



Albert "A.J." Rogers, MD, MBA, FAHA

Instructor, Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Medicine**

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Bio

BIO

Dr. Rogers is a board-certified, fellowship-trained cardiologist with the Cardiac Arrhythmia Service at Stanford Health Care. He is also an instructor of medicine in the Division of Cardiovascular Medicine, Department of Medicine at Stanford University School of Medicine.

As a clinical cardiac electrophysiologist, Dr. Rogers' training includes evaluating issues involving electrical activity in the heart and how these can lead to an abnormal heart rhythm (arrhythmia). His expertise includes mapping regions in the heart associated with arrhythmias and then applying a minimally invasive therapy (ablation) that targets the responsible areas causing the problem. He also performs procedures to implant cardiac devices, such as pacemakers and defibrillators, designed to synchronize heart contractions and reset irregular heartbeats.

Dr. Rogers specializes in the diagnosis and treatment of atrial fibrillation, ventricular tachycardia, and other arrhythmias. In collaboration with Stanford Medicine cardiovascular surgeons, he performs hybrid surgical-catheter ablation procedures as a more permanent treatment for persistent forms of atrial fibrillation and for inappropriate sinus tachycardia. During this procedure, ablation therapy is applied to areas both inside and outside of the heart responsible for the arrhythmia.

As a physician-researcher, Dr. Rogers' translational research applies biomedical engineering and machine learning approaches to explore the mechanisms underlying cardiac arrhythmia. These efforts include research funded by the National Institutes of Health and the American Heart Association to investigate novel methods for diagnosing and treating heart rhythm disorders. Dr. Rogers has over 10 years of experience with medical technology innovation and development.

Dr. Rogers serves as associate editor of the Journal of Invasive Cardiovascular Electrophysiology. He is also a peer reviewer for multiple prestigious journals, including Heart Rhythm, The Lancet: Digital Health, the Journal of the American College of Cardiology: Clinical Electrophysiology, and Frontiers in Physiology. He has been an invited guest speaker at national and international meetings, including those for the American Heart Association and the European Cardiac Arrhythmia Society.

CLINICAL FOCUS

- Cardiovascular Medicine
- Cardiac Arrhythmia
- Catheter Ablation
- Implantable Cardioverter Defibrillators
- Supraventricular Tachycardia
- Atrial Fibrillation
- Ventricular Tachycardias
- Sudden Cardiac Death
- Clinical Cardiac Electrophysiology

ACADEMIC APPOINTMENTS

- Instructor, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

HONORS AND AWARDS

- Chief Cardiology Fellow, Stanford University School of Medicine
- Loan Repayment Programs Research Service Award, National Institutes of Health
- Medical Alumni Loyalty Fund Scholarship, UNC School of Medicine
- NIDDK STRT grant, Carolina Medical Student Research Program
- UNC Graduate and Professional Student Federation Travel Grant, UNC School of Medicine
- AHA Career Development Award, American Heart Association (2023)
- NIH K23 Patient-Oriented Research Career Development Award, NIH/NHLBI (2023)
- SVT Pioneer, Center of Excellence, Arrhythmia Alliance (2021)
- Heart Rhythm Society Young Investigator Award 2020 Finalist: Basic Science, Heart Rhythm Society (2020)
- Teaching Tomorrow's Teachers (3T), Boston Scientific (2020)
- Heart Rhythm Society Clinical Research Award in Honor of Mark Josephson and Hein Wellens (deferred), Heart Rhythm Society (2018)
- NIH F32 Ruth L Kirschstein National Research Service Award (NRSA) Postdoctoral Fellowship, NIH/NHLBI (2018)
- Stanford Society for Physician Scholars Research Award, Stanford University School of Medicine (2018)
- Alpha Omega Alpha, National Medical Honor Society, University of North Carolina School of Medicine (2014)
- Beta Gamma Sigma, National Scholastic Business Honor Society, University of North Carolina: Kenan-Flagler Business School (2014)
- John B. Graham Research Society, University of North Carolina School of Medicine (2011)
- Eugene S. Mayer Community Service Honor Society, University of North Carolina School of Medicine (2010)
- Departmental Distinction in Biomedical Engineering, Duke University (2009)
- Edmund T. Pratt Undergraduate Research Award, Duke University (2008)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Assistant Editor, Journal of Interventional Cardiac Electrophysiology (2024 - present)
- Research Committee Member, Heart Rhythm Society (2024 - present)
- CLCD Scientific Subcommittee: Arrhythmia and Electrocardiography, American Heart Association (2022 - present)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Cardiac Electrophysiology, American Board of Internal Medicine (2022)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2020)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2017)
- Fellowship: Stanford University Clinical Cardiac Electrophysiology Fellowship (2022) CA
- Fellowship: Stanford University Cardiovascular Medicine Fellowship (2020) CA
- Residency: Stanford University Internal Medicine Residency (2016) CA
- Medical Education: University of North Carolina School of Medicine (2014) NC
- M.D., University of North Carolina , Medicine (2014)
- M.B.A., UNC Kenan-Flagler Business School , Healthcare Entrepreneurship (2014)
- B.S.E., Duke University , Biomedical Engineering, Chemistry, Medicine (2009)

