



Tina Baykaner

Assistant Professor of Medicine (Cardiovascular Medicine)
Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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ACADEMIC CONTACT INFORMATION

- **Administrative Associate**

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Bio

BIO

Tina Baykaner, MD, MPH is an Assistant Professor of Medicine in the Division of Cardiovascular Medicine and Cardiac Electrophysiology at Stanford University School of Medicine. She completed residency and fellowships in cardiovascular medicine and advanced heart failure at the University of California, San Diego, followed by fellowship training in cardiac electrophysiology at Stanford. She joined the Stanford faculty in 2018 and was promoted to Assistant Professor in 2023.

Dr. Baykaner's research program focuses on atrial fibrillation (AF), cardio-oncology, and the integration of artificial intelligence and machine learning into cardiac electrophysiology. She is Principal Investigator of an NIH R01 investigating atrial fibrillation in patients with hematologic malignancies treated with tyrosine kinase inhibitors and previously led an NIH K23 award focused on personalizing AF management using machine learning. She also serves as co-investigator or consultant on multiple NIH-funded R01 projects in artificial intelligence, ventricular arrhythmias, and digital cardiovascular phenotyping. Her work spans AF mechanisms, ablation outcomes, digital health implementation, and equity in arrhythmia care.

She has authored over 200 peer-reviewed publications, book chapters, and abstracts, including more than 100 original research manuscripts, and has delivered over 100 invited lectures nationally and internationally. She served as a task force member for the 2024 EHRA/HRS/APHRS/LAHR Expert Consensus Statement on Catheter and Surgical Ablation of Atrial Fibrillation and holds editorial leadership roles, including Associate Editor for the Journal of Interventional Cardiac Electrophysiology and editorial board positions with multiple electrophysiology journals.

Dr. Baykaner is Vice-Chair of the Heart Rhythm Society Digital Education Committee and serves on national program and grant review committees, including NIH/NHLBI study sections. She is actively engaged in mentorship across undergraduate, medical, graduate, and postdoctoral levels, with mentees who have received national awards and progressed to electrophysiology fellowship and faculty positions.

Her clinical practice focuses on catheter ablation of atrial and ventricular arrhythmias, supraventricular tachycardias, management of inappropriate sinus tachycardia, cardiac implantable electronic device implantation and extraction, and advanced rhythm management strategies in complex patient populations.

CLINICAL FOCUS

- Electrophysiology
- Ablation of atrial and ventricular rhythm disorders
- Cardiac implantable devices
- Extraction of cardiac implantable devices
- Treatment of inappropriate sinus tachycardia
- Clinical Cardiac Electrophysiology

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Member, Bio-X
- Member, Cardiovascular Institute

HONORS AND AWARDS

- Post-Doctoral Fellowship Grant (Mentor, Fazal), American Heart Association (2024)
- Dorothy Dee & Marjorie Helene Boring Trust Research Award (Mentor, Shah), Stanford University (2023)
- Mentored Patient-Oriented Research Career Development Award (K23), National Institutes of Health (2019)
- SFRN Fellowship Grant - Atrial Fibrillation, American Heart Association (2018)
- Cardiovascular Institute Travel Scholarship, Stanford University (2016)
- Schulman Early Career Research Award in Cardiology, UCSD (2016)
- Clinical Research Fellowship Award in Honor of Mark Josephson and Hein Wellens, Heart Rhythm Society (2015)
- Fellow in Training Travel Scholarship, American College of Cardiology (2015)
- Post-Doctoral Fellowship Grant, American Heart Association (2015)
- Schulman Early Career Research Award in Cardiology, UCSD (2015)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Vice Chair, Digital Education Committee, Heart Rhythm Society (2025 - present)
- Associate Editor, JICE (2022 - present)
- Advisory Panel, Circulation AE (2020 - present)
- Editorial Board Member, Heart Rhythm O2 (2019 - present)
- Editorial Board Member, Heart Rhythm Case Reports (2019 - present)
- Member, Communications Committee, Heart Rhythm Society (2019 - 2022)
- Editorial board member, JICE (2017 - 2020)
- Section Editor, JACC EP (2017 - 2020)
- Member, NCDR task force on ICD Research & Publications Committee, American College of Cardiology (2017 - 2018)
- Member, Organizing Committee for Cardiovascular Institute Annual Postdoctoral Research Symposium, Stanford University (2016 - 2018)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Cardiac Electrophysiology, American Board of Internal Medicine (2019)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2017)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2012)
- Electrophysiology Fellowship, Stanford University (2018)
- Cardiology Fellowship, University of California San Diego (2016)
- Heart Failure Fellowship, University of California San Diego (2013)
- Medicine Residency, University of California San Diego (2012)
- Internship, Jacobi Medical Center, AECOM (2010)
- MPH, University of Massachusetts (2014)
- MD, Hacettepe Universitesi (2007)

