

## Curriculum Vitae

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## BIBLIOGRAPHY

First author

- 1) Yamaguchi J, Kawaguchi M, Kawana M, Asano R, Sumiyoshi T, Kasanuki H : Risk factors and effect of reperfusion therapy on left ventricular free wall rupture following acute myocardial infarction. *J Cardiol.* 2000; 35: 257-265.
- 2) Yamaguchi J, Fukushima KK, Masuo O, Kawamoto A, Silver M, Murasawa S, Bosch-Marce M, Masuda H, Losordo DW, Isner JM, Asahara T: Stromal Cell-Derived Factor-1 Effects on Ex Vivo Expanded Endothelial Progenitor Cell Recruitment for Ischemic Neovascularization. *Circulation.* 2003; 107: 1322-1328.
- 3) Yamaguchi J, Kasanuki H, Ishii Y, Yagi M, Ogawa H, Fujii S, Koganei H, Okada H, Kimura H, Horie T, Haze K, Sumiyoshi T, Honda T, for the HIJC Study Group: Prognostic significance of serum creatinine concentration for in-hospital mortality in patients with acute myocardial infarction who underwent successful primary percutaneous coronary intervention (from the Heart Institute of Japan Acute Myocardial Infarction [HIJAMI] Registry). *Am J Cardiol* 2004; 93: 1526-1528.
- 4) Yamaguchi J, Muto M, Fuda Y, Enta K, Okada H, Sakamoto H, Ishikawa T, Imai K, Horie T: Serum Creatinine Level Predicts Post Discharge Prognosis in Acute Myocardial Infarction Patients Who Received Successful Early revascularization -A Single Center Experience -. *J Jpn Coron Assoc* 2004; 10: 154-157.
- 5) Yamaguchi J, Kasanuki H, Ishii Y, Yagi M, Nagashima M, Fujii S, Koyanagi R, Ogawa H, Hagiwara N, Haze K, Sumiyoshi T, Honda T; HIJC Investigators: Serum creatinine on admission predicts long-term mortality in acute myocardial infarction patients undergoing successful primary angioplasty: data from the Heart Institute of Japan Acute Myocardial Infarction (HIJAMI) Registry. *Circ J.* 2007; 71: 1354-1359.
- 6) Yamaguchi J, Hagiwara N, Ogawa H, Koyanagi R, Kasanuki H, Takagi A, Mori F, Nagashima M, Yagi M; HIJ-CREATE Investigators: Effect of amlodipine + candesartan on cardiovascular events in hypertensive patients with coronary artery disease (from The Heart Institute of Japan Candesartan Randomized

Trial for Evaluation in Coronary Artery Disease [HIJ-CREATE] Study). Am J Cardiol. 2010; 106: 819-824.

- 7) Yamaguchi J, Ogawa H, Hagiwara N. [Indication and advantage of combination therapy with angiotensin II receptor blocker (ARB) and calcium channel antagonist]. Nihon Rinsho. 2011; 69: 2059-2063.
- 8) Yamaguchi J, Kawada-Watanabe E, Koyanagi R, Arashi H, Sekiguchi H, Nakao K, Tobaru T, Tanaka H, Oka T, Endo Y, Saito K, Uchida T, Matsui K, Ogawa H, Hagiwara N. Baseline serum sitosterol level as predictor of adverse clinical events in acute coronary syndrome patients with dyslipidaemia: A sub-analysis of HIJ-PROPER. Atherosclerosis. 2018; 274: 139-145.
- 9) Yamaguchi J, Kawada-Watanabe E, Arashi H, Sekiguchi H, Ogawa H, Hagiwara N. Reply to: "Call for an ezetimibe effectiveness test". Atherosclerosis. 2018; 278: 335.

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- 1) Kawamoto A, Gwon HC, Iwaguro H, Yamaguchi J, Uchida S, Masuda H, Silver M, Ma H, Kearney M, Isner JM, Asahara T. : Therapeutic potential of ex vivo expanded endothelial progenitor cells for myocardial ischemia. Circulation. 2001; 103:634-637.
- 2) Iwaguro H, Yamaguchi J, Kalka C, Murasawa S, Masuda H, Hayashi S, Silver M, Li T, Isner JM, Asahara T. : Endothelial progenitor cell vascular endothelial growth factor gene transfer for vascular regeneration. Circulation. 2002; 105:732-738.
- 3) Kawamoto A, Tkebuchava T, Yamaguchi J, Nishimura H, Yoon YS, Milliken C, Uchida S, Masuo O, Iwaguro H, Ma H, Hanley A, Silver M, Kearney M, Losordo DW, Isner JM, Asahara T: Intramyocardial transplantation of autologous endothelial progenitor cells for therapeutic neovascularization of myocardial ischemia. Circulation. 2003; 107:461-468.
- 4) Okada H, Tsurumi Y, Ishii Y, Fujii S, Yamaguchi J, Nagashima M, Kurihara T, Gotou K, Yagi M, Takagi A, Kawana M, Kasanuki H. Angiotensin II Receptor

