

CURRICULUM VITAE

Feb. 9th, 2025

Name : Satoaki Matoba

Sex : Male

Date of birth: September 19, 1964

Nationality: Japanese

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Academic Education and Appointments:

Apr.1984-Mar.1990 Kyoto Prefectural University of Medicine, Kyoto, Japan B.S. awarded 3/90, M.D. awarded 5/19/1990

Apr.1990-Mar.1992 Residency, Second Dept. of Internal Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan

Apr.1992-Mar.1993 Department of Emergency Internal Medicine, Kyoto Second Red Cross Hospital, Kyoto, Japan

Apr.1993-Mar.1994 Department of Cardiology, Kyoto Second Red Cross Hospital, Kyoto, Japan

Apr.1994-Mar.1998 Graduate school of Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan PhD. awarded 1/29/1999

Apr.1998- Mar.2003 Assistant Professor at Second Department of Internal Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan Department of Cardiology, Kyoto Prefectural Rakutou Hospital, Kyoto, Japan

Apr.2003- July 2006

Visiting fellow at Cardiology branch, NHLBI/NIH

July 2006-July 2015 Assistant Professor Department of Cardiovascular Medicine, Graduate school of Medicine, Kyoto Prefectural University of Medicine, Kyoto, Japan

Aug 2015-present Professor Department of Cardiovascular Medicine, Dept of Nephrology, Graduate school of Medicine, Kyoto Prefectural University of Medicine

Oct. 2016-present Professor Department of longevity and regional health, Graduate school of Medicine, Kyoto Prefectural University of Medicine

Mar. 2018-present Professor Department of Cardiac arrhythmia research and innovation, Graduate school of Medicine, Kyoto Prefectural University of Medicine

Apr. 2020- Mar.2023 Advisor to the president for Clinical Research Core Hospital,

Graduate school of Medicine, Kyoto Prefectural University of Medicine

Apr. 2021- Mar.2023 Vice president of the Hospital of Kyoto Prefectural University of Medicine

May. 2021-Mar.2023 Advisor to the president for Work System Reform,

Graduate school of Medicine, Kyoto Prefectural University of Medicine

Apr. 2023-present Vice president, Graduate school of Medicine, Kyoto Prefectural University of Medicine

AWARDS

Shyouren awards in 2000 (Kyoto Prefectural University of Medicine)

Fellows Retreat Research Award 4/27/2006 (National Institutes of Health /National Heart, Lung, and Blood Institute)

Regeneration Award, Clinical category, 3/2009(Japanese Circulation Society)

Prizes for Science and Technology, Development Category, The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology 4/2009

Prize for Science, The Commendation for special category by the governor of Kyoto prefecture(Kyoto prefecture) 6/2009

Prize for Culture and Academia (Kyoto Shinbun) 11/2009

Prize for Science, The Commendation for special category by the governor of Kyoto prefecture(Kyoto prefecture) 6/2014

Top Citation Award Transrational Research Center for Medical Innovation 9/2018

Best Reviewer Award for 2021 International Heart Journal Association 3/2022

Academic Prize Japanese Society of Anti-Aging Medicine 5/31/2024

Certifications: Japanese National Board of Medicine (#328557) May 19,1990

Membership in professional societies:

Japanese Society of Circulation	1990
Japanese Society of Internal Medicine	1990
Japanese College of Cardiology	1992
Japanese Society of Interventional Cardiology	1992
American Heart Association	1995
Japanese Heart Failure Society	1998
Japanese Society of Hypertension	2010
International Society for Heart Research Japan Section	2011
Council (since Dec.2011)	

Research Area(s) of Interest

Heart Failure, Energy Metabolism, Arrhythmia, Regeneration

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The undersigned declares that the above statement is true and correct.