Research & Scholarship

CLINICAL TRIALS

- Librexia-AF, Not Recruiting
- TactiFlex Paroxysmal Atrial Fibrillation IDE Trial, Not Recruiting

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- **Accuracy of Implantable Loop Recorders: Multicenter, Multidevice Comparison.** *JACC. Clinical electrophysiology*
Kamsani, S. H., Middeldorp, M. E., Evans, S., Russo, A. M., Jayakumar, M., Deering, T. F., Shahmohamadi, E., Baykaner, T., Fitzgerald, J. L., Gopinathannair, R., Abbas, M., Varma, N., Freeman, et al
2026
- **Artificial Intelligence in Atrial Fibrillation - Timely Diagnosis, Risk Assessment and Personalized Management.** *Indian pacing and electrophysiology journal*
Chatterjee, K., Verma, A., Godinez, E., Gonzalez, D. J., Devathu, R., Alhuseini, M. I., Fazal, M., Baykaner, T.
2026
- **Artificial Intelligence-driven Detection, Mapping, and Personalized Therapy for Atrial Fibrillation.** *The Journal of innovations in cardiac rhythm management*
Gonzalez, D. J., Kambampati, S., Godinez, E., Paranjpe, I., Chatterjee, K., Devathu, R., Verma, A., Sun, E., Ma, C., Fazal, M., Baykaner, T.
2026; 17 (1): 6578-6590
- **Treatment Options, Regulatory Pathways and Global Patterns of Use for Cardiac Implantable Devices in Patients With Titanium Allergy.** *Journal of cardiovascular electrophysiology*
Devathu, R., Chatterjee, K., Godinez, E., Kambampati, S., Gonzalez, D. J., Kim, M. H., Li, J., Paranjpe, I., Fazal, M., Brucker, R., Baykaner, T.
2025
- **Managing atrial fibrillation-mediated cardiomyopathy: the causality-consequence conundrum.** *European heart journal*
Baykaner, T., Butler, J.
2025

