

受賞歴

2013年 第11回 京都心血管フォーラム 症例報告の部 最優秀賞
2014年 第117回 日本循環器内科学会近畿地方会 YIA セッション 優秀演題賞
2015年 第119回 日本循環器内科学会近畿地方会 YIA セッション 優秀演題賞
2016年 第14回 京都心血管フォーラム 研究発表の部 最優秀賞
2019年 第38回 京滋奈良ハートリズム研究会 最優秀演題賞
2020年 第84回 日本循環器学会学術集会 第7回循環器イメージング賞 優秀賞
2021年 第67回 日本不整脈心電学会学術大会 第26回日本不整脈心電学会 学術奨励賞 優秀賞
2023年 第3回 日本不整脈心電学会 近畿支部地方会 優秀演題賞
2024年 第44回 京滋奈良ハートリズム研究会 優秀演題賞
2025年 第89回 日本循環器学会学術集会 第42回 YIA(Clinical Research 部門) 優秀賞

【論文歴】

1. **Kawaji T**, Murase Y, Yamashita S, Yamano S, Ishita R, Naka M, Bao B, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S. Characterization and anatomical distribution of AF driver sources identified by the novel Ockham AF Mapping module. *Int J Cardiol.* 2026 *in press*
2. Naka M, **Kawaji T**, Naka M, Bao B, Kimura T, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S. Atrial reverse-remodeling by Bachmann's Bundle Pacing with Improved Interatrial Dyssynchrony: Case Series. *Pacing Clin Electrophysiol.* 2025 *in press*
3. **Kawaji T**, Yamano S, Naka M, Bao B, Kimura T, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S. Characteristics of rotational activation identified by the novel high-density ExTRa Mapping system. *J Interv Card Electrophysiol.* 2026 *In press*
4. **Kawaji T**, Aizawa T, Nishiwaki S, Shizuta S, Yamano S, Naka M, Bao B, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S, Ashihara T. Head-to-head comparison of two atrial fibrillation driver mapping systems for additional ablation in persistent atrial fibrillation: The CONTROL-AF trial. *Int J Cardiol.* 2026 May 1;450:134244
5. **Kawaji T**, Watanabe R, Yamano S, Naka M, Kato M, Yokomatsu T, Nagashima K. Transmural lesion formation by the fixed-loop pulsed field ablation catheter. *JACC Clin Electrophysiol.* 2025;11(12):2804-2809
6. **Kawaji T**, Aizawa T, Seto I, Yamano S, Naka M, Bao B, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S. Remodeling and reverse-remodeling of left atrium and appendage after catheter ablation for atrial fibrillation. *Am J Cardiol.* 2025 *Am J Cardiol.* 2025;253:23-31.
7. **Kawaji T**, Yamano S, Naka M, Kato M, Yokomatsu T, Peak frequency analysis of the straight-shaped pulsed field ablation catheter during carvo-tricuspid isthmus ablation. *Heart Rhythm Case Rep.* 2025;11:962-967
8. **Kawaji T**, Nishiuchi S, Yamano S, Naka M, Peak frequency-guided tissue proximity assessment during posterior wall isolation using the fixed-loop pulsed field ablation catheter. *Heart Rhythm Case Rep.* 2025;11:1030-1037
9. **Kawaji T**, Aizawa T, Shizuta S, Yamano S, Naka M, Bao B, Hojo S, Matsuda S, Kato M, Yokomatsu T, Miki S. Efficacy of additional ExTRa Mapping-guided substrate ablation beyond pulmonary vein isolation in persistent atrial fibrillation: the ROTATE trial. *J Cardiovasc Electrophysiol.* 2025;36:1999-2010
10. **Kawaji T**, Hojo S, Takahashi R, Kato M, Yokomatsu T. Post-implantation size of WATCHMAN FLX Pro: A new left atrial appendage closure system. *Circ Cardiovasc Interv.* 2025;18(5):e015056
11. Fujiwara K, **Kawaji T**, Saeda S, Yamakawa T, Kato M, Yokomatsu T, Miki S. IoT-based atrial