Satoaki Matoba, MD, PhD

Major research, published articles, papers (13 most recent study-related publications)

1. Tomita S, **Matoba S.** et al. The Cavin-1/Caveolin-1 interaction attenuates BMP/Smad signaling in pulmonary hypertension by interfering with BMPR2/Caveolin-1 binding. **Commun Biol.** 7:40.2024
2. Yashige M,, **Matoba S.**et al. Assessment of Gastrointestinal Angiodysplasia Before and After Treatment of Severe Aortic Stenosis. **New Eng J Med.** 389(16):1530-1532. 2023
3. Hino T, **Matoba S.** et al. Structure-based deep mutational scanning of compact Cas12f effector. **Cell** S0092-8674(23)00963-7. 2023
4. Urano E, **Matoba S.** et al. An inhaled ACE2 decoy confers protection against SARS-CoV-2 infection in preclinical models. **Sci Transl Med.** 15(711):eadi2623.2023 .
5. Minami Y, **Matoba S.** et al. Liver lipophagy ameliorates nonalcoholic steatohepatitis through extracellular lipid secretion. **Nat Commun.** 14(1):4084. 2023
6. Takigami M, **Matoba S.** et al. Efficacy and safety of guide extension catheter in balloon pulmonary angioplasty for treatment of complex lesions in chronic thromboembolic pulmonary hypertension. **PLoS One.** 18:e0280683. 2023
7. Ramadhani R, , **Matoba S.** et al. Endothelial cell senescence exacerbates pulmonary hypertension by inducing juxtacrine Notch signaling in smooth muscle cells. **iScience.** 26(5):106662. 2023 I
8. Tsubata H, **Matoba S.** et al. Pulmonary artery blood flow dynamics in chronic thromboembolic pulmonary hypertension. **Sci Rep.** 13(1):6490. 2023
9. Kasahara T, **Matoba S.** et al . Cavin-2 loss exacerbates hypoxia-induced pulmonary hypertension with excessive eNOS phosphorylation and protein nitration. **Heliyon.** 9:e17193..2023
10. Ogo T, **Matoba S.** et al. Selexipag for the treatment of chronic thromboembolic pulmonary hypertension. **Eur Respir J.** 60(1):2101694.2022
11. Nishi M, **Matoba S.** et al. Energy-sparing by 2-methyl-2-thiazoline protects heart from ischaemia/reperfusion injury. **ESC Heart Fail.** 9(1):428-441.2022
12. Uchihashi M, **Matoba S.** et al. Cardiac-Specific Bdh1 Overexpression Ameliorates Oxidative Stress and Cardiac Remodeling in Pressure Overload-Induced Heart Failure. **Circ Heart Fail.** 10:e004417.2017
13. **Matoba S.** et al. p53 regulates mitochondrial respiration. **Science.** 312:1650-3.2006

