

# Stanford

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## Paul J. Wang, MD

John R. and Ai Giak L. Singleton Director, Professor of Medicine (Cardiovascular Medicine) and, by courtesy, of Bioengineering

Medicine - Cardiovascular Medicine

### CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

300 Pasteur Dr Rm A260

MC 5233

Stanford, CA 94305

**Tel** (650) 723-7111

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### ACADEMIC CONTACT INFORMATION

- **Administrative Associate**

Tatyana Perkis - Administrative Associate

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### Bio

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#### BIO

Dr. Wang is the Director of the Stanford Cardiac Arrhythmia Service and Professor of Medicine and of Bioengineering (by courtesy)(since 2003). Dr. Wang is an expert in the treatment of cardiac arrhythmias, including atrial fibrillation, atrial flutter, ventricular arrhythmias, supraventricular arrhythmias, and sudden cardiac death. He has practiced cardiac electrophysiology as an arrhythmia expert for over 30 years. He was a co-inventor of catheter cryoablation, which has been used to treat over 1 million patients with atrial fibrillation, and has pioneered new techniques in the management of heart rhythm problems. He has co-authored numerous textbooks and book chapters on catheter ablation, implantable defibrillators, sudden cardiac death, cardiac resynchronization/ biventricular pacing therapy, and innovations in arrhythmia therapy. He is past Chair of the American Heart Association Council on Clinical Cardiology ECG and Arrhythmias Committee, a member of the American Heart Association Council on Clinical Cardiology, and the American Heart Association National Science and Clinical Education Committee. He is a former member of the Board of Trustees of the leading professional society in his field, the Heart Rhythm Society. He has helped write the examination used for certification of heart rhythm specialists in the U.S. He founded the annual Stanford Biodesign New Arrhythmia Technologies Retreat, focusing on new technological advances in arrhythmia management and diagnosis. He serves as the Editor-in-Chief of *Circulation:Arrhythmia and Electrophysiology*, one of the leading scientific journals in the field.

#### CLINICAL FOCUS

- Cardiac Electrophysiology
- Cardiology (Heart)
- Atrial Fibrillation
- Cardiac Arrhythmias
- Implantable Defibrillators
- Pacemakers
- Hypertrophic Cardiomyopathy
- Clinical Cardiac Electrophysiology

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Cardiovascular Medicine

- Professor - University Medical Line (By courtesy), Bioengineering
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

### **HONORS AND AWARDS**

- Advanced Practice Physician Champion Award, Stanford Healthcare (2019)
- Council on Clinical Cardiology Distinguished Achievement Award, American Heart Association (2017)
- Faculty Teaching Award, Stanford University Cardiovascular Division (2013)
- Clinical Teaching Award awarded by Medical Residents, Tufts New England Medical Center (2003)
- Natalie and Milton O. Zucker Teaching Award, Tufts University School of Medicine (2002)
- Basic Science Teacher of the Year Award, Tufts University School of Medicine (2002)
- 1999 Special Faculty Recognition Teaching Award, (equivalent to Teacher of the Year), Tufts University School of Medicine (1999,2000,2003)
- Stevelman Award for Excellence in Cardiology, College of Physicians and Surgeons, Columbia University (1983)
- Finalist, Rhodes Scholarship Competition (1978)
- Honorary Harvard National Scholar, Harvard University (1975-1979)

### **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, National Science and Clinical Education Committee, American Heart Association (2017 - 2020)
- Editor-in-Chief, Circulation: Arrhythmia and Electrophysiology, American Heart Association (2017 - present)
- Member, Council on Clinical Cardiology, American Heart Association (2016 - present)
- Board of Trustees, Heart Rhythm Society (2016 - 2017)
- Member of Governance Committee and Nominations Subcommittee, Heart Rhythm Society (2014 - 2015)
- Member of Relationships with Industry Task Force Committee, Heart Rhythm Society (2010 - 2011)
- Member of Governance Committee and Nominations Subcommittee, Heart Rhythm Society (2010 - 2011)
- Governance, Awards Subcommittee member, Heart Rhythm Society (2009 - 2010)
- Chair, Continuing Medical Education Subcommittee, Heart Rhythm Society (2009 - 2011)
- Member, Cardiac Electrophysiology Committee, American College of Cardiology (2008 - 2011)
- Member IBHRE EP Test Writing Committee, International Board of Medical Examiners (2006 - 2012)
- Vice Chair, Educational Committee, Heart Rhythm Society (2002 - 2006)
- Chair, Member Education Working Group Sub-Committee, Heart Rhythm Society (2000 - 2002)
- ABIM Board Examination Writing Committee on Clinical Cardiac Electrophysiology, American Board of Internal Medicine (2004 - 2010)
- President, New England Electrophysiology Society (2001 - 2003)
- Chair, Committee on Electrocardiography/Arrhythmias Council on Clinical Cardiology, American Heart Association (2014 - 2016)

### **PROFESSIONAL EDUCATION**

- Board Certification: Clinical Cardiac Electrophysiology, American Board of Internal Medicine (1992)
- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (1989)
- Fellowship: Brigham and Women's Hospital Harvard Medical School (1989) MA
- Board Certification: Internal Medicine, American Board of Internal Medicine (1986)
- Residency: New York Presbyterian Medical Center (1986) NY

- Internship: New York Presbyterian Medical Center (1984) NY
- Medical Education: College of Physicians and Surgeons Columbia University (1983) NY
- MD, Columbia University , Medicine (1983)
- BA, Harvard University , Biochemical Sciences (1979)

## PATENTS

- Paul J. Wang, Amin Al-Ahmad, Francis William, Kai Ihnken, Kaartiga Sivanesan, Morgan Clyburn, Kathleen L. Kang, Lauren S Chan, Robert C Robbins, Friedrich B. Prinz. "United States Patent 8,882,762 Transmural Ablation Device", Leland Stanford Junior University, Nov 11, 2014
- Dorothea Koh, Bryant Lin, Paul J. Wang, Marie Guion-Johnson, Amin Al-Ahmad. "United States Patent 8,494,623 Method and apparatus for in-vivo physiological monitoring", Jul 23, 2013
- Baharan Kamousi, Bryant Lin and Paul J. Wang. "United States Patent 8,204,581 Method to discriminate arrhythmias in cardiac rhythm management devices", Jun 19, 2012
- Friedrich B. Prinz, Paul J. Wang, Bryant Lin and Ross Venook. "United States Patent 8,100,900 System for delivering therapy", Leland Stanford Junior University, Jan 24, 2012
- David P. Macadam, Paul J. Wang, Shawn X. Yang and Dipen Shah. "United States Patent 7,272,437 Systems for Processing Electrocardiac Signals Having Superimposed Complexes", Sep 18, 2007
- Paul J. Wang and Hassan Rastegar. "United States Patent 7,041,095 Cardiac ablation system and method for treatment of cardiac arrhythmias and transmyocardial revascularization", May 9, 2006
- David MacAdam, Paul J. Wang, Shawn Yang and Dipen Shah. "United States Patent 6,944,495 Methods for Processing Electrocardiac Signals Having Superimposed Complexes", Nov 13, 2005
- David MacAdam, Paul J. Wang, Shawn Yang and Dipen Shah. "United States Patent 6,968,227 Methods for Processing Electrocardiac Signals Having Superimposed Complexes", Nov 5, 2005
- Gary S.Falwell, Ian D.McRury, Michael C.Peterson, Paul J.Wang. "United States Patent 6,916,317 Tricuspid annular grasp catheter", Jul 12, 2005
- Carey M.Rappaport, Paul Wang and Zeji Gu. "United States Patent 6,699,241 Wide-aperture catheter-based microwave cardiac ablation antenna", Mar 2, 2004
- Paul J. Wang and Hassan Rastegar. "United States Patent 6,527,767 Cardiac ablation and method for treatment of cardiac arrhythmias and transmyocardial revascularization", Mar 4, 2003
- Paul J. Wang and Hassan Rastegar. "United States Patent 6,475,179 Tissue Folding Device and Method Thereof", Nov 5, 2002
- Gary S. Falwell, Ian D. McRury, Michael C. Peterson, Paul J. Wang. "United States Patent 6,319,250 Tricuspid Annular Grasp Catheter", Nov 20, 2001
- Tracey A. Morley and Paul J. Wang. "United States Patent 6,113,584 Intraluminal delivery of tissue lysing medium", Sep 5, 2000
- Tracey A. Morley and Paul J. Wang. "United States Patent 5,947,952 Intraluminal Delivery of Tissue Lysing Medium.", Sep 7, 1999
- Tracey A. Morley and Paul J. Wang. "United States Patent 5,766,152 Intraluminal Delivery of Tissue Lysing Medium", Jun 16, 1998
- Paul J. Wang, Peter W. Groeneveld. "United States Patent 5,462,545 Catheter Electrodes", Oct 31, 1995
- Peter L. Friedman, Paul Wang, and Ernest G. Cravalho. "United States Patent 5,147,355 Cryoablation catheter and method of performing cryoablation", Sep 15, 1992

## LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dr. Wang's research centers on the development of innovative approaches to the treatment of arrhythmias, including more effective catheter ablation techniques, more reliable implantable devices, and less invasive treatments. Dr. Wang's clinical research interests include atrial fibrillation, ventricular tachycardia, syncope, and hypertrophic cardiomyopathy. Dr. Wang has active collaborations with Bioengineering, Mechanical Engineering, and Electrical Engineering Departments at Stanford. Some of the goals of his research program are: 1) to create a more effective methods of catheter ablation, 2) to create implantable pacemakers and leads that are more reliable, 3) to create a combined surgical-catheter approach to ablation, 4) to create noninvasive methods of ablation, 5) to make defibrillation painless. Dr. Wang

is interested in using digital technology to improve health care outcomes and has an active project using a digital hypertension management platform. Dr. Wang is committed to addressing disparities in care and is actively involved in increasing diversity in clinical trials.

