

## Curriculum Vitae

# Marco Valentin Perez, M.D., FAHA

### Work Address

Cardiac Electrophysiology & Arrhythmia Service  
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2170 Bello Ave.  
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650-292-0818

### EDUCATION

|           |                        |                             |              |
|-----------|------------------------|-----------------------------|--------------|
| 1992-1996 | Harvard University     | B.A. <i>Magna Cum Laude</i> | Biochemistry |
| 1996-2001 | Harvard Medical School | M.D. <i>Cum Laude</i>       | Medicine     |

### POSTGRADUATE TRAINING

|           |                                    |              |                         |
|-----------|------------------------------------|--------------|-------------------------|
| 2001-2002 | Massachusetts General Hospital     | Internship   | Internal Medicine       |
| 2002-2004 | Massachusetts General Hospital     | Residency    | Internal Medicine       |
| 2004-2007 | Stanford University Medical Center | Fellowship   | Cardiology              |
| 2006-2007 | Stanford University Medical Center | Chief Fellow | Cardiology              |
| 2006-2008 | NIH F32 NRSA Research Fellowship   | Fellowship   | Cardiac Genetics        |
| 2008-2010 | Stanford University Medical Center | Fellowship   | Card. Electrophysiology |
| 2010-2011 | NIH T32 Research Fellowship        | Fellowship   | Cardiac Genetics        |

### FACULTY ACADEMIC TITLES

2015 – Present Assistant Professor, Stanford University, Cardiovascular Medicine  
2011 – 2015 Instructor, Stanford University, Cardiovascular Medicine

### MAJOR ADMINISTRATIVE POSITIONS

2013 – Director, Stanford Inherited Cardiac Arrhythmia Clinic  
2017 – Director, Stanford Electrocardiography Department

### HONORS AND AWARDS

|           |  |
|-----------|--|
| 1992-1996 | Harvard University Dean's List                                     |
| 1992      | Harvard-Radcliffe Scholarship                                      |
| 1992      | National Hispanic Institute's Academic Excellence Award            |
| 1994      | David Rockefeller Center for Latin American Studies Research Award |
| 1995      | Harvard University Dean's Summer Research Award                    |
| 1996      | Harvard University Graduation <i>Magna Cum Laude</i>               |
| 1997      | Harvard Medical School Research Scholarship                        |
| 2001      | Harvard Medical School Graduation <i>Cum Laude</i>                 |
| 2002      | Harvard Medical School's Resident Teaching Award                   |

|             |   |
|-------------|---|
| 2006,2007   | Recipient, National Research Service Award (NIH)                    |
| 2006,2007   | Recipient, Stanford University Dean's Scholarship                   |
| 2007        | Stanford University Cardiovascular Outstanding Clinical Fellow      |
| 2009        | Broad Institute Award for Workshop in Complex Disease Genomics      |
| 2010 - 2018 | Recipient, NIH Loan Repayment Award                                 |
| 2011        | Semi-finalist for "Best Poster" at the 2011 ACC Scientific Sessions |
| 2011        | Recipient, AHA Fellow to Faculty Award                              |
| 2012        | Recipient, Harold Amos Medical Faculty Development Award            |
| 2013        | Young Investigator Award Finalist, AHA FGFB Council                 |
| 2014        | Stanford University Department of Medicine Teaching Award           |

**GRANT REVIEWER**

|           |                                |
|-----------|--------------------------------|
| 2017      | NIH/NHLBI – CICS Study Section |
| 2015-2016 | AHA Research Committee         |

**EDITORIAL ACTIVITIES**

2017 – Present Associate Editor, *Circulation Arrhythmia & Electrophysiology*

Ad Hoc Reviewer:

1. *Journal of the American Medical Association (JAMA)*
2. *Circulation*
3. *Journal of the American College of Cardiology (JACC)*
4. *Archives of Internal Medicine*
5. *American Journal of Cardiology*
6. *Journal of Investigative Medicine*
7. *Trends in Cardiovascular Medicine*
8. *Journal of Interventional Cardiac Electrophysiology*
9. *Journal of Biomedical Engineering*
10. *Pharmacoepidemiology and Drug Safety*
11. *BMC Cardiovascular Disorders*
12. *British Journal of Sports Medicine*
13. *PLOS*
14. *JAMA Cardiology*
15. *Journal of Cardiovascular Electrophysiology*
16. *The Physician and Sportsmedicine*
17. *International Journal of Cardiology*

**LICENSURE & CERTIFICATION**

|           |   |
|-----------|---|
| 1998-2001 | United States Medical Licensing Exam (USMLE) Steps I, II, III             |
| 2003-2004 | Massachusetts state medical license #219298                               |
| 2004-     | California state medical license #A86952, NPI#1740296607                  |
| 2004-     | Federal Drug Enforcement Agency (DEA)                                     |
| 2004-2014 | Diplomate, Internal Medicine, American Board of Internal Medicine         |
| 2007-     | Diplomate, Cardiovascular Disease, American Board of Internal Medicine    |
| 2011-     | Diplomate, Cardiac Electrophysiology, American Board of Internal Medicine |

**PROFESSIONAL ORGANIZATIONS**

1996-2004 Massachusetts Medical Society  
 2004- American Heart Association  
 2006- Heart Rhythm Society

**NATIONAL LEADERSHIP COMMITTEES**

2014- Women’s Health Initiative Cardiovascular Interest Group – Co-leader  
 2014- Women’s Health Initiative Atrial Fibrillation Interest Group – Leader  
 2014-2017 Member, AHA Research Committee  
 2014-2016 Member, AHA National Research Program Subcommittee  
 2014- Medical Director, Racing Hearts Community AED program  
 2013-2015 Member, AHA FGTB Early Career Committee  
 2013-2015 Advocacy Ambassador, AHA FGTB Leadership Committee  
 2016- Member, AHA Portfolio Management Subcommittee

**RESEARCH SUPPORT**

**Active**

**NIH/NHLBI 1R01HL136390-01** 2017-2022

“The WHI Strong and Healthy Silent Atrial Fibrillation Recording Study (WHISH STAR)”  
 Principal Investigator: Marco Perez, MD  
 Study Goals: To measure the effect of exercise intervention on clinical and asymptomatic forms of atrial fibrillation using loop recorders.  
 Role: PI. Designed the project and will analyze and interpret results of the study.