List of publication

- 1: Kawamata H, Yanishi K, Yoshimura J, Ozawa T, Goto D, Hori Y, Fujioka A, Shoji K, Yukawa A, [Matoba S](#). Prognostic Factors After Bone Marrow-Derived Mononuclear Cell Implantation in No-Option Chronic Limb-Threatening Ischemia Patients with Atherosclerotic Lower Extremity Artery Disease. *Int Heart J*. 2025;66(1):96-105. doi: 10.1536/ihj.24-440. PMID: 39894555.
- 2: Fukui K, Koide M, Takamatsu K, Sugimoto H, Takeda Y, Akabame S, Seki T, Zen K, [Matoba S](#). Clinical Outcomes of Percutaneous Coronary Intervention Using Drug-Coated Balloons for De Novo Coronary Lesions With Eruptive Calcified Nodules as Detected by Optical Coherence Tomography. *Circ J*. 2025 Jan 21. doi: 10.1253/circj.CJ-24-0588. Epub ahead of print. PMID: 39842801.
- 3: Sano A, Sugimoto T, Iwasaki T, Miki T, Takai S, Wakana N, Zen K, Yamada H, [Matoba S](#). Pre-distance assessment from radial artery to lower extremity arterial lesion. *Int J Cardiovasc Imaging*. 2025 Jan 8. doi: 10.1007/s10554-025-03328-7. Epub ahead of print. PMID: 39779617.
- 4: Munakata J, Senoo K, Nakata M, Teramukai S, Kumagai M, Yamaoka M, Nishimura H, [Matoba S](#). Impact of longitudinal changes in serum uric acid levels and weight gain on new-onset atrial fibrillation-The Nishimura Health Survey: a retrospective cohort study. *BMJ Open*. 2024 Nov 27;14(11):e091175. doi: 10.1136/bmjopen-2024-091175. PMID: 39609001; PMCID: PMC11603741.
- 5: Senoo K, Nakata M, Yukawa A, Kawai K, Munakata J, Makino M, Tomura N, Iwakoshi H, Nishimura T, Shimoo S, Shiraishi H, Teramukai S, [Matoba S](#). Relationship Between Screening-Detected Atrial Fibrillation and Blood Pressure Levels in Elderly Hypertensive Patients: The OMRON Heart Study. *Thromb Haemost*. 2024 Dec 13. doi: 10.1055/a-2484-0641. Epub ahead of print. PMID: 39586832.
- 6: Shimoo S, Senoo K, Okawa T, Kawai K, Makino M, Munakata J, Tomura N, Iwakoshi H, Nishimura T, Shiraishi H, Inoue K, [Matoba S](#). Using Machine Learning to Predict the Duration of Atrial Fibrillation: Model Development and Validation. *JMIR Med Inform*. 2024 Nov 22;12:e63795. doi: 10.2196/63795. PMID: 39576988; PMCID: PMC11624443.
- 7: Nishi M, Miyamoto Y, Iwanaga Y, Kanaoka K, Sumita Y, Ishihara M, Katamura M, Kohsaka S, Nakayama M, Node K, Bando YK, Hirao Y, Fukuda K, Matoba T, Fukumoto Y, [Matoba S](#); JROAD Investigators. Hospitalized Patients, Treatments, and Quality of Care for Cardiovascular Diseases in Japan - Outline of the Nationwide JROAD Investigation. *Circ J*. 2024 Nov 19. doi: 10.1253/circj.CJ-24-0704. Epub ahead of print. PMID: 39566969.
- 8: Yanagiuchi T, Fukai K, Sogabe K, Iwasaki Y, Hirano K, Kato T, Yokoi H, Zen K, [Matoba S](#). Predictors of recurrent restenosis after repeat drug-coated balloon therapy for drug-coated balloon restenosis in femoropopliteal lesions: Results of the RECURRENCE study. *Catheter Cardiovasc Interv*. 2024 Nov;104(6):1241-1250. doi: 10.1002/ccd.31245. Epub 2024 Sep 30. PMID: 39350479.
- 9: Naito Y, Yasuda T, Kitae H, Takagi T, Mizushima K, Koyoma T, Inoue R, Ouchi N, Adachi A, Kamitani T, [Matoba S](#). A cross-sectional study on the relationship between nutrient/food intake and gut microbiota in frailty among older community residents: The Kyotango study. *J Clin Biochem Nutr*. 2024 Sep;75(2):161-173. doi: 10.3164/jcbs.24-93. Epub 2024 Jun 28. PMID: 39345290; PMCID: PMC11425074.
- 10: Ozawa T, Yanishi K, Fujioka A, Seki T, Zen K, [Matoba S](#). Editor's Choice - Comparison of Clinical Outcomes in Patients with Acute Lower Limb Ischaemia Undergoing Endovascular Therapy and Open Surgical Revascularisation: A Large Scale Analysis in Japan. *Eur J Vasc Endovasc Surg*. 2024 Dec;68(6):748-756. doi: 10.1016/j.ejvs.2024.08.039. Epub 2024 Aug 30. PMID: 39218296.
- 11: Otsuka A, Yamano M, Yamano T, Kawajiri H, Nukui Y, Yaku H, [Matoba S](#). Platypnea-orthodeoxia syndrome developed with the progression of pulmonary parenchymal involvement: A case report. *J Cardiol Cases*. 2024 Feb 13;29(5):234-237. doi: 10.1016/j.jccase.2024.01.007. PMID: 39100511; PMCID: PMC11295019.
- 12: Harada Y, Makino M, Nakao R, Shimura Y, Ogata T, Hayakawa M, Shiraishi H, Kuroda J, [Matoba S](#), Tanaka H. An Autopsy Case of Severe COVID-19 Pneumonia Complicated by Intrapulmonary Thrombosis in Myelodysplastic/Myeloproliferative Neoplasm With Ring Sideroblasts and Thrombocytosis. *Cureus*. 2024 Jun 20;16(6):e62790. doi: 10.7759/cureus.62790. PMID: 39036222; PMCID: PMC11260265.
- 13: Fujimoto T, Zen K, Kataoka E, Kitada T, Takahara M, Tani R, Nakamura S, Yashige M, Yamano M, Yamano T, Nakamura T, [Matoba S](#). Balloon aortic valvuloplasty bridge to transcatheter aortic valve replacement is associated with worse in-hospital mortality. *Int J Cardiol*. 2024 Oct 15;413:132348. doi: 10.1016/j.ijcard.2024.132348. Epub 2024 Jul 6. PMID: 38977224.
- 14: Nishi M, Nakamura T, Yanishi K, [Matoba S](#); AMI-Kyoto Multi-Center Risk Study Group. Adaptability of prognostic prediction models for patients with acute coronary syndrome during the COVID-19 pandemic. *BMJ Health Care Inform*. 2024 Jul 1;31(1):e101074. doi: 10.1136/bmjhci-2024-101074. PMID: 38955390; PMCID: PMC11218009.
- 15: Goto D, Yanishi K, Ozawa T, Yoshimura J, Kawamata H, Fujioka A, Seki T, Zen K, [Matoba S](#). Comparison of Endovascular Therapy and Open Surgical Revascularization in Patients With Acute Superior Mesenteric Artery Occlusion: A Large-Scale Analysis Based on the JROAD-DPC Database. *J Am Heart Assoc*. 2024 Jun 18;13(12):e035017. doi: 10.1161/JAHA.124.035017. Epub 2024 Jun 15. PMID: 38879458; PMCID: PMC11255773.
- 16: Maruyama N, Ogata T, Kasahara T, Hamaoka T, Higuchi Y, Tsuji Y, Tomita S, Sakamoto A, Nakanishi N, [Matoba S](#). Loss of Cavin-2 destabilizes phosphatase and tensin homologue and enhances Akt signalling pathway in cardiomyocytes. *Cardiovasc Res*. 2024 Nov