## CLINICAL TRIALS

- Bariatric Atrial Restoration of Sinus Rhythm, Not Recruiting
- Catheter Ablation vs Anti-arrhythmic Drug Therapy for Atrial Fibrillation Trial, Not Recruiting
- Engaging Patients to Help Achieve Increased Patient Choice and Engagement for AFib Stroke Prevention, Not Recruiting
- Mobile Strategy to Reduce the Risk of Recurrent Preterm Birth, Not Recruiting
- Substrate Versus Trigger Ablation for Paroxysmal Atrial Fibrillation, Not Recruiting

## Teaching

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### COURSES

#### 2024-25

- Introduction to Bioengineering Research: BIOE 390, MED 289 (Aut)
- Pathophysiology and Design for Cardiovascular Disease: BIOE 72N (Spr)

#### 2023-24

- Introduction to Bioengineering Research: BIOE 390, MED 289 (Aut)
- Pathophysiology and Design for Cardiovascular Disease: BIOE 72N (Spr)

#### 2022-23

- Introduction to Bioengineering Research: BIOE 390, MED 289 (Aut)
- Pathophysiology and Design for Cardiovascular Disease: BIOE 72N (Spr)

#### 2021-22

- Introduction to Bioengineering Research: BIOE 390, MED 289 (Aut)
- Pathophysiology and Design for Cardiovascular Disease: BIOE 72N (Spr)

### STANFORD ADVISEES

#### Postdoctoral Faculty Sponsor

Tania Chen

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

## Publications

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### PUBLICATIONS

- **Arrhythmia Research at a Tipping Point: The Need for Disruptive Science and Technology.** *Circulation. Arrhythmia and electrophysiology*  
Wang, P. J., Fishman, G. I., Eckhardt, L., Wu, J. C., Delmar, M., Chung, M. K., Patton, K. K., Russo, A. M., Albert, C. M., Narayan, S. M.  
2024: e012720
- **Who are we missing? Language exclusivity of patient-reported outcomes in atrial fibrillation clinical trials.** *Journal of cardiovascular electrophysiology*  
Lan, R. H., Guerrero, E. P., Lewis, E. F., Wang, P. J.  
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
- **Diversity in Atrial Fibrillation Trials: Assessing the Role of Language Proficiency as a Recruitment Barrier.** *Heart rhythm*  
Lan, R. H., Guerrero, E. P., Shen, S., Qin, F., Ritter, V., Brown-Johnson, C., Clark, K., Rose, E., Lewis, E. F., Wang, P. J.  
2024
- **Patient Representativeness With Virtual Enrollment in the PRO-HF Trial.** *Journal of the American Heart Association*  
Gupta, A., Skye, M., Calma, J., Din, N., Azizi, Z., Hernandez, M. F., Zheng, J., Kalwani, N. M., Malunjar, S., Schirmer, J., Wang, P., Rodriguez, F., Heidenreich, et al  
2024; 13 (2): e030903
- **Design and Implementation of an Electronic Health Record-Integrated Hypertension Management Application.** *Journal of the American Heart Association*  
Funes Hernandez, M., Babakhanian, M., Chen, T. P., Sarraju, A., Seninger, C., Ravi, V., Azizi, Z., Tooley, J., Chang, T. I., Lu, Y., Downing, N. L., Rodriguez, F., Li, et al  
2024; 13 (2): e030884
- **Digital Health Interventions for Heart Failure Management in Underserved Rural Areas of the United States: A Systematic Review of Randomized Trials.** *Journal of the American Heart Association*  
Azizi, Z., Broadwin, C., Islam, S., Schenk, J., Din, N., Hernandez, M. F., Wang, P., Longenecker, C. T., Rodriguez, F., Sandhu, A. T.  
2024; 13 (2): e030956
- **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
- **Opportunities to Increase Science of Diversity and Inclusion in Clinical Trials: Equity and a Lack of a Control.** *Journal of the American Heart Association*  
Igwe, J., Wangdak Yuthok, T. Y., Cruz, E., Mueller, A., Lan, R. H., Brown-Johnson, C., Idris, M., Rodriguez, F., Clark, K., Palaniappan, L., Echols, M., Wang, P., Onwuanyi, et al  
2023; e030042
- **Disabilities Reporting in Cardiac Clinical Trials: How Are We Doing?** *Journal of the American Heart Association*  
Lan, R. H., Rice, E. N., Nunes, J. C., Shah, R., Igwe, J. K., Clark, K., Periyakoil, V. S., Chen, J. H., Lin, B., Awad, C., Idris, M., Cruz, E. R., Lewis, et al  
2023; e029726
- **Who Are We Missing? Reporting of Transgender and Gender-Expansive Populations in Clinical Trials.** *Journal of the American Heart Association*  
Rice, E. N., Lan, R. H., Nunes, J. C., Shah, R., Clark, K., Periyakoil, V. S., Chen, J. H., Lin, B., Echols, M., Awad, C., Idris, M. Y., Cruz, E. R., Poulos, et al  
2023; e030209
- **Electrophysiological mapping of the epicardium via 3D-printed flexible arrays.** *Bioengineering & translational medicine*  
Pong, T., Cyr, K. J., Carlton, C., Aparicio-Valenzuela, J., Wang, H., Babakhanian, M., Maiuolo, A., Lucian, H., Wang, P. J., Woo, Y. J., Lee, A. M.  
2023; 8 (6): e10575
- **Electrophysiological mapping of the epicardium via 3D-printed flexible arrays** *BIOENGINEERING & TRANSLATIONAL MEDICINE*  
Pong, T., Cyr, K. J., Carlton, C., Aparicio-Valenzuela, J., Wang, H., Babakhanian, M., Maiuolo, A., Lucian, H., Wang, P. J., Woo, Y., Lee, A. M.  
2023
- **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., 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
- **WHO ARE WE MISSING? REPORTING OF TRANSGENDER AND GENDER EXPANSIVE POPULATIONS IN CLINICAL TRIALS**  
Rice, E., Lan, R., Nunes, J., Shah, R., Echols, M. R., Lunn, M., Bryant, L., Lewis, E. F., Awad, C., Idris, M. Y., Clark, K., Periyakoil, V., Cruz, et al  
ELSEVIER SCIENCE INC.2023: 119
- **DISABILITIES REPORTING IN CLINICAL TRIALS. HOW ARE WE DOING?**  
Lan, R., Rice, E., Nunes, J., Shah, R., Joseph, I. E., Echols, M. R., Echols, M. R., Lunn, M., Bryant, L., Lewis, E. F., Awad, C., Idris, M. Y., Clark, et al  
ELSEVIER SCIENCE INC.2023: 172
- **Ambient Circulation Surrounding an Ablation Catheter Tip Affects Ablation Lesion Characteristics.** *Journal of cardiovascular electrophysiology*  
Nussinovitch, U., Wang, P., Babakhanian, M., Narayan, S. M., Viswanathan, M., Badhwar, N., Zheng, L., Sauer, W. H., Nguyen, D. T.  
2023
- **Worldwide survey on implantation of and outcomes for conduction system pacing with His bundle and left bundle branch area pacing leads.** *Journal of interventional cardiac electrophysiology : an international journal of arrhythmias and pacing*  
Perino, A. C., Wang, P. J., Lloyd, M., Zanon, F., Fujiu, K., Osman, F., Briongos-Figuero, S., Sato, T., Aksu, T., Jastrzebski, M., Sideris, S., Rao, P., Boczar, et al  
2023: 1-12
- **Phrenic Relocation by Endoscopy, Intentional Pneumothorax Using Carbon Dioxide, and Single Lung Ventilation (PHRENICS) Technique.** *JACC. Clinical electrophysiology*  
Shah, R. L., Perino, A., Wang, P., Lee, A., Badhwar, N.  
2023; 9 (5): 692-696
- **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
- **Advances in Cardiac Electrophysiology.** *Circulation. Arrhythmia and electrophysiology*  
Piccini, J. P., Russo, A. M., Sharma, P. S., Kron, J., Tzou, W., Sauer, W., Park, D. S., Birgersdotter-Green, U., Frankel, D. S., Healey, J. S., Hummel, J., Koruth, J., Linz, et al  
2022: e009911
- **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

- **Needle-Tipped Catheter Ablation of Papillary Muscle Results in Deeper and Larger Ablation Lesions.** *Journal of cardiovascular translational research*  
Nussinovitch, U., Wang, P., Babakhanian, M., Narayan, S. M., Viswanathan, M., Badhwar, N., Zheng, L., Sauer, W. H., Nguyen, D. T.  
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
- **Diversity, Equity, and Inclusion in Cardiac Electrophysiology: It Is Imperative Now and for Our Future.** *Circulation. Arrhythmia and electrophysiology*  
Clair, W. K., Wan, E. Y., Wang, P. J.  
2022: 101161CIRCEP121010763
- **Hybrid Ablation for Atrial Fibrillation: Safety & Efficacy of Unilateral Epicardial Access.** *Seminars in thoracic and cardiovascular surgery*  
Pong, T., Shah, R. L., Carlton, C., Truong, A., Fann, B., Cyr, K., Aparicio-Valenzuela, J., Brodt, C., Wang, P. J., Lee, A. M.  
2022
- **Perpendicular Catheter Orientation During Papillary Muscle Ablation Results in Larger, Deeper Lesions.** *Journal of cardiovascular electrophysiology*  
Nussinovitch, U., Wang, P., Narayan, S., Viswanathan, M., Badhwar, N., Zheng, L., Sauer, W. H., Nguyen, D. T.  
2022
- **Wide Complex QRS During Sotalol Administration.** *JAMA cardiology*  
Rogers, A. J., Wang, P. J., Badhwar, N.  
1800
- **Knowledge Gaps, Challenges, and Opportunities in Health and Prevention Research for Asian Americans, Native Hawaiians, and Pacific Islanders: A Report From the 2021 National Institutes of Health Workshop.** *Annals of internal medicine*  
Kanaya, A. M., Hsing, A. W., Panapasa, S. V., Kandula, N. R., G Araneta, M. R., Shimbo, D., Wang, P., Gomez, S. L., Lee, J., Narayan, K. M., Mala Mau, M. K., Bose, S., Daviglius, et al  
1800
- **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
- **Decision-making experiences and decisional regret in patients receiving implanted cardioverter-defibrillators** *HEART AND MIND*  
Pourshams, I., Lin, B., Wang, P. J., Stafford, R.  
2022; 6 (1): 32-35
- **N-Terminal Pro-B-Type Natriuretic Peptide as a Biomarker for the Severity and Outcomes With COVID-19 in a Nationwide Hospitalized Cohort.** *Journal of the American Heart Association*  
O'Donnell, C., Ashland, M. D., Vasti, E. C., Lu, Y., Chang, A. Y., Wang, P., Daniels, L. B., de Lemos, J. A., Morrow, D. A., Rodriguez, F., O'Brien, C. G.  
2021: e022913
- **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
- **Feasibility Of An Asynchronous, Semi-Automated Remote Patient Monitoring Blood Pressure Management System**  
Sarraju, A., Babakhanian, M., Szeto, I., Seninger, C., Chang, T., Bhalla, V., Downing, L., Rodriguez, F., Turakhia, M., Wang, P. J.  
LIPPINCOTT WILLIAMS & WILKINS.2021