PATENTS

- Stephen C. Masson, Michael Cuchiara, Efrain A. Miranda, Richard A. Glenn, AJ Rogers. "United States Patent US20170189642A1 Systems and methods for neuromodulation therapy of the sympathetic and parasympathetic cardiac nerves", Interventional Autonomics Corporation, Mar 9, 2015

LINKS

- Computational Arrhythmia Research Laboratory: <http://narayanlab.stanford.edu/>

Research & Scholarship

CLINICAL TRIALS

- HEAL-IST IDE Trial, Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cardiac Electrophysiology (Fellowship Program)
- Cardiovascular Medicine (Fellowship Program)

Publications

PUBLICATIONS

- **Non-Cardiac and Cardiac Risk for Ischemic Stroke in Young Adults: The Stanford Y-CORE (Young Cardiovascular Outcomes and Risk Evaluation) Study.** *International journal of stroke : official journal of the International Stroke Society*
Deb, B., Vasireddi, S., Bhatia, N. K., Rogers, A. J., Clopton, P., Heidenreich, P., Baykaner, T., Wang, P. J., Perino, A. C., Narayan, S. M.
2025: 17474930251338611
- **Deep learning on electrocardiogram waveforms to stratify risk of obstructive stable coronary artery disease** *EUROPEAN HEART JOURNAL - DIGITAL HEALTH*
Trivedi, R. K., Chiu, I., Hughes, J., Rogers, A. J., Ouyang, D.
2025
- **CONTINUOUS LONG-TERM QT INTERVAL MONITORING USING SPATIALLY ENCODED DEEP LEARNING OF DERIVED IMPLANTABLE CARDIAC MONITOR SIGNALS**
Ansari, R., Bandyopadhyay, S., Brennan, K., Srivastava, V., Ganesan, P., Feng, R., Baykaner, T., Perez, M., Perino, A., Narayan, S. M., Rogers, A. J.
ELSEVIER SCIENCE INC.2025: 24
- **LARGE LANGUAGE MODELS IDENTIFY ATRIAL FIBRILLATION PROGRESSION ON UNPRECEDENTED SCALE**

Brennan, K., Feng, R., Goyal, J., Chang, H., Deb, B., Srivastava, V., Ganesan, P., Bandyopadhyay, S., Ansari, R., Ruiperez-Campilo, S., Clopton, P., De Larocheleire, H., Rogers, et al
ELSEVIER SCIENCE INC.2025: 237