5;120(13):1562-1576. doi: 10.1093/cvr/cvae130. PMID: 38861679.

17: Tomura N, Nakagami T, Kikai M, Hamaoka T, Fukai K, Yamaguchi S, Matsubayashi K, [Matoba S](#). Acute Heart Failure Due to a Fistula Between the Anastomotic Pseudoaneurysm and the Right Atrium Following a Previous Aortic Dissection Repair. *CJC Open*. 2024 Jan 26;6(5):755-758. doi: 10.1016/j.cjco.2024.01.005. PMID: 38846441; PMCID: PMC11150946.

18: Okuno-Ozeki N, Kohama Y, Taguchi H, Kawate Y, Umehara M, Minamida A, Yamauchi-Sawada H, Sunahara Y, Matoba Y, Nakamura I, Nakai K, Nakata T, Kirita Y, Taniguchi T, Tamagaki K, Hirao T, [Matoba S](#), Kusaba T. Aversion to a High Salt Taste is Disturbed in Patients With CKD. *Kidney Int Rep*. 2024 Feb 16;9(5):1254-1264. doi: 10.1016/j.ekir.2024.02.1393. PMID: 38707820; PMCID: PMC11069016.

19: Matsuoka T, Oya N, Imai A, Sun W, Kitabayashi Y, Akazawa K, Yamada K, Ikeda K, [Matoba S](#), Narumoto J. Intracranial calcifications associated with factors related and unrelated to atherosclerosis in older people: A community dwelling cohort study. *Heliyon*. 2024 Apr 23;10(9):e30011. doi: 10.1016/j.heliyon.2024.e30011. PMID: 38707275; PMCID: PMC11066399.

20: Nishi M, Nagamitsu R, [Matoba S](#). Association between daily step counts and healthy life years: a national cross-sectional study in Japan. *BMJ Health Care Inform*. 2024 Apr 30;31(1):e101051. doi: 10.1136/bmjhci-2024-101051. PMID: 38688685; PMCID: PMC11103203.

21: Tomura N, Shiraishi H, Makino M, Munakata J, Shimoo S, Iwakoshi H, Nishimura T, Ohkura T, Senoo K, [Matoba S](#). Pitfalls and tips for lumenless lead extraction inserted deep within the ventricular septum. *Clin Case Rep*. 2024 Apr 24;12(5):e8718. doi: 10.1002/ccr3.8718. PMID: 38681029; PMCID: PMC11043091.