- fibrillation screening system, development and prospective study. *IEEE Internet Things J.* 2025;12(11): 17661-17672
12. Yamano S, **Kawaji T**, Naka M, Yanada K, Ueda Y, Ishida R, Kato M, Yokomatsu T, Miki S. Assessment of pulmonary vein isolation by local potentials in FARAPULSE Pulsed Field Ablation System. *Pacing Clin Electrophysiol.* 2025;48(5):500-503s
 13. **Kawaji T**, Hayashi T, Nishimura T, Nagashima K. 3D mapping quest- How far can we see with recent advances in 3D mapping?. *J Cardiol.* 2025;85(3):204-212
 14. **Kawaji T**, Yamano S, Naka M, Kato M, Yokomatsu T, Miki S. Localized three-dimensional reentrant ventricular tachycardia visualized by high-density mapping in arrhythmogenic right ventricular cardiomyopathy. *J Interv Card Electrophysiol.* 2025;68:21-22
 15. **Kawaji T**, Aizawa T, Naka M, Yamano S, Bao B, Hojo S, Tezuka Y, Matsuda S, Kato M, Yokomatsu T, Miki S. Discrimination between anterior and posterior left atrial roof area ablation by a cryoballoon. *Circ Arrhythm Electrophysiol.* 2025 Jan;18(1):e013093
 16. **Kawaji T**, Hamatani Y, Kato M, Yokomatsu T, Miki S, Abe M, Akao M. Bundle branch block patterns during atrial fibrillation rhythm for heart failure events. *Int J Cardiol.* 2025 Jan 15;419:132710
 17. **Kawaji T**, Kaneda K, Yaku H, Bao B, Hojo S, Tezuka Y, Matsuda S, Shiomi H, Kato M, Yokomatsu T, Miki S, Ono K. Intracardiac energy inefficiency during decompensated and compensated heart failure. *ESC Heart Fail.* 2025;12(1):101-109
 18. **Kawaji T**, Shizuta S, Yaku H, Kaneda K, Yoneda F, Nishiwaki S, Tanaka M, Aizawa T, Hojo S, Nakatsuma K, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Efficacy and safety of Saireito (TJ-114) in patients with atrial fibrillation undergoing catheter ablation procedures: a randomized pilot study. *PLOS one.* 2024 Aug 1;19(8):e0307854
 19. **Kawaji T**, Yamano S, Aizawa T, Naka M, Bao B, Hojo S, Tezuka Y, Matsuda S, Kato M, Yokomatsu T, Miki S. Novel near-field detection algorithm-guided slow pathway ablation in atrioventricular nodal reentrant tachycardia. *Heart Rhythm.* 2024;(8):1440-1442
 20. **Kawaji T**, Hojo S, Bao B, Tezuka Y, Nakatsuma K, Matsuda S, Kato M, Yokomatsu T, Miki S. Variation in the frozen lesion size according to the non-occluded application duration and technique for cryoballoon ablation. *PLOS one.* 2024;19(1):e0297263
 21. **Kawaji T**, Aizawa T, Yamano S, Naka M, Bao B, Hojo S, Tezuka Y, Nakatsuma K, Matsuda S, Kato M, Yokomatsu T, Miki S. Reliable focal and rotational activations in CARTOFINDER mapping using the OctaRay catheter. *J Cardiovasc Electrophysiol.* 2024;35:328-340
 22. **Kawaji T**, Hamatani Y, Kato M, Yokomatsu T, Miki S, Abe M, Akao M. Clinical significance of ST-segment depression during atrial fibrillation rhythm for subsequent heart failure events. *Eur Heart J Open.* 2023 Jun 9;3(3):oead060
 23. **Kawaji T**, Shizuta S, Aizawa T, Nishiwaki S, Yoshizawa T, Nishiuchi S, Kato M, Yokomatsu T, Miki S. Prognostic importance of B-type natriuretic peptide level in patients undergoing catheter ablation for atrial fibrillation. *Circ J.* 2023;87(12):1730-1739.