- **PROMPT-ENGINEERING OPTIMIZED CHATGPT AS A GENERAL TOOL FOR ANALYZING COMPLEX ELECTRONIC HEALTH RECORDS**
Feng, R., Brennan, K., Ganesan, P., Goyal, J., Deb, B., Azizi, Z., Chang, H., Ruiperez-Campilo, S., Clopton, P., Baykaner, T., Rogers, A. J., Narayan, S. M.
ELSEVIER SCIENCE INC.2025: 120
- **Comparing Phenotypes for Acute and Long-Term Response to Atrial Fibrillation Ablation Using Machine Learning.** *Circulation. Arrhythmia and electrophysiology*
Ganesan, P., Pedron, M., Feng, R., Rogers, A. J., Deb, B., Chang, H. J., Ruiperez-Campillo, S., Srivastava, V., Brennan, K. A., Giles, W., Baykaner, T., Clopton, P., Wang, et al
2025: e012860
- **Identification of cardiac wall motion abnormalities in diverse populations by deep learning of the electrocardiogram.** *NPJ digital medicine*
Rogers, A. J., Bhatia, N. K., Bandyopadhyay, S., Tooley, J., Ansari, R., Thakkar, V., Xu, J., Soto, J. T., Tung, J. S., Alhusseini, M. I., Clopton, P., Sameni, R., Clifford, et al
2025; 8 (1): 21
- **Identification of atrial myopathy and atrial fibrillation recurrence after ablation using 3D left atrial phasic strain from retrospective gated computed tomography.** *European heart journal. Imaging methods and practice*
Sillett, C., Razeghi, O., Baptiste, T. M., Lee, A. W., Solis Lemus, J. A., Rodero, C., Roney, C. H., Feng, R., Ganesan, P., Chang, H. J., Clopton, P., Linton, N., Rajani, et al
2025; 3 (1): qyaf027
- **Engineering of Generative Artificial Intelligence and Natural Language Processing Models to Accurately Identify Arrhythmia Recurrence.** *Circulation. Arrhythmia and electrophysiology*
Feng, R., Brennan, K. A., Azizi, Z., Goyal, J., Deb, B., Chang, H. J., Ganesan, P., Clopton, P., Pedron, M., Ruiperez-Campillo, S., Desai, Y., De Larocheleire, H., Baykaner, et al
2024: e013023
- **Serum Potassium Monitoring Using AI-Enabled Smartwatch Electrocardiograms.** *JACC. Clinical electrophysiology*
Chiu, I. M., Wu, P. J., Zhang, H., Hughes, J. W., Rogers, A. J., Jalilian, L., Perez, M., Lin, C. R., Lee, C. T., Zou, J., Ouyang, D.
2024
- **Periprocedural Management and Multidisciplinary Care Pathways for Patients With Cardiac Implantable Electronic Devices: A Scientific Statement From the American Heart Association.** *Circulation*
Wan, E. Y., Rogers, A. J., Lavelle, M., Marcus, M., Stone, S. A., Ottoboni, L., Srivatsa, U., Leal, M. A., Russo, A. M., Jackson, L. R., Crossley, G. H.
2024; 150 (8): e183-e196
- **Novel Domain Knowledge-Encoding Algorithm Enables Label-Efficient Deep Learning for Cardiac CT Segmentation to Guide Atrial Fibrillation Treatment in a Pilot Dataset.** *Diagnostics (Basel, Switzerland)*
Ganesan, P., Feng, R., Deb, B., Tjong, F. V., Rogers, A. J., Ruiperez-Campillo, S., Somani, S., Clopton, P., Baykaner, T., Rodrigo, M., Zou, J., Haddad, F., Zaharia, et al
2024; 14 (14)
- **Simple models vs. deep learning in detecting low ejection fraction from the electrocardiogram.** *European heart journal. Digital health*
Hughes, J. W., Somani, S., Elias, P., Tooley, J., Rogers, A. J., Poterucha, T., Haggerty, C. M., Salerno, M., Ouyang, D., Ashley, E., Zou, J., Perez, M. V.
2024; 5 (4): 427-434
- **Competing Risks for Monomorphic versus Non-Monomorphic Ventricular Arrhythmias in Primary Prevention Implantable Cardioverter Defibrillator Recipients: Global Electrical Heterogeneity and Clinical Outcomes (GEHCO) Study.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
Tereshchenko, L. G., Waks, J. W., Tompkins, C., Rogers, A. J., Ehdaie, A., Henrikson, C. A., Dalouk, K., Raitt, M., Kewalramani, S., Kattan, M. W., Santangeli, P., Wilkoff, B. W., Kapadia, et al
2024
- **Simple models vs. deep learning in detecting low ejection fraction from the electrocardiogram** *EUROPEAN HEART JOURNAL - DIGITAL HEALTH*

Hughes, J., Somani, S., Elias, P., Tooley, J., Rogers, A. J., Poterucha, T., Haggerty, C. M., Salerno, M., Ouyang, D., Ashley, E., Zou, J., Perez, M.
2024