- **Research Priorities in the Secondary Prevention of Atrial Fibrillation: A National Heart, Lung, and Blood Institute Virtual Workshop Report.** *Journal of the American Heart Association*  
Benjamin, E. J., Al-Khatib, S. M., Desvigne-Nickens, P., Alonso, A., Djousse, L., Forman, D. E., Gillis, A. M., Hendriks, J. M., Hills, M. T., Kirchhof, P., Link, M. S., Marcus, G. M., Mehra, et al  
2021: e021566
- **CONSISTENT SPATIOTEMPORAL VECTORS IN ATRIAL FIBRILLATION PREDICT RESPONSE TO ABLATION**  
Ganesan, P., Bhatia, N., Beck, T. C., Ravi, N., Rogers, A., Krummen, D., Wang, P., Rappel, W., Narayan, S.  
ELSEVIER SCIENCE INC.2021: 334
- **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
- **Turning Practicing Surgeons Into Health Technology Innovators: Outcomes From the Stanford Biodesign Faculty Fellowship** *SURGICAL INNOVATION*  
Fuerch, J. H., Wang, P., Van Wert, R., Denend, L.  
2021: 1553350620984338
- **Worldwide Survey of COVID-19 Associated Arrhythmias.** *Circulation. Arrhythmia and electrophysiology*  
Coromilas, E. J., Kochav, S. n., Goldenthal, I. n., Biviano, A. n., Garan, H. n., Goldbarg, S. n., Kim, J. H., Yeo, I. n., Tracy, C. n., Ayanian, S. n., Akar, J. n., Singh, A. n., Jain, et al  
2021
- **Underrepresentation of Ethnic and Racial Minorities in Atrial Fibrillation Clinical Trials.** *Circulation. Arrhythmia and electrophysiology*  
Nunes, J. C., Rice, E. N., Stafford, R. S., Lewis, E. F., Wang, P. J.  
2021: CIRCEP121010452
- **Blood Thinners for Atrial Fibrillation Stroke Prevention.** *Circulation. Arrhythmia and electrophysiology*  
Pundi, K., Baykaner, T., True Hills, M., Lin, B., Morin, D. P., Sears, S. F., Wang, P. J., Stafford, R. S.  
2021: CIRCEP120009389
- **Deep Neural Network Trained on Surface ECG Improves Diagnostic Accuracy of Prior Myocardial Infarction Over Q Wave Analysis**  
Yildirim, O., Baloglu, U. B., Talo, M., Ganesan, P., Tung, J. S., Kang, G., Tooley, J., Alhousseini, M., Baykaner, T., Wang, P. J., Perez, M., Tereshchenko, L., Narayan, et al  
IEEE.2021
- **Arrhythmia Patterns in Patients on Ibrutinib.** *Frontiers in cardiovascular medicine*  
Fazal, M., Kapoor, R., Cheng, P., Rogers, A. J., Narayan, S. M., Wang, P., Wittles, R. M., Perino, A. C., Baykaner, T., Rhee, J.  
1800; 8: 792310
- **Electrical Substrate Ablation for Refractory Ventricular Fibrillation: Results of the AVATAR Study.** *Circulation. Arrhythmia and electrophysiology*  
Krummen, D. E., Ho, G. n., Hoffmayer, K. S., Schweis, F. n., Baykaner, T. n., Rogers, A. J., Han, F. T., Hsu, J. C., Viswanathan, M. N., Wang, P. J., Rappel, W. J., Narayan, S. M.  
2021
- **Machine Learned Cellular Phenotypes Predict Outcome in Ischemic Cardiomyopathy.** *Circulation research*  
Rogers, A. J., Selvalingam, A., Alhousseini, M. I., Krummen, D. E., Corrado, C., Abuzaid, F., Baykaner, T., Meyer, C., Clopton, P., Giles, W. R., Bailis, P., Niederer, S. A., Wang, et al  
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
- **Machine Learning to Classify Intracardiac Electrical Patterns during Atrial Fibrillation.** *Circulation. Arrhythmia and electrophysiology*  
Alhousseini, M. I., Abuzaid, F., Rogers, A. J., Zaman, J. A., Baykaner, T., Clopton, P., Bailis, P., Zaharia, M., Wang, P. J., Rappel, W., Narayan, S. M.  
2020
- **The Year in Review in Cardiac Electrophysiology.** *Circulation. Arrhythmia and electrophysiology*  
Kapa, S., Chung, M. K., Gopinathannair, R., Noseworthy, P. A., Eckhardt, L., Leal, M., Wan, E., Wang, P. J.



2020

- **Case Series and Worldwide Surveys: Team Science Meets Clinical Care.** *Circulation. Arrhythmia and electrophysiology*  
Wang, P. J.  
2020; 13 (5): e008742
- **Guidance for Cardiac Electrophysiology During the Coronavirus (COVID-19) Pandemic from the Heart Rhythm Society COVID-19 Task Force; Electrophysiology Section of the American College of Cardiology; and the Electrocardiography and Arrhythmias Committee of the Council on Clinical Cardiology, American Heart Association.** *Circulation*  
Lakkireddy, D. R., Chung, M. K., Gopinathannair, R., Patton, K. K., Gluckman, T. J., Turagam, M., Cheung, J., Patel, P., Sotomonte, J., Lampert, R., Han, J. K., Rajagopalan, B., Eckhardt, et al  
2020
- **PREDICTING SUDDEN CARDIAC DEATH BY MACHINE LEARNING OF VENTRICULAR ACTION POTENTIALS**  
Selvalingam, A., Alhousseini, M., Rogers, A. J., Krummen, D., Abuzaid, F. M., Baykaner, T., Clopton, P., Bailis, P., Zaharia, M., Wang, P., Narayan, S.  
ELSEVIER SCIENCE INC.2020: 427
- **LARGER ORGANIZED AREAS IN PERSISTENT ATRIAL FIBRILLATION PREDICTS TERMINATION DURING ABLATION**  
Ravi, N., Rogers, A. J., Bhatia, N., Tung, J. S., Krummen, D., Sauer, W., Alhousseini, M., Baykaner, T., Wang, P., Rappel, W., Narayan, S.  
ELSEVIER SCIENCE INC.2020: 279
- **True bipolar or extended bipolar left ventricular pacing is associated with better survival in cardiac resynchronization therapy patients.** *Pacing and clinical electrophysiology : PACE*  
Kutyifa, V., Jame, S., Wang, P. J., Musat, D., Jones, P., Wehrenberg, S., Stein, K.  
2020
- **Electrical Storm in COVID-19.** *JACC. Case reports*  
O'Brien, C. n., Ning, N. n., McAvoy, J. n., Mitchell, J. E., Kalwani, N. n., Wang, P. n., Nguyen, D. n., Reejsinghani, R. n., Rogers, A. n., Lorenzo, J. n.  
2020; 2 (9): 1256–60
- **Guidance for rebooting electrophysiology through the COVID-19 pandemic from the Heart Rhythm Society and the American Heart Association Electrocardiography and Arrhythmias Committee of the Council on Clinical Cardiology.** *Heart rhythm*  
Lakkireddy, D. R., Chung, M. K., Deering, T. F., Gopinathannair, R. n., Albert, C. M., Epstein, L. M., Harding, C. V., Hurwitz, J. L., Jeffery, C. C., Krahn, A. D., Kusumoto, F. M., Lampert, R. n., Mansour, et al  
2020
- **Intrinsically stretchable electrode array enabled in vivo electrophysiological mapping of atrial fibrillation at cellular resolution.** *Proceedings of the National Academy of Sciences of the United States of America*  
Liu, J. n., Zhang, X. n., Liu, Y. n., Rodrigo, M. n., Loftus, P. D., Aparicio-Valenzuela, J. n., Zheng, J. n., Pong, T. n., Cyr, K. J., Babakhanian, M. n., Hasi, J. n., Li, J. n., Jiang, et al  
2020
- **Continuous Ablation Improves Lesion Maturation Compared with Intermittent Ablation Strategies.** *Journal of cardiovascular electrophysiology*  
Rogers, A. J., Borne, R. T., Ho, G. n., Sauer, W. H., Wang, P. J., Narayan, S. M., Zheng, L. n., Nguyen, D. T.  
2020
- **Non-Invasive Assessment of Complexity of Atrial Fibrillation: Correlation with Contact Mapping and Impact of Ablation.** *Circulation. Arrhythmia and electrophysiology*  
Rodrigo, M. n., Climent, A. M., Hernández-Romero, I. n., Liberos, A. n., Baykaner, T. n., Rogers, A. J., Alhousseini, M. n., Wang, P. J., Fernández-Avilés, F. n., Guillem, M. S., Narayan, S. M., Atienza, F. n.  
2020
- **Guidance for Rebooting Electrophysiology Through the COVID-19 Pandemic From the Heart Rhythm Society and the American Heart Association Electrocardiography and Arrhythmias Committee of the Council on Clinical Cardiology: Endorsed by the American College of Cardiology.** *JACC. Clinical electrophysiology*  
Lakkireddy, D. R., Chung, M. K., Deering, T. F., Gopinathannair, R. n., Albert, C. M., Epstein, L. M., Harding, C. V., Hurwitz, J. L., Jeffery, C. C., Krahn, A. D., Kusumoto, F. M., Lampert, R. n., Mansour, et al  
2020; 6 (8): 1053–66
- **Cardiac Procedural Deferral during the Coronavirus (COVID-19) Pandemic.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*  
Yong, C. M., Ang, L. n., Welt, F. G., Gummidipundi, S. n., Henry, T. D., Pinto, D. S., Cox, D. n., Wang, P. n., Asch, S. n., Mahmud, E. n., Fearon, W. F.