 24. **Kawaji T**, Matsuda S, Kato M, Yokomatsu T, Miki S. Growing thrombus adhesion on the left atrial wall after catheter ablation of atrial fibrillation. *J Arrhythm.* 2023;39(3):467-469
 25. **Kawaji T**, Shiomi H, Bao B, Hojo S, Tezuka Y, Yaku H, Nakatsuma K, Matsuda S, Kaneda K, Kato M, Yokomatsu T, Miki S. Intracardiac energy inefficiency during atrial fibrillation rhythm with heart failure: assessment by echo-vector flow mapping. *Int J Cardiol.* 2023;379:136-142.

26. **Kawaji T**, Shizuta S, Tanaka M, Nishiwaki S, Aizawa T, Yamagami S, Yoshizawa T, Komasa A, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Prognostic impact of catheter ablation in patients with asymptomatic atrial fibrillation. *PLOS one*. 2023;17:e0279178
27. **Kawaji T**, Yamagami S, Shizuta S, Aizawa T, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Relation of a filling defect of left atrial appendage by contrast computed tomography image to subsequent clinical events in patients with atrial fibrillation receiving catheter ablation procedures. *Am J Cardiol*. 2022;180:29-36
28. **Kawaji T**, Aizawa T, Hojo S, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. Reproducibility and stability of atrial fibrillation drivers identified by an automated algorithm: CARTOFINDER. *J Interv Card Electrophysiol*. 2022;65:461-470
29. **Kawaji T**, Aizawa T, Hojo S, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. Instability of rotational activation as a atrial fibrillation drivers: assessment by ExTRa Mapping system. *Pacing Clin Electrophysiol*. 2022;45:688-695
30. **Kawaji T**, Aizawa T, Hojo S, Kushiyama A, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. Concomitant spatiotemporal electrogram dispersion and low voltage during atrial fibrillation is associated with refractory atrial fibrillation after catheter ablation. *Circ Arrhythm Electrophysiol*. 2022;15:e010707
31. **Kawaji T**, Shizuta S, Kyohei Y, Tanaka M, Kitano K, Aizawa T, Yamagami S, Komasa A, Yoshizawa T, Kato M, Yokomatsu T, Miki S, Ono K, Morimoto T, Kimura T. Matched comparison of catheter ablation versus conservative management for atrial fibrillation. *Heart Vessels*. 2022;37:1242-1254
32. **Kawaji T**, Ogawa H, Hamatani Y, Kato M, Yokomatsu T, Miki S, Abe M, Akao M. Fine fibrillatory wave as a risk factor for heart failure events in patients with atrial fibrillation: The Fushimi AF Registry. *J Am Heart Assoc*. 2022;11:e024341
33. **Kawaji T**, Morimoto T, Aizawa T, Hojo S, Kushiyama A, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S, Kimura T. Different Kinetics of Activated Clotting Time among Uninterrupted Oral Anticoagulants during Catheter Ablation Procedure. *J Clin Pharmacol*. 2021;62:792-800
34. **Kawaji T**, Ogawa H, Hamatani Y, Kato M, Yokomatsu T, Miki S, Abe M, Akao M. Association of inverted T wave during atrial fibrillation rhythm with subsequent cardiac events. *Heart*. 2022;108:178-18
35. **Kawaji T**, Ono K, Sowa N, Aizawa T, Hojo S, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Shizuta S, Miki S, Kimura T. Association between serum inflammatory biomarkers and atrial low voltage in patients with atrial fibrillation. *Int J Cardiol Heart Vasc*. 2021;37:100904
36. **Kawaji T**, Aizawa T, Hojo S, Kushiyama A, Yaku H, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. The impact of current strategy using intracardiac echocardiography, lesion index, and minimum substrate ablation on clinical outcomes after catheter ablation for atrial fibrillation. *J Arrhythm*. 2021;37:1278-1286s
37. **Kawaji T**, Shizuta S, Aizawa T, Yamagami S, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Impact of catheter ablation for atrial fibrillation on cardiac disorders in patients with coexisting heart failure. *ESC Heart Fail*. 2021;8:670-679
38. **Kawaji T**, Shizuta S, Aizawa T, Yamagami S, Takeji Y, Yoshikawa Y, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Renal function and outcomes in atrial fibrillation patients after catheter ablation. *PLOS one* 2020;9;15:e0241549

39. **Kawaji T**, Kaneda K, Kato M, Yokomatsu T. Iatrogenic atrial septal defect causing position-dependent hypoxemia. *JACC Cardiovasc interv.* 2020;13:2081-2082
40. **Kawaji T**, Kato M, Yokomatsu T. How to release PentaRay catheter entrapped in the hinge point of mechanical mitral valve?. *Europace* 2019;22:204
41. Matsumura-Nakano Y, **Kawaji T**, Shiomi H, Kawai-Miyake K, Kataoka M, Charles A Taylor, Watanabe H, Tazaki J, Saito N, Shizuta S, Ono K, Morimoto T, Kimura T. Optimal Cut-off Value of Fractional Flow Reserve Derived from Coronary Computed Tomography Angiography for Predicting Hemodynamically Significant Coronary Artery Disease in Real-World Clinical Practice. *Circ Cardiovasc Imaging.* 2019;12:e008950.
