita M, Yanagisawa S, Kato H, Ishikawa S, Miyoshi A, Okumura S, Ohguchi S, Yamamoto T, Yoshida N, Hirai M, Murohara T. Efficacy and safety of apixaban in the patients undergoing the ablation of atrial fibrillation. *Pacing Clin Electrophysiol.* 2015;38:155-63.
33. Nagao T, Inden Y, Yanagisawa S, Kato H, Ishikawa S, Okumura S, Mizutani Y, Ito T, Yamamoto T, Yoshida N, Hirai M, Murohara T. Differences in activated clotting time among uninterrupted anticoagulants during the periprocedural period of atrial fibrillation ablation. *Heart Rhythm.* 2015;12:1972-8.
34. Nagasawa K, Takahashi K, Matsuura N, Takatsu M, Hattori T, Watanabe S, Harada E, Niinuma K, Murohara T, Nagata K. Comparative effects of valsartan in combination with cilnidipine or amlodipine on cardiac remodeling and diastolic dysfunction in Dahl salt-sensitive rats. *Hypertens Res.* 2015;38:39-47.
35. Nakano Y, Kondo T, Osanai H, Murase Y, Nakashima Y, Asano H, Ajioka M, Sakai K, Inden Y, Murohara T. Clinical usefulness of measuring prothrombin time and soluble fibrin levels in Japanese patients with atrial fibrillation receiving rivaroxaban. *J Cardiol.* 2015;65:185-90.
36. Niwa M, Numaguchi Y, Ishii M, Kuwahata T, Kondo M, Shibata R, Miyata K, Oike Y, Murohara T. IRAP deficiency attenuates diet-induced obesity in mice through increased energy expenditure. *Biochem Biophys Res Commun.* 2015;457:12-8.

37. Noda T, Maeda K, Hayano S, Asai N, Enomoto A, Takahashi M, Murohara T. New endoplasmic reticulum stress regulator, Gipie, regulates the survival of vascular smooth muscle cells and the neointima formation after vascular injury. *Arterioscler Thromb Vasc Biol.* 2015;35:1246-53.
38. Ogasawara S, Mukawa H, Sone T, Tsuboi H, Morishima I, Uesugi M, Matsushita E, Morita Y, Okumura K, Murohara T. Presence of myocardial hypoenhancement on multidetector computed tomography after primary percutaneous coronary intervention in acute myocardial infarction predicts poor prognosis. *Int J Cardiol.* 2015;184:101-7.
39. Ogawa H, Ajioka M, Ishii H, Okumura T, Murase Y, Osanai H, Nakasima Y, Asano H, Sakai K, Murohara T. Long-term effects of tolvaptan in patients requiring recurrent hospitalization for heart failure. *Nagoya J Med Sci.* 2015;77:355-62.
40. Ohashi K, Yuasa D, Shibata R, Murohara T, Ouchi N. Adiponectin as a Target in Obesity-related Inflammatory State. *Endocr Metab Immune Disord Drug Targets.* 2015;15:145-50.
41. Okumura K, Tsukamoto H, Tsuboi H, Hirayama H, Kamiya H, Watarai M, Ishiki R, Murohara T, Samurai Study I. High HDL cholesterol level after treatment with pitavastatin is an important factor for regression in carotid intima-media thickness. *Heart Vessels.* 2015;30:154-61.
42. Ota T, Ishii H, Suzuki S, Shibata Y, Tatami Y, Harata S, Shimbo Y, Takayama Y, Tanaka A, Kawamura Y, Osugi N, Maeda K, Kondo T, Murohara T. Impact of the statin escape phenomenon on long-term clinical outcomes in patients with acute myocardial infarction: Subgroup analysis of the Nagoya Acute Myocardial Infarction Study (NAMIS). *Atherosclerosis.* 2015;242:155-60.