Blocker Reduces Initimal Proliferation after Pecutaneous Coronary Stenting in Hypertensive Patients. Jpn J Interv Cardiol 2003, 18:568 -573

- 5) Okada H, Tsurumi Y, Ishii Y, Yamaguchi J, Takagi A, Imai K, Horie T, Kasanuki H. : Candesartan Reduces Initimal Proliferation after Pecutaneous Coronary Stenting in Hypertensive Patients. Jpn J Cardiovasc Cathet Ther 2004, 4: 262-269
- 6) Onoda S, Mutoh M, Ishikawa T, Sakamoto H, Yamaguchi J, Okada H, Tsurusaki T, Kubota T, Takizawa S, Yagi H, Mori C, Nagasawa H, Shibata T, Yoshida S, Imai K, Horie T, Mochizuki S: Usefulness of a 6 fr right judkins catheter for mechanically extracting a massive intracoronary thrombus from an ectasic right coronary artery: a report on two different cases of thrombectomy. Jpn Heart J. 2004; 45:673-678.
- 7) Kasanuki H, Honda T, Haze K, Sumiyoshi T, Horie T, Yagi M, Yamaguchi J, Ishii , Y, Fujii SY, Nagashima M, Okada H, Koganei H, Koyanagi R, Tsurumi Y, Kimura H, Ogawa H; HIJAMI Investigators. : A large-scale prospective cohort study on the current status of therapeutic modalities for acute myocardial infarction in Japan: rationale and initial results of the HIJAMI Registry. Am Heart J. 2005; 150: 411-418.
- 8) Muto M, Ishikawa T, Sakamoto H, Okada H, Tsurusaki T, Ohta M, Higashitani M, Yamaguchi J Sato T, Enta K, Fuda Y, Imai K, Horie T, Onoda S, Shibata T, Mochizuki S: Facilitation of Rotablator-Stenting by Measuring Angiographic Lesion Length with the Navicath (type-Muto), a New measuring Microcatheter. Int Heart J 2006; 7: 139-146.
- 9) Ishikawa T, Mutoh M, Fuda Y, Sakamoto H, Okada H, Higashitani M, Nakano Y, Yamaguchi J, Enta K, Satoh T, Imai K, Horie T, Mochizuki S.: Documented subacute stent thrombosis within thirty days after stenting with sirolimus-eluting stent (Cypher) for acute myocardial infarction: a Japanese single center retrospective non-randomized study. Circ J. 2006; 70: 1091-1092.
- 10) Honda A, Yamaguchi J, Takagi A, Ueno A, Nagashima M, Kurihara T, Arai K, Hosaka M, Ishii Y, Tsurumi Y, Hagiwara N, Kasanuki H: The Elevation of Both Serum Creatinine and C-reactive Protein Predicts Short- and Long-Term Mortality in Patients with Acute Myocardial Infarction. J Jpn Coron Assoc 2006;

12: 24-28.

- 11) Muto M, Ishikawa T, Sakamoto H, Okada H, Tsurusaki T, Ohta M, Higashitani M, Yamaguchi J Sato T, Enta K, Fuda Y, Imai K, Horie T, Onoda S, Shibata T, Mochizuki S: Feasibility of the novel penetrating microcatheter "Tornus" for a chronic total occlusion. *Jpn Coron Assoc* 2006; 12: 110-114.
- 12) Jujo K, Yamaguchi J, Obayashi K, Suzuki K, Sekiguchi H, Nagashima M, Tsurumi Y, Kasanuki H: Clinical Impact of Nephropathy induced by Contrast Medium in Patients with Acute Myocardial Infarction Undergoing Emergent Coronary Angiography. *J Cardiol* 2006; 48: 9-16.
- 13) Nagashima M, Koyanagi R, Kasanuki H, Hagiwara N, Yamaguchi J, Atsushi N, Honda T, Haze K, Sumiyoshi T, Urashima M, Ogawa H; Heart Institute of Japan, Department of Cardiology (HIJC) Investigators. : Effect of early statin treatment at standard doses on long-term clinical outcomes in patients with acute myocardial infarction (the Heart Institute of Japan, Department of Cardiology Statin Evaluation Program). *Am J Cardiol*. 2007; 99: 1523-1528.
- 14) Kasanuki H , Hagiwara N, Hosoda S, Sumiyoshi T , Honda T, Haze K, Nagashima M, Yamaguchi J, Origasa H, Urashima M, Ogawa H \* for the HIJ-CREATE Investigators; Angiotensin II receptor blocker-based vs. non-angiotensin II receptor blocker-based therapy in patients with angiographically documented coronary artery disease and hypertension: the Heart Institute of Japan Candesartan Randomized Trial for Evaluation in Coronary Artery Disease (HIJ-CREATE) *European Heart Journal* 2009; 30: 1203–1212.
- 15) Takara A, Ogawa H, Endoh Y, Mori F, Yamaguchi J, Takagi A, Koyanagi R, Shiga T, Kasanuki H, Hagiwara N. Long-term prognosis of diabetic patients with acute myocardial infarction in the era of acute revascularization. *Cardiovasc Diabetol*. 2010; 9: 1-7.
- 16) Higashitani M, Mori F, Yamada N, Arashi H, Kojika A, Hoshi H, Minami Y, Yamaguchi J, Yamauchi T, Takagi A, Ogawa H, Hagiwara N. Efficacy of paclitaxel-eluting stent implantation in hemodialysis patients. *Heart Vessels*. 2011; 26: 582-589.