2020

- **Guidance for rebooting electrophysiology through the COVID-19 pandemic from the Heart Rhythm Society and the American Heart Association Electrocardiography and Arrhythmias Committee of the Council on Clinical Cardiology.** *Circulation. Arrhythmia and electrophysiology*  
Lakkireddy, D. R., Chung, M. K., Deering, T. F., Gopinathannair, R. n., Albert, C. M., Epstein, L. M., Harding, C. V., Hurwitz, J. L., Jeffery, C. C., Krahn, A. D., Kusumoto, F. M., Lampert, R. n., Mansour, et al  
2020
- **Termination of persistent atrial fibrillation by ablating sites that control large atrial areas.** *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*  
Bhatia, N. K., Rogers, A. J., Krummen, D. E., Hossainy, S. n., Sauer, W. n., Miller, J. M., Alhousseini, M. I., Peszek, A. n., Armenia, E. n., Baykaner, T. n., Brachmann, J. n., Turakhia, M. P., Clopton, et al  
2020
- **Guidance for Cardiac Electrophysiology During the Coronavirus (COVID-19) Pandemic from the Heart Rhythm Society COVID-19 Task Force; Electrocardiography and Arrhythmias Committee of the Council on Clinical Cardiology; American Heart Association.** *Heart rhythm*  
Lakkireddy, D. R., Chung, M. K., Gopinathannair, R. n., Patton, K. K., Gluckman, T. J., Turagam, M. n., Cheung, J. n., Patel, P. n., Sotomonte, J. n., Lampert, R. n., Han, J. K., Rajagopalan, B. n., Eckhardt, et al  
2020
- **Novel Three-Dimensional Imaging Approach for Cryoballoon Navigation and Confirmation of Pulmonary Vein Occlusion.** *Pacing and clinical electrophysiology : PACE*  
Kowalewski, C. A., Rodrigo, M., Brodt, C., Haddad, F., Wang, P. J., Narayan, S. M.  
2019
- **Comparison of Long-Term Adverse Outcomes in Patients With Atrial Fibrillation Having Ablation Versus Antiarrhythmic Medications.** *The American journal of cardiology*  
Freeman, J. V., Tabada, G. H., Reynolds, K., Sung, S. H., Singer, D. E., Wang, P. J., Liu, T. I., Gupta, N., Hlatky, M. A., Go, A. S.  
2019
- **Wavefront Field Mapping Reveals a Physiologic Network Between Drivers Where Ablation Terminates Atrial Fibrillation.** *Circulation. Arrhythmia and electrophysiology*  
Leef, G., Shenasa, F., Bhatia, N. K., Rogers, A. J., Sauer, W., Miller, J. M., Swerdlow, M., Tamboli, M., Alhousseini, M. I., Armenia, E., Baykaner, T., Brachmann, J., Turakhia, et al  
2019; 12 (8): e006835
- **Comparison of QT Interval Measurement Methods and Correction Formulas in Atrial Fibrillation** *AMERICAN JOURNAL OF CARDIOLOGY*  
Tooley, J., Ouyang, D., Hadley, D., Turakhia, M., Wang, P., Ashley, E., Froelicher, V., Perez, M.  
2019; 123 (11): 1822–27
- **Comparison of QT Interval Measurement Methods and Correction Formulas in Atrial Fibrillation.** *The American journal of cardiology*  
Tooley, J., Ouyang, D., Hadley, D., Turakhia, M., Wang, P., Ashley, E., Froelicher, V., Perez, M.  
2019
- **MACHINE LEARNING IDENTIFIES SITES WHERE ABLATION TERMINATES PERSISTENT ATRIAL FIBRILLATION**  
Alhousseini, M., Abuzaid, F., Clopton, P., Rogers, A., Rodrigo, M., Baykaner, T., Wang, P., Rappel, W., Narayan, S.  
ELSEVIER SCIENCE INC.2019: 301
- **SITES THAT CONTROL LARGER AREAS DURING ATRIAL FIBRILLATION MAY DETERMINE TERMINATION DURING ABLATION**  
Bhatia, N. K., Hossainy, S., Rogers, A., Alhousseini, M., Brodt, C., Moosvi, N., Baykaner, T., Wang, P., Rappel, W., Narayan, S.  
ELSEVIER SCIENCE INC.2019: 400
- **INTRACLASS CORRELATIONS OF VOLTAGE, FRACTIONATED ELECTROGRAMS, AND DOMINANT FREQUENCY IN PATIENTS WHERE LOCALIZED ABLATION TERMINATED PERSISTENT ATRIAL FIBRILLATION**  
Rogers, A. J., Moosvi, N., Singh, A., Alhousseini, M., Baykaner, T., Clopton, P., Rappel, W., Wang, P., Narayan, S.  
ELSEVIER SCIENCE INC.2019: 521
- **Year in Review in Cardiac Electrophysiology.** *Circulation. Arrhythmia and electrophysiology*  
Tzou, W. S., Hussein, A. A., Madhavan, M., Viswanathan, M. N., Steinberg, B. A., Ceresnak, S. R., Davis, D. R., Park, D. S., Wang, P. J., Kapa, S.  
2019; 12 (2): e007142

- **Year in Review in Cardiac Electrophysiology** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Tzou, W. S., Hussein, A. A., Madhavan, M., Viswanathan, M. N., Steinberg, B. A., Ceresnak, S. R., Davis, D. R., Park, D. S., Wang, P. J., Kapa, S.  
2019; 12 (2)
- **Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort** *AMERICAN HEART JOURNAL*  
Perino, A. C., Leef, G. C., Cluckey, A., Yunus, F. N., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2019; 208: 110–19
- **New Concepts in Sudden Cardiac Arrest to Address an Intractable Epidemic: JACC State-of-the-Art Review.** *Journal of the American College of Cardiology*  
Narayan, S. M., Wang, P. J., Daubert, J. P.  
2019; 73 (1): 70–88
- **New Concepts in Sudden Cardiac Arrest to Address an Intractable Epidemic JACC State-of-the-Art Review** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Narayan, S. M., Wang, P. J., Daubert, J. P.  
2019; 73 (1): 70–88
- **Efficacy of Ablation Lesion Sets in Addition to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Findings From the SMASH-AF Meta-Analysis Study Cohort** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*  
Cluckey, A., Perino, A. C., Yunus, F. N., Leef, G. C., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2019; 8 (1)
- **Efficacy of Ablation Lesion Sets in Addition to Pulmonary Vein Isolation for Paroxysmal Atrial Fibrillation: Findings From the SMASH - AF Meta-Analysis Study Cohort.** *Journal of the American Heart Association*  
Cluckey, A., Perino, A. C., Yunus, F. N., Leef, G. C., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2019; 8 (1): e009976
- **Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy.** *Nature*  
Lee, J. n., Termglinchan, V. n., Diecke, S. n., Itzhaki, I. n., Lam, C. K., Garg, P. n., Lau, E. n., Greenhaw, M. n., Seeger, T. n., Wu, H. n., Zhang, J. Z., Chen, X. n., Gil, et al  
2019
- **Research Needs and Priorities for Catheter Ablation of Atrial Fibrillation: A Report from a National Heart, Lung, and Blood Institute Virtual Workshop.** *Circulation*  
Al-Khatib, S. M., Benjamin, E. J., Buxton, A. E., Calkins, H. n., Chung, M. K., Curtis, A. B., Desvigne-Nickens, P. n., Jais, P. n., Packer, D. L., Piccini, J. P., Rosenberg, Y. n., Russo, A. M., Wang, et al  
2019
- **Urinary tract infection after catheter ablation of atrial fibrillation.** *Pacing and clinical electrophysiology : PACE*  
Cluckey, A. n., Perino, A. C., Fan, J. n., Askari, M. n., Nasir, J. n., Marcus, G. M., Baykaner, T. n., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2019
- **AF Drivers Where Ablation Terminates Persistent AF Fluctuate Due to Competing Drivers but Remain Anchored in Specific Locations**  
Meckler, G. L., Kowalewski, C. A., Rogers, A. J., Rodrigo, M., Clopton, P., Shenasa, F., Alhusseini, M., Swerdlow, M., Joshi, V., Hossainy, S., Zaman, J., Baykaner, T., Brachmann, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Electrode Density is Greater at Sites Where Ablation Acutely Terminates Atrial Fibrillation**  
Rogers, A. J., Juan, R. C., Collart, O., Swerdlow, M., Alhusseini, M., Rodrigo, M., Kowalewski, C., Baykaner, T., Zaman, J., Wang, P. J., Rappel, W., Narayan, S. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Preserved Apical Myocardial Deformation Identifies Responders of Cardiac Resynchronization Therapy**  
Biering-Sorensen, T., Kutlyifa, V., Knappe, D., Pouleur, A., Claggett, B., Wang, P. J., Solomon, S. D.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Esophageal Re-Warming Profile During Cryoballoon Ablation Why We Should Avoid the Freeze Thaw Refreeze Technique**  
Tomaiko, E. D., Orme, J., Habib, A., Su, W., Wang, P. J., Jaskanawal, B., Su, S.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Comparing Multiple Mapping Methods at Sites of AF Termination: The COMPARE-AF Registry.**

Zaman, J. A., Baykaner, T., Meckler, G., Clopton, P., Alhusseini, M., Shenasa, F., Kowalewski, C., Rogers, A., Vidmar, D., Krummen, D., Viswanathan, M., Rappel, W., Brachmann, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018