**NIH/NHLBI HHSN268201100003C** 2015 – 2020

Women’s Health Initiative Extension 2010-2015  
 Principal Investigator: Marcia Stefanick, PhD  
 Role: Co-investigator  
 Goal: The WHI Clinical Trials studied the effects of hormone therapies on health outcomes including cardiovascular disease. The extension grant will launch critically important cardiovascular research projects that target older women by taking advantage of the large Women’s Health Initiative (WHI) cohort.  
 Role: Lead AF working group and investigate epidemiology and genetics of atrial fibrillation in the WHI.

**Stanford Cardiovascular Division Seed Grant** 2016-2017

“Molecular and Genetic Mechanisms of Very Early Onset Atrial Fibrillation”  
 Principal Investigator: Marco Perez, MD  
 Study Goals: To identify novel genes linked to early onset atrial fibrillation through broad sequencing approaches.  
 Role: PI

**Weston Havens Foundation Grant** Perez (PI) 2017-2018

“Novel role for hypocretin receptor 2 in Regulating Ventricular Function”  
 Study Goals: To identify novel small molecules that activate hypocretin receptor 2 and improve cardiac function.  
 Role: PI

**NIH Loan Repayment Program Award** 2010-2018

“Genetic Determinants of Atrial Fibrillation”  
 Principal Investigator: Marco Perez, MD  
 Role: PI  
 Study Goals: To identify genetic determinants of atrial fibrillation in a cohort of African American and Hispanic patients in the Women’s Health Initiative and collaborating cohorts.

Role of Candidate: Dr. Perez designed the project and will analyze and interpret the results of this study. He will be responsible for reporting the findings at national meetings and in peer-reviewed journals.

### Completed

**SPARK/SPECTRUM Grant** Perez (PI) 2014-2017  
“Novel role for hypocretin receptor 2 in Regulating Ventricular Function”  
Study Goals: To identify novel small molecules that activate hypocretin receptor 2 and improve cardiac function.  
Role: PI

**Robert Wood Johnson - Harold Amos Medical Faculty Development Program** 2013-2017  
“Network Analysis of Genomic Variation and Gene Expression Associated with Atrial Fibrillation”  
Principal Investigator: Marco Perez, MD  
Role: PI  
Study Goals: To identify gene networks associated with atrial fibrillation based on gene expression measured from RNA sequencing of atrial tissue extracted during cardiac surgery.  
Role: Designed the project and will analyze and interpret the results of this study.

**American Heart Association – Fellow to Faculty Award** 2011-2016  
“Genetic Determinants of Atrial Fibrillation in a Multiethnic Cohort of Post-Menopausal Women”  
Principal Investigator: Marco Perez, MD  
Role: PI  
Study Goals: To identify genetic determinants of atrial fibrillation in a cohort of African American and Hispanic patients in the Women’s Health Initiative and collaborating cohorts.  
Role: Designed the project and will analyze and interpret the results of this study. Responsible for reporting the findings at national meetings and in peer-reviewed journals.

**Gootter Foundation Grant** Perez (PI) 7/1/2014 – 7/1/2015  
“Electrocardiographic differences between patients with hypertrophic cardiomyopathy and athletes”  
Study Goals: To identify the electrocardiographic characteristics that best distinguish patients with hypertrophic cardiomyopathy and athletes undergoing preparticipation sports screening.  
Role: PI

**Stanford Cardiovascular Institute** 2013-2014  
“Genetic Variation Near *HCRTR2* is Associated with Dramatic Improvement of Heart Function in Patients with Heart Failure”.  
Principal Investigator: Marco Perez, MD  
Role: PI  
Study Goals: To identify the mechanistic link between *HCRTR2* and response to medical therapy in patients with heart failure.

**NIH/NHLBI 1R01DK095024-01A1** 8/1/2012-05/31/2013  
“The Atrial Fibrillation - Factor Identification to Risk Modification Study in Hemodialysis Study”  
Principal Investigator: Wolfgang Winkelmayr, MD  
Role: Co-Investigator  
Goal: To study the risk factors associated with development of atrial fibrillation in patients with end-stage renal disease undergoing hemodialysis.  
Role of Candidate: Dr. Perez will take charge of studying the electrocardiographic determinants of AF in this study population.

### STUDENTS/TRAINEES MENTORED

| Dates     | Name                | Role             | Current Position     |
|-----------|---------------------|------------------|----------------------|
| 2008-2011 | Narmadan Kuramasami | Research Advisor | Oncology Fellow      |
| 2007-2010 | Maneesh Singh       | Research Advisor | Gastroenterology Flw |
| 2012-2014 | Farnaz Azarbal      | Research Advisor | Cardiology Fellow    |
| 2013-2015 | Rachel Bent         | Research Advisor | Medical Student      |
| 2014-2016 | Simon Ermakov       | Research Advisor | Cardiology Fellow    |
| 2016-2017 | Alvin Chen          | Research Advisor | Medical Resident     |
| 2016-2017 | Justin Parizo       | Research Advisor | Cardiology Fellow    |
| 2016-2017 | Daniel Gerber       | Research Advisor | Cardiology Fellow    |