- 17) Nagashima M, Hagiwara N, Koyanagi R, Yamaguchi J, Takagi A, Kawada-Watanabe E, Shiga T, Ogawa H. Chronic kidney disease and long-term outcomes of myocardial infarction. *Int J Cardiol.* 2012; 167: 2490-2495.
- 18) Hattori H, Minami Y, Mizuno M, Yumino D, Hoshi H, Arashi H, Nuki T, Sashida Y, Higashitani M, Serizawa N, Yamada N, Yamaguchi J, Mori F, Shiga T, Hagiwara N. Differences in hemodynamic responses between intravenous carperotide and nicorandil in patients with acute heart failure syndromes. *Heart Vessels.* 2013; 28: 345-351.
- 19) Sekiguchi H, Ajiro Y, Uchida Y, Ishida I, Otsuki H, Hattori H, Arashi H, Kobayashi Y, Jujo K, Yamaguchi J, Ii M, Iwade K, Tanaka N, Shimamoto K, Tsurumi Y, Kawana M, Hagiwara N. Oxygen Preconditioning Prevents Contrast-inducedNephropathy(OPTION CIN Study). *J Am Coll Cardiol.* 2013; 62: 162-163.
- 20) Koyanagi R, Hagiwara N, Yamaguchi J, Kawada-Watanabe E, Haruta S, Takagi A, Ogawa H; the HIJ-CREATE Investigators. Efficacy of the combination of amlodipine and candesartan in hypertensive patients with coronary artery disease: A subanalysis of the HIJ-CREATE study. *J Cardiol.* 2013; 62: 217-223.
- 21) Buronova N, Kamishima K, Yamaguchi J, Jujo K, Watanabe E, Inagaki Y, Kishi S, Wada A, Hatakeyama S, Watanabe M, Nakao M, Okayama D, Arashi H, Yamada N, Takagi A, Ogawa H, Hagiwara N. Effect of Hemodialysis on 7-Year Clinical Outcomes After Sirolimus-Eluting Stent Implantation. *Circ J.* 2015; 79: 2169-2176.
- 22) Arashi H, Ogawa H, Yamaguchi J, Kawada-Watanabe E, Hagiwara N. Impact of visit-to-visit variability and systolic blood pressure control on subsequent outcomes in hypertensive patients with coronary artery disease (from the HIJ-CREATE substudy). *Am J Cardiol.* 2015; 116: 236-242.
- 23) Kamishima K, Yamaguchi J\*, Honda A, Ogawa H, Hagiwara N. Effect of concurrent elevation of serum creatinine and C-reactive protein values on the long-term outcome in patients with ST-elevation acute myocardial infarction. *Int J Cardiol.* 2015; 188:102-104.

- 24) Watanabe E, Yamaguchi J\*, Arashi H, Ogawa H, Hagiwara N. Effects of Statin versus the Combination of Ezetimibe plus Statin on Serum Lipid Absorption Markers in Patients with Acute Coronary Syndrome. *J Lipids*. 2015; 2015: 109158.
- 25) Aoki J, Kozuma K, Awata M, Nanasato M, Shiode N, Tanabe K, Yamaguchi J, Kusano H, Nie H, Kimura T. Three-Year Clinical Outcomes of Everolimus-Eluting Stents from the Post Marketing Surveillance Study of CoCr-EES (XIENCE V/PROMUS) in Japan. *Circ J*. 2016; 80: 906-912.
- 26) Kikuchi N, Jujo K, Yamaguchi J, Ogawa H, Hagiwara N. Impact of left ventricular ejection function on blood pressure-lowering therapy in hypertensive patients with coronary artery disease. *J Hypertens*. 2016; 34:1011-1008.
- 27) Nakashima T, Noguchi T, Haruta S, Yamamoto Y, Oshima S, Nakao K, Taniguchi Y, Yamaguchi J, Tsuchihashi K, Seki A, Kawasaki T, Uchida T, Omura N, Kikuchi M, Kimura K, Ogawa H, Miyazaki S, Yasuda S. Prognostic impact of spontaneous coronary artery dissection in young female patients with acute myocardial infarction: A report from the Angina Pectoris-Myocardial Infarction Multicenter Investigators in Japan. *Int J Cardiol*. 2016; 207: 341-348.
- 28) Jujo K, Saito K, Ishida I, Furuki Y, Kim A, Suzuki Y, Sekiguchi H, Yamaguchi J, Ogawa H, Hagiwara N. Randomized pilot trial comparing tolvaptan with furosemide on renal and neurohumoral effects in acute heart failure. *ESC Heart Fail*. 2016; 3:177-188.
- 29) Jujo K, Saito K, Ishida I, Furuki Y, Ouchi T, Kim A, Suzuki Y, Sekiguchi H, Yamaguchi J, Ogawa H, Hagiwara N. Efficacy of 24-Hour Blood Pressure Monitoring in Evaluating Response to Percutaneous Transluminal Renal Angioplasty. *Circ J*. 2016; 80:1922-1930.
- 30) Jujo K, Saito K, Ishida I, Kim A, Suzuki Y, Furuki Y, Ouchi T, Ishii Y, Sekiguchi H, Yamaguchi J, Ogawa H, Hagiwara N. Intimal disruption affects drug-eluting cobalt-chromium stent expansion: A randomized trial comparing scoring and conventional balloon predilation. *Int J Cardiol*. 2016; 221: 23-31.
- 31) Arashi H, Yamaguchi J\*, Nakazawa M, Otsuki H, Haruki S, Nakao M,