43. Ota T, Ishii H, Suzuki S, Tanaka A, Shibata Y, Tatami Y, Harata S, Shimbo Y, Takayama Y, Kawamura Y, Osugi N, Maeda K, Kondo T, Murohara T. Relation between paradoxical decrease in high-density lipoprotein cholesterol levels after statin therapy and adverse cardiovascular events in patients with acute myocardial infarction. *Am J Cardiol.* 2015;115:411-6.
44. Saito Y, Watanabe M, Aonuma K, Hirayama A, Tamaki N, Tsutsui H, Murohara T, Ogawa H, Akasaka T, Yoshimura M, Sato A, Takayama T, Sakakibara M, Suzuki S, Ishigami K, Onoue K, investigators C-Js. Proteinuria and Reduced Estimated Glomerular Filtration Rate Are Independent Risk Factors for Contrast-Induced Nephropathy After Cardiac Catheterization. *Circ J.* 2015;79:1624-30.
45. Shibata Y, Sone T, Tsuboi H, Isobe S, Ishii H, Suzuki S, Hayashi M, Murohara T. Left ventricular dyssynchrony in patients with moderate coronary stenosis and border line fractional flow reserve. *Nagoya J Med Sci.* 2015;77:155-66.
46. Shimazu S, Hirashiki A, Kamimura Y, Nakano Y, Adachi S, Kondo T, Murohara T. Assessment of respiratory disturbance index determined with a non-restrictive monitor and of autonomic nervous system parameters in heart failure patients: A pilot study. *J Cardiol.* 2015;66:218-23.
47. Shimbo Y, Suzuki S, Ishii H, Shibata Y, Tatami Y, Harata S, Osugi N, Ota T, Tanaka A, Shibata K, Mizukoshi T, Yasuda Y, Maruyama S, Murohara T. Association of Estimated Glomerular Filtration Rate and Proteinuria With Lipid-Rich Plaque in Coronary Artery Disease. *Circ J.* 2015;79:2263-70.
48. Shimizu A, Kokubo M, Mitsui T, Miyagi M, Nomoto K, Murohara T, Toba K, Sakurai T. Left ventricular diastolic dysfunction is directly associated with cerebral white matter lesions in elderly patients. *Geriatr Gerontol Int.* 2015;15 Suppl 1:81-2.
49. Shimizu Y, Calvert JW, Murohara T. Adipose-Derived Regenerative Cells for Cardiovascular Regeneration--A Novel Therapy for the Cardiac Conduction System. *Circ J.* 2015;79:2555-6.

50. Sugiura Kojima M, Noda A, Miyata S, Kojima J, Hara Y, Minoshima M, Murohara T. The Effect of Habitual Physical Training on Left Ventricular Function During Exercise Assessed by Three-Dimensional Echocardiography. *Echocardiography*. 2015;32:1670-5.
51. Suzuki S, Ichimiya S, Kanashiro M, Okamoto H, Ishii H, Murohara T. Acute thrombotic occlusion of a giant right coronary artery aneurysm. *J Card Surg*. 2015;30:436-7.
52. Takahashi K, Murase T, Takatsu M, Matsuura N, Nagasawa K, Hattori T, Watanabe S, Murohara T, Nagata K. Roles of oxidative stress and the mineralocorticoid receptor in cardiac pathology in a rat model of metabolic syndrome. *Nagoya J Med Sci*. 2015;77:275-89.
53. Takahashi N, Shibata R, Ouchi N, Sugimoto M, Murohara T, Komori K. Metformin stimulates ischemia-induced revascularization through an eNOS dependent pathway in the ischemic hindlimb mice model. *J Vasc Surg*. 2015;61:489-96.
54. Takeshita K, Matsushita T, Murohara T. Asymptomatic left atrial thrombus in a dialysis-dependent patient free of thrombogenic abnormalities. *Ther Apher Dial*. 2015;19:93-4.
55. Takeshita M, Shinoda N, Takashima H, Kurita A, Ando H, Harada K, Uetani T, Gosho M, Murohara T, Amano T. Noninvasive mathematical analysis of spectral electrocardiographic components for coronary lesions of intermediate to obstructive stenosis severity-relationship with classic and functional SYNTAX score. *Catheter Cardiovasc Interv*. 2015;86:21-9.
56. Takeshita Y, Watanabe S, Hattori T, Nagasawa K, Matsuura N, Takahashi K, Murohara T, Nagata K. Blockade of glucocorticoid receptors with RU486 attenuates cardiac damage and adipose tissue inflammation in a rat model of metabolic syndrome. *Hypertens Res*. 2015;38:741-50.
57. Tanaka A, Ishii H, Oshima H, Narita Y, Kodama A, Suzuki S, Komori K, Usui A, Murohara T. Inverse association between diabetes and aortic dilatation in patients with advanced coronary artery disease. *Atherosclerosis*. 2015;242:123-7.