## PEER-REVIEWED PUBLICATIONS

### Journal Articles

1. Kobayashi Y, Wheeler M, Finocchiaro G, Ariyama M, Kobayashi Y, **Perez MV**, Liang D, Kuznetsova T, Schnittger I, Ashley E, Haddad F. Left atrial function and phenotypes in asymmetric hypertrophic cardiomyopathy. *Echocardiography*. 2017 Jun;34(6):843-850.
2. Kathleen F. Kerr, PhD, Christy L. Avery, PhD, MPH, Henry J. Lin, MD, Laura M. Raffield, PhD, Qian S. Zhang, BA, Brian L. Browning, PhD, Sharon R. Browning, PhD, Matthew P. Conomos, PhD, Stephanie M. Gogarten, PhD, Cathy C. Laurie, PhD, Tamar Sofer, PhD, Timothy A. Thornton, PhD, Chancellor Hohensee, MA, Rebecca D. Jackson, MD, Charles Kooperberg, PhD, Yun Li, PhD, Raul Méndez-Giraldez, PhD, **Marco V. Perez**, MD, Ulrike Peters, PhD, MPH, Alexander P. Reiner, MD, MSc, Zhu-Ming Zhang, MD, MPH, Jie Yao, MD, MS, Nona Sotoodehnia, MD, MPH, Kent D. Taylor, PhD, Xiuqing Guo, PhD, Leslie A. Lange, PhD, Elsayed Z. Soliman, MD, MSc, MS, James G. Wilson, MD, Jerome I. Rotter, MD, Susan. Genome-wide association study of heart rate and its variability in Hispanic/Latino cohorts. *Heart Rhythm* (In Press, 2017).
3. Kiran Musunuru, Erik Ingelsson, Co-Myriam Fornage, Peter Liu, Anne M. Murphy, L. Kristin Newby, Christopher Newton-Cheh, **Marco V. Perez**, Deepak Voora, Daniel Woo. The Expressed Genome in Cardiovascular Diseases and Stroke: Refinement, Diagnosis, and Prediction. A Scientific Statement From the American Heart Association. *Circ Cardiovasc Genet* (in press 2017)
4. Ingrid E Christophersen, Michiel Rienstra, Carolina Roselli, Xiaoyan Yin, Bastiaan Geelhoed, John Barnard, Dan E Arking...**Marco Perez**...Susan R Heckbert, Emelia J Benjamin, Toshihiro Tanaka, Kathryn L Lunetta, Steven A Lubitz & Patrick T Ellinor (150 authors total). Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. *Nature Genetics* (2017, in press).
5. Sylvia Wassertheil-Smoller, Aileen P. McGinn, Lisa Martin, Beatriz L. Rodriguez, Marcia L. Stefanick, **Marco Perez**. The Associations of Atrial Fibrillation With the Risks of Incident Invasive Breast and Colorectal Cancer. *Am J Epidemiol* 185 (5):372-384, 2017.
6. Sharma S, Drezner JA, Baggish A, Papadakis M, Wilson MG, Prutkin JM, La Gerche A, Ackerman MJ, Borjesson M, Salerno JC, Asif IM, Owens DS, Chung EH, Emery MS, Froelicher VF, Heidbuchel H, Adamuz C, Asplund CA, Cohen G, Harmon KG, Marek JC, Molossi S, Niebauer J, Pelto HF, **Perez MV**, Riding NR, Saarel T, Schmied CM, Shipon DM, Stein R, Vetter VL, Pelliccia A, Corrado D. International Recommendations for Electrocardiographic Interpretation in Athletes *J Am Coll Cardiol* (in press 2017)
7. Drezner JA, Sharma S, Baggish A, Papadakis M, Wilson MG, Prutkin JM, Gerche A, Ackerman MJ, Borjesson M, Salerno JC, Asif IM, Owens DS, Chung EH, Emery MS, Froelicher VF, Heidbuchel H, Adamuz C, Asplund CA, Cohen G, Harmon KG, Marek JC, Molossi S, Niebauer J, Pelto HF, **Perez MV**, Riding NR, Saarel T, Schmied CM, Shipon DM, Stein R, Vetter VL, Pelliccia

- A, Corrado D. International criteria for electrocardiographic interpretation in athletes. *Br J Sports Med.* (in press, 2017)
8. Pan S, Cabral CS, Ashley EA, **Perez MV**. Orexin: A Missing Link Between Sleep Disorders and Heart Failure? *Curr Heart Fail Rep.* (in press 2017)
  9. Ullal AJ, Kaiser DW, Fan J, Schmitt SK, Than CT, Winkelmayr WC, Heidenreich PA, Piccini JP, **Perez MV**, Wang PJ, Turakhia MP. Safety and Clinical Outcomes of Catheter Ablation of Atrial Fibrillation in Patients With Chronic Kidney Disease. *J Cardiovasc Electrophysiol.* 2017 Jan;28(1):39-48.
  10. James Rush Priest, Charles Gawad, Kristopher M. Kahlig, Joseph K. Yu, Thomas O'Hara, Patrick M. Boyle, Sridharan Rajamanie, Michael J. Clark, Sarah T. K. Garcia, Scott Ceresnaka, Jason Harris, Sean Boyle, Frederick E. Dewey, Lindsey Malloy-Walton, Kyla Dunn, Megan Grovea, **Marco V. Perez**, Norma F. Neff, Richard Chen, Katsuhide Maeda, Anne Dubin, Luiz Belardinelli, John West, Christian Antolik, Daniela Macaya, Thomas Quertermous, Natalia A. Trayanova, Stephen R. Quakek, and Euan A. Ashley. Early somatic mosaicism is a rare cause of long-QT syndrome. *Proc Natl Acad Sci U S A.* 2016 Oct 11;113(41):11555-11560.
  11. Steven A. Lubitz, Jennifer A. Brody, Nathan A. Bihlmeyer, Carolina Roselli, Lu-Chen Weng, Ingrid Christophersen, Alvaro Alonso, Eric Boerwinkle, Richard A. Gibbs, Joshua C. Bis, NHLBI GO Exome Sequencing Project, L. Adrienne Cupples, Peter J. Mohler, Debbie A. Nickerson, Donna Muzny, **Marco V. Perez**, Bruce M. Psaty, Elsayed Z. Soliman, Nona Sotoodehnia, Kathryn L. Lunetta, Emelia J. Benjamin, Susan R. Heckbert, Dan E. Arking, Patrick T. Ellinor, Honghuang Lin. Whole Exome Sequencing in Atrial Fibrillation. *PLoS Genetics* Sep 2;12(9):e1006284, 2016.
  12. Fatima Rodriguez, Marcia L. Stefanick, Philip Greenland, Elsayed Z. Soliman, JoAnn E. Manson, Nisha Parikh, Lisa W. Martin, Joseph C. Larson, Mark Hlatky, Rami Nassir, Crystal Cene, Beatriz Rodriguez, Christine Albert, **Marco V. Perez**. Racial and Ethnic Differences in Atrial Fibrillation Risk Factors and Predictors in Women: Findings from the Women's Health Initiative. *Am Heart J* 2016 Jun;176:70-7.
  13. Pickham D, Hsu D, Soofi M, Goldberg JM, Saini D, Hadley D, **Perez M**, Froelicher VF. Optimizing QT Interval Measurement for the Preparticipation Screening of Young Athletes. *Med Sci Sports Exerc.* Sep;48(9):1745-50, 2016.
  14. Colleen Caleshu, Nadine A. Kasparian, Katharine S. Edwards, Laura Yeates, Christopher Semsarian, **Marco Perez**, Euan Ashley, Christian J. Turner, Joshua W. Knowles, Jodie Ingles. Interdisciplinary psychosocial care for families with inherited cardiovascular diseases. *Trends in Cardiovascular Medicine* 2016 Oct;26(7):647-53.
  15. Ermakov S, Azarbal F, Stefanick ML, LaMonte MJ, Li W, Tharp KM, Martin LW, Nassir R, Salmoirago-Blotcher E, Albert CM, Manson JE, Assimes TL, Hlatky MA, Larson JC, **Perez MV**. The associations of leptin, adiponectin and resistin with incident atrial fibrillation in women. *Heart* Sep 1;102(17):1354-62, 2016.
  16. Roberts JD, Hu D, Heckbert S, Alonso A, Dewland TA, Vittinghoff E, Liu Y, Psaty BM, Olgin JE, Magnani J, Huntsman S, Burchard EG, Arking DE, Bibbins-Domingo K, Harris TB, **Perez MV**, Ziv E, Marcus GM. Genetic Investigation into the Paradoxical Differential Risk of Atrial Fibrillation Among Black and Whites. *JAMA Cardiology* 2016 Jul 1;1(4):442-50.
  17. Kristen K. Patton, MD, Chair; Patrick T. Ellinor, MD, PhD; Michael Ezekowitz, MBChB, DPhil, FAHA; Peter Kowey, MD, FAHA; Steven A. Lubitz, MD, MPH, FAHA; **Marco Perez, MD**; Jonathan Piccini, MD, FAHA; Mintu Turakhia, MD, MAS; Paul Wang, MD, FAHA; Sami Viskin, MD. Electrocardiographic Early Repolarization, A Scientific Statement From the American Heart Association. *Circulation.* Apr 12;133(15):1520-9, 2016.
  18. Farnaz Azarbal, MD, Marcia L. Stefanick, PhD, Themistocles L. Assimes, MD, PhD, JoAnn E. Manson, MD, DrPH, Jennifer W. Bea, PhD, Wenjun Li, PhD, Mark A. Hlatky, MD, Joseph C. Larson, MS, Erin S. LeBlanc, MD, MPH, Christine M. Albert, MD, MPH, Rami Nassir, PhD, Lisa W. Martin, MD, **Marco V. Perez, MD**. Lean Body Mass and Risk of Incident Atrial Fibrillation in Post-Menopausal Women. *Eur Heart J* May 21;37(20):1606-13, 2016.
  19. **Marco V. Perez, MD**, Aleksandra Pavlovic, BS, Ching Shang, PhD, Matthew T. Wheeler, MD, PhD, Clint L. Miller, PhD, Jing Liu, MD, Frederick E. Dewey, MD, PhD, Stephen Pan, MD, MS,