Kamishima K, Jujo K, Minami Y, Takagi A, Ogawa H, Hagiwara N. Lesion characteristics of coronary arteries associated with a mismatch between angiographic severity of stenosis and fractional flow reserve. *Cardiovasc Interv Ther.* Cardiovasc Interv Ther. 2017; 32: 120-126.

32) Kawada-Watanabe E, Ogawa H, Koyanagi R, Arashi H, Yamaguchi J, Matsui K, Hagiwara N. Rationale, design features, and baseline characteristics: The Heart Institute of Japan-PROper level of lipid Lowering with Pitavastatin and Ezetimibe in acute coronary syndrome (HIJ-PROPER). *J Cardiol.* 2017; 69: 536-541.

33) Hayashida K, Yasuda S, Matsumoto T, Amaki M, Mizuno S, Tobaru T, Jujo K, Ootomo T, Yamaguchi J, Fukuda K, Saito S, Foster E, Qasim A, Yozu R, Takayama M. AVJ-514 Trial –Baseline Characteristics and 30-Day Outcomes Following MitraClip® Treatment in a Japanese Cohort-. *Circ J.* 2017 25;81: 1116-1122.

34) Hagiwara N, Kawada-Watanabe E, Koyanagi R, Arashi H, Yamaguchi J, Nakao K, Tobaru T, Tanaka H, Oka T, Endoh Y, Saito K, Uchida T, Matsui K, Ogawa H. Low-density lipoprotein cholesterol targeting with pitavastatin + ezetimibe for patients with acute coronary syndrome and dyslipidaemia: the HIJ-PROPER study, a prospective, open-label, randomized trial. *Eur Heart J.* 2017; 38: 2264-2276.

35) Kataoka S, Yamaguchi J\*, Nakao M, Jujo K, Hagiwara N. Clinical outcome and its predictors in hemodialysis patients with critical limb ischemia undergoing endovascular therapy. *J Interv Cardiol.* 2017; 30: 374-381.

36) Morioka Y, Arashi H, Otsuki H, Yamaguchi J, Hagiwara N. Relationship between instantaneous wave-free ratio and fractional flow reserve in patients receiving hemodialysis. *Cardiovasc Interv Ther.* Cardiovasc Interv Ther. 2018; 33: 256-263.

37) Okai I, Dohi T, Okazaki S, Jujo K, Nakashima M, Otsuki H, Tanaka K, Arashi H, Okabe R, Nagura F, Nara Y, Tamura H, Kurata T, Kawashima H, Kyono H, Yamaguchi J, Miyauchi K, Kozuma K, Hagiwara N, Daida H. Clinical Characteristics and Long-Term Outcomes of Rotational Atherectomy - J2T Multicenter Registry. *Circ J.* 2018; 82: 369-375.