58. Tanigawa T, Shibata R, Kondo K, Katahira N, Kambara T, Inoue Y, Nonoyama H, Horibe Y, Ueda H, Murohara T. Soybean beta-Conglycinin Prevents Age-Related Hearing Impairment. *PLoS One*. 2015;10:e0137493.
59. Tatami Y, Yasuda Y, Suzuki S, Ishii H, Sawai A, Shibata Y, Ota T, Shibata K, Niwa M, Morimoto R, Hayashi M, Kato S, Maruyama S, Murohara T. Impact of abdominal aortic calcification on long-term cardiovascular outcomes in patients with chronic kidney disease. *Atherosclerosis*. 2015;243:349-55.
60. Tsuda T, Ishii H, Ichimiya S, Kanashiro M, Watanabe J, Takefuji M, Aoyama T, Suzuki S, Tanaka A, Matsubara T, Murohara T. Assessment of In-Stent Restenosis Using High-Definition Computed Tomography With a New Gemstone Detector. *Circ J*. 2015;79:1542-8.
61. Uchida Y, Ichimiya S, Ishii H, Kanashiro M, Watanabe J, Hayano S, Suzuki S, Takeshita K, Sakai S, Amano T, Matsubara T, Murohara T. Impact of Admission Anemia on Coronary Microcirculation and Clinical Outcomes in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention. *Int Heart J*. 2015;56:381-8.
62. Uemura Y, Shibata R, Kanemura N, Ohashi K, Kambara T, Hiramatsu-Ito M, Enomoto T, Yuasa D, Joki Y, Matsuo K, Ito M, Hayakawa S, Ogawa H, Murohara T, Ouchi N. Adipose-derived protein omentin prevents neointimal formation after arterial injury. *FASEB J*. 2015;29:141-51.
63. Ueyama C, Horibe H, Yamase Y, Fujimaki T, Oguri M, Kato K, Arai M, Watanabe S, Murohara T, Yamada Y. Association of FURIN and ZPR1 polymorphisms with metabolic syndrome. *Biomed Rep*. 2015;3:641-647.
64. Wang J, Sun C, Gerdes N, Liu C, Liao M, Liu J, Shi MA, He A, Zhou Y, Sukhova GK, Chen H, Cheng XW, Kuzuya M, Murohara T, Zhang J, Cheng X, Jiang M, Shull GE, Rogers S, Yang CL, Ke Q, Jelen S, Bindels R, Ellison DH, Jarolim P, Libby P, Shi GP. Interleukin 18 function in atherosclerosis is mediated by the interleukin 18 receptor and the Na-Cl co-transporter. *Nat Med*. 2015;21:820-6.

65. Yamaguchi S, Shibata R, Yamamoto N, Nishikawa M, Hibi H, Tanigawa T, Ueda M, Murohara T, Yamamoto A. Dental pulp-derived stem cell conditioned medium reduces cardiac injury following ischemia-reperfusion. *Sci Rep.* 2015;5:16295.
66. Yamamoto T, Shimano M, Inden Y, Takefuji M, Yanagisawa S, Yoshida N, Tsuji Y, Hirai M, Murohara T. Alogliptin, a dipeptidyl peptidase-4 inhibitor, regulates the atrial arrhythmogenic substrate in rabbits. *Heart Rhythm.* 2015;12:1362-9.
67. Yamamura Y, Asai N, Enomoto A, Kato T, Mii S, Kondo Y, Ushida K, Niimi K, Tsunoda N, Nagino M, Ichihara S, Furukawa K, Maeda K, Murohara , Takahashi M. Akt-Girdin signaling in cancer-associated fibroblasts contributes to tumor progression. *Cancer Res.* 2015;75:813-23.
68. Yamazaki M, Avula U, Berenfeld O, Kalifa J. Mechanistic Comparison of “Nearly Missed” Versus “On-Target” Rotor Ablation. *JACC CEP.* 2015;1:256-269.
69. Yanagisawa S, Inden Y, Shimano M, Yoshida N, Ishikawa S, Kato H, Okumura S, Miyoshi-Fujii A, Nagao T, Yamamoto T, Mizutani Y, Ito T, Hirai M, Murohara T. Impact of cardiac resynchronization therapy-defibrillator implantation on the association between body mass index and prognosis in patients with heart failure. *J Interv Card Electrophysiol.* 2015;43:269-77.
70. Yoshinaga M, Yoshikawa D, Ishii H, Hirashiki A, Okumura T, Kubota A, Sakai S, Harada K, Somura F, Mizuno T, Fujiwara W, Yokoi H, Hayashi M, Ishii J, Ozaki Y, Murohara T, Yoshida Y, Amano T, Izawa H. Clinical Characteristics and Long-Term Outcomes of Hypertrophic Cardiomyopathy. *Int Heart J.* 2015;56:415-20.