22: Kobara M, Inaba T, [Matoba S](#), Nakata T. Discrepant serum creatinine concentrations caused by paraprotein interference preceding diagnosis of monoclonal gammopathy of undetermined significance. *BMJ Case Rep*. 2024 Apr 25;17(4):e256242. doi: 10.1136/bcr-2023-256242. PMID: 38670567; PMCID: PMC11057284.

23: Takahara M, Yamano M, Yamano T, Zen K, [Matoba S](#). Dynamic Pulmonary Vein Stenosis After Left Pneumonectomy. *JACC Case Rep*. 2024 Feb 29;29(7):102284. doi: 10.1016/j.jaccas.2024.102284. PMID: 38645288; PMCID: PMC11031676.

24: Yashige M, Zen K, Yamano T, [Matoba S](#). Critical clip opening while locked: a rare phenomenon after transcatheter edge-to-edge mitral valve repair. *Eur Heart J Case Rep*. 2024 Mar 23;8(4):ytac148. doi: 10.1093/ehjcr/ytac148. PMID: 38567278; PMCID: PMC10986389.

25: Yamazaki E, Ikeda K, Urata R, Ueno D, Katayama A, Ito F, Ikegaya H, [Matoba S](#). Endothelial CLEC-1b plays a protective role against cancer hematogenous metastasis. *Biochem Biophys Res Commun*. 2024 May 14;708:149819. doi: 10.1016/j.bbrc.2024.149819. Epub 2024 Mar 22. PMID: 38531221.

26: Taya T, Kami D, Teruyama F, [Matoba S](#), Gojo S. Peptide-encoding gene transfer to modulate intracellular protein-protein interactions. *Mol Ther Methods Clin Dev*. 2024 Feb 28;32(2):101226. doi: 10.1016/j.omtm.2024.101226. PMID: 38516692; PMCID: PMC10952081.

27: Senoo K, Yukawa A, Iwakoshi H, Nishimura T, Shimoo S, Inoue K, Sakatani T, Kakita K, Hattori T, Kitajima H, Nakai K, Nishiuchi S, Nakata M, Teramukai S, Shiraishi H, [Matoba S](#). Impact of physician interpretation of at-home ECG on clinically-detected AF. *Int J Cardiol Heart Vasc*. 2024 Mar 5;51:101378. doi: 10.1016/j.ijcha.2024.101378. PMID: 38482386; PMCID: PMC10933494.

28: Tsuji Y, Ogata T, Mochizuki K, Tamura S, Morishita Y, Takamatsu T, [Matoba S](#), Tanaka H. Myofibroblasts impair myocardial impulse propagation by heterocellular connexin43 gap-junctional coupling through micropores. *Front Physiol*. 2024 Feb 23;15:1352911. doi: 10.3389/fphys.2024.1352911. PMID: 38465264; PMCID: PMC10920281.

29: Matsuki A, Watanabe Y, Hashimoto S, Hoshino A, [Matoba S](#). Cathepsin L prevents the accumulation of alpha-synuclein fibrils in the cell. *Genes Cells*. 2024 Apr;29(4):328-336. doi: 10.1111/gtc.13099. Epub 2024 Feb 17. PMID: 38366711.

30: Tomita-Yagi A, Ozeki-Okuno N, Watanabe-Uehara N, Komaki K, Umehara M, Sawada-Yamauchi H, Minamida A, Sunahara Y, Matoba Y, Nakamura I, Nakata T, Nakai K, Ida T, Yamashita N, Kamezaki M, Kirita Y, Taniguchi T, Konishi E, [Matoba S](#), Tamagaki K, Kusaba T. The importance of proinflammatory failed-repair tubular epithelia as a predictor of diabetic kidney disease progression. *iScience*. 2024 Jan 26;27(2):109020. doi: 10.1016/j.isci.2024.109020. PMID: 38357667; PMCID: PMC10865398.