- 38) Arashi H, Yamaguchi J\*, Ri T, Otsuki H, Nakao M, Kamishima K, Jujo K, Minami Y, Ogawa H, Hagiwara N. The impact of tissue Doppler index E/e' ratio on instantaneous wave-free ratio. *J Cardiol*. 2018; 71: 237-243.
- 39) Shiode N, Kozuma K, Aoki J, Awata M, Nanasato M, Tanabe K, Yamaguchi J, Kusano H, Nie H, Kimura T; XIEVCE V/Promus PMS Investigators. The impact of coronary calcification on angiographic and 3-year clinical outcomes of everolimus-eluting stents: results of a XIENCE V/PROMUS post-marketing surveillance study. *Cardiovasc Interv Ther*. 2018; 33: 313-320.
- 40) Otsuki H, Yamaguchi J\*, Kamishima K, Arashi H, Hagiwara N. Real-world antithrombotic therapies and clinical outcomes after second-generation drug-eluting stent implantation in patients with atrial fibrillation: a multi-center cohort study. *Heart Vessels*. 2018; 33: 986-996.
- 41) Kawada-Watanabe E, Yamaguchi J\*, Kanbayashi K, Sekiguchi H, Arashi H, Ogawa H, Hagiwara N. Predictive Value of Baseline High-Sensitivity C-Reactive Protein Level and Renal Function for Patients With Acute Coronary Syndrome Undergoing Aggressive Lipid-Lowering Therapy: A Subanalysis of HIJ-PROPER. *Am J Cardiol*. 2018; 122: 1817-1823.
- 42) Nakao M, Yamaguchi J\*, Otsuki H, Arashi H, Hagiwara N. Clinical outcomes of high-pressure balloon angioplasty for common femoral artery disease in contemporary practice. *Cardiovasc Interv Ther*. 2019; 34: 340-344.
- 43) Kitabata H, Kubo T, Shiono Y, Shimamura K, Ino Y, Tanimoto T, Hayashi Y, Komukai K, Sougawa H, Kimura K, Gohda M, Hashizume T, Obama M, Maeda K, Yamaguchi J, Akasaka T. Comparison of clinical outcomes following percutaneous coronary intervention versus optimal medical therapy based on gray-zone fractional flow reserve in stable angina patients with intermediate coronary artery stenosis (COMFORTABLE prospective study): Study protocol for a multicenter randomized controlled trial. *Trials*. 2019; 20: 84.
- 44) Arashi H, Yamaguchi J\*, Ri T, Tanaka K, Otsuki H, Nakao M, Kamishima K, Jujo K, Minami Y, Ogawa H, Hagiwara N. Evaluation of the cut-off value for the instantaneous wave-free ratio of patients with aortic valve stenosis.

Cardiovasc Interv Ther. 2019; 34: 269-274.

- 45) Aoki J, Kozuma K, Awata M, Nanasato M, Shiode N, Tanabe K, Yamaguchi J, Kusano H, Nie H, Kimura T; XIEVCE V/PROMUS PMS Investigators. Five-year clinical outcomes of everolimus-eluting stents from the post marketing study of CoCr-EES (XIENCE V/PROMUS) in Japan. Cardiovasc Interv Ther. 2019; 34: 40-46.
- 46) Jujo K, Otsuki H, Tanaka K, Fukushima N, Okai I, Nakashima M, Dohi T, Okazaki S, Okabe R, Nagura F, Nara Y, Kawashima H, Kyono H, Arashi H, Yamaguchi J, Tamura H, Kurata T, Miyauchi K, Kozuma K, Daida H, Hagiwara N. Long-term cardiovascular prognosis after rotational atherectomy in hemodialysis patients: Data from the J2T multicenter registry. Int J Cardiol. 2019; 285: 14-20.
- 47) Arashi H, Satomi N, Ishida I, Soontorndhada K, Ebihara S, Tanaka K, Otsuki H, Nakao M, Jujo K, Yamaguchi J, Hagiwara N. Hemodynamic and Lesion Characteristics Associated with Discordance between the Instantaneous Wave-Free Ratio and Fractional Flow Reserve. J Interv Cardiol. 2019; 2019: 3765282.
- 48) Kimura K, Kimura T, Ishihara M, Nakagawa Y, Nakao K, Miyauchi K, Sakamoto T, Tsujita K, Hagiwara N, Miyazaki S, Ako J, Arai H, Ishii H, Origuchi H, Shimizu W, Takemura H, Tahara Y, Morino Y, Iino K, Itoh T, Iwanaga Y, Uchida K, Endo H, Kongoji K, Sakamoto K, Shiomi H, Shimohama T, Suzuki A, Takahashi J, Takeuchi I, Tanaka A, Tamura T, Nakashima T, Noguchi T, Fukamachi D, Mizuno T, Yamaguchi J, Yodogawa K, Kosuge M, Kohsaka S, Yoshino H, Yasuda S, Shimokawa H, Hirayama A, Akasaka T, Haze K, Ogawa H, Tsutsui H, Yamazaki T; Japanese Circulation Society Joint Working Group. JCS 2018 Guideline on Diagnosis and Treatment of Acute Coronary Syndrome. Circ J. 2019; 83: 1085-1196.
- 49) Kozuma K, Shinozaki T, Kozuma K, Kashiwabara K, Oba K, Aoki J, Awata M, Nanasato M, Shiode N, Tanabe K, Yamaguchi J, Kimura T, Matsuyama Y. Impact of Residual Stenosis on the Angiographic Edge Restenosis of a Second-Generation Drug-Eluting Stent. Int Heart J. 2019; 60: 1050-1060.
- 50) Kamishima K, Ogawa H, Jujo K, Yamaguchi J, Hagiwara N. Relationships

between blood pressure lowering therapy and cardiovascular events in hypertensive patients with coronary artery disease and type 2 diabetes mellitus: The HIJ-CREATE sub-study. *Diabetes Res Clin Pract.* 2019; 149: 69-77.

