




Marco Perez

Associate Professor of Medicine (Cardiovascular Medicine)
Medicine - Cardiovascular Medicine

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Electrophysiology Clinic**

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Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Martha Segaula Avamolifua - Administrative Associate II

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Tel 650-724-1850

Bio

BIO

Dr. Marco Perez's research goal is to better understand the fundamental causes of cardiovascular disease through the study of genetics and epidemiology. His group studies the genetic variations and environmental exposures that are associated with conditions such as atrial fibrillation and heart failure. He has led the studies of atrial fibrillation in Women's Health Initiative, one of the largest nation-wide population-based cohorts. He is currently conducting a large study monitoring for silent or asymptomatic atrial fibrillation in women from the WHI randomized to exercise intervention, and was co-PI of the Apple Heart Study, a clinical trial that validated the ability of a smartwatch to detect atrial fibrillation. He is now PI of the Clinical Coordinating Center at Stanford for the REACT-AF which is a clinical trial to evaluate efficacy and safety of a "pill-in-the pocket" approach to anticoagulation for AF using a smartwatch. He is interested in understanding the paradox that atrial fibrillation is less common in African Americans and Hispanics, despite a greater burden of risk factors such as hypertension. As director of the Stanford Inherited Arrhythmia Clinic, he evaluates families with rare inherited arrhythmias associated with sudden death such as Long QT and Brugada Syndromes and explores their links with novel genes. He also studies the genetic causes of very early onset atrial fibrillation. He also studies how best to use the electrocardiogram and imaging modalities using Machine Learning techniques to identify patients at risk for cardiovascular disease. Dr. Perez receives funding from the NIH/NHLBI, Apple Inc., Janssen and the Colson Foundation.

CLINICAL FOCUS

- Atrial Fibrillation
- Arrhythmias, Cardiac
- Channelopathies (Long QT, Brugada, CPVT)
- Clinical Cardiac Electrophysiology
- Inherited Cardiomyopathies (HCM, ARVD, LVNC)

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute

- Member, Wu Tsai Human Performance Alliance

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Cardiac Electrophysiology Laboratory, (2017- present)
- Director, Stanford Inherited Cardiac Arrhythmia Clinic, (2013- present)

HONORS AND AWARDS

- National Research Service Award, NIH (2006-2008)
- R01 Research Project Grant (1R01HL136390-01), NIH/NHLBI (2017-2022)
- Dean's Fellow Research Award, Stanford University (2006-2008)
- Loan Repayment Program Award, NIH (2010-2014)
- Fellow to Faculty Award, American Heart Association (2011-2016)
- Harold Amos Faculty Development Award, Robert Wood Johnson Foundation (2012-2016)
- Finalist, FGTB Young Investigator Award, American Heart Association (2013)
- Department of Medicine Teaching Award, Stanford University (2014)
- SPARK Award, Stanford University (2014-2015)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, AHA Research Committee (2014 - present)
- Medical Director, Racing Hearts Community AED Program (2014 - present)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Cardiac Electrophysiology, American Board of Internal Medicine (2024)
- Fellowship: Stanford University School of Medicine (2007) CA
- Fellowship: Stanford University Medical Center (2010) CA
- Residency: Massachusetts General Hospital (2004) MA
- Internship: Massachusetts General Hospital (2002) MA
- Medical Education: Harvard University Health Services (2001) MA
- Fellowship, Stanford , Electrophysiology (2010)
- Fellowship, Stanford , Cardiology (2007)
- Residency, Massachusetts General Hospital , Internal Medicine (2004)

LINKS

- Cardiovascular Medicine: <http://cvmedicine.stanford.edu/people/perez.html>
- Center for Inherited Cardiovascular Diseases: <http://familyheart.stanford.edu/>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CLINICAL TRIALS