42. **Kawaji T**, Hojo S, Kushiyama A, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. Limitations of lesion quality estimated by ablation index an in vitro study. *J Cardiovasc Electrophysiol* 2019;30:926-933
43. **Kawaji T**, Shizuta S, Yamagami S, Aizawa T, Komasa A, Yoshizawa T, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Early choice for catheter ablation reduced readmission in management of atrial fibrillation Impact of diagnosis-to-ablation time. *Int J Cardiol* 2019; 291:69-76
44. **Kawaji T**, Hojo S, Kushiyama A, Nakatsuma K, Kaneda K, Kato M, Yokomatsu T, Miki S. Optimal cutoff value of bipolar low-voltage in electroanatomic voltage mapping during atrial fibrillation rhythm. *Pacing Clin Electrophysiol.* 2019;42:663-669
45. **Kawaji T**, Numamoto H, Yamagami S, Mabuchi R, Kitamura T, Enoki N, Koizumi K, Kanao S, Kato M, Yokomatsu T, Shizuta S, Miki S, Ono K, Togashi K, Kimura T. Real-time surveillance of left atrial appendage thrombus during contrast computed tomography imaging for catheter ablation: THE Reliability of cOMputed tomography Beyond UltraSound in THROMBUS detection (THROMBUS) study. *J Thromb Thrombolysis.* 2019;47:42-5
46. **Kawaji T**, Shizuta S, Yamagami S, Aizawa T, Yoshizawa T, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Clinical Utility of Intravenous Nifekalant Injection during Radiofrequency catheter Ablation for Persistent Atrial Fibrillation. *J Atr Fibrillation.* 2018;11:829
47. **Kawaji T**, Shizuta S, Yamagami S, Aizawa T, Komasa A, Yoshizawa T, Kato M, Yokomatsu T, Miki S, Ono K, Kimura T. Impact of Pre-Existing Bradycardia on Subsequent Needs for Pacemaker Implantation after Radiofrequency Catheter Ablation for Atrial Fibrillation. *Cir J.* 2018;82:2493-2499
48. **Kawaji T**, Shiomi H, Morimoto T, Furukawa Y, Nakagawa Y, Kadota K, Ando K, Mizoguchi T, Abe M, Takahashi M, Kimura T. Long-term Clinical Outcomes in Patients with ST-segment Elevation Acute Myocardial Infarction Complicated by Cardiogenic Shock due to Acute Pump Failure. *Eur Heart J Acute Cardiovasc Care.* 2018;7:743-754
49. **Kawaji T**, Shizuta S, Morimoto T, Aizawa T, Yamagami S, Yoshizawa T, Ota C, Onish N, Sasaki Y, Yahata M, Nakai K, Hayano M, Nakao T, Hanazawa K, Goto K, Doi, T Ono K, Kimura T. Very long-term clinical outcomes after radiofrequency catheter ablation for atrial fibrillation: a large single-center experience. *Int J Cardiol.* 2017;249:204-213.