- **Transformer-based ECG beat foundation model reconstructs full 12-Lead morphology, vectorcardiogram and predicts peak heart rate in stress ECG**
Bandyopadhyay, S., Liu, X., Ganesan, P., Somani, S., Karius, A., Baykaner, T., Wang, P., Ashley, E., Perez, M., Narayan, S., Rogers, A.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Abstract 4367773: Predicting Peak Heart Rate from Resting 12-Lead ECGs in Patients Undergoing Stress Testing using Deep Learning**
Liu, X., Bandyopadhyay, S., Ganesan, P., Somani, S., Brennan, K., Karius, A., Baykaner, T., Perino, A., Wang, P., Ashley, E., Perez, M., Narayan, S., Rogers, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Automated End-to-End Framework for Extracting Raw ECG Waveforms and ST Segment Values from ECG Reports and Predicting ST Elevation by Machine Learning**
Ganesan, P., Liu, X., Bandyopadhyay, S., Ansari, R., Somani, S., Brennan, K., Karius, A., Baykaner, T., Perino, A., Wang, P., Ashley, E., Perez, M., Narayan, et al
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Non-Contact Magnetocardiography Localizes Atrial Foci as Accurately as High-Resolution Contact ECG**
Brennan, K., Bandyopadhyay, S., Ganesan, P., Ansari, R., Somani, S., Liu, X., Baykaner, T., Perino, A., Wang, P., Narayan, S., Rogers, A.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Four devices, one solution: gold-coated cardiac resynchronization therapy with a defibrillator in a patient with titanium hypersensitivity.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Devathu, R., Chatterjee, K., Godinez, E., Kambampati, S., Gonzalez, D. J., Kim, M. H., Verma, A., Wei, C., Fazal, M., Bowers, M., Baykaner, T.
2025
- **Dual Epicardial and Endocardial Procedure (DEEP) for Persistent or Longstanding Persistent Atrial Fibrillation.** *Circulation. Arrhythmia and electrophysiology*
Ellenbogen, K. A., Khojenezhad, A., La Meir, M., de Asmundis, C., Koneru, J., Johnkoski, J., Rist, K., Mumtaz, M., Link, M. G., de Groot, J. R., Driessen, A. H., Lee, M. Y., Hoff, et al
2025: e013692
- **Rationale and Design of the Comparative Effectiveness of ICD Versus Non-ICD Therapy in Contemporary Heart Failure Patients at a Low Risk for Arrhythmic Death (CONTEMP-ICD) trial.** *American heart journal*
Goldenberg, I., Zareba, W., Ezekowitz, J. A., Albert, C., Alexis, J. D., Anderson, L., Behr, E. R., Daubert, J., Di Palo, K. E., Ellenbogen, K. A., Dzikowicz, D. J., Harrington, J. M., Hsich, et al
2025
- **A call to action for an innovative and integrative approach to persistent atrial fibrillation: Perspectives from the Heart Rhythm Society Emerging Leaders Think Tank.** *Heart rhythm*
Cheung, C. C., Chyou, J. Y., Baykaner, T., Elshazly, M., Hyman, M., Lambrakos, L., Lobban, T., Mehta, N., Michaud, G., Navara, R., Raghav, A., Romero, J. E., Sanghai, et al
2025
- **Variability in Implantable Cardioverter-Defibrillator Battery Longevity.** *Heart rhythm*
Freeman, J. V., Torre, M., Sanders, P., Varma, N., Baykaner, T., Deering, T., Russo, A. M., Zhang, Y., Steinberg, B. A.
2025
- **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
- **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
- **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