- Porama K. Thanaporn, MD, Devin Absher, PhD, Jeffrey Brandimarto, Heidi Salisbury, RN, MSN, Khin Chan, MD, Rupak D. Mukherjee, PhD, Roda P. Konadhode, PhD, Richard M Myers, PhD, Daniel Sedehi, MD, Thomas E. Scammell, MD, Thomas Quertermous, MD, Thomas Cappola, MD, ScM and Euan Ashley, MRCP, DPhil. Systems genomics identifies a key role for hypocretin/orexin receptor 2 in human heart failure. *J Am Coll Cardiol* 8;66(22):2522-33, 2015.
20. Giraldeau G, Kobayashi Y, Finocchiaro G, Wheeler M, **Perez M**, Kuznetsova T, Lord R, George KP, Oxborough D, Schnittger I, Froelicher V, Liang D, Ashley E, Haddad F., Gender Differences in Ventricular Remodeling and Function in College Athletes, Insights from Lean Body Mass Scaling and Deformation Imaging. *Am J Cardiol*. 2015 Sep 3. pii: S0002-9149(15)01853-6
  21. Dov Shiffman, **Marco V. Perez**, Lance A. Bare, Judy Z. Louie, Andre R. Arellano, James J. Devlin. Genetic risk for atrial fibrillation could motivate patient adherence to warfarin therapy: a cost effectiveness analysis. *BMC Cardiovascular Disorders* 2015; 15(1):104.
  22. Bent, R. E., Wheeler, M. T., Hadley, D., Froelicher, V., Ashley, E., **Perez, M. V.** Computerized Q wave dimensions in athletes and hypertrophic cardiomyopathy patients *Journal of Electrocardiography* 2015; 48 (3): 362-367
  23. Vedant S Pargaonkar, MD; **Marco V Perez, MD**; Akash Jindal, BS; Maya B Mathur MS; Jonathan Myers, PhD; Victor F Froelicher, MD. A Long-Term Prognostic Study 1 of Early Repolarization with J wave Patterns on the Resting Electrocardiogram. *Annals Int. Medicine* (in press, 2015)
  24. Michelle D. Schmiegelow, MD, Haley Hedlin, PhD, Rachel H. Mackey, MD, Lisa W. Martin, MD, Mara Z. Vitolins, DrMPH, Marcia . Stefanick, PhD, **Marco V. Perez, MD**, Matthew Allison, MD, MPH, Mark A. Hlatky, MD. Race/ethnicity, obesity, metabolic health and risk of cardiovascular disease in postmenopausal women. *J Am Heart Assoc*. 2015;4:e001695.
  25. Rachel E. Bent, Matthew T. Wheeler, MD, PhD, David Hadley, PhD, Joshua W. Knowles, MD, PhD, Aleksandra Pavlovic, BS, Gherardo Finocchiaro, MD, Francois Haddad, MD, Heidi Salisbury, RN, MSN, Sarah Race RN, MSN, Yael Shmargad, BS, Gordon O. Matheson, MD, PhD, Nikhil Kumar, Divya Saini, Victor Froelicher, MD, Euan Ashley, MRCP, DPhil, and **Marco V. Perez, MD**; Systematic Comparison of Digital Electrocardiograms from healthy Athletes and Patients with Hypertrophic Cardiomyopathy, *J Am Coll Cardiol*, 2015 Jun 9;65(22):2462-3
  26. Gherardo Finocchiaro, MD, Francois Haddad, MD, Joshua W. Knowles, MD, PHD, Colleen Caleshu, SCM, Aleksandra Pavlovic, BS, Julian Homburger, BS, Yael Shmargad, BS, Gianfranco Sinagra, MD, Emma Magavern, MD, Myo Wong, MD, **Marco Perez, MD**, Ingela Schnittger, MD, Jonathan Myers, PHD, Victor Froelicher, MD, Euan A. Ashley, MD, DPHIL. Cardiopulmonary Responses and Prognosis in Hypertrophic Cardiomyopathy (in press, *J Am Coll Cardiol HF*, 2015)
  27. Tim P. Dunn, MD, David Pickham, PhD, RN, Sonya Aggarwal, BA, Divya Saini, Nikhil Kumar, Matthew T. Wheeler, MD, PhD, **Marco Perez, MD**, Euan Ashley, MRCP, DPhil and Victor F. Froelicher, MD Limitations of Current AHA Guidelines and Proposal of New Guidelines for the Preparticipation Examination of Athletes. (In press, *Clin J Sport Med*, 2015)
  28. Mintu P. Turakhia MD MAS, Aditya J. Ullal BA, Donald D. Hoang BA, Claire T. Than MPH, Jared D. Miller MD, Karen J. Friday MD, Marco V. **Perez MD**, James V. Freeman MD MPH, Paul Wang MD, Paul A. Heidenreich MD MS Feasibility of Extended Ambulatory ECG Monitoring to Identify Silent Atrial Fibrillation in High-Risk Patients: the Screening Study for Undiagnosed Atrial Fibrillation (STUDY-AF). *Clinical Cardiology*, 2015, May;38(5):285-92.
  29. Priest JR, Ceresnak SR, Dewey FE, Malloy-Walton LE, Dunn K, Grove ME, **Perez MV**, Maeda K, Dubin AM, Ashley EA. Molecular diagnosis of long QT syndrome at 10 days of life by rapid whole genome sequencing. *Heart Rhythm*. 2014 Oct;11(10):1707-13.
  30. Seyerle AA, Young AM, Jeff JM, Melton PE, Jorgensen NW, Lin Y, Carty CL, Deelman E, Heckbert SR, Hindorff LA, Jackson RD, Martin LW, Okin PM, **Perez MV**, Psaty BM, Soliman EZ, Whitsel EA, North KE, Laston S, Kooperberg C, Avery CL. Evidence of Heterogeneity by Race/Ethnicity in Genetic Determinants of QT Interval. *Epidemiology*. 2014 Nov;25(6):790-8.
  31. Azarbal F, Stefanick ML, Salmoirago-Blotcher E, Manson JE, Albert CM, LaMonte MJ, Larson JC, Li W, Martin LW, Nassir R, Garcia L, Assimes TL, Tharp KM, Hlatky MA, **Perez MV**. Obesity,

