Message From the Editor-in-Chief

Toshihisa Anzai, MD, PhD

Dear Colleagues,

On behalf of the *Circulation Journal*, I would like to let you know the 37 most frequently cited papers among the 21,028 papers published in the *Japanese Circulation Journal* (1968–2001) and *Circulation Journal* (2002–2019) (numbers in parentheses denote the number of citations).

1. (1041) Matsuzawa Y, Nakamura T, Takahashi M, Ryo M, Inoue S, Ikeda Y, et al. New criteria for ‘obesity disease’ in Japan. *Circ J* 2002; **66**: 987–992. (Review)
2. (497) Ryo M, Nakamura T, Kihara S, Kumada M, Shibazaki S, Takahashi M, et al. Adiponectin as a biomarker of the metabolic syndrome. *Circ J* 2004; **68**: 975–981.
3. (465) Libby P, Okamoto Y, Rocha VZ, Folco E. Inflammation in atherosclerosis: Transition from theory to practice. *Circ J* 2010; **74**: 213–220. (Review)
4. (390) Higashi Y, Noma K, Yoshizumi M, Kihara Y. Endothelial function and oxidative stress in cardiovascular diseases. *Circ J* 2009; **73**: 411–418. (Review)
5. (364) Zhou Q, Liao JK. Pleiotropic effects of statins: Basic research and clinical perspectives. *Circ J* 2010; **74**: 818–826. (Review)
6. (326) Hori M, Matsumoto M, Tanahashi N, Momomura S, Uchiyama S, Goto S, et al; on behalf of the J-ROCKET AF study investigators. Rivaroxaban vs. warfarin in Japanese patients with atrial fibrillation: The J-ROCKET AF Study. *Circ J* 2012; **76**: 2104–2111.
7. (297) Vanhoute PM. Endothelial dysfunction: The first step toward coronary arteriosclerosis. *Circ J* 2009; **73**: 595–601. (Review)
8. (285) Lee HY, Oh BH. Aging and arterial stiffness. *Circ J* 2010; **74**: 2257–2262. (Review)
9. (278) Kitabatake A, Inoue M, Asao M, Tanouchi J, Masuyama T, Abe H, et al. Transmitral blood flow reflecting diastolic behavior of the left ventricle in health and disease: A study by pulsed Doppler technique. *Jpn Circ J* 1982; **46**: 92–102.
10. (241) Hamano K, Nishida M, Hirata K, Mikamo A, Li TS, Harada M, et al. Local implantation of autologous bone marrow cells for therapeutic angiogenesis in patients with ischemic heart disease: Clinical trial and preliminary results. *Jpn Circ J* 2001; **65**: 845–847.
11. (233) Jeong JW, Jeong MH, Yun KH, Oh SK, Park EM, Kim YK, et al. Echocardiographic epicardial fat thickness and coronary artery disease. *Circ J* 2007; **71**: 536–539.
12. (232) Yoo TW, Sung KC, Shin HS, Kim BJ, Kim BS, Kang JH, et al. Relationship between serum uric acid concentration and insulin resistance and metabolic syndrome. *Circ J* 2005; **69**: 928–933.
13. (225) Kawai S, Suzuki H, Yamaguchi H, Tanaka K, Sawada H, Aizawa T, et al. Ampulla cardiomyopathy (‘Takotsubo’ cardiomyopathy): Reversible left ventricular dysfunction with ST segment elevation. *Jpn Circ J* 2000; **64**: 156–159.
14. (218) Ueyama T, Kasamatsu K, Hano T, Yamamoto K, Tsuruo Y, Nishio I. Emotional stress induces transient left ventricular hypocontraction in the rat via activation of cardiac adrenoceptors: A possible animal model of ‘takotsubo’ cardiomyopathy. *Circ J* 2002; **66**: 712–713.
15. (207) Ando J, Yamamoto K. Vascular mechanobiology: Endothelial cell responses to fluid shear stress. *Circ J* 2009; **73**: 1983–1992. (Review)
16. (204) Inoue H, Atarashi H, Kamakura S, Koretsune Y, Kumagai K, Mitamura H, et al; JCS Joint Working Group. Guidelines for pharmacotherapy of atrial fibrillation (JCS 2013): Digest version. *Circ J* 2014; **78**: 1997–2021.
17. (189) Fujita K, Nishizawa H, Funahashi T, Shimomura I, Shimabukuro M. Systemic oxidative stress is associated with visceral fat accumulation and the metabolic syndrome. *Circ J* 2006; **70**: 1437–1442.