- **Sites Where Ablation Terminated Atrial Fibrillation Identified by Machine Learning Models**  
Alhusseini, M., Abuzaid, F., Swerdlow, M., Meckler, G., Clopton, P., Rogers, A., Rodrigo, M., Baykaner, T., Zaman, J., Kowalewski, C., Shenasa, F., Atienza, F., Mohan, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Machine Learning Reveals That Drivers for Persistent Atrial Fibrillation at Termination Sites Show Irregular Rotational Cycles and Domain Size**  
Alhusseini, M., Abuzaid, F., Swerdlow, M., Clopton, P., Meckler, G. L., Maniar, N. M., Rogers, A., Rodrigo, M., Baykaner, T., Zaman, J., Kowalewski, C., Shenasa, F., Tamboli, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Vector Propagation Automatically Identifies Sites of Termination of Persistent Atrial Fibrillation by Ablation**  
Leef, G., Shenasa, F., Rogers, A. J., Baykaner, T., Atienza, F., Wang, P. J., Rappel, W., Narayan, S. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Procedural and Clinical Determinants of Acute Success of Driver Ablation for Persistent Atrial Fibrillation**  
Baykaner, T., Rogers, A. J., Rodrigo, M., Alhusseini, M., Zaman, J. A., Wang, P. J., Narayan, S. M., Spitzer, S., Szili-Torok, T.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Localized Driver Regions That Control Larger Regions of the Atria May Be Critical to Sustaining Atrial Fibrillation: Analyses From Novel Vector Mapping**  
Leef, G., Shenasa, F., Sauer, W., Miller, J. M., Vidmar, D., Swerdlow, M. A., Tomboli, M., Rogers, A. J., Alhusseini, M., Armenia, E., Baykaner, T., Brachmann, J., Atienza, et al  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Rotor Substrate Ablation for Antiarrhythmic-Refractory Ventricular Fibrillation With Infrequent, Multifocal Triggers**  
Krummen, D. E., Ho, G., Hoffmayer, K. S., Schweis, F., Bradshaw, A., Baykaner, T., Wang, P. J., Viswanathan, M. N., Rappel, W., Narayan, S. M.  
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Secular trends in success rate of catheter ablation for atrial fibrillation: The SMASH-AF cohort.** *American heart journal*  
Perino, A. C., Leef, G. C., Cluckey, A., Yunus, F. N., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2018
- **Year in Review in Cardiac Electrophysiology.** *Circulation. Arrhythmia and electrophysiology*  
Kapa, S., Davis, D. R., Park, D. S., Steinberg, B. A., Viswanathan, M. N., Tzou, W., Madhavan, M., Ceresnak, S. R., Wang, P. J.  
2018; 11 (7): e006648
- **Year in Review in Cardiac Electrophysiology** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Kapa, S., Davis, D. R., Park, D. S., Steinberg, B. A., Viswanathan, M. N., Tzou, W., Madhavan, M., Ceresnak, S. R., Wang, P. J.  
2018; 11 (7)
- **Interaction of Localized Drivers and Disorganized Activation in Persistent Atrial Fibrillation: Reconciling Putative Mechanisms Using Multiple Mapping Techniques** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Kowalewski, C. B., Shenasa, F., Rodrigo, M., Clopton, P., Meckler, G., Alhusseini, M. I., Swerdlow, M. A., Joshi, V., Hossainy, S., Zaman, J. B., Baykaner, T., Rogers, A. J., Brachmann, et al  
2018; 11 (6): e005846
- **The prognostic benefit of cardiac resynchronization therapy is greater in concordant vs. discordant left bundle branch block in the Multicenter Automatic Defibrillator Implantation Trial-Cardiac Resynchronization Therapy (MADIT-CRT)** *EUROPACE*  
Padeletti, L., Aimo, A., Vishensky, B., Schwartz, A., McNitt, S., Wang, P. J., Moss, A. J., Emdin, M., Zareba, W.  
2018; 20 (5): 794–800
- **Clinical Implications of Ablation of Drivers for Atrial Fibrillation A Systematic Review and Meta-Analysis** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Baykaner, T., Rogers, A. J., Meckler, G. L., Zaman, J., Navara, R., Rodrigo, M., Alhusseini, M., Kowalewski, C. B., Viswanathan, M. N., Narayan, S. M., Clopton, P., Wang, P. J., Heidenreich, et al  
2018; 11 (5)

- **Geographic and racial representation and reported success rates of studies of catheter ablation for atrial fibrillation: Findings from the SMASH-AF meta-analysis study cohort** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Leef, G. C., Perino, A. C., Cluckey, A., Yunus, F. N., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2018; 29 (5): 747–55
- **Independent mapping methods reveal rotational activation near pulmonary veins where atrial fibrillation terminates before pulmonary vein isolation** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Navara, R., Leef, G., Shenasa, F., Kowalewski, C., Rogers, A. J., Meckler, G., Zaman, J. B., Baykaner, T., Park, S., Turakhia, M. P., Zei, P., Viswanathan, M., Wang, et al  
2018; 29 (5): 687–95
- **Cryoballoon Best Practices II: Practical guide to procedural monitoring and dosing during atrial fibrillation ablation from the perspective of experienced users.** *Heart rhythm*  
Su, W., Aryana, A., Passman, R., Singh, G., Hokanson, R., Kowalski, M., Andrade, J., Wang, P.  
2018
- **Retrospective review of Arctic Front Advance Cryoballoon Ablation: a multicenter examination of second-generation cryoballoon (RADICOOOL trial)** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Su, W., Orme, G., Hoyt, R., Baker, J., Compton, S., Fellows, C., Harding, J., Svinarich, J., Kowalski, M., Piedad, B., Kenigsberg, D., Seger, J., Ahmad, et al  
2018; 51 (3): 199–204
- **Cryoballoon Ablation for Atrial Fibrillation: a Comprehensive Review and Practice Guide** *KOREAN CIRCULATION JOURNAL*  
Jin, E., Wang, P. J.  
2018; 48 (2): 114–23
- **Independent mapping methods reveal rotational activation near pulmonary veins where atrial fibrillation terminates before pulmonary vein isolation.** *Journal of cardiovascular electrophysiology*  
Navara, R., Leef, G., Shenasa, F., Kowalewski, C., Rogers, A. J., Meckler, G., Zaman, J. A., Baykaner, T., Park, S., Turakhia, M. P., Zei, P., Viswanathan, M., Wang, et al  
2018
- **Geographic and racial representation and reported success rates of studies of catheter ablation for atrial fibrillation: Findings from the SMASH-AF meta-analysis study cohort.** *Journal of cardiovascular electrophysiology*  
Leef, G. C., Perino, A. C., Cluckey, A., Yunus, F. N., Askari, M., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2018
- **Clinical Implications of Ablation of Drivers for Atrial Fibrillation: A Systematic Review and Meta-Analysis.** *Circulation. Arrhythmia and electrophysiology*  
Baykaner, T. n., Rogers, A. J., Meckler, G. L., Zaman, J. n., Navara, R. n., Rodrigo, M. n., Alhusseini, M. n., Kowalewski, C. A., Viswanathan, M. N., Narayan, S. M., Clopton, P. n., Wang, P. J., Heidenreich, et al  
2018; 11 (5): e006119
- **Patient and facility variation in costs of catheter ablation for atrial fibrillation.** *Journal of cardiovascular electrophysiology*  
Perino, A. C., Fan, J. n., Schmitt, S. n., Kaiser, D. W., Heidenreich, P. A., Narayan, S. M., Wang, P. J., Chang, A. Y., Turakhia, M. P.  
2018
- **Identification and Characterization of Sites Where Persistent Atrial Fibrillation Is Terminated by Localized Ablation** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Zaman, J. B., Sauer, W. H., Alhusseini, M. I., Baykaner, T., Borne, R. T., Kowalewski, C. B., Busch, S., Zei, P. C., Park, S., Viswanathan, M. N., Wang, P. J., Brachmann, J., Krummen, et al  
2018; 11 (1): e005258
- **Ablation of Atrial Fibrillation Drivers** *ARRHYTHMIA & ELECTROPHYSIOLOGY REVIEW*  
Baykaner, T., Zaman, J. B., Wang, P. J., Narayan, S. M.  
2017; 6 (4): 195–201
- **Update to Practice Standards for Electrocardiographic Monitoring in Hospital Settings: A Scientific Statement From the American Heart Association** *CIRCULATION*  
Sandau, K. E., Funk, M., Auerbach, A., Barsness, G. W., Blum, K., Cvach, M., Lampert, R., May, J. L., McDaniel, G. M., Perez, M. V., Sendelbach, S., Sommargren, C. E., Wang, et al  
2017; 136 (19): E273–E344

- **The continuous challenge of AF ablation: From foci to rotational activity.** *Revista portuguesa de cardiologia : orgao oficial da Sociedade Portuguesa de Cardiologia = Portuguese journal of cardiology : an official journal of the Portuguese Society of Cardiology*  
Narayan, S. M., Vishwanathan, M. N., Kowalewski, C. A., Baykaner, T., Rodrigo, M., Zaman, J. A., Wang, P. J.  
2017; 36 Suppl 1: 9–17
- **Hybrid Atrial Fibrillation Ablation: Current Status and a Look Ahead.** *Circulation. Arrhythmia and electrophysiology*  
Khoynezhad, A., Ellenbogen, K. A., Al-Atassi, T., Wang, P. J., Kasirajan, V., Wang, X., Edgerton, J. R.  
2017; 10 (10)
- **Hybrid Atrial Fibrillation Ablation Current Status and a Look Ahead** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Khoynezhad, A., Ellenbogen, K. A., Al-Atassi, T., Wang, P. J., Kasirajan, V., Wang, X., Edgerton, J. R.  
2017; 10 (10)
- **Ablation of Focal Impulses and Rotational Sources: What Can Be Learned from Differing Procedural Outcomes?** *CURRENT CARDIOVASCULAR RISK REPORTS*  
Narayan, S. M., Rodrigo, M., Kowalewski, C. B., Shenasa, F., Meckler, G. L., Vishwanathan, M. N., Baykaner, T., Zaman, J. B., Wang, P. J.  
2017; 11 (9)
- **Treating Specialty and Outcomes in Newly Diagnosed Atrial Fibrillation From the TREAT-AF Study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Perino, A. C., Fan, J., Schmitt, S. K., Askari, M., Kaiser, D. W., Deshmukh, A., Heidenreich, P. A., Swan, C., Narayan, S. M., Wang, P. J., Turakhia, M. P.  
2017; 70 (1): 78–86
- **Predictive value of device-derived activity level for short-term outcomes in MADIT-CRT** *HEART RHYTHM*  
Jame, S., Kutayifa, V., Polonsky, B., McNitt, S., Al-Ahmad, A., Moss, A. J., Zareba, W., Wang, P. J.  
2017; 14 (7): 1081–86
- **Multicentre safety of adding Focal Impulse and Rotor Modulation (FIRM) to conventional ablation for atrial fibrillation.** *Europace*  
Krummen, D. E., Baykaner, T., Schricker, A. A., Kowalewski, C. A., Swarup, V., Miller, J. M., Tomassoni, G. F., Park, S., Viswanathan, M. N., Wang, P. J., Narayan, S. M.  
2017; 19 (5): 769-774
- **Effect of cardiac resynchronization therapy on the risk of ventricular tachyarrhythmias in patients with chronic kidney disease.** *Annals of noninvasive electrocardiology : the official journal of the International Society for Holter and Noninvasive Electrocardiology, Inc*  
Daimee, U. A., Biton, Y., Moss, A. J., Zareba, W., Cannom, D., Klein, H., Solomon, S., Ruwald, M. H., McNitt, S., Polonsky, B., Wang, P. J., Goldenberg, I., Kutayifa, et al  
2017; 22 (3)
- **Drivers of Persistent Atrial Fibrillation: Are Focal and Rotational Sites Transient or Stable Over Time?**  
Navara, R., Leef, G., Shenasa, F., Kowalewski, C., Baykaner, T., Rogers, A., Zaman, J., Park, H., Zei, P., Wang, P. J., Narayan, S. M.  
WILEY.2017: 606–7
- **What Explains Atrial Fibrillation Mechanisms at Sites Where Ablation Terminates Persistent Atrial Fibrillation Prior to Pulmonary Vein Isolation?**  
Navara, R., Meckler, G. L., Kowalewski, C. B., Shenasa, F., Baykaner, T., Zaman, U. B., Al-Husseini, M., Hossainy, S., Krummen, D., Brachmann, J., Viswanathan, M., Park, S., Turakhia, et al  
WILEY.2017: 607
- **Effect of cardiac resynchronization therapy on the risk of ventricular tachyarrhythmias in patients with chronic kidney disease** *ANNALS OF NONINVASIVE ELECTROCARDIOLOGY*  
Daimee, U. A., Biton, Y., Moss, A. J., Zareba, W., Cannom, D., Klein, H., Solomon, S., Ruwald, M. H., McNitt, S., Polonsky, B., Wang, P. J., Goldenberg, I., Kutayifa, et al  
2017; 22 (3)
- **Two Independent Mapping Techniques Identify Rotational Activity Patterns at Sites of Local Termination during Persistent Atrial Fibrillation.** *Journal of cardiovascular electrophysiology*  
Alhousseini, M., Vidmar, D., Meckler, G. L., Kowalewski, C., Shenasa, F., Wang, P. J., Narayan, S. M., Rappel, W.  
2017
- **Electrocardiographic spatial loops indicate organization of atrial fibrillation minutes before ablation-related transitions to atrial tachycardia.** *Journal of electrocardiology*  
Baykaner, T., Trikha, R., Zaman, J. A., Krummen, D. E., Wang, P. J., Narayan, S. M.