- **AUTOMATED, ACCURATE IDENTIFICATION OF VENTRICULAR TACHYCARDIA FROM ELECTRONIC HEALTH RECORDS USING NATURAL LANGUAGE PROCESSING**
Brennan, K., Azizi, Z., Feng, R., Goyal, J., Liu, X., Ganesan, P., Ruiperez-Campillo, S., Baykaner, T., Badhwar, N., John, R. M., Viswanathan, M., Perino, A., Wang, et al
ELSEVIER SCIENCE INC.2024: 2644
- **Just in time: detecting cardiac arrest with smartwatch technology.** *The Lancet. Digital health*
Somani, S., Rogers, A. J.
2024; 6 (3): e148-e149
- **Latent drivers for atrial fibrillation and specific patterns of localized fibrosis.** *Cardiovascular research*
Rogers, A. J., Narayan, S. M.
2024
- **Spatially Conserved Spiral Wave Activity During Human Atrial Fibrillation.** *Circulation. Arrhythmia and electrophysiology*
Rappel, W. J., Baykaner, T., Zaman, J., Ganesan, P., Rogers, A. J., Narayan, S. M.
2024: e012041
- **Race, Sex, and Age Disparities in the Performance of ECG Deep Learning Models Predicting Heart Failure.** *Circulation. Heart failure*
Kaur, D., Hughes, J. W., Rogers, A. J., Kang, G., Narayan, S. M., Ashley, E. A., Perez, M. V.
2023: e010879
- **Sleep apnea independently predicts incident atrial fibrillation in the young - Implications for targeted screening**
Deb, B., Vasireddi, S. K., Bhatia, N. K., Rogers, A. J., Clopton, P., Narayan, S. M.
OXFORD UNIV PRESS.2023
- **Predicting success of atrial fibrillation ablation: comparing machine learning approaches of intracardiac electrograms**
Feng, R., Ganesan, P., Deb, B., Ruiperez-Campillo, S., Chang, H. J., Clopton, P., Rogers, A. J., Rodrigo, M., Tjong, F. Y., Zaharia, M., Narayan, S. M.
OXFORD UNIV PRESS.2023
- **Novel scoring system for predicting mortality in patients with ventricular arrhythmias: Analysis from a 24,000 patient cohort**
Deb, B., Rogers, A. J., Tjong, F. Y., Somani, S., Desai, Y., Azizi, Z., Chang, H. J., Bhatia, N. K., Clopton, P., Narayan, S. M.
OXFORD UNIV PRESS.2023
- **Segmenting computed tomograms for cardiac ablation using machine learning leveraged by domain knowledge encoding.** *Frontiers in cardiovascular medicine*
Feng, R., Deb, B., Ganesan, P., Tjong, F. V., Rogers, A. J., Ruipérez-Campillo, S., Somani, S., Clopton, P., Baykaner, T., Rodrigo, M., Zou, J., Haddad, F., Zahari, et al
2023; 10: 1189293
- **Advances in cardiac pacing with leadless pacemakers and conduction system pacing.** *Current opinion in cardiology*
Somani, S., Rogers, A. J.
2023
- **Optimising Patient Selection for Primary Prevention ICD Implantation: Utilising Multimodal Machine Learning to Assess Risk of ICD Non-Benefit.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
Kolk, M. Z., Ruiperez-Campillo, S., Deb, B., Bekkers, E., Allaart, C. P., Rogers, A. J., Van Der Linghen, A. C., Alvarez Florez, L., Isgum, I., De Vos, B., Clopton, P., Wilde, A. A., Knops, et al
2023
- **A deep learning-based electrocardiogram risk score for long term cardiovascular death and disease.** *NPJ digital medicine*
Hughes, J. W., Tooley, J., Torres Soto, J., Ostropelets, A., Poterucha, T., Christensen, M. K., Yuan, N., Ehlert, B., Kaur, D., Kang, G., Rogers, A., Narayan, S., Elias, et al
2023; 6 (1): 169
- **Safety of transvenous cardiac defibrillator and magnetic titanium beads system for gastroesophageal reflux disease: a case report.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*