- 51) Otsuki H, Yamaguchi J\*, Kawamoto T, Yoshikawa M, Ebihara S, Tanaka K, Nakao M, Jujo K, Arashi H, Ota Y, Saito K, Takagi A, Tanaka H, Fujii S, Honda A, Mori F, Hagiwara N. Safety and Efficacy of Low-Dose Prasugrel as Part of Triple Therapy With Aspirin and Oral Anticoagulants in Patients With Atrial Fibrillation Undergoing Percutaneous Coronary Intervention - From the TWMU-AF PCI Registry. *Circ J.* 2019; 83: 1000-1005.
- 52) Arashi H, Yamaguchi J\*, Kawada-Watanabe E, Koyanagi R, Sekiguchi H, Mori F, Haruta S, Ishii Y, Murasaki S, Suzuki K, Yamauchi T, Ogawa H, Hagiwara N. Polyunsaturated Fatty Acid Impact on Clinical Outcomes in Acute Coronary Syndrome Patients With Dyslipidemia: Subanalysis of HIJ-PROPER. *J Am Heart Assoc.* 2019; 8: e012953.
- 53) Tanaka K, Jujo K, Yamaguchi J, Ogawa H, Hagiwara N. Optimal Blood Pressure in Patients With Coronary Artery Disease and Chronic Kidney Disease: HIJ-CREATE Substudy. *Am J Med Sci.* 2019; 358: 219-226.
- 54) Kawada-Watanabe E, Yamaguchi J\*, Sekiguchi H, Arashi H, Ogawa H, Hagiwara N. Targeting high-sensitivity C-reactive protein levels in acute coronary syndrome patients undergoing contemporary lipid-lowering therapy: a sub-analysis of the HIJ-PROPER trial. *J Cardiol.* 2020; 75: 500-506.
- 55) Otsuki H, Arashi H, Yamaguchi J, Kawada-Watanabe E, Ogawa H, Hagiwara N. Effect of Ezetimibe + Pitavastatin on Cardiovascular Outcomes in Patients with ST-Segment Elevation Myocardial Infarction (from the HIJ-PROPER Study). *Am J Cardiol.* 2020; 132: 15-21.
- 56) Soontorndhada K, Tanaka K, Yamaguchi J\*, Konami Y, Otsuki H, Nakao M, Jujo K, Arashi H, Hagiwara N. Long-term clinical outcomes after percutaneous coronary intervention to treat long lesions in hemodialysis patients in the era of second-generation drug-eluting stents. *J Cardiol.* 2020; 75: 374-380.
- 57) Ogiso M, Yamaguchi J\*, Kawada-Watanabe E, Koyanagi R, Sekiguchi H, Sakamoto T, Iguchi N, Tanaka H, Okada H, Ota Y, Jujo K, Fujii S, Ogawa H,

Hagiwara N. Effect of Aggressive Lipid-Lowering Therapy in Single-Vessel vs. Multivessel Coronary Artery Disease Patients With Acute Coronary Syndrome-Heart Institute of Japan-Proper Level of Lipid Lowering With Pitavastatin and Ezetimibe in Acute Coronary Syndrome (HIJ-PROPER) Substudy-. Circ Report 2020: doi: 10.1253/circrep.CR-19-0118 [E-pub ahead]

58) Nakao M, Yamaguchi J\*, Satomi N, Ebihara S, Tanaka K, Otsuki H, Inagaki Y, Jujo K, Arashi H, Hagiwara N. Outcomes of Renal Transplant Recipients after Percutaneous Coronary Intervention. Am J Cardiol. 2020; 125: 1305-1311.

59) Takada T, Jujo K, Konami Y, Otsuki H, Tanaka K, Saito C, Isomura S, Domoto S, Yamaguchi J, Niinami H, Hagiwara N. Effect of Transcatheter Aortic Valve Implantation on Renal Function in Patients With Chronic Kidney Disease. Am J Cardiol. 2020; 126: 82-88.

60) Nakamura M, Kadota K, Takahashi A, Kanda J, Anzai H, Ishii Y, Shibata Y, Yasaka Y, Takamisawa I, Yamaguchi J, Takeda Y, Harada A, Motohashi T, Iijima R, Uemura S, Murakami Y; PENDULUM Registry Investigators\*. Relationship Between Platelet Reactivity and Ischemic and Bleeding Events After Percutaneous Coronary Intervention in East Asian Patients: 1-Year Results of the PENDULUM Registry. J Am Heart Assoc. 2020: e015439. doi: 10.1161/JAHA.119.015439.

61) Kikuchi N, Ogawa H, Kawada-Watanabe E, Arashi H, Jujo K, Sekiguchi H, Yamaguchi J, Hagiwara N. Impact of age on clinical outcomes of antihypertensive therapy in patients with hypertension and coronary artery disease: A sub-analysis of the Heart Institute of Japan Candesartan Randomized Trial for Evaluation in Coronary Artery Disease. J Clin Hypertens. 2020; 22: 1070-1079.