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18. (182) Kawai S, Kitabatake A, Tomoike H; Takotsubo Cardiomyopathy Study Group. Guidelines for diagnosis of Takotsubo (ampulla) cardiomyopathy. *Circ J* 2007; **71**: 990–992.
19. (178) Ogura R, Hiasa Y, Takahashi T, Yamaguchi K, Fujiwara K, Ohara Y, et al. Specific findings of the standard 12-lead ECG in patients with ‘Takotsubo’ cardiomyopathy: Comparison with the findings of acute anterior myocardial infarction. *Circ J* 2003; **67**: 687–690.
20. (176) Tomiyama H, Yamashina A. Non-invasive vascular function tests: Their pathophysiological background and clinical application. *Circ J* 2010; **74**: 24–33. (Review)
21. (172) Tomiyama H, Koji Y, Yambe M, Shiina K, Motobe K, Yamada J, et al. Brachial-ankle pulse wave velocity is a simple and independent predictor of prognosis in patients with acute coronary syndrome. *Circ J* 2005; **69**: 815–822.
- (172) Ehara M, Surmely JF, Kawai M, Katoh O, Matsubara T, Terashima M, et al. Diagnostic accuracy of 64-slice computed tomography for detecting angiographically significant coronary artery stenosis in an unselected consecutive patient population: Comparison with conventional invasive angiography. *Circ J* 2006; **70**: 564–571.
23. (168) Swift DL, Lavie CJ, Johannsen NM, Arena R, Earnest CP, O’Keefe JH, et al. Physical activity, cardiorespiratory fitness, and exercise training in primary and secondary coronary prevention. *Circ J* 2013; **77**: 281–292. (Review)
24. (167) Tsuchihashi-Makaya M, Hamaguchi S, Kinugawa S, Yokota T, Goto D, Yokoshiki H, et al; for the JCARE-CARD Investigators. Characteristics and outcomes of hospitalized patients with heart Failure and reduced vs preserved ejection fraction: A report from the Japanese Cardiac Registry of Heart Failure in Cardiology (JCARE-CARD). *Circ J* 2009; **73**: 1893–1900.
25. (166) Nakamura K, Tomaru T, Yamamura S, Miyashita Y, Shirai K, Noike H. Cardio-ankle vascular index is a candidate predictor of coronary atherosclerosis. *Circ J* 2008; **72**: 598–604.
26. (164) Angiolillo DJ, Ueno M, Goto, S. Basic principles of platelet biology and clinical implications. *Circ J* 2010; **74**: 597–607. (Review)
- (164) Matsuzaki M, Kita T, Mabuchi H, Matsuzawa Y, Nakaya N, Oikawa S, et al. Large scale cohort study of the relationship between serum cholesterol concentration and coronary events with low-dose simvastatin therapy in Japanese patients with hypercholesterolemia: Primary prevention cohort study of the Japan Lipid Intervention Trial (J-LIT). *Circ J* 2002; **66**: 1087–1095.
28. (163) Shokawa T, Imazu M, Yamamoto H, Toyofuku M, Tasaki N, Okimoto T, et al. Pulse wave velocity predicts cardiovascular mortality: Findings from the Hawaii-Los Angeles-Hiroshima study. *Circ J* 2005; **69**: 259–264.
29. (160) Curcio A, Torella D, Indolfi C. Mechanisms of smooth muscle cell proliferation and endothelial regeneration after vascular injury and stenting: Approach to therapy. *Circ J* 2011; **75**: 1287–1296. (Review)
30. (156) Ogawa H, Akasaka T, Hattori R, Kawashima S, Kawasuji M, Kimura K, et al; JCS Joint Working Group. Guidelines for diagnosis and treatment of patients with vasospastic angina (coronary spastic angina) (JCS 2008): Digest version. *Circ J* 2010; **74**: 1745–1762.
31. (152) Sugimura K, Fukumoto Y, Satoh K, Nochioka K, Miura Y, Aoki T, et al. Percutaneous transluminal pulmonary angioplasty markedly improves pulmonary hemodynamics and long-term prognosis in patients with chronic thromboembolic pulmonary hypertension. *Circ J* 2012; **76**: 485–488.
- (152) Ishikura K, Yamada N, Ito M, Ota S, Nakamura M, Isaka N, et al. Beneficial acute effects of Rho-kinase inhibitor in patients with pulmonary arterial hypertension. *Circ J* 2006; **70**: 174–178.
33. (148) Kurisu S, Inoue I, Kawagoe T, Ishihara M, Shimatani Y, Nakamura S, et al. Time course of electrocardiographic changes in patients with tako-tsubo syndrome: Comparison with acute myocardial infarction with minimal enzymatic release. *Circ J* 2004; **68**: 77–81.
34. (147) Ueshima H, Kasagi F, Kodama K, Okamura T, Hayakawa T, Okayama A, et al. Risk assessment chart for death from cardiovascular disease based on a 19-year follow-up study of a Japanese representative population: NIPPON DATA80. *Circ J* 2006; **70**: 1249–1255.
35. (146) Takigiku K, Takeuchi M, Izumi C, Yuda S, Sakata K, Ohte N, et al. Normal range of left ventricular 2-dimensional strain: Japanese ultrasound speckle tracking of the left ventricle (JUSTICE) study. *Circ J* 2012; **76**: 2623–2632.
36. (145) Aoki K, Yamori Y, Ooshima A, Okamoto K. Effects of high or low sodium intake in spontaneously hypertensive rats. *Jpn Circ J* 1972; **36**: 539–545.
37. (144) Shibata R, Ouchi N, Murohara T. Adiponectin and cardiovascular disease. *Circ J* 2009; **73**: 608–614. (Review)

The Editorial Team looks forward to receiving manuscripts with high scientific impact from all over the world.

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