- Vasireddi, S. K., Greif, S., Fazal, M., Wei, C., Gomez, S., Shah, S., Rogers, A. J., Narayan, S. M., Wang, P. J., Kapoor, R., Baykaner, T.
2023
- **Evaluating Recommendations About Atrial Fibrillation for Patients and Clinicians Obtained From Chat-Based Artificial Intelligence Algorithms.** *Circulation. Arrhythmia and electrophysiology*
Azizi, Z., Alipour, P., Gomez, S., Broadwin, C., Islam, S., Sarraju, A., Rogers, A. J., Sandhu, A. T., Rodriguez, F.
2023: e012015
 - **Comparative arrhythmia patterns among patients on tyrosine kinase inhibitors.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Wei, C., Fazal, M., Loh, A., Kapoor, R., Gomez, S. E., Shah, S., Rogers, A. J., Narayan, S. M., Wang, P. J., Witteles, R. M., Perino, A. C., Cheng, P., Rhee, et al
2023
 - **Atrial Fibrillation Ablation Outcome Prediction with a Machine Learning Fusion Framework Incorporating Cardiac Computed Tomography.** *Journal of cardiovascular electrophysiology*
Razeghi, O., Kapoor, R., Alhusseini, M. I., Fazal, M., Tang, S., Roney, C. H., Rogers, A. J., Lee, A., Wang, P. J., Clopton, P., Rubin, D. L., Narayan, S. M., Niederer, et al
2023
 - **Quantifying a spectrum of clinical response in atrial tachyarrhythmias using spatiotemporal synchronization of electrograms.** *Europace : European pacing, arrhythmias, and cardiac electrophysiology : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysiology of the European Society of Cardiology*
Ganesan, P., Deb, B., Feng, R., Rodrigo, M., Ruiperez-Campillo, S., Rogers, A. J., Clopton, P., Wang, P. J., Zeemering, S., Schotten, U., Rappel, W., Narayan, S. M.
2023
 - **Can Machine Learning Disrupt the Prediction of Sudden Death?** *Journal of the American College of Cardiology*
Narayan, S. M., Rogers, A. J.
2023; 81 (10): 962-963
 - **VENTRICULAR TACHYCARDIA PREDICTS ATRIAL FIBRILLATION RECURRENCE POST ABLATION: A PROPENSITY SCORE-MATCHED ANALYSIS OF A LARGE PROSPECTIVE STUDY**
Azizi, Z., Deb, B., Feng, R., Ganesan, P., Rogers, A. J., Chang, H., Clopton, P., Narayan, S. M.
ELSEVIER SCIENCE INC.2023: 186
 - **OBSTRUCTIVE SLEEP APNEA PORTENDS STROKE IN YOUNG INDIVIDUALS WITHOUT ATRIAL FIBRILLATION: A LARGE REGISTRY STUDY**
Deb, B., Vasireddi, S., Bhatia, N. K., Rogers, A. J., Clopton, P., Baykaner, T., Ganesan, P., Feng, R., Azizi, Z., Narayan, S. M.
ELSEVIER SCIENCE INC.2023: 130
 - **Artificial Intelligence in cardiac electrophysiology** *Artificial Intelligence in Clinical Practice*
Somani, S., Narayan, S. M., Rogers, A. J.
Elsevier.2023
 - **Improving Cardiac Segmentation for Atrial Fibrillation Ablation: A Prospective Trial of Machine Learned Geometric Dissection vs Experts**
Feng, R., Deb, B., Ganesan, P., Tjong, F. V., Ruiperez-Campillo, S., Clopton, P. L., Rogers, A. J., Somani, S., Rodrigo, M., Zou, J., Zaharia, M., Narayan, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2022
 - **Intelligent Machine Learning Fusion Framework Predicts Atrial Fibrillation Ablation Outcomes With Demographic, Morphological, and Imaging Features**
Fazal, M., Rogers, A. J., Kapoor, R., Wang, P. J., Narayan, S. M., Razeghi, O., Baykaner, T.
LIPPINCOTT WILLIAMS & WILKINS.2022
 - **Arrhythmia Patterns in Patients Managed With and Without Tyrosine Kinase Inhibitors**
Wei, C., Fazal, M., Kapoor, R., Cheng, P., Rogers, A. J., Perino, A. C., Narayan, S. M., Rhee, J. W., Baykaner, T.
LIPPINCOTT WILLIAMS & WILKINS.2022
 - **Machine Learning to Probe Variability in Patient Outcomes After Atrial Fibrillation Ablation - The Stanford AF Registry (start)**
Deb, B., Bhatia, N., Rogers, A. J., Baykaner, T., Chang, H., Clopton, P. L., Ganesan, P., Feng, R., Ruiperez-Campillo, S., Turakhia, M., Perino, A. C., Perez, M. V., Zei, et al