62) Nakazawa M, Arashi H, Yamaguchi J, Ogawa H, Hagiwara N. Lower levels of high-density lipoprotein cholesterol are associated with increased cardiovascular events in patients with acute coronary syndrome. Atherosclerosis 2020; 303: 21–28

63) Arashi H, Yamaguchi J, Kawada-Watanabe E, Otsuki H, Sekiguchi H, Ogawa H, Hagiwara N. The Effects of Lipid-Lowering Therapy on Serum Eicosapentaenoic Acid to Arachidonic Acid Ratio: An HIJ-PROPER

Sub-Analysis J Cardiovasc Pharmacol Ther. 2020 Jun 22;1074248420931621.  
doi: 10.1177/1074248420931621.

- 64) Ebihara S, Otsuki H, Arashi H, Yamaguchi J, Hagiwara N. Rate Pressure Products Affect the Relationship between the Fractional Flow Reserve and Instantaneous Wave-Free Ratio. *J Interv Cardiol*. 2020 Jul 24; 2020: 6230153, doi.org/10.1155/2020/6230153.
- 65) Izumi C, Eishi K, Ashihara K, Arita T, Otsuji Y, Kunihara T, Komiya T, Shibata T, Seo Y, Daimon M, Takanashi S, Tanaka H, Nakatani S, Ninami H, Nishi H, Hayashida K, Yaku H, Yamaguchi J, Yamamoto K, Watanabe H, Abe Y, Amaki M, Amano M, Obase K, Tabata M, Miura T, Miyake M, Murata M, Watanabe N, Akasaka T, Okita Y, Kimura T, Sawa Y, Yoshida K; Japanese Circulation Society Joint Working Group. JCS/JSCS/JATS/JSVS 2020 Guidelines on the Management of Valvular Heart Disease. *Circ J*. 2020 Sep 11. doi: 10.1253/circj.CJ-20-0135. Epub ahead of print.
- 66) Nakamura M, Morino Y, Kakuta T, Hata Y, Takamisawa I, Tanabe K, Anzai H, Takahashi A, Kadota K, Suzuki H, Wakatsuki T, Okayama H, Yamashita J, Akasaka T, Yokoi H, Nakagami T, Higuchi Y, Yamaguchi J, Kimura T, Harada A, Kuroda T, Takita A, Iijima R, Murakami Y, Saito S. Monotherapy With Prasugrel After Dual-Antiplatelet Therapy for Japanese Percutaneous Coronary Intervention Patients With High Bleeding Risk - A Prospective Cohort Study (PENDULUM mono Study). *Circ J*. 2020 Nov 7. doi: 10.1253/circj.CJ-20-0786. Epub ahead of print.
- 67) Kozuma K, Kinoshita Y, Hioki H, Nanasato M, Ito Y, Yamaguchi J, Shiode N, Hibi K, Tanabe K, Ako J, Morino Y, Hirohata A, Sonoda S, Nakagawa Y, Ikari Y; MODEL U-SES Study Investigators. 1-Year Safety of 3-Month Dual Antiplatelet Therapy Followed by Aspirin or P2Y<sub>12</sub> Receptor Inhibitor Monotherapy Using a Bioabsorbable Polymer Sirolimus-Eluting Stent. *Circ J*. 2020 Nov 13. doi: 10.1253/circj. CJ-20-0644. Epub ahead of print.
- 68) Domoto S, Jujo K, Yamaguchi J, Otsuki H, Isomura S, Tanaka K, Saito C, Inagaki Y, Yamagata A, Hayakawa M, Azuma T, Hagiwara N, Niinami H. Utility of the minimum-incision transsubclavian approach for transcatheter aortic valve replacement on clinical outcomes in patients with small vessel anatomy.

J Cardiol. 2021 Feb 23:S0914-5087(21)00017-4. doi: 10.1016/j.jcc.2021.01.018. Epub ahead of print. PMID: 33637407.

69) Hassan AE, Nakao M, Katsumata H, Inagaki Y, Tanaka K, Otsuki H, Arashi H, Yamaguchi J, Hagiwara N. Clinical outcomes after balloon angioplasty with Crosser device for heavily calcified common femoral and popliteal artery disease. Heart Vessels. 2021 Feb 26. doi: 10.1007/s00380-021-01816-z. Epub ahead of print. PMID: 33635347.

70) Otsuki H, Yamaguchi J, Matsuura J, Inagaki Y, Tanaka K, Nakao M, Arashi H, Hagiwara N. The Clinical Outcomes of Fractional Flow Reserve-Based Deferred Revascularization of Coronary Lesions in Patients on Hemodialysis. JACC Cardiovasc Interv. 2021 Feb 22;14(4):486-488. doi: 10.1016/j.jcin.2020.12.014. PMID: 33602449.

71) Otsuki H, Jujo K, Tanaka K, Okai I, Nakashima M, Dohi T, Okazaki S, Okabe R, Nagura F, Nara Y, Kawashima H, Kyono H, Arashi H, Yamaguchi J, Tamura H, Kurata T, Miyauchi K, Kozuma K, Daida H, Hagiwara N. Sex differences in clinical outcomes after rotational atherectomy of calcified coronary stenoses: from multicenter registry. Am J Cardiovasc Dis. 2021 Feb 15;11(1):12–20. PMCID: PMC8012285.