- **Post-cardiac surgery atrial fibrillation and sex differences in clinical outcomes: a systematic review and meta-analysis.** *European heart journal open*
Michael, F., Quevillon, T., Betteridge-LeBlanc, S., Alzahrani, M., Shehata, R., Jackevicius, C. A., Atoui, R., Bittira, B., Baykaner, T., Harvey, P., Parkash, R., Healey, J. S., Ko, et al
2025; 5 (2): oeaf033
- **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
- **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 Larocheilière, H., Baykaner, et al
2024: e013023
- **2024 European Heart Rhythm Association/Heart Rhythm Society/Asia Pacific Heart Rhythm Society/Latin American Heart Rhythm Society expert consensus statement on catheter and surgical ablation of atrial fibrillation.** *Journal of arrhythmia*
Tzeis, S., Gerstenfeld, E. P., Kalman, J., Saad, E. B., Sepehri Shamloo, A., Andrade, J. G., Barbhaiya, C. R., Baykaner, T., Boveda, S., Calkins, H., Chan, N. Y., Chen, M., Chen, et al
2024; 40 (6): 1217-1354
- **Use of artificial intelligence algorithms to reduce transmissions in implantable loop recorders.** *Heart rhythm*
Middeldorp, M. E., Thomas, G., Kamsani, S. H., Harper, C., Baykaner, T., Gopinathannair, R., Freeman, J. V., Russo, A. M., Deering, T. F., Sanders, P.
2024
- **2024 European Heart Rhythm Association/Heart Rhythm Society/Asia Pacific Heart Rhythm Society/Latin American Heart Rhythm Society expert consensus statement on catheter and surgical ablation of atrial fibrillation** *JOURNAL OF ARRHYTHMIA*
Tzeis, S., Gerstenfeld, E. P., Kalman, J., Saad, E. B., Sepehri Shamloo, A., Andrade, J. G., Barbhaiya, C. R., Baykaner, T., Boveda, S., Calkins, H., Chan, N., Chen, M., Chen, et al
2024
- **Implementing AI in clinical practice: Practical insights on integrating AI through digital dashboards and beyond.** *Heart rhythm*
Baykaner, T., Noseworthy, P. A., Wan, E. Y.
2024
- **Apixaban versus Rivaroxaban in Patients with Atrial Fibrillation at High or Low Bleeding Risk: A Population-Based Cohort Study.** *Heart rhythm*
Shurrab, M., Austin, P. C., Jackevicius, C. A., Tu, K., Qiu, F., Haldenby, O., Davies, S., Lopes, R. D., Baykaner, T., Johnson, L. S., Healey, J. S., Ko, D. T.
2024
- **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)
- **Navigating the Ebb and Flow of Atrial Fibrillation.** *JACC. Clinical electrophysiology*
Ma, C., Narayan, S. M., Baykaner, T.
2024
- **Women Trainees in Electrophysiology and the Effect of Role Models.** *Circulation. Arrhythmia and electrophysiology*
Baykaner, T., Greif, S., Vajapey, R. S., Albert, C. M., Aziz, Z., Badhwar, N., Bunch, T. J., Cheung, J. W., Chrispin, J., Chung, M. K., Clopton, P., Cooper, D. H., Cooper, et al
2024: e012577

- **2024 European Heart Rhythm Association/Heart Rhythm Society/Asia Pacific Heart Rhythm Society/Latin American Heart Rhythm Society expert consensus statement on catheter and surgical ablation of atrial fibrillation.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Tzeis, S., Gerstenfeld, E. P., Kalman, J., Saad, E., Shamloo, A. S., Andrade, J. G., Barbhaiya, C. R., Baykaner, T., Boveda, S., Calkins, H., Chan, N. Y., Chen, M., Chen, et al
2024
- **European Heart Rhythm Association (EHRA)/Heart Rhythm Society (HRS)/Asia Pacific Heart Rhythm Society (APHRS)/Latin American Heart Rhythm Society (LAHRS) expert consensus statement on catheter and surgical ablation of atrial fibrillation.** *Heart rhythm*
Tzeis, S., Gerstenfeld, E. P., Kalman, J., Saad, E., Shamloo, A. S., Andrade, J. G., Barbhaiya, C. R., Baykaner, T., Boveda, S., Calkins, H., Chan, N. Y., Chen, M., Chen, et al
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
- **2024 European Heart Rhythm Association/Heart Rhythm Society/Asia Pacific Heart Rhythm Society/Latin American Heart Rhythm Society expert consensus statement on catheter and surgical ablation of atrial fibrillation.** *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*
Tzeis, S., Gerstenfeld, E. P., Kalman, J., Saad, E. B., Sepehri Shamloo, A., Andrade, J. G., Barbhaiya, C. R., Baykaner, T., Boveda, S., Calkins, H., Chan, N. Y., Chen, M., Chen, et al
2024; 26 (4)
- **Cardioneuroablation for the management of patients with recurrent vasovagal syncope and symptomatic bradyarrhythmias: the CNA-FWRD Registry.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Aksu, T., Tung, R., De Potter, T., Markman, T. M., Santangeli, P., du Fay de Lavallaz, J., Winterfield, J. R., Baykaner, T., Alyesh, D., Joza, J. E., Gopinathannair, R., Badertscher, P., Do, et al
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
- **Pulmonary vein activity: a step towards personalizing atrial fibrillation ablation.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Del Monte, A., Baykaner, T.
2024
- **Mapping Atrial Fibrillation to Improve Ablation Outcomes.** *JAMA network open*
Baykaner, T., Narayan, S. M.
2023; 6 (11): e2344481
- **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
- **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
- **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