LIPPINCOTT WILLIAMS & WILKINS.2022

- **Multivariate Predictors of Long-Term Outcome From Ventricular Tachycardia Ablation in a Large Registry**
Goyal, J., Deb, B., Le Menestrel, T., Chang, H., Tjong, F. V., Rogers, A. J., Azizi, Z., Ruiperez-Campillo, S., Feng, R., Ganesan, P., Baykaner, T., John, R., Perez, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Machine Learning of Action Potential Shape to Define Refractory Periods in Ischemiccardiomyopathy**
Ruiperez-Campillo, S., Deb, B., Selvalingam, A., Feng, R., Ganesan, P., Tjong, F. V., Chang, H., Kowalewski, C., Kolk, M. H., Clopton, P. L., Vasireddi, S. K., Rogers, A. J., Narayan, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Spectrum of Clinical Response in Atrial Tachyarrhythmias Identified by Spatiotemporal Synchronization of Electrograms**
Ganesan, P., Deb, B., Feng, R., Rodrigo, M., Ruiperez-Campillo, S., Rogers, A. J., Clopton, P. L., Wang, P. J., Rappel, W., Narayan, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Automatic Left Atrial Volume and Sphericity Index Calculation From Cardiac CT Using Computer Graphics Imaging and Deep Learning**
Feng, R., Deb, B., Ganesan, P., Tjong, F. V., Rogers, A. J., Ruiperez-Campillo, S., Somani, S., Rodrigo, M., Clopton, P. L., Zou, J., Zaharia, M., Narayan, S. M.
LIPPINCOTT WILLIAMS & WILKINS.2022
- **ECG-Derived Features Enable Prediction of Sudden Death in Ischemic Cardiomyopathy**
Ruiperez-Campillo, S., Deb, B., Selvalingam, A., Feng, R., Ganesan, P., Tjong, F. V., Chang, H., Kolk, M. H., Kowalewski, C., Vasireddi, S. K., Goyal, J., Rogers, A. J., Clopton, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Machine learned clusters explain heterogeneity in outcomes from map-guided ablation of Atrial Fibrillation results from the large PROspective STanford AF Registry (ProSTAR)**
Deb, B., Rogers, A. J., Bhatia, N. K., Baykaner, T., Turakhia, M., Clopton, P. L., Chang, H. J., Brodt, C., Narayan, S. M., Wang, P. J., Viswanathan, M. N.
OXFORD UNIV PRESS.2022: 474
- **Spatiotemporal signatures of response to atrial fibrillation ablation**
Ganesan, P., Rogers, A. J., Deb, B., Feng, R., Rodrigo, M., Ruiperez-Campillo, S., Tjong, F. V., Bhatia, N., Clopton, P., Rappel, W. J., Narayan, S. M.
OXFORD UNIV PRESS.2022: 601
- **Novel electrogram featurization reveals a spectrum of response to ablation from atrial tachycardia to types of atrial fibrillation**
Ganesan, P., Rogers, A. J., Deb, B., Feng, R., Ruiperez-Campillo, S., Tjong, F. V., Bhatia, N., Clopton, P., Rappel, W. J., Narayan, S. M.
OXFORD UNIV PRESS.2022: 471
- **Artificial intelligence to reduce artifact in cardiac electrophysiological signals**
Ruiperez-Campillo, S., Deb, B., Feng, R., Ganesan, P., Tjong, F. Y., Clopton, P., Rogers, A. J., Narayan, S. M.
OXFORD UNIV PRESS.2022: 422
- **Reduction of artifacts and noise in small electrogram datasets without manual annotation using transfer machine learning**
Ruiperez-Campillo, S., Deb, B., Feng, R., Ganesan, P., Tjong, F. Y., Clopton, P., Rogers, A. J., Narayan, S. M.
OXFORD UNIV PRESS.2022: 2976
- **Automatic left atrial segmentation from cardiac CT using computer graphics imaging and deep learning**
Feng, R., Deb, B., Ganesan, P., Rogers, A. J., Ruiperez-Campillo, S., Clopton, P., Tjong, F. V., Chang, H. J., Rodrigo, M., Zaharia, M., Narayan, S. M.
OXFORD UNIV PRESS.2022: 472
- **Differential Cardiac Remodeling Profile Of Immunosuppression Drugs**
Sallam, K., Thomas, D., Gaddam, S., Lopez, N., Beck, A., Dexheimer, R., Beach, L. Y., Rogers, A. J., Zhang, H., Chen, I. Y., Ameen, M., Hiesinger, W., Teuteberg, et al
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Machine Learning-Enabled Multimodal Fusion of Intra-Atrial and Body Surface Signals in Prediction of Atrial Fibrillation Ablation Outcomes. *Circulation. Arrhythmia and electrophysiology***
Tang, S., Razeghi, O., Kapoor, R., Alhusseini, M. I., Fazal, M., Rogers, A. J., Rodrigo Bort, M., Clopton, P., Wang, P., Rubin, D., Narayan, S. M., Baykaner, T.