31: Iwakoshi H, Asada YC, Nakata M, Makino M, Munakata J, Tomura N, Shimoo S, Nishimura T, Shiraishi H, [Matoba S](#), Senoo K. Impact of Sleep Apnea on Nocturnal Parasympathetic Activity in Atrial Fibrillation Patients After Catheter Ablation - Implications for Heart Rate Variability Analysis. *Circ J*. 2024 Jun 25;88(7):1081-1088. doi: 10.1253/circj.CJ-23-0682. Epub 2024 Jan 27. PMID: 38281763.

32: Yamamoto Y, Yamamoto T, Miyamoto N, Kinoshita K, Nishikawa S, Adachi T, Takizawa S, Inoue R, [Matoba S](#), Kanamura N. Oral Function and the Oral Microbiome in the Elderly in the Kyotango Area. *Dent J (Basel)*. 2024 Jan 18;12(1):16. doi: 10.3390/dj12010016. PMID: 38248224; PMCID: PMC10814942.

33: Yamano M, Yamano T, [Matoba S](#). Right ventricular dilatation: echocardiographic differential diagnosis. *J Med Ultrason* (2001). 2024 Apr;51(2):275-282. doi: 10.1007/s10396-023-01399-4. Epub 2024 Jan 16. PMID: 38228943.

34: Tomita S, Nakanishi N, Ogata T, Higuchi Y, Sakamoto A, Tsuji Y, Suga T, [Matoba S](#). The Cavin-1/Caveolin-1 interaction attenuates BMP/Smad signaling in pulmonary hypertension by interfering with BMPR2/Caveolin-1 binding. *Commun Biol*. 2024 Jan 5;7(1):40. doi: 10.1038/s42003-023-05693-2. PMID: 38182755; PMCID: PMC10770141.