- **Design and development of a digital shared decision-making tool for stroke prevention in atrial fibrillation.** *JAMIA open*
Nunes, J. C., Baykaner, T., Pundi, K., DeSutter, K., True Hills, M., Mahaffey, K. W., Sears, S. F., Morin, D. P., Lin, B., Wang, P. J., Stafford, R. S.
2023; 6 (1): ooad003
- **Atrial Fibrillation Ablation Outcome Prediction with a Machine Learning Fusion Framework Incorporating Cardiac Computed Tomography.** *Journal of cardiovascular electrophysiology*
Razeghi, O., Kapoor, R., Alhuseini, 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
- **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
- **Modeling Multivariate Biosignals With Graph Neural Networks and Structured State Space Models**
Tang, S., Dunnmon, J. A., Qu, L., Saab, K. K., Baykaner, T., Lee-Messer, C., Rubin, D. L.
edited by Sarker, T., Beam, A., Mortazavi, B. J., Ho, J. C.
JMLR-JOURNAL MACHINE LEARNING RESEARCH.2023: 50-+
- **Leadless Pacing after Transvenous Lead Extraction: Are we out of the Woods?** *Heart rhythm*
Baykaner, T., John, R. M.
2022
- **Contemporary Trends in Cardiac Electrophysiology Procedures in the United States, and Impact of a Global Pandemic.** *Heart rhythm O2*
Scott, M., Baykaner, T., Bunch, T. J., Piccini, J. P., Russo, A. M., Tzou, W. S., Zeitler, E. P., Steinberg, B. A.
2022
- **Clinical Trial to Evaluate an Atrial Fibrillation Stroke Prevention Shared DecisionMaking Pathway**
Wang, P. J., Lu, Y., Mahaffey, K. W., Lin, A., Morin, D. P., Sears, S. F., Chung, M. K., Russo, A. M., Lin, B., Piccini, J. P., Hills, M. T., Berube, C., Pundi, et al
LIPPINCOTT WILLIAMS & WILKINS.2022: E582-E583
- **Patient Education Strategies to Improve Risk of Stroke in Patients with Atrial Fibrillation** *CURRENT CARDIOVASCULAR RISK REPORTS*
Nunes, J. C., Shah, S., Fazal, M., Gomez, S., Wei, C., Wang, P. J., Stafford, R. S., Baykaner, T.
2022; 16 (12): 249-258
- **Tyrosine kinase inhibitor-associated ventricular arrhythmias: a case series and review of literature.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Fazal, M., Wei, C., Chuy, K. L., Hussain, K., Gomez, S. E., Ba, S. S., Pietrasik, G., Yadav, N., Ghazizadeh, Z., Kapoor, R., Witteles, R. M., Blackmon, A., Wang, et al
2022
- **A Randomized Clinical Trial to Evaluate an Atrial Fibrillation Stroke Prevention Shared Decision-Making Pathway.** *Journal of the American Heart Association*
Wang, P. J., Lu, Y., Mahaffey, K. W., Lin, A., Morin, D. P., Sears, S. F., Chung, M. K., Russo, A. M., Lin, B., Piccini, J., Hills, M. T., Berube, C., Pundi, et al
2022: e8009
- **Racial, ethnic, and sex disparities in atrial fibrillation management: rate and rhythm control.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*
Gomez, S. E., Fazal, M., Nunes, J. C., Shah, S., Perino, A. C., Narayan, S. M., Tamirisa, K. P., Han, J. K., Rodriguez, F., Baykaner, T.
2022