2017

- **Regional Longitudinal Deformation Improves Prediction of Ventricular Tachyarrhythmias in Patients With Heart Failure With Reduced Ejection Fraction: A MADIT-CRT Substudy (Multicenter Automatic Defibrillator Implantation Trial-Cardiac Resynchronization Therapy)** *CIRCULATION-CARDIOVASCULAR IMAGING*  
Biering-Sorensen, T., Knappe, D., Pouleur, A., Claggett, B., Wang, P. J., Moss, A. J., Solomon, S. D., Kutiyifa, V.  
2017; 10 (1)
- **Sex Differences in Inappropriate ICD Device Therapies: MADIT-II and MADIT-CRT.** *Journal of cardiovascular electrophysiology*  
Tompkins, C. M., McNitt, S., Polonsky, B., Daubert, J. P., Wang, P. J., Moss, A. J., Zareba, W., Kutiyifa, V.  
2017; 28 (1): 94-102
- **Myocardial bridging is associated with exercise-induced ventricular arrhythmia and increases in QT dispersion.** *Annals of noninvasive electrocardiology : the official journal of the International Society for Holter and Noninvasive Electrocardiology, Inc*  
Nishikii-Tachibana, M. n., Pargaonkar, V. S., Schnittger, I. n., Haddad, F. n., Rogers, I. S., Tremmel, J. A., Wang, P. J.  
2017
- **Spatial relationship of sites for atrial fibrillation drivers and atrial tachycardia in patients with both arrhythmias.** *International journal of cardiology*  
Baykaner, T. n., Zaman, J. A., Rogers, A. J., Navara, R. n., AlHusseini, M. n., Borne, R. T., Park, S. n., Wang, P. J., Krummen, D. E., Sauer, W. H., Narayan, S. M.  
2017; 248: 188–95
- **Effect of Significant Weight Change on Inappropriate Implantable Cardioverter-Defibrillator Therapy** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Daimie, U. A., Biton, Y., Aktas, M. K., Zannad, F., Klein, H., Szepietowska, B., Mcnitt, S., Polonsky, B., Wang, P. J., Zareba, W., Moss, A. J., Kutiyifa, V.  
2017; 40 (1): 9–16
- **Recurrent Post-Ablation Paroxysmal Atrial Fibrillation Shares Substrates With Persistent Atrial Fibrillation : An 11-Center Study.** *JACC. Clinical electrophysiology*  
Zaman, J. A., Baykaner, T. n., Clopton, P. n., Swarup, V. n., Kowal, R. C., Daubert, J. P., Day, J. D., Hummel, J. n., Schricker, A. A., Krummen, D. E., Mansour, M. n., Tomassoni, G. F., Wheelan, et al  
2017; 3 (4): 393–402
- **Safety and Clinical Outcomes of Catheter Ablation of Atrial Fibrillation in Patients With Chronic Kidney Disease** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Ullal, A. J., Kaiser, D. W., Fan, J., Schmitt, S. K., Than, C. T., Winkelmayer, W. C., Heidenreich, P. A., Piccini, J. P., Perez, M. V., Wang, P. J., Turakhia, M. P.  
2017; 28 (1): 39-48
- **Sex Differences in Inappropriate ICD Device Therapies: MADIT-II and MADIT-CRT** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Tompkins, C. M., McNitt, S., Polonsky, B., Daubert, J. P., Wang, P. J., Moss, A. J., Zareba, W., Kutiyifa, V.  
2017; 28 (1): 94-102
- **Overview of Balloon Approaches to AF Ablation Some Like it Hot?** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Wang, P. J.  
2016; 68 (25): 2758–60
- **Effectiveness and Safety of an Independently Run Nurse Practitioner Outpatient Cardioversion Program (2009 to 2014)** *AMERICAN JOURNAL OF CARDIOLOGY*  
Norton, L., Tsiperfal, A., Cook, K., Bagdasarian, A., Varady, J., Shah, M., Wang, P.  
2016; 118 (12): 1842-1846
- **Safety and Clinical Outcomes of Catheter Ablation of Atrial Fibrillation in Patients with Chronic Kidney Disease.** *Journal of cardiovascular electrophysiology*  
Ullal, A. J., Kaiser, D. W., Fan, J., Schmitt, S., Than, C. T., Winkelmayer, W. C., Heidenreich, P. A., Piccini, J. P., Perez, M. V., Wang, P. J., Turakhia, M. P.  
2016
- **Novel usage of the cryoballoon catheter to achieve large area atrial substrate modification in persistent and long-standing persistent atrial fibrillation** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Su, W. W., Alzubaidi, M., Tseng, R., Jebaily, N., Lin, Y., Wang, P. J.  
2016; 46 (3): 275-285
- **Bipolar left ventricular pacing is associated with significant reduction in heart failure or death in CRT-D patients with LBBB** *HEART RHYTHM*  
Jame, S., Kutiyifa, V., Aktas, M. K., McNitt, S., Polonsky, B., Al-Ahmad, A., Zareba, W., Moss, A., Wang, P. J.

2016; 13 (7): 1468-1474

- **Cost-Effectiveness of Percutaneous Closure of the Left Atrial Appendage in Atrial Fibrillation Based on Results From PROTECT AF Versus PREVAIL** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Freeman, J. V., Hutton, D. W., Barnes, G. D., Zhu, R. P., Owens, D. K., Garber, A. M., Go, A. S., Hlatky, M. A., Heidenreich, P. A., Wang, P. J., Al-Ahmad, A., Turakhia, M. P.  
2016; 9 (6)
- **Cost-Effectiveness of Percutaneous Closure of the Left Atrial Appendage in Atrial Fibrillation Based on Results From PROTECT AF Versus PREVAIL** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Freeman, J. V., Hutton, D. W., Barnes, G. D., Zhu, R. P., Owens, D. K., Garber, A. M., Go, A. S., Hlatky, M. A., Heidenreich, P. A., Wang, P. J., Al-Ahmad, A., Turakhia, M. P.  
2016; 9 (6)
- **Experiences and Perceived Needs of Patients Living with Atrial Fibrillation**  
Ottononi, L. K., Wang, P. J., Rehm, R.  
WILEY-BLACKWELL.2016: 654
- **Electrocardiographic Early Repolarization A Scientific Statement From the American Heart Association** *CIRCULATION*  
Patton, K. K., Ellinor, P. T., Ezekowitz, M., Kowey, P., Lubitz, S. A., Perez, M., Piccini, J., Turakhia, M., Wang, P., Viskin, S., Amer Heart Assoc  
Electrocardiogram, Council Clinical Cardiology, Council Functional Genomics Transl  
2016; 133 (15): 1520–29
- **Brain natriuretic peptide and the risk of ventricular tachyarrhythmias in mildly symptomatic heart failure patients enrolled in MADIT-CRT** *HEART RHYTHM*  
Medina, A., Moss, A. J., McNitt, S., Zareba, W., Wang, P. J., Goldenberg, I.  
2016; 13 (4): 852-859
- **Brain natriuretic peptide and the risk of ventricular tachyarrhythmias in mildly symptomatic heart failure patients enrolled in MADIT-CRT.** *Heart rhythm*  
Medina, A., Moss, A. J., McNitt, S., Zareba, W., Wang, P. J., Goldenberg, I.  
2016; 13 (4): 852-859
- **The precise timing of tachycardia entrainment is determined by the postpacing interval, the tachycardia cycle length, and the pacing rate: Theoretical insights and practical applications** *HEART RHYTHM*  
Kaiser, D. W., Hsia, H. H., Dubin, A. M., Liem, L. B., Viswanathan, M. N., Zei, P. C., Wang, P. J., Narayan, S. M., Turakhia, M. P.  
2016; 13 (3): 695-703
- **The precise timing of tachycardia entrainment is determined by the postpacing interval, the tachycardia cycle length, and the pacing rate: Theoretical insights and practical applications.** *Heart rhythm*  
Kaiser, D. W., Hsia, H. H., Dubin, A. M., Liem, L. B., Viswanathan, M. N., Zei, P. C., Wang, P. J., Narayan, S. M., Turakhia, M. P.  
2016; 13 (3): 695-703
- **MULTISPECTRAL IMAGING OF TISSUE ABLATION**  
Blasinski, H., Caves, J., Farrell, J., Wandell, B., Wang, P., IEEE  
IEEE.2016: 360–63
- **Sex Differences in Device Therapies for Ventricular Arrhythmias or Death in the Multicenter Automatic Defibrillator Implantation Trial With Cardiac Resynchronization Therapy (MADIT-CRT) Trial** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Tompkins, C. M., Kutyla, V., Arshad, A., McNitt, S., Polonsky, B., Wang, P. J., Moss, A. J., Zareba, W.  
2015; 26 (8): 862-871
- **Best practice guide for cryoballoon ablation in atrial fibrillation: The compilation experience of more than 3000 procedures** *HEART RHYTHM*  
Su, W., Kowal, R., Kowalski, M., Metzner, A., Svinarich, J. T., Wheelan, K., Wang, P.  
2015; 12 (7): 1658-1666
- **Feasibility of Extended Ambulatory Electrocardiogram Monitoring to Identify Silent Atrial Fibrillation in High-risk Patients: The Screening Study for Undiagnosed Atrial Fibrillation (STUDY-AF)** *CLINICAL CARDIOLOGY*  
Turakhia, M. P., Ullal, A. J., Hoang, D. D., Than, C. T., Miller, J. D., Friday, K. J., Perez, M. V., Freeman, J. V., Wang, P. J., Heidenreich, P. A.  
2015; 38 (5): 285-292