- 35: Nishiji T, Hoshino A, Uchio Y, Matoba S. Generation of inducible mitophagy mice. *Genes Cells*. 2024 Feb;29(2):159-168. doi: 10.1111/gtc.13091. Epub 2023 Dec 22. PMID: 38131500.
- 36: Hayashi H, Kawasaki T, Sakai C, Matoba S. Hummingbird-like cannon a-waves. *Eur Heart J Case Rep*. 2023 Dec 20;7(12):ytad613. doi: 10.1093/ehjcr/ytad613. PMID: 38130857; PMCID: PMC10733585.
- 37: Kasai K, Kawasaki T, Hashimoto S, Kanehiro C, Yabu S, Shindo A, Matoba S. Jugular Venous Pressure and Kussmaul's Sign as Predictors of Outcome in Heart Failure. *Int Heart J*. 2023;64(6):1088-1094. doi: 10.1536/ihj.23-183. PMID: 38030293.
- 38: Yasuda T, Matsuoka T, Takagi T, Oya N, Akazawa K, Inoue R, Mizushima K, Ouchi N, Adachi A, Kamitani T, Itoh Y, Naito Y, Yamada K, Matoba S, Narumoto J. The gut microbiota associated with pineal gland calcification. *Geriatr Gerontol Int*. 2024 Jan;24(1):178-180. doi: 10.1111/ggi.14741. Epub 2023 Nov 22. PMID: 37994221.
- 39: Hashimoto S, Yamano M, Yamano T, Zen K, Matsubara Y, Takamatsu K, Yashige M, Nakamura T, Shiraishi H, Matoba S. Mitral valve leaflet stiffness predicts residual mitral regurgitation after transcatheter edge-to-edge mitral valve repair. *Echocardiography*. 2023 Dec;40(12):1374-1382. doi: 10.1111/echo.15716. Epub 2023 Nov 20. PMID: 37985209.
- 40: Higuchi Y, Ogata T, Nakanishi N, Nishi M, Tsuji Y, Tomita S, Conway SJ, Matoba S. Cavin-2 promotes fibroblast-to-myofibroblast trans-differentiation and aggravates cardiac fibrosis. *ESC Heart Fail*. 2024 Feb;11(1):167-178. doi: 10.1002/ehf2.14571. Epub 2023 Oct 24. PMID: 37872863; PMCID: PMC10804157.
- 41: Miki T, Senoo K, Ohkura T, Yashige M, Zen K, Shiraishi H, Nakamura T, Matoba S. Importance of Monitoring Cardiac Arrhythmias Using 14-Day Patch Electrocardiography in Super Older Patients Who Underwent Transcatheter Aortic Valve Replacement. *Am J Cardiol*. 2023 Dec 15;209:57-59. doi: 10.1016/j.amjcard.2023.09.090. Epub 2023 Oct 16. PMID: 37858594.
- 42: Yashige M, Inoue K, Zen K, Kobayashi R, Nakamura S, Fujimoto T, Takamatsu K, Sugino S, Yamano M, Yamano T, Nakamura T, Doman T, Teramukai S, Horiuchi H, Itoh Y, Matoba S. Gastrointestinal Angiodysplasia before and after Treatment of Severe Aortic Stenosis. *N Engl J Med*. 2023 Oct 19;389(16):1530-1532. doi: 10.1056/NEJMc2306027. PMID: 37851881.
- 43: Nishi M, Shikuma A, Seki T, Horiguchi G, Matoba S. In-hospital mortality and cardiovascular treatment during hospitalization for heart failure among patients with schizophrenia: a nationwide cohort study. *Epidemiol Psychiatr Sci*. 2023 Oct 18;32:e62. doi: 10.1017/S2045796023000744. PMID: 37849318; PMCID: PMC10594642.
- 44: Yashige M, Zen K, Kataoka E, Matoba S. Usefulness of catheter pressure measurement using the Navvus RXi system to determine left ventricular outflow tract obstruction and aortic stenosis severity: a case report. *Eur Heart J Case Rep*. 2023 Sep 21;7(10):ytad471. doi: 10.1093/ehjcr/ytad471. PMID: 37811156; PMCID: PMC10551062.
- 45: Shikuma A, Nishi M, Matoba S. Sex Differences in Process-of-Care and In- Hospital Prognosis Among Elderly Patients Hospitalized With Acute Myocardial Infarction. *Circ J*. 2024 Jul 25;88(8):1201-1207. doi: 10.1253/circj.CJ-23-0543. Epub 2023 Oct 5. PMID: 37793830.
- 46: Yamano M, Yamano T, Nakamura T, Zukeran T, Matsubara Y, Yagi N, Takigami M, Nakanishi N, Zen K, Shiraishi H, Matoba S. Mitral regurgitation outcomes after transcatheter atrial septal defect closure. *Int J Cardiol*. 2024 Jan 15;395:131404. doi: 10.1016/j.ijcard.2023.131404. Epub 2023 Sep 29. PMID: 37777073.
- 47: Hino T, Omura SN, Nakagawa R, Togashi T, Takeda SN, Hiramoto T, Tasaka S, Hirano H, Tokuyama T, Uosaki H, Ishiguro S, Kageva M, Yamano H, Ozaki Y, Motooka D, Mori H, Kirita Y, Kise Y, Itoh Y, Matoba S, Aburatani H, Yachie N, Karvelis T, Siksnyš V, Ohmori T, Hoshino A, Nureki O. An AsCas12f-based compact genome-editing tool derived by deep mutational scanning and structural analysis. *Cell*. 2023 Oct 26;186(22):4920-4935.e23. doi: 10.1016/j.cell.2023.08.031. Epub 2023 Sep 29. PMID: 37776859.
- 48: Yanagiuchi T, Kato T, Hirano K, Hanabusa K, Ota Y, Yamazaki S, Fushimura Y, Ushimaru S, Yokoi H, Zen K, Matoba S. Intrapopliteal 3-Vessel Occlusive Disease Is the Only Predictor of Wound Recurrence After Complete Wound Healing via Endovascular Therapy in Patients With Chronic Limb-Threatening Ischemia. *J Endovasc Ther*. 2023 Sep 13:15266028231197983. doi: 10.1177/15266028231197983. Epub ahead of print. PMID: 37702477.
- 49: Fujimoto T, Tsubata H, Zen K, Ogura E, Matoba S. Optical coherence tomography finding for restenosis in the superficial femoral artery treated with paclitaxel-coated balloon. *Cardiovasc Interv Ther*. 2024 Jan;39(1):93-94. doi: 10.1007/s12928-023-00955-6. Epub 2023 Aug 31. PMID: 37653214.
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