50. **Kawaji T**, Shiomi H, Morishita H, Morimoto T, Charles A Taylor, Kanao S, Koizumi K, Kozawa S, Morihiro K, Watanabe H, Tazaki J, Imai M, Saito N, Shizuta S, Ono K, Togashi K, Kimura T. Feasibility and Diagnostic Performance of Fractional Flow Reserve Measurement Derived from Coronary Computed Tomography Angiography in Real Clinical Practice. *Int J Cardiovasc Imaging.* 2017;33:271-281

51. **Kawaji T**, Shiomi H, Shizuta S, Kimura T. Diagnosis of functional ischemia in a right coronary artery with anomalous aortic origin. *J Cardiovasc Comput Tomogr.* 2016;10:188-90
52. **Kawaji T**, Shizuta S, Makiyama T, Kimura T. Early-onset Atrial Fibrillation in Brothers with a Huge Left Atrial Appendage. *Intern Med.* 2016;55:1117-20.
53. Kaitani K, Inoue K, Kobori A, Nakazawa Y, Ozawa T, Kurotobi T, Morishima I, Miura F, Watanabe T, Masuda M, Naito M, Fujimoto H, Nishida T, Furukawa Y, Shirayama T, Tanaka M, Okajima K, Yao T, Egami Y, Satomi K, Noda T, Miyamoto K, Haruna T, **Kawaji T**, Yoshizawa T, Toyota T, Yahata M, Nakai K, Sugiyama H, Higashi Y, Ito M, Horie M, Kusano KF, Shimizu W, Kamakura S, Morimoto T, Kimura T, Shizuta S; EAST-AF Trial Investigators. Efficacy of Antiarrhythmic Drugs Short-Term Use After Catheter Ablation for Atrial Fibrillation (EAST-AF) trial. *Eur Heart J.* 2016;37:610-8
54. **Kawaji T**, Shiomi H, Morimoto T, Tazaki J, Imai M, Saito N, Makiyama T, Shizuta S, Ono K, Kimura T. Clinical impact of left ventricular outflow tract obstruction in takotsubo cardiomyopathy. *Circ J.* 2015;79:839-46.
55. **Kawaji T**, Kimura T. The Diagnostic Performance of Multifunction Cardiogram (MCG) in Functional Myocardial Ischemia. *Ann Noninvasive Electrocardiol.* 2015;20:508-10.
56. **Kawaji T**, Shiomi H, Morimoto T, Nishikawa R, Yano M, Higami H, Tazaki J, Imai M, Saito N, Makiyama T, Shizuta S, Ono K, Kimura T. Noninvasive Detection of Functional Myocardial Ischemia: Multifunction Cardiogram Evaluation in Diagnosis of Functional Coronary Ischemia Study (MED-FIT). *Ann Noninvasive Electrocardiol.* 2015;20:446-53.
57. Kobori A, Shizuta S, Inoue K, Kaitani K, Morimoto T, Nakazawa Y, Ozawa T, Kurotobi T, Morishima I, Miura F, Watanabe T, Masuda M, Naito M, Fujimoto H, Nishida T, Furukawa Y, Shirayama T, Tanaka M, Okajima K, Yao T, Egami Y, Satomi K, Noda T, Miyamoto K, Haruna T, **Kawaji T**, Yoshizawa T, Toyota T, Yahata M, Nakai K, Sugiyama H, Higashi Y, Ito M, Horie M, Kusano KF, Shimizu W, Kamakura S, Kimura T; UNDER-ATP Trial Investigators. Adenosine triphosphate-guided pulmonary vein isolation for atrial fibrillation: the UNmasking Dormant Electrical Reconduction by Adenosine TriPhosphate (UNDER-ATP) trial. *Eur Heart J.* 2015;36:3276-87.
58. **Kawaji T**, Shiomi H, Morimoto T, Tamura T, Nishikawa R, Yano M, Tazaki J, Imai M, Saito N, Makiyama T, Shizuta S, Ono K, Kimura T. Long-term efficacy and safety outcomes after unrestricted use of drug-eluting stents in patients with acute coronary syndrome: mortality and major bleeding in a single-center registry. *Circ J.* 2014;78:1628-35.
59. **Kawaji T**, Shiomi H, Togashi Y, Gunji D, Imai M, Doi T, Kimura T. Coronary air embolism and cardiogenic shock during computed tomography-guided needle biopsy of the lung. *Circulation.* 2012;126:e195-7.