- **Machine Learning of Adipose Tissue in Atrial Fibrillation.** *Heart rhythm*
Baykaner, T., Narayan, S.
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., Alhousseini, M. I., Fazal, M., Rogers, A. J., Rodrigo Bort, M., Clopton, P., Wang, P., Rubin, D., Narayan, S. M., Baykaner, T.
2022: 101161CIRCEP122010850
- **The Esophagus Going Steady.** *Journal of cardiovascular electrophysiology*
Baykaner, T., Nguyen, D. T.
2022
 - **Taking the "Pulse" of Pulsed Field Ablation: Real-World Experience.** *Journal of cardiovascular electrophysiology*
Baykaner, T., Fazal, M., Verma, A.
1800
 - **Artificial intelligence applications in cardio-oncology: Leveraging high dimensional cardiovascular data.** *Frontiers in cardiovascular medicine*
Chen, H., Ouyang, D., Baykaner, T., Jamal, F., Cheng, P., Rhee, J.
2022; 9: 941148
 - **Stochastic termination of spiral wave dynamics in cardiac tissue.** *Frontiers in network physiology*
Rappel, W., Krummen, D. E., Baykaner, T., Zaman, J., Donsky, A., Swarup, V., Miller, J. M., Narayan, S. M.
2022; 2
 - **The ENHANCE-AF Clinical Trial to Evaluate an Atrial Fibrillation Shared Decision-Making Pathway: Rationale and Study Design.** *American heart journal*
Baykaner, T., Pundi, K., Lin, B., Lu, Y., DeSutter, K., Lhamo, K., Garay, G., Nunes, J. C., Morin, D. P., Sears, S. F., Chung, M. K., Paasche-Orlow, M. K., Sanders, et al
2022
 - **Shared Decision-Making in Cardiac Electrophysiology Procedures and Arrhythmia Management.** *Circulation. Arrhythmia and electrophysiology*
Chung, M. K., Fagerlin, A., Wang, P. J., Ajayi, T. B., Allen, L. A., Baykaner, T., Benjamin, E. J., Branda, M., Cavanaugh, K. L., Chen, L. Y., Crossley, G. H., Delaney, R. K., Eckhardt, et al
2021: CIRCEP121007958
 - **Virtual Transformation and the Use of Social Media: Cardiac Electrophysiology Education in the Post-COVID-19 Era** *CURRENT TREATMENT OPTIONS IN CARDIOVASCULAR MEDICINE*
Han, J. K., Baykaner, T., DeSimone, C., Etheridge, S. P., Futyma, P., Saha, S. A., Stiles, M. K., Gopinathannair, R., Kabra, R., Merchant, F. M.
2021; 23 (11): 70
 - **Ibrutinib-associated atrial fibrillation treatment with catheter ablation.** *HeartRhythm case reports*
Kapoor, R., Fazal, M., Cheng, P., Witteles, R., Rhee, J., Baykaner, T.
2021; 7 (11): 713-716
 - **Is There Rule to the Chaos: Defining Stable Patterns in Atrial Fibrillation.** *Journal of cardiovascular electrophysiology*
Baykaner, T., Fazal, M., Patel, S., Zaman, J.
2021
 - **IDENTIFICATION OF AREAS OF ORGANIZED 1:1 ACTIVITY IN ATRIAL FIBRILLATION IN PATIENTS POST MAZE SURGERY**
Bhatia, N. K., Shah, R., Ganesan, P., Rogers, A., Pong, T., Purewal, S., Baykaner, T., Wang, P., Lee, A., Rappel, W., Narayan, S.
ELSEVIER SCIENCE INC.2021: 333
 - **NON-INVASIVE TRACKING OF ATRIAL FIBRILLATION PREDICTS ACUTE TERMINATION BY ABLATION**
Rodrigo, M., Baykaner, T., Rappel, W., Narayan, S.
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