- **COST VARIATION AND ASSOCIATED OUTCOMES OF CATHETER ABLATION FOR ATRIAL FIBRILLATION**  
Perino, A., Fan, J., Schmitt, S., Chang, A. Y., Kaiser, D., Heidenreich, P., Swan, C., Narayan, S., Wang, P., Turakhia, M.  
ELSEVIER SCIENCE INC.2015: A277
- **Hybrid Epicardial and Endocardial Ablation of Atrial Fibrillation: Is Ablation on Two Sides of the Atrial Wall Better Than One?** *JOURNAL OF THE AMERICAN HEART ASSOCIATION*  
Wang, P. J.  
2015; 4 (3): e001893
- **The association between biventricular pacing and cardiac resynchronization therapy-defibrillator efficacy when compared with implantable cardioverter defibrillator on outcomes and reverse remodelling** *EUROPEAN HEART JOURNAL*  
Ruwald, A., Kutyla, V., Ruwald, M. H., Solomon, S., Daubert, J. P., Jons, C., Brenyo, A., McNitt, S., Duc Do, D., Tanabe, K., Al-Ahmad, A., Wang, P., Moss, et al  
2015; 36 (7): 440-448
- **The association between biventricular pacing and cardiac resynchronization therapy-defibrillator efficacy when compared with implantable cardioverter defibrillator on outcomes and reverse remodelling.** *European heart journal*  
Ruwald, A. C., Kutyla, V., Ruwald, M. H., Solomon, S., Daubert, J. P., Jons, C., Brenyo, A., McNitt, S., Do, D., Tanabe, K., Al-Ahmad, A., Wang, P., Moss, et al  
2015; 36 (7): 440-8
- **Highly skin-conformal microhairly sensor for pulse signal amplification.** *Advanced materials*  
Pang, C., Koo, J. H., Nguyen, A., Caves, J. M., Kim, M., Chortos, A., Kim, K., Wang, P. J., Tok, J. B., Bao, Z.  
2015; 27 (4): 634-640
- **Reduction of Iatrogenic Atrial Septal Defects with an Anterior and Inferior Transseptal Puncture Site when Operating the Cryoballoon Ablation Catheter.** *Journal of visualized experiments : JoVE*  
Rich, M. E., Tseng, A., Lim, H. W., Wang, P. J., Su, W. W.  
2015
- **Comparison of Age (<75 Years Versus >= 75 Years) to Risk of Ventricular Tachyarrhythmias and Implantable Cardioverter Defibrillator Shocks (from the Multicenter Automatic Defibrillator Implantation Trial With Cardiac Resynchronization Therapy)** *AMERICAN JOURNAL OF CARDIOLOGY*  
Aktas, M. K., Goldenberg, I., Moss, A. J., Huang, D. T., Kutyla, V., Wang, P. J., Brenyo, A., McNitt, S., Zareba, W., Barsheshet, A.  
2014; 114 (12): 1855-1860
- **Association Between Frequency of Atrial and Ventricular Ectopic Beats and Biventricular Pacing Percentage and Outcomes in Patients With Cardiac Resynchronization Therapy** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Ruwald, M. H., Mittal, S., Ruwald, A., Aktas, M. K., Daubert, J. P., McNitt, S., Al-Ahmad, A., Jons, C., Kutyla, V., Steinberg, J. S., Wang, P., Moss, A. J., Zareba, et al  
2014; 64 (10): 971-981
- **Association Between Success Rate and Citation Count of Studies of Radiofrequency Catheter Ablation for Atrial Fibrillation Possible Evidence of Citation Bias** *CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES*  
Perino, A. C., Hoang, D. D., Holmes, T. H., Santangeli, P., Heidenreich, P. A., Perez, M. V., Wang, P. J., Turakhia, M. P.  
2014; 7 (5): 687-692
- **Association between success rate and citation count of studies of radiofrequency catheter ablation for atrial fibrillation: possible evidence of citation bias.** *Circulation. Cardiovascular quality and outcomes*  
Perino, A. C., Hoang, D. D., Holmes, T. H., Santangeli, P., Heidenreich, P. A., Perez, M. V., Wang, P. J., Turakhia, M. P.  
2014; 7 (5): 687-692
- **Cardiac resynchronization therapy is associated with reductions in left atrial volume and inappropriate implantable cardioverter-defibrillator therapy in MADIT-CRT** *HEART RHYTHM*  
Slyngstad, T., Ruwald, A. H., Kutyla, V., McNitt, S., Polonsky, B., Solomon, S. D., Foster, E., Goldenberg, I., Wang, P. J., Klein, H., Zareba, W., Moss, A. J.  
2014; 11 (6): 1001-1007
- **A histological and mechanical analysis of the cardiac lead-tissue interface: implications for lead extraction.** *Acta biomaterialia*  
Rennert, R. C., Rustad, K., Levi, K., Harwood, M., Sorokin, M., Wong, V. W., Al-Ahmad, A., Zei, P., Hsia, H., Beygui, R. E., Norton, L., Wang, P., Gurtner, et al  
2014; 10 (5): 2200-2208
- **Shock-induced ventricular tachycardia: what is the mechanism?** *Pacing and clinical electrophysiology : PACE*  
Santangeli, P., Hsia, H. H., Wang, P. J., Al-Ahmad, A.

2014; 37 (4): 516-519

- **The Effect of Intermittent Atrial Tachyarrhythmia on Heart Failure or Death in Cardiac Resynchronization Therapy With Defibrillator Versus Implantable Cardioverter-Defibrillator Patients A MADIT-CRT Substudy (Multicenter Automatic Defibrillator Implantation Trial With Cardiac Resynchronization Therapy)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Ruwald, A., Pietrasik, G., Goldenberg, I., Kutiyifa, V., Daubert, J. P., Ruwald, M. H., Jons, C., McNitt, S., Wang, P., Zareba, W., Moss, A. J.  
2014; 63 (12): 1190-1197
- **Exercise capacity and paroxysmal atrial fibrillation in patients with hypertrophic cardiomyopathy.** *Heart*  
Azarbal, F., Singh, M., Finocchiaro, G., Le, V., Schnittger, I., Wang, P., Myers, J., Ashley, E., Perez, M.  
2014; 100 (8): 624-630
- **Accuracy Assessment of Catheter Guidance Technology in Electrophysiology Procedures: A Comparison of a New 3D-Based Fluoroscopy Navigation System to Current Electroanatomic Mapping Systems** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Bourier, F., Fahrig, R., Wang, P., Santangeli, P., Kurzidim, K., Strobel, N., Moore, T., Hinkel, C., Al-Ahmad, A.  
2014; 25 (1): 74-83
- **Decisional Balance among Potential Implantable Cardioverter Defibrillator Recipients: Development of the ICD-Decision Analysis Scale (ICD-DAS)** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Hazelton, A. G., Sears, S. F., Ford, J., Cahill, J., Nekkanti, R., DeAntonio, H., Ottoboni, L., Norton, L., Wang, P.  
2014; 37 (1): 63-72
- **Palpitations in a patient with a dual-chamber pacemaker: what is the mechanism?** *Heart rhythm*  
Santangeli, P., Tsiperfal, A., Wang, P. J., Al-Ahmad, A.  
2013; 10 (12): 1824-1825
- **The Relation Between Atrial and Ventricular Ectopic Beats, Biventricular Pacing Percentage, and Reverse Remodeling**  
Ruwald, M. H., Moss, A. J., Ruwald, A. H., Tanabe, K., Kutiyifa, V., Jons, C., McNitt, S., Al-Ahmad, A., Daubert, J. P., Wang, P. J., Zareba, W.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Novel Utilization of Cryoballoon for Ablation of Coumadin Ridge, Left and Right Atrial Appendage for Atrial Fibrillation**  
Whittington, W. W., Al-Zubaidi, M., Tseng, R., Wang, P., Su, W.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Second Generation Cryoballoon Ablation With Improved Freezing Results in Pulmonary Injury and Unexpected Late Adhesion**  
Whittington, W. W., Al-Zubaidi, M., Tseng, R., Wang, P., Su, W.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Safety and Effectiveness of Atrial Fibrillation Ablation Using the Arctic Front Advance Cryoballoon With Reduced Dosing**  
Al-Zubaidi, M., Whittington, W., Tseng, A., Wang, P., Su, W.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Prognostic Significance of Left Ventricular Lead Pacing Polarity in CRT-D Patients - A MADIT-CRT Substudy**  
Jame, S., Kutiyifa, V., McNitt, S., Al-Ahmad, A., Aktas, M., Zareba, W., Moss, A., Wang, P. J.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **The Influence of Percent Biventricular Pacing on CRT Efficacy Compared to ICD Therapy on Outcomes and Reverse Remodeling**  
Ruwald, A. H., Moss, A. I., Ruwald, M. H., Tanabe, K., Kutiyifa, V., Brenyo, A., Jons, C., McNitt, S., Daubert, J. P., Al-Ahmad, A., Wang, P. J., Zareba, W.  
LIPPINCOTT WILLIAMS & WILKINS.2013
- **PHLEBITIS IN AMIODARONE ADMINISTRATION: INCIDENCE, CONTRIBUTING FACTORS, AND CLINICAL IMPLICATIONS** *AMERICAN JOURNAL OF CRITICAL CARE*  
Norton, L., Ottoboni, L. K., Varady, A., Yang-Lu, C., Becker, N., Cotter, T., Pummer, E., Haynes, A., Forsey, L., Matsuda, K., Wang, P.  
2013; 22 (6): 498-505
- **Outcomes from a Postgraduate Biomedical Technology Innovation Training Program: The First 12 Years of Stanford Biodesign** *ANNALS OF BIOMEDICAL ENGINEERING*  
Brinton, T. J., Kurihara, C. Q., Camarillo, D. B., Pietzsch, J. B., Gorodsky, J., Zenios, S. A., Doshi, R., Shen, C., Kumar, U. N., Mairal, A., Watkins, J., Popp, R. L., Wang, et al  
2013; 41 (9): 1803-1810