physical activity, and their interaction in incident atrial fibrillation in postmenopausal women. *J Am Heart Assoc.* 2014 Aug 20;3(4). pii: e001127. doi: 10.1161/JAHA.114.001127.

32. Pentti M, Rautaharju, MD, PHD, Zhu-Ming Zhang, MD, Mara Vitolins, PhD, **Marco Perez, MD**, Matthew A. Allison, MD, MPH, Philip Greenland, MD, Elsayed Z. Soliman, MD, MSc, MS. Electrocardiographic Repolarization-Related Variables as Predictors of Coronary Heart Disease Death in the Women's Health Initiative (WHI) Study. *Journal of Amer Heart Assoc* (in press, 2014)
33. Perino AC, Hoang DD, Holmes TH, Santangeli P, Heidenreich PA, **Perez MV**, Wang PJ, Turakhia MP. Association Between Success Rate and Citation Count of Studies of Radiofrequency Catheter Ablation for Atrial Fibrillation: Possible Evidence of Citation Bias. *Circ Cardiovasc Qual Outcomes* 2014; 7(5):687-692.
34. Latent obstruction and left atrial size are predictors of clinical deterioration leading to septal reduction in hypertrophic cardiomyopathy. Finocchiaro, G., Haddad, F., Pavlovic, A., Sinagra, G., Schnittger, I., Knowles, J. W., **Perez, M.**, Magavern, E., Myers, J., Ashley, E. *Journal of cardiac failure* 2014; 20 (4): 236-243
35. Wong, J., Lobato, R., Pinesetts, A., Maxwell, B., Mora-Mangano, C., **Perez, M.** P-wave characteristics on routine preoperative ECG improve prediction of new-onset postoperative atrial fibrillation in cardiac surgery. *J Cardiothoracic Vasc Anesth.* 2014; 28(6):1497-504.
36. Hlatky MA, Ray RM, Burwen DR, Margolis KL, Johnson KC, Kucharska-Newton A, Manson JE, Robinson JG, Safford MM, Allison M, Assimes TL, Bavry AA, Berger J, Cooper-Dehoff RM, Heckbert SR, Li W, Liu S, Martin LW, **Perez MV**, Tindle HA, Winkelmayr WC, Stefanick ML. Use of Medicare Data to Identify Coronary Heart Disease Outcomes in the Women's Health Initiative. *Circ Cardiovasc Qual Outcomes.* 2014; 7(1):157-62.
37. Muramoto D, Yong CM, Singh N, Aggarwal S, **Perez M**, Ashley E, Hadley D, Froelicher V. Patterns and prognosis of all components of the J-wave pattern in multiethnic athletes and ambulatory patients. *Am Heart J.* 2014 Feb;167(2):259-66
38. Heidenreich, P. A., Lin, S., Knowles, J. W., **Perez, M.**, Maddox, T. M., Ho, M. P., Rumsfeld, J. S., Sahay, A., Massie, B. M., Tsai, T. T., Witteles, R. M., Variation in Use of Left Ventriculography in the Veterans Affairs Health Care System *Circ Cardiovasc Qual Outcomes.* 2013; 6 (6): 687-693
39. Farnaz Azarbal, Maneesh H. Singh, Gherardo Finocchiaro, Vy-Van Le, Ingela Schnittger, Paul Wang, Jonathan Myers, Euan A. Ashley, **Marco V. Perez.** Exercise Capacity and Paroxysmal Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy, *Heart* 2014; 100(8):624-630.
40. Finocchiaro G, Knowles JW, Pavlovic A, **Perez M**, Magavern E, Sinagra G, Haddad F, Ashley E, Prevalence and Clinical Correlates of Right Ventricular Dysfunction in Patients With Hypertrophic Cardiomyopathy, *Am J Cardiol*, Epub 2013 Oct 4
41. Park S, Wang PJ, Zei PC, Hsia HH, Turakhia M, **Perez M**, Al-Ahmad A. Pacemaker Therapy in Atrial Fibrillation. *J Cardio Vasc Med.* 2013. 1: 1-7.
42. **Marco V. Perez, MD**, Thomas J. Hoffmann, PhD , Hua Tang, PhD, Timothy Thornton, PhD, Marcia L. Stefanick, PhD, FAHA, Joseph C. Larson, MS, Charles Kooperberg, PhD, Alex P. Reiner, MD, MPH, Bette Caan, DrPH, Carlos Iribarren, MD, MPH, PhD, Neil Risch, PhD, African-American race but not genome-wide African ancestry is negatively associated with atrial fibrillation among postmenopausal women, *American Heart Journal* 2013 Sep;166(3):566-572.
43. Zhu-ming Zhang, MD, MPH, Pentti M. Rautaharju MD, PhD, Elsayed Z. Soliman, MD, MSc, MS, JoAnn E. Manson, MD, DrPH, Lisa W Martin, MD, **Marco Perez, MD**, Mara Vitolins, PhD, Ronald J. Prineas, MB, BS, PhD, Different Patterns of Bundle Branch Blocks and Risk of Incident Heart Failure in the Women's Health Initiative. *Circulation Heart Failure* 6:655-661, 2013.
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## NON PEER-REVIEWED PUBLICATIONS