72) Inagaki Y, Arashi H, Yamaguchi J, Ogawa H, Hagiwara N. Greater Change in the Eicosapentaenoic Acid to Arachidonic Acid Ratio Is Associated With Decreased Incidence of Cardiovascular Events in Acute Coronary Syndrome Patients With Elevated Triglyceride Levels. Circ J. 2021 doi: 10.1253/circj.CJ-20-1312. Epub ahead of print.

73) Hioki H, Kozuma K, Kinoshita Y, Nanasato M, Ito Y, Yamaguchi J, Shiode N, Hibi K, Tanabe K, Ako J, Morino Y, Hirohata A, Sonoda S, Nakagawa Y, Okada H, Nakagami T, Takamisawa I, Ando K, Abe M, Ikari Y. Ischemic/bleeding event after short dual-antiplatelet therapy in patients with high bleeding risk: Sub-analysis of the MODEL U-SES study. J Cardiol. 2021: S0914-5087(21)00089-7. doi: 10.1016/j.jcc.2021.03.015. Epub ahead of print.

74) Ogiso M, Yamaguchi J, Otsuki H, Arashi H, Sekiguchi H, Ogawa H, Hagiwara N. Association between anemia and mortality in patients with acute coronary syndrome treated with percutaneous coronary intervention

and contemporary lipid-lowering therapy. *Heart Vessels.* 2021. doi: 10.1007/s00380-021-01850-x. Epub ahead of print.

75) Im J, Kawada-Watanabe E, Yamaguchi J, Arashi H, Otsuki H, Matsui Y, Sekiguchi H, Fujii S, Mori F, Ogawa H, Hagiwara N. Baseline low-density lipoprotein cholesterol predicts the benefit of adding ezetimibe on statin in statin-naïve acute coronary syndrome. *Sci Rep.* 2021; 11: 7480. doi:10.1038/s41598-021-87098-x.

76) Sone M, Saito C, Arashi H, Yamaguchi J, Ogawa H, Hagiwara N. Association between elevated left ventricular mass index and increased cardiovascular events in patients with acute coronary syndrome: A sub-analysis of the HIJ-PROPER study. *Echocardiography.* 2021. doi: 10.1111/echo.15173. Epub ahead of print.

#### Case reports

- 1) Kubota T, Yamaguchi J, Higashitani M, Matsushima H, Sakamoto H, Ishikawa T, Okada H, Enta K, Takizawa S, Nakano Y, Suzuki M, Tsurusaki T, Onoda S, Fuda Y, Muto M, Imai K, Horie T. Survivor of cardiogenic shock following acute myocardial infarction with Churg-Strauss Syndrome: First angiographic documentation of coronary recanalization of infarct-related arteries: A case report. *J Cardiol* 2004; 44: 153-259.
- 2) Enta K, Fuda Y, Takizawa S, Higashitani M, Mizuno M, Sakamoto H, Ishikawa T, Okada H, Yamaguchi J, Muto M, Imai K, Horie T: A variant of Burugada syndrome with unusual ST-segment elevation morphology in inferior lead. *J Arrhythmia* 2005; 21: 79-82.
- 3) Takahashi K, Domoto S, Isomura S, Jujo K, Otsuki H, Yamaguchi J, Niinami H. [Transcatheter Aortic Valve Replacement for Aortic Stenosis with Complicated Anatomy; Report of a Case]. *Kyobu Geka.* 2019; 72: 694-697.
- 4) Domoto S, Nagao M, Isomura S, Yamaguchi J, Niinami H. Unique haemodynamics in a patient with apicoaortic conduit dysfunction who underwent transcatheter aortic valve replacement. *Eur Heart J Cardiovasc*

Imaging. 2020; 21: 652.

- 5) Yamagata A, Domoto S, Yamaguchi J, Niinami H. Acute thrombus formation upon clip delivery system entrance in the left atrium. European Heart Journal - Case Reports. 2020; doi:10.1093/ehjcr/ytaa305
- 6) Yamagata A, Domoto S, Tanaka K, Inagaki Y, Otsuki H, Hayakawa M, Yamaguchi J, Hagiwara N, Niinami H. Successful transcatheter aortic valve in valve implantation for degenerated trifecta bioprosthesis in a patient with a coronary anomaly. Gen Thorac Cardiovasc Surg. 2021. doi: 10.1007/s11748-021-01621-5. Epub ahead of print.
- 7) Endo N, Otsuki H, Domoto S, Yamaguchi J. Haemodynamic collapse immediately after transcatheter aortic valve implantation due to dynamic intraventricular gradient: a case report and review of the literature. Eur Heart J Case Rep. 2021; 5: ytaa565. doi: 10.1093/ehjcr/ytaa565.