- Apple Heart Study: Assessment of Wristwatch-Based Photoplethysmography to Identify Cardiac Arrhythmias, Not Recruiting
- Attain Performa(TM) Quadripolar Lead Study, Not Recruiting
- Evaluation of the Use of Apple Watch Features for Identification of Cardiac Arrhythmias, Not Recruiting

- Women's Health Initiative Silent Atrial Fibrillation Recording Study, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Olu Akinrimisi, Sofia Gomez

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- **2023 ACC/AHA/ACCP/HRS Guideline for the Diagnosis and Management of Atrial Fibrillation: A Report of the American College of Cardiology/American Heart Association Joint Committee on Clinical Practice Guidelines** *CIRCULATION*
Joglar, J. A., Chung, M. K., Armbruster, A. L., Benjamin, E. J., Chyou, J. Y., Cronin, E. M., Deswal, A., Eckhardt, L. L., Goldberger, Z. D., Gopinathannair, R., Gorenek, B., Hess, P. L., Hlatky, et al
2024; 149 (1): e1-e156
- **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
- **Broad Genetic Testing in a Clinical Setting Uncovers a High Prevalence of Titin Loss-of-Function Variants in Very Early-Onset Atrial Fibrillation.** *Circulation. Genomic and precision medicine*
Goodyer, W. R., Dunn, K., Caleshu, C., Jackson, M., Wylie, J., Moscarello, T., Platt, J., Reuter, C., Smith, A., Trela, A., Ceresnak, S. R., Motonaga, K. S., Ashley, et al
2019
- **Large-Scale Assessment of a Smartwatch to Identify Atrial Fibrillation.** *The New England journal of medicine*
Perez, M. V., Mahaffey, K. W., Hedlin, H., Rumsfeld, J. S., Garcia, A., Ferris, T., Balasubramanian, V., Russo, A. M., Rajmane, A., Cheung, L., Hung, G., Lee, J., Kowey, et al
2019; 381 (20): 1909–17
- **Lean body mass and risk of incident atrial fibrillation in post-menopausal women** *EUROPEAN HEART JOURNAL*
Azarbal, F., Stefanick, M. L., Assimes, T. L., Manson, J. E., Bea, J. W., Li, W., Hlatky, M. A., Larson, J. C., LeBlanc, E. S., Albert, C. M., Nassir, R., Martin, L. W., Perez, et al
2016; 37 (20): 1606-1613
- **Systems Genomics Identifies a Key Role for Hypocretin/Orexin Receptor-2 in Human Heart Failure** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Perez, M. V., Pavlovic, A., Shang, C., Wheeler, M. T., Miller, C. L., Liu, J., Dewey, F. E., Pan, S., Thanaporn, P. K., Absher, D., Brandimarto, J., Salisbury, H., Chan, et al
2015; 66 (22): 2522-2533
- **Characteristics of Contemporary Atrial Fibrillation Clinical Trials and Their Association With Industry Sponsorship.** *Heart rhythm*
Lan, R. H., Paranjpe, I., Saeed, M., Perez, M. V.
2024
- **Expedited Loading with Intravenous Sotalol is Safe and Feasible - Primary Results of the Prospective Evaluation Analysis and Kinetics of IV Sotalol (PEAKS) Registry.** *Heart rhythm*
Steinberg, B. A., Holubkov, R., Deering, T., Groh, C. A., Mittal, S., Kennedy, R., Pokharel, P., Perez, M., Savona, S., Verma, N., Watt, K., Piccini, J. P., Bunch, et al
2024