### Invited Editorials

1. **Perez, MV**; Ashley, EA, Taming Rare Variation with Known Biology in Long QT Syndrome, *Circulation Genetics* 2013 Jun;6(3):227-9.

### Letters to the Editor

1. Wong, J, Maxwell, B, **Perez, MV**, Reply to Van Oosten et al: "P-wave characteristics on routine preoperative electrocardiogram improve prediction of new-onset postoperative atrial fibrillation in cardiac surgery". *Journal of Cardiothoracic and Vascular Anesthesia*, 2015 Oct;29(5):e63-4.
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3. **Perez, M.**, Froelicher, V.: Response to Letter by Drs. Dilaveris and Stefanadis: Electrocardiographic predictors of atrial fibrillation: Methodological considerations. *American Heart Journal*, 2010; 159:e5.
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### Commentary

1. **Marco V. Perez**, Karen Friday, Victor Froelicher, Semantic Confusion: The Case of Early Repolarization and the J point. *The American J of Medicine*, 2012 Sep;125(9):843-4.

### Books

1. Reza Ardehali, **Marco Perez**, Paul Wang. *A Practical Handbook of Cardiovascular Medicine*, Blackwell Publishing. ISBN 978-1405180399

### Book Chapters

1. **Perez, M.** and A. Al-Ahmad, Role of Catheter Control Systems in Ablation of Ventricular Tachycardia, in *Ventricular Arrhythmias and Sudden Death*, P. Wang, Editor. 2008, Blackwell Publishing. ISBN 978-1-4051-6114-5
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5. Paul J. Wang, MD, Amin Al-Ahmad, MD, Henry H. Hsia, MD, Paul C. Zei, MD, PhD, Mintu Turakhia, MD, MAS, **Marco Perez, MD**, Timing Cycles of Implantable Devices in Clinical Cardiac Pacing, Defibrillation, and Resynchronization Therapy, 4<sup>th</sup> Ed., Elsevier Science 2012. ISBN 978-1-4377-1616-0
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7. **Marco V. Perez**, Amin Al-Ahmad, Andrea Natale, How to Perform Pulmonary Vein Antrum Isolation for Atrial Fibrillation, *Hands-On Ablation*, Cardiotext 2014. ISBN 978-1-935395-24-9

### Honors Theses

1. **Perez, M.** A Tripartite mdm2/p53/p300 complex that may regulate p53 degradation, in Molecular Biology. 2001, Harvard Medical School: Boston.
2. **Perez, M.** The Role of Tetrahydrobiopterin in Endothelial Nitric Oxide Synthase Catalysis and L-arginine Binding, in Department of Biochemical Sciences. 1996, Harvard University: Cambridge. p. 39

**INVITED TALKS**

1. Perez, M., Dewey, F., Tan, S., Myers, J., Froelicher, V.: A Resting ECG Neural Network Predicts Cardiovascular Mortality. American Heart Association, Chicago, Circulation, Oct 2006; 114: II\_427.
2. Perez, M., Dewey, F., Tan, S., Myers, J., Froelicher, V: Added Value of a Resting ECG Neural Network that Predicts Cardiovascular Mortality. American Heart Association, Orlando, 2007. Circulation, Oct 2007; 116: II\_821
3. Marco V. Perez, Narmadan A. Kumarasamy, Douglas K Owens, Paul J Wang, Mark A. Hlatky: Cost-effectiveness of Genetic Testing in Family Members of Patients with Long QT Syndrome. American Heart Association, New Orleans, Circulation, Oct 2008; 118: S\_882.
4. Sex and Race in Cardiac Arrhythmias. EP in the West. Monterrey, CA. 12/2010.
5. ICD Management of Inappropriate Shocks. Instituto de Cardiologia Medicina Vasculat, Monterrey, MEXICO. 8/2010
6. Novel Anticoagulants. Instituto de Cardiologia Medicina Vasculat, Monterrey, MEXICO. 8/2010
7. ICD Implantation and Defibrillation Threshold Testing, Device Management – Beyond the Basics for the EP Fellow Course, Scottsdale, Arizona, March 11, 2011
8. Antitachycardia Pacing, Device Management – Beyond the Basics for the EP Fellow Course, Scottsdale, Arizona, March 11, 2011
9. Long QT Syndrome – An Overview. American Association of Critical-Care Nurses South Bay Chapter Fall Symposium, San Jose, California. November 2011
10. Pre-participation ECG screening in the Athlete, Cardiology Grand Rounds, Stanford Hospital, December, 2011
11. Long QT Syndrome and CPVT. CARDIA Conference. Monterrey, CA 6/2012.
12. Using Gene Networks and Race in Genomic Analyses of Cardiovascular Disease. Frontiers in Cardiovascular Science Seminar. Stanford, CA 6/2012.
13. Genetics of Cardiac Arrhythmias, Cardiology Grand Rounds, Royal Brisbane & Women's Hospital, Brisbane, AUSTRALIA, July 2012
14. The Genomics of Atrial Fibrillation, Cardiovascular and Pulmonary Sciences Seminar, Stanford University Medical School, CA October, 2012.
15. Long QT and Screening Recommendations for Psychotropic Therapy, Vaden Medical Center, Stanford University Medical School, CA February, 2013
16. Clinical and Genetic Implications of Atrial Fibrillation in Hypertrophic Cardiomyopathy, Biodesign New Arrhythmia Technologies Retreat, Denver, CO May 2013
17. Inherited Arrhythmia Syndromes, Cardiology Grand Rounds, Stanford University Medical School, June, 2013.
18. Cardiac Arrhythmias and Devices in Patients with Myotonic Dystrophy, Myotonic Patient Meeting, Stanford University, February 2014.
19. Novel Insights from the study of Atrial Fibrillation in Women, 11<sup>th</sup> Winter Arrhythmia School, University of Toronto, Toronto, CANADA, February 2014
20. Interpreting the Athlete ECG, Cardiology Grand Rounds, Stanford University Medical School, February 2014.
21. The Inherited Arrhythmia Syndromes, Stanford International Medical Services Presentation, site: Sao Paolo, BRAZIL, March 2014.
22. Advances in Genetic Testing for Inherited Arrhythmias, Biodesign New Arrhythmia Technologies, Palo Alto, CA May 2014.