- **Risk factors for atrial fibrillation and their population burden in postmenopausal women: the Women's Health Initiative Observational Study.** *Heart*  
Perez, M. V., Wang, P. J., Larson, J. C., Soliman, E. Z., Limacher, M., Rodriguez, B., Klein, L., Manson, J. E., Martin, L. W., Prineas, R., Connelly, S., Hlatky, M., Wassertheil-Smoller, et al  
2013; 99 (16): 1173-1178
- **ATP during charging: A failure of therapy?** *Heart rhythm*  
Santangeli, P., Tsiperfal, A., Wang, P. J., Al-Ahmad, A.  
2013; 10 (7): 1091-1093
- **Clinical significance of ventricular tachyarrhythmias in patients treated with CRT-D** *HEART RHYTHM*  
Kutyifa, V., Klein, H. U., Wang, P. J., McNitt, S., Polonsky, B., Zima, E., Merkely, B., Moss, A. J., Zareba, W.  
2013; 10 (7): 943-950
- **Frequency of Inappropriate Therapy in Patients Implanted with Dual- Versus Single-Chamber ICD Devices in the ICD Arm of MADIT-CRT** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Ruwald, A. H., Sood, N., Ruwald, M. H., Jons, C., Clyne, C. A., McNitt, S., Wang, P., Zareba, W., Moss, A. J.  
2013; 24 (6): 672-679
- **Drug screening using a library of human induced pluripotent stem cell-derived cardiomyocytes reveals disease-specific patterns of cardiotoxicity.** *Circulation*  
Liang, P., Lan, F., Lee, A. S., Gong, T., Sanchez-Freire, V., Wang, Y., Diecke, S., Sallam, K., Knowles, J. W., Wang, P. J., Nguyen, P. K., Bers, D. M., Robbins, et al  
2013; 127 (16): 1677-1691
- **Drug screening using a library of human induced pluripotent stem cell-derived cardiomyocytes reveals disease-specific patterns of cardiotoxicity.** *Circulation*  
Liang, P., Lan, F., Lee, A. S., Gong, T., Sanchez-Freire, V., Wang, Y., Diecke, S., Sallam, K., Knowles, J. W., Wang, P. J., Nguyen, P. K., Bers, D. M., Robbins, et al  
2013; 127 (16): 1677-1691
- **Dyssynchrony and the Risk of Ventricular Arrhythmias** *JACC-CARDIOVASCULAR IMAGING*  
Kutyifa, V., Pouleur, A., Knappe, D., Al-Ahmad, A., Gibinski, M., Wang, P. J., McNitt, S., Merkely, B., Goldenberg, I., Solomon, S. D., Moss, A. J., Zareba, W.  
2013; 6 (4): 432-444
- **DECLINE IN DEVICE-DERIVED ACTIVITY LEVEL IS A SHORT-TERM PROGNOSTIC PREDICTOR OF DEATH** *62nd Annual Scientific Session of the American-College-of-Cardiology*  
Jame, S., Polonsky, B., McNitt, S., Al-Ahmad, A., Moss, A., Zareba, W., Wang, P.  
ELSEVIER SCIENCE INC.2013: E658-E658
- **PAROXYSMAL ATRIAL FIBRILLATION IS ASSOCIATED WITH EXERCISE INTOLERANCE AMONG INDIVIDUALS WITH HYPERTROPHIC CARDIOMYOPATHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*  
Azarbal, F., Singh, M., Finocchiaro, G., Le, V., Schnittger, I., Wang, P., Myers, J., Perez, M., Ashley, E.  
ELSEVIER SCIENCE INC.2013: E1617-E1617
- **Effects of cardiac resynchronization therapy on left ventricular mass and wall thickness in mild heart failure patients in MADIT-CRT** *HEART RHYTHM*  
Kutyifa, V., Solomon, S. D., Bourgoun, M., Shah, A. M., Pouleur, A., Knappe, D., McNitt, S., Wang, P. J., Merkely, B., Pfeffer, M., Moss, A. J., Zareba, W.  
2013; 10 (3): 354-360
- **Differences and trends in stroke prevention anticoagulation in primary care vs cardiology specialty management of new atrial fibrillation: The Retrospective Evaluation and Assessment of Therapies in AF (TREAT-AF) study.** *American heart journal*  
Turakhia, M. P., Hoang, D. D., Xu, X., Frayne, S., Schmitt, S., Yang, F., Phibbs, C. S., Than, C. T., Wang, P. J., Heidenreich, P. A.  
2013; 165 (1): 93-101 e1
- **Differences and trends in stroke prevention anticoagulation in primary care vs cardiology specialty management of new atrial fibrillation: The Retrospective Evaluation and Assessment of Therapies in AF (TREAT-AF) study** *AMERICAN HEART JOURNAL*  
Turakhia, M. P., Hoang, D. D., Xu, X., Frayne, S., Schmitt, S., Yang, F., Phibbs, C. S., Than, C. T., Wang, P. J., Heidenreich, P. A.  
2013; 165 (1): 93-?
- **Left ventricular lead location and the risk of ventricular arrhythmias in the MADIT-CRT trial** *EUROPEAN HEART JOURNAL*  
Kutyifa, V., Zareba, W., McNitt, S., Singh, J., Hall, W. J., Polonsky, S., Goldenberg, I., Huang, D. T., Merkely, B., Wang, P. J., Moss, A. J., Klein, H.  
2013; 34 (3): 184-190

- **Effects of Postmenopausal Hormone Therapy on Incident Atrial Fibrillation The Women's Health Initiative Randomized Controlled Trials** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Perez, M. V., Wang, P. J., Larson, J. C., Virnig, B. A., Cochrane, B., Curb, J. D., Klein, L., Manson, J. E., Martin, L. W., Robinson, J., Wassertheil-Smoller, S., Stefanick, M. L.  
2012; 5 (6): 1108-1116
- **AF Ablation: Do You Need a Mapping System for Ablation?** *Cardiac electrophysiology clinics*  
Tanimoto, K., Wang, P. J., Al-Ahmad, A.  
2012; 4 (3): 375-81
- **Reduction in Life-Threatening Ventricular Tachyarrhythmias in Statin-Treated Patients With Nonischemic Cardiomyopathy Enrolled in the MADIT-CRT (Multicenter Automatic Defibrillator Implantation Trial with Cardiac Resynchronization Therapy)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Buber, J., Goldenberg, I., Moss, A. J., Wang, P. J., McNitt, S., Hall, W. J., Eldar, M., Barsheshet, A., Shechter, M.  
2012; 60 (8): 749-755
- **Abrupt bradycardia and grouped beating during treadmill testing: A mimic of upper rate behavior** *HEART RHYTHM*  
Woods, C. E., Friday, K., Wang, P., Turakhia, M. P.  
2012; 9 (7): 1165-1167
- **Incidence and clinical predictors of low defibrillation safety margin at time of implantable defibrillator implantation** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Cheng, Z., Turakhia, M., Lo, R., Gupta, A., Zei, P. C., Hsia, H. H., Al-Ahmad, A., Wang, P. J.  
2012; 34 (1): 93-100
- **EFFECTS OF POSTMENOPAUSAL HORMONE THERAPY ON INCIDENT ATRIAL FIBRILLATION: THE WOMEN'S HEALTH INITIATIVE RANDOMIZED CONTROLLED TRIALS** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*  
Perez, M. V., Wang, P., Larson, J., Virnig, B. A., Cochrane, B., Curb, D., Klein, L., Manson, J., Martin, L., Robinson, J., Wassertheil-Smoller, S., Stefanick, M.  
ELSEVIER SCIENCE INC.2012: E661-E661
- **Ability of microvolt T-wave alternans to modify risk assessment of ventricular tachyarrhythmic events: A meta-analysis** *AMERICAN HEART JOURNAL*  
Gupta, A., Hoang, D. D., Karliner, L., Tice, J. A., Heidenreich, P., Wang, P. J., Turakhia, M. P.  
2012; 163 (3): 354-364
- **Catheter ablation of atrial fibrillation: state-of-the-art techniques and future perspectives** *JOURNAL OF CARDIOVASCULAR MEDICINE*  
Santangeli, P., Di Biase, L., Burkhardt, D. J., Horton, R., Sanchez, J., Bai, R., Pump, A., Perez, M., Wang, P. J., Natale, A., Al-Ahmad, A.  
2012; 13 (2): 108-124
- **Procedural Complications, Rehospitalizations, and Repeat Procedures After Catheter Ablation for Atrial Fibrillation** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Shah, R. U., Freeman, J. V., Shilane, D., Wang, P. J., Go, A. S., Hlatky, M. A.  
2012; 59 (2): 143-149
- **Similar Patterns and Proportions of Ventricular Tachycardia Initiation With Pacing in Patients With CRT-D versus ICD**  
Chia, K. K., Myall, N., Al-Ahmad, A., Zareba, W., Moss, A. J., Wang, P. J.  
LIPPINCOTT WILLIAMS & WILKINS.2011
- **Cardiac Resynchronization Therapy Reduces Left Atrial Volume and the Risk of Atrial Tachyarrhythmias in MADIT-CRT (Multicenter Automatic Defibrillator Implantation Trial with Cardiac Resynchronization Therapy)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Brenyo, A., Link, M. S., Barsheshet, A., Moss, A. J., Zareba, W., Wang, P. J., McNitt, S., Huang, D., Foster, E., Estes, M., Solomon, S. D., Goldenberg, I.  
2011; 58 (16): 1682-1689
- **3D INTRACARDIAC ECHOCARDIOGRAPHY IN LEFT ATRIAL ABLATION** *Venice Arrhythmias Conference*  
Al Ahmad, A., Chia, K., Evans, J., Schoenhard, J., Harwood, M., Perez, M., Zei, P., Hsia, H., Wang, P.  
WILEY-BLACKWELL.2011: S43-S43
- **Intraprocedure Visualization of the Esophagus Using Interventional C