- **Prevalence of frequent premature ventricular contractions and nonsustained ventricular tachycardia in older women screened for atrial fibrillation in the Women's Health Initiative.** *Heart rhythm*
Gomez, S. E., Larson, J., Hlatky, M. A., Rodriguez, F., Wheeler, M., Greenland, P., LaMonte, M., Froelicher, V., Stefanick, M. L., Wallace, R., Kooperberg, C., Tinker, L. F., Schoenberg, et al
2024
- **Arrhythmias including Atrial Fibrillation and Congenital Heart Disease in Kleeftstra Syndrome: a possible epigenetic link.** *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*
Vasireddi, S. K., Draksler, T. Z., Bouman, A., Kummeling, J., Wheeler, M., Reuter, C., Srivastava, S., Harris, J., Fisher, P. G., Narayan, S. M., Wang, P. J., Badhwar, N., Kleeftstra, et al
2024
- **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
- **Clinical Management of Brugada Syndrome: Commentary From the Experts.** *Circulation. Arrhythmia and electrophysiology*
Cutler, M. J., Eckhardt, L. L., Kaufman, E. S., Arbelo, E., Behr, E. R., Brugada, P., Cerrone, M., Crotti, L., DeAsmundis, C., Gollob, M. H., Horie, M., Huang, D. T., Krahn, et al
2023: e012072
- **Utility of smart watches for identifying arrhythmias in children.** *Communications medicine*
Zahedivash, A., Chubb, H., Giacone, H., Boramanand, N. K., Dubin, A. M., Trela, A., Lencioni, E., Motonaga, K. S., Goodyer, W., Navarre, B., Ravi, V., Schmiedmayer, P., Bikia, et al
2023; 3 (1): 167
- **Electrocardiographic deep learning for predicting post-procedural mortality: a model development and validation study.** *The Lancet. Digital health*
Ouyang, D., Theurer, J., Stein, N. R., Hughes, J. W., Elias, P., He, B., Yuan, N., Duffy, G., Sandhu, R. K., Ebinger, J., Botting, P., Jujjavarapu, M., Claggett, et al
2023
- **Improved Cardiac Performance and Decreased Arrhythmia in Hypertrophic Cardiomyopathy With Non- β -Blocking R-Enantiomer Carvedilol.** *Circulation*
Seo, K., Yamamoto, Y., Kirillova, A., Kawana, M., Yadav, S., Huang, Y., Wang, Q., Lane, K. V., Pruitt, B. L., Perez, M. V., Bernstein, D., Wu, J. C., Wheeler, et al
2023
- **Association Between Insomnia, Stress Events, and Other Psychosocial Factors and Incident Atrial Fibrillation in Postmenopausal Women: Insights From the Women's Health Initiative.** *Journal of the American Heart Association*
Zhao, S. X., Tindle, H. A., Larson, J. C., Woods, N. F., Crawford, M. H., Hoover, V., Salmoirago-Blotcher, E., Shadyab, A. H., Stefanick, M. L., Perez, M. V.
2023: e030030
- **From Founder to Function: can we unravel phenotype from genotype?** *Heart rhythm*
Weldy, C. S., Perez, M. V.
2023
- **The evolving role of data & safety monitoring boards for real-world clinical trials.** *Journal of clinical and translational science*
Bunning, B. J., Hedlin, H., Chen, J. H., Ciolino, J. D., Ferstad, J. O., Fox, E., Garcia, A., Go, A., Johari, R., Lee, J., Maahs, D. M., Mahaffey, K. W., Opsahl-Ong, et al
2023; 7 (1): e179
- **Expanding the stdpopsim species catalog, and lessons learned for realistic genome simulations.** *eLife*
Lauterbur, M. E., Cavassim, M. I., Gladstein, A. L., Gower, G., Pope, N. S., Tsambos, G., Adrion, J., Belsare, S., Biddanda, A., Caudill, V., Cury, J., Echevarria, I., Haller, et al
2023; 12
- **Vigorous Exercise in Patients With Hypertrophic Cardiomyopathy.** *JAMA cardiology*
Lampert, R., Ackerman, M. J., Marino, B. S., Burg, M., Ainsworth, B., Salberg, L., Tome Esteban, M. T., Ho, C. Y., Abraham, R., Balaji, S., Barth, C., Berul, C. I., Bos, et al

2023

- **Generation of two induced pluripotent stem cell lines from catecholaminergic polymorphic ventricular tachycardia patients carrying RYR2 mutations.** *Stem cell research*
Kong, X., Belbachir, N., Zeng, W., Yan, C. D., Navada, S., Perez, M. V., Wu, J. C.
2023; 69: 103111
- **Arrhythmogenic Cardiomyopathy and Athletes - A Dangerous Relationship.** *Current problems in cardiology*
de la Guía-Galipienso, F., Ugedo-Alzaga, K., Grazioli, G., Quesada-Ocete, F. J., Feliu-Rey, E., Perez, M. V., Quesada-Dorador, A., Sanchis-Gomar, F.
2023: 101799
- **Using wearables to manage atrial fibrillation: Pushing the boundaries with consumer devices.** *Journal of cardiovascular electrophysiology*
Perez, M. V.
2023
- **Maladaptive versus adaptative cardiovascular phenotype in response to exercise training: Expert opinion of the evidence** *HEART AND MIND*
Sanchis-Gomar, F., Perez-Quilis, C., Eijvogels, T. M. H., Guia-Galipienso, F., Christle, J. W., Perez, M. V., Lavie, C. J.
2023; 7 (2): 57-61
- **Evaluation of the Association Between Circulating IL-1 β and Other Inflammatory Cytokines and Incident Atrial Fibrillation in a Cohort of Postmenopausal Women.** *American heart journal*
Gomez, S. E., Parizo, J., Ermakov, S., Larson, J., Wallace, R., Assimes, T., Hlatky, M., Stefanick, M., Perez, M. V.
2023
- **Development and validation of a rapid visual technique for left ventricular hypertrophy detection from the electrocardiogram.** *Frontiers in cardiovascular medicine*
Somani, S., Hughes, J. W., Ashley, E. A., Witteles, R. M., Perez, M. V.
2023; 10: 1251511
- **Serial 7-Day Electrocardiogram Patch Screening for AF in High-Risk Older Women by the CHARGE-AF Score.** *JACC. Clinical electrophysiology*
Lin, J. Y., Larson, J., Schoenberg, J., Sepulveda, A., Tinker, L., Wheeler, M., Albert, C., Manson, J. E., Wells, G., Martin, L. W., Froelicher, V., LaMonte, M., Kooperberg, et al
2022; 8 (12): 1523-1534
- **The development of a mobile app-focused deduplication strategy for the Apple Heart Study that informs recommendations for future digital trials.** *Stat (International Statistical Institute)*
Garcia, A., Lee, J., Balasubramanian, V., Gardner, R., Gummidipundi, S. E., Hung, G., Ferris, T., Cheung, L., Desai, S., Granger, C. B., Hills, M. T., Kowey, P., Nag, et al
2022; 11 (1): e470
- **Consumer-Led Screening for Atrial Fibrillation: Frontier Review of the AF-SCREEN International Collaboration.** *Circulation*
Brandes, A., Stavrakis, S., Freedman, B., Antoniou, S., Boriani, G., Camm, A. J., Chow, C. K., Ding, E., Engdahl, J., Gibson, M. M., Golovchiner, G., Glotzer, T., Guo, et al
2022; 146 (19): 1461-1474
- **Premature ventricular contractions (PVCs) in young athletes.** *Progress in cardiovascular diseases*
Gomez, S. E., Hwang, C. E., Kim, D. S., Froelicher, V. F., Wheeler, M. T., Perez, M. V.
2022
- **Multimodal deep learning enhances diagnostic precision in left ventricular hypertrophy.** *European heart journal. Digital health*
Soto, J. T., Weston Hughes, J., Sanchez, P. A., Perez, M., Ouyang, D., Ashley, E. A.
2022; 3 (3): 380-389
- **Deep Learning Electrocardiographic Analysis for Detection of Left-Sided Valvular Heart Disease.** *Journal of the American College of Cardiology*
Elias, P., Poterucha, T. J., Rajaram, V., Moller, L. M., Rodriguez, V., Bhave, S., Hahn, R. T., Tison, G., Abreau, S. A., Barrios, J., Torres, J. N., Hughes, J. W., Perez, et al
2022; 80 (6): 613-626

- **Contributions of the Women's Health Initiative to Cardiovascular Research: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*
LaMonte, M. J., Manson, J. E., Anderson, G. L., Baker, L. D., Bea, J. W., Eaton, C. B., Follis, S., Hayden, K. M., Kooperberg, C., LaCroix, A. Z., Limacher, M. C., Neuhauser, M. L., Odegaard, et al
2022; 80 (3): 256-275
- **Lessons learned in the Apple Heart Study and implications for the data management of future digital clinical trials.** *Journal of biopharmaceutical statistics*
Garcia, A., Balasubramanian, V., Lee, J., Gardner, R., Gummidipundi, S., Hung, G., Ferris, T., Cheung, L., Granger, C., Kowey, P., Rumsfeld, J., Russo, A., Hills, et al
2022: 1-15
- **Getting Smart About Wearable ECG Interpretation in the Clinic.** *JACC. Clinical electrophysiology*
Perez, M. V.
2022; 8 (6): 792-794
- **Sedentary Behavior and Atrial Fibrillation in Older Women: The OPACH Study.** *Journal of the American Heart Association*
Boursiquot, B. C., Bellettiere, J., LaMonte, M. J., LaCroix, A. Z., Perez, M. V.
2022: e023833
- **Generation of two induced pluripotent stem cell lines from Brugada syndrome affected patients carrying SCN5A mutations.** *Stem cell research*
Belbachir, N., Lai, C., Rhee, J., Zhuge, Y., Perez, M. V., Sallam, K., Wu, J. C.
2021; 57: 102605
- **Disruption of Protein Quality Control of Human Ether-a-go-go Related Gene K⁺ Channel Results in Profound Long QT Syndrome.** *Heart rhythm*
Ledford, H. A., Ren, L., Thai, P. N., Park, S., Timofeyev, V., Sirish, P., Xu, W., Emigh, A. M., Priest, J. R., Perez, M. V., Ashley, E. A., Yarov-Yarovoy, V., Yamoah, et al
2021
- **Epigenetic Age and the Risk of Incident Atrial Fibrillation.** *Circulation*
Roberts, J. D., Vittinghoff, E., Lu, A. T., Alonso, A., Wang, B., Sitali, C. M., Mohammadi-Shemirani, P., Fornage, M., Kornej, J., Brody, J. A., Arking, D. E., Lin, H., Heckbert, et al
2021
- **Exercise Effects On Cardiovascular Disease: From Basic Aspects To Clinical Evidence.** *Cardiovascular research*
Sanchis-Gomar, F., Lavie, C. J., Marin, J., Perez-Quilis, C., Eijsvogels, T. M., O'Keefe, J. H., Perez, M. V., Blair, S. N.
2021
- **Long-Term Exposures to Air Pollution and the Risk of Atrial Fibrillation in the Women's Health Initiative Cohort.** *Environmental health perspectives*
Hart, J. E., Hohensee, C., Laden, F., Holland, I., Whitsel, E. A., Wellenius, G. A., Winkelmayr, W. C., Sarto, G. E., Warsinger Martin, L., Manson, J. E., Greenland, P., Kaufman, J., Albert, et al
2021; 129 (9): 97007
- **Generation of three induced pluripotent stem cell lines (SCVli014-A, SCVli015-A, and SCVli016-A) from patients with LQT1 caused by heterozygous mutations in the KCNQ1 gene.** *Stem cell research*
Zhang, H., Jahng, J. W., Liu, Y., Chase, A. J., Perez, M. V., Wu, J. C.
2021; 55: 102492
- **Role of digital health in detection and management of atrial fibrillation.** *Heart (British Cardiac Society)*
Tooley, J. E., Perez, M. V.
2021
- **Rare Coding Variants Associated with Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-ancestry Analysis.** *Circulation. Genomic and precision medicine*
Choi, S. H., Jurgens, S. J., Haggerty, C. M., Hall, A. W., Halford, J. L., Morrill, V. N., Weng, L., Lagerman, B., Mirshahi, T., Pettinger, M., Guo, X., Lin, H. J., Alonso, et al
2021

- **Management of Congenital Long-QT Syndrome: Commentary From the Experts.** *Circulation. Arrhythmia and electrophysiology*
Kaufman, E. S., Eckhardt, L. L., Ackerman, M. J., Aziz, P. F., Behr, E. R., Cerrone, M., Chung, M. K., Cutler, M. J., Etheridge, S. P., Krahn, A. D., Lubitz, S. A., Perez, M. V., Priori, et al
2021: CIRCEP120009726
- **Antiarrhythmic drug loading at home using remote monitoring: a virtual feasibility study during COVID-19 social distancing.** *European heart journal. Digital health*
Shah, R. L., Kapoor, R., Bonnett, C., Ottoboni, L. K., Tacklind, C., Tsiperfal, A., Perez, M. V.
2021; 2 (2): 259-262
- **Generation of three heterozygous KCNH2 mutation-carrying human induced pluripotent stem cell lines for modeling LQT2 syndrome.** *Stem cell research*
Mondejar-Parreno, G., Jahng, J. W., Belbachir, N., Wu, B. C., Zhang, X., Perez, M. V., Badhwar, N., Wu, J. C.
2021; 54: 102402
- **Generation of three induced pluripotent stem cell lines, SCVli003-A, SCVli004-A, SCVli005-A, from patients with ARVD/C caused by heterozygous mutations in the PKP2 gene.** *Stem cell research*
Jahng, J. W., Black, K. E., Liu, L., Bae, H. R., Perez, M., Ashley, E. A., Sallam, K., Wu, J. C.
2021; 53: 102284
- **Palpitations in an Elite Running Athlete: When to Run Through the Beat? A Case Report.** *Current sports medicine reports*
Giacomazzi, C., Diaz, R., Syrop, I., Perez, M., Froelicher, V. F., Fredericson, M.
2021; 20 (2): 84–86
- **Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program.** *Nature*
Taliun, D., Harris, D. N., Kessler, M. D., Carlson, J., Szpiech, Z. A., Torres, R., Taliun, S. A., Corvelo, A., Gogarten, S. M., Kang, H. M., Pitsillides, A. N., LeFaive, J., Lee, et al
2021; 590 (7845): 290–99
- **Research Priorities in Atrial Fibrillation Screening: A Report From a National Heart, Lung, and Blood Institute Virtual Workshop.** *Circulation*
Benjamin, E. J., Go, A. S., Desvigne-Nickens, P., Anderson, C. D., Casadei, B., Chen, L. Y., Crijns, H. J., Freedman, B., Hills, M. T., Healey, J. S., Kamel, H., Kim, D., Link, et al
2021; 143 (4): 372–88
- **Combining Clinical and Polygenic Risk Improves Stroke Prediction Among Individuals with Atrial Fibrillation.** *Circulation. Genomic and precision medicine*
O'Sullivan, J. W., Shcherbina, A., Justesen, J. M., Turakhia, M., Perez, M., Wand, H., Tcheandjieu, C., Clarke, S. L., Rivas, M. A., Ashley, E. A.
2021
- **Antiarrhythmic Drug Loading at Home Using Remote Monitoring: A Virtual Feasibility Study During COVID-19 Social Distancing** *European Heart Journal Digital Health*
Shah, R. L., Kapoor, R., Bonnett, C., Ottoboni, L. K., Tacklind, C., Tsiperfal, A., Perez, M. V.
2021
- **Arrhythmias Other Than Atrial Fibrillation in Those With an Irregular Pulse Detected With a Smartwatch: Findings From the Apple Heart Study.** *Circulation. Arrhythmia and electrophysiology*
Perino, A. C., Gummidi, S. E., Lee, J., Hedlin, H., Garcia, A., Ferris, T., Balasubramanian, V., Gardner, R. M., Cheung, L., Hung, G., Granger, C. B., Kowey, P., Rumsfeld, et al
2021: CIRCEP121010063
- **Evaluation of gene validity for CPVT and short QT syndrome in sudden arrhythmic death.** *European heart journal*
Walsh, R., Adler, A., Amin, A. S., Abiusi, E., Care, M., Bikker, H., Amenta, S., Feilotter, H., Nannenberg, E. A., Mazzarotto, F., Trevisan, V., Garcia, J., Hershberger, et al
2021
- **Consumer wearable technologies to identify and monitor exercise-related arrhythmias in athletes.** *Current opinion in cardiology*
Sanchis-Gomar, F., Lavie, C. J., Perez, M. V.
2020
- **Inherited causes of clonal haematopoiesis in 97,691 whole genomes.** *Nature*

- Bick, A. G., Weinstock, J. S., Nandakumar, S. K., Fulco, C. P., Bao, E. L., Zekavat, S. M., Szeto, M. D., Liao, X., Leventhal, M. J., Nasser, J., Chang, K., Laurie, C., Burugula, et al
2020
- **Digital Health and the Care of the Arrhythmia Patient; What Every Electrophysiologist Needs to Know.** *Circulation. Arrhythmia and electrophysiology*
Tarakji, K. G., Silva, J. N., Chen, L. Y., Turakhia, M. P., Perez, M. V., Attia, Z. I., Passman, R., Boissy, A., Cho, D. J., Majmudar, M., Mehta, N., Wan, E. Y., Chung, et al
2020
 - **Apelin increases atrial conduction velocity, refractoriness, and prevents inducibility of atrial fibrillation.** *JCI insight*
Kim, Y. M., Lakin, R., Zhang, H., Liu, J., Sachedina, A., Singh, M., Wilson, E., Perez, M., Verma, S., Quertermous, T., Olgin, J., Backx, P. H., Ashley, et al
2020; 5 (17)
 - **Genetic Determinants of Electrocardiographic P-wave Duration and Relation to Atrial Fibrillation.** *Circulation. Genomic and precision medicine*
Weng, L., Hall, A. W., Choi, S. H., Jurgens, S. J., Haessler, J., Bihlmeyer, N. A., Grarup, N., Lin, H., Teumer, A., Li-Gao, R., Yao, J., Guo, X., Brody, et al
2020
 - **Amiodarone in the COVID-19 Era: Treatment for Symptomatic Patients Only, or Drug to Prevent Infection?** *American journal of cardiovascular drugs : drugs, devices, and other interventions*
Sanchis-Gomar, F., Lavie, C. J., Morin, D. P., Perez-Quilis, C., Laukkanen, J. A., Perez, M. V.
2020
 - **Artificial Intelligence and Machine Learning in Arrhythmias and Cardiac Electrophysiology.** *Circulation. Arrhythmia and electrophysiology*
Feeny, A. K., Chung, M. K., Madabhushi, A., Attia, Z. I., Cikes, M., Firouznia, M., Friedman, P. A., Kalscheur, M. M., Kapa, S., Narayan, S. M., Noseworthy, P. A., Passman, R. S., Perez, et al
2020
 - **How Will Genetics Inform the Clinical Care of Atrial Fibrillation?** *CIRCULATION RESEARCH*
Shoemaker, M., Shah, R. L., Roden, D. M., Perez, M.
2020; 127 (1): 111–27
 - **A Smartwatch to Identify Atrial Fibrillation REPLY** *NEW ENGLAND JOURNAL OF MEDICINE*
Turakhia, M. P., Desai, M., Perez, M. V.
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