23. Systematic comparison of the electrocardiogram between athletes and patients with hypertrophic cardiomyopathy. Heart Rhythm Scientific Sessions, San Francisco, 2014.
24. Evaluation of Sudden Cardiac Death, Cardiology Grand Rounds, Kaiser San Francisco, 2014.
25. Systematic Comparison of Electrocardiograms in Patients with Hypertrophic Cardiomyopathy and Athletes, Seattle Summit 2015, University of Washington, 2015.
26. Cardiac Arrhythmias in Athletes, Stanford Health Fair, Stanford University 2015.
27. Gene Therapy in Cardiac Arrhythmias, American College of Cardiology, San Diego, 2015.
28. Genetic Conditions of Sudden Unexplained Death, Stanford Vascular Biology and Diseases, Stanford 2015
29. Genetics of Sudden Cardiac Death, BIO 109B, Human Genome and Disease, undergraduate course, 2015.
30. Long QT and Brugada Syndrome, Genetic Counseling Students, Stanford online course, 2015
31. Long QT, Early Repolarization and Familial Atrial Fibrillation – CARDIA conference, Napa, California, 2016
32. Genomewide Association Studies and Exomes are Dead: Prepare for the \$1000 Whole Genome. Heart Rhythm Scientific Sessions, San Francisco, 2016.
33. Big data in cardiac arrhythmias. Stanford Biodesign Conference, Stanford, 2016
34. Arrhythmogenic Right Ventricular Cardiomyopathy, Pulmonary Hypertension Conference, Stanford, 2016

#### RECURRENT TEACHING LECTURES

1. Long QT Syndrome for the EP, Stanford Electrophysiology Fellows Core Conference, annual
2. Brugada Syndrome and Early Repolarization, Cardiac Electrophysiology Core conference, annual
3. Antitachycardia Pacing for the Electrophysiology Fellow, annual
4. Cardiac Genetics for the Electrophysiologist, Cardiac Electrophysiology Core Conference, annual
5. Introduction to the EP Study parts I & II, Cardiology Fellows Core Conference, biannual
6. Introduction to the Electrocardiogram, Stanford Medical Students, annual
7. Inherited Cardiac Arrhythmias, Stanford University Medicine Residents, annual

#### Poster Abstracts

1. Simon Ermakov, MD, Farnaz Azarbal, MD<sup>1</sup>, Marcia L. Stefanick, PhD<sup>1</sup>, Michael J. LaMonte, PhD, MPH, Wenjun Li, PhD, Katie M. Tharp, PhD, MPH, Lisa W. Martin, MD, FACC, Rami Nassir, PhD, Lorena Garcia, PhD, Elena Salmoirago-Blotcher, MD, PhD, Christine M. Albert, MD, MPH, JoAnn E. Manson, MD, DrPH<sup>10</sup>, Themistocles L. Assimes, MD, PhD, Mark A. Hlatky, MD, Joseph Larson, **Marco V. Perez, MD**. The Role of Leptin, Adiponectin, and Resistin with Incident Atrial Fibrillation in Post-menopausal Women: Findings from the Women's Health Initiative. Heart Rhythm Scientific Sessions, Boston, 2015.
2. Genevieve Giraldeau, MD, David Boulate, MD, Dipanjan Banerjee, Miyuki Ariyama, MD, MaJhew Wheeler, Joshua Knowles, Yukari Kobayashi, MD, **Marco Perez, MD**, Joseph C. Wu, MD, Ingela SchniJger, Tatyana Kouznetsova, BojanVrtovec, MD, Jonathan Myers, PhD, François Haddad, MD and Euan Ashley, MRCP DPhil The Independent Predictive Value of Peak Oxygen

Consumption, Left ventricular Strain and Atrial Remodelling in Patients with Dilated Cardiomyopathy. International Society of Heart and Lung Transplants, Nice, Italy, 2015.