2022: 101161CIRCEP122010850

- **Mapping Atrial Fibrillation After Surgical Therapy to Guide Endocardial Ablation.** *Circulation. Arrhythmia and electrophysiology*
Bhatia, N. K., Shah, R. L., Deb, B., Pong, T., Kapoor, R., Rogers, A., Badhwar, N., Brodt, C., Wang, P. J., Narayan, S. M., Lee, A. M.
2022: 101161CIRCEP121010502
- **Modeling Effects of Immunosuppressive Drugs on Human Hearts Using Induced Pluripotent Stem Cell-Derived Cardiac Organoids and Single-Cell RNA Sequencing.** *Circulation*
Sallam, K., Thomas, D., Gaddam, S., Lopez, N., Beck, A., Beach, L., Rogers, A. J., Zhang, H., Chen, I. Y., Ameen, M., Hiesinger, W., Teuteberg, J. J., Rhee, et al
2022; 145 (17): 1367-1369
- **Atrial fibrillation signatures on intracardiac electrograms identified by deep learning.** *Computers in biology and medicine*
Rodrigo, M., Alhusseini, M. I., Rogers, A. J., Krittanawong, C., Thakur, S., Feng, R., Ganesan, P., Narayan, S. M.
2022; 145: 105451
- **TARGETING SYNCHRONIZED ELECTROGRAM ISLANDS WITHIN ATRIAL FIBRILLATION FOR ABLATION**
Ganesan, P., Deb, B., Feng, R., Rodrigo, M., Ruiperez-Campillo, S., Bhatia, N. K., Rogers, A. J., Clopton, P., Rappel, W., Narayan, S. M.
ELSEVIER SCIENCE INC.2022: 3
- **A MORPHOLOGICAL OPERATION-BASED APPROACH TO AUTOMATICALLY SEPARATE AND LABEL LEFT ATRIUM BODY AND PULMONARY VEINS**
Feng, R., Ganesan, P., Deb, B., Rogers, A. J., Ruiperez-Campillo, S., Rodrigo, M., Zaharia, M., Clopton, P., Rappel, W., Narayan, S. M.
ELSEVIER SCIENCE INC.2022: 1244
- **UNSUPERVISED MACHINE LEARNING IDENTIFIES PHENOTYPES FOR ATRIAL FIBRILLATION THAT PREDICT ACUTE ABLATION SUCCESS**
Deb, B., Ganesan, P., Feng, R., Bhatia, N. K., Rogers, A. J., Ruiperez-Campillo, S., Clopton, P., Narayan, S. M.
ELSEVIER SCIENCE INC.2022: 51
- **Wide Complex QRS During Sotalol Administration.** *JAMA cardiology*
Rogers, A. J., Wang, P. J., Badhwar, N.
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