3. **Marco Perez**, MD, Colleen Caleshu, MS, CGC, Josh Knowles, MD, PhD, Aleksandra Pavlovic, BS, Kyla Dunn, MS, CGC, Gherardo Finocchiaro, MD, Heidi Salisbury, RN, Matthew Wheeler, MD, PhD, Sarah Race, RN, Allysonne Smith, RN and Euan Ashley, MD, DrPH. Rare variation in MYH7 is Associated with Atrial Fibrillation in Patients with Hypertrophic Cardiomyopathy, Heart Rhythm Scientific Sessions, Denver 2013.
4. Farnaz Azarbal, Maneesh Singh, Gherardo Finocchiaro, Vy-Van Le, Ingela Schnittger, Paul Wang, Jonathan Myers, **Marco Perez**, Euan Ashley. Paroxysmal Atrial Fibrillation Is Associated with Exercise Intolerance among Individuals with Hypertrophic Cardiomyopathy. American College of Cardiology Scientific Sessions, San Francisco, 2013.
5. **Marco V. Perez**, Paul J. Wang, Barbara Cochrane, J. David Curb, Liviu Klein, Joseph Larson, JoAnn Manson, Lisa W. Martin, Jennifer Robinson, Sylvia Wassertheil-Smoller, Marcia L. Stefanick: Effects of Postmenopausal Hormone Therapy on Atrial Fibrillation: The Women's Health Initiative Randomized Controlled Trials, *J Am Coll Card* 2012; 59; E661.
6. JoEllyn M. Abraham, MD, Joseph Larson, MS, Mina K. Chung, MD, Anne B. Curtis, MD, Kamakshi Lakshminarayan, MD, PhD, Jonathan D. Newman, MD, MPH, **Marco Perez, MD**, Kathryn Rexrode, MD, Nawar Shara, MS, PhD, Allen J. Solomon, MD, Marcia L. Stefanick, PhD, James C. Torner, MD, Bruce L. Wilkoff, MD and Sylvia Wassertheil-Smoller, PhD Stroke Risk in Post-menopausal Women with Atrial Fibrillation in the Women's Health Initiative: A Validation and Comparison of the CHADS2, and CHA2DS2-VASc Risk Scores, *J Am Coll Cardiol*. 2012;59(13s1):E569-E569.
7. Hoang DD, Ullal A, **Perez MV**, Froelicher VF, Heidenreich PA, Yang F, Turakhia MP. Early Repolarization Pattern on ECG and Risk of Arrhythmic Death: A Systematic Review. Poster presentation at Bay Area Clinical Research Symposium, San Francisco, November 4, 2011.
8. **Marco V. Perez**, MD, Aleksandra Pavlovic, Matthew T. Wheeler, MD, Frederick E. Dewey, Daniel Bernstein, MD, Robert C. Robbins, MD, Michael B. Fowler, Thomas Quertermous, MD, Devin Absher, PhD, Michael Ho, MD, Elizabeth Cretti BA, Audrey Southwick, PhD, David Rosenthal, MD, Richard M Myers, PhD, Paul Heidenreich, MD, Lisa Garrett, BA, Daniel Sedehi, MD, David Kao, MD, and Heidi Salisbury, RN, MSN, Khin Chan MD and Euan Ashley, MRCP, DPhil., Genetic Determinants of Dramatic Improvement in Left Ventricular Function in Patients with Heart Failure. American College of Cardiology Scientific Sessions, New Orleans, April, 2011
9. **Marco V. Perez**, MD, Aleksandra Pavlovic, Matthew T. Wheeler, MD, Frederick E. Dewey, Devin Absher, PhD, Michael Ho, MD, Audrey Southwick, PhD, PhD, Paul Heidenreich, MD, Daniel Sedehi, MD, Heidi Salisbury, RN, MSN, Khin Chan MD, Robert C. Robbins, MD, Michael B. Fowler, Thomas Quertermous, MD, Richard M Myers, Daniel Bernstein, MD, and Euan Ashley, MRCP, DPhil., A genetic Variant of NMNAT3 is associated with Atrial Fibrillation in Patients with Heart Failure, Heart Rhythm Scientific Sessions, San Francisco, May 2011.
10. **Marco V. Perez** MD, Abhimanyu Uberoi MD, MS; Nikhil A. Jain; Euan Ashley MRCP Dphil; Mintu P. Turakhia MD MAS; Vic Froelicher MD, Early repolarization is more prevalent but carries a limited prognostic value in African Americans, Heart Rhythm Scientific Sessions, San Francisco, May 2011.
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12. Young M. Kim, MD, DPhil; Maneesh H. Singh, MD; Saugata Ray PhD; Ayaaz Sachedina BSc **Marco Perez, MD**; Liyong Zhang, PhD; Pilar Ruiz-Lozano, PhD; Subodh Verma MD, PhD; Peter P. Liu, MD; Barbara Casadei, MD, DPhil; Euan A. Ashley, MRCP, DPhil; Peter H. Backx, DVM, PhD, FRS. Modulation Of Atrial Electrophysiology And Oxidative Stress By The Endogenous Peptide Hormone Apelin – Implications In Human Atrial Fibrillation, Basic Cardiovascular Sciences, Rancho Mirage, 2010.
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*Circulation*, Nov 2009; 120: S519
14. **Marco V. Perez**, Paul J. Wang, Liviu Klein, Stephanie Connelly, Joseph Larson, Marian Limacher, JoAnn Manson, Lisa W. Martin, Ronald Prineas, Beatriz L. Rodriguez, Sylvia Smoller, Elsayed Z. Soliman, Marcia L. Stefanick Independent Clinical Correlates of Atrial Fibrillation in Postmenopausal Women: The Women's Health Initiative Observational Study, American Heart Association, Orlando, *Circulation*, Nov 2009; 120: S520.
  15. Dewey, Frederick; **Perez, Marco**; Hadley, David; Freeman, James; Wang, Paul; Ashley, Euan; Myers, Jonathan; Froelicher, Victor: Statin Therapy and Exercise Induced Ventricular Arrhythmias. Oral Abstract, American College of Cardiology, Chicago, 2008.
  16. Vy-Van Le, **Marco Perez**, Matthew Wheeler, Ingela Schnittger, Euan Ashley. Left Atrial Volume and E/E' Ratio are Most Predictive of Exercise Capacity in Hypertrophic Cardiomyopathy. Poster Abstract, *American Heart Association*, New Orleans, *Circulation*, Oct 2008; 118: S\_835.
  17. Vy-Van Le, Frederick Dewey, **Marco Perez**, Matthew Wheeler, Sandra Mandic, Gannon Sungar, Euan Ashley, Gordon Matheson, Victor Froelicher. Addition of the Electrocardiogram to the Pre-participation Examination of College Athletes. Oral Abstract, *American Heart Association*, New Orleans, *Circulation*, Oct 2008; 118: S\_835.
  18. Z. Cheng, R. Lo, A. Gupta, **M. Perez**, P. Zei, H.H. Hsia, M. Turakhia, A. Al-Ahmad, P.J. Wang, Atrial Mechanical Function Using Left Atrial Pressure Waveform Analysis in Persistent and Paroxysmal Atrial Fibrillation Patients. Poster Abstract, American Heart Association, Orlando, *Circulation*, Nov 2009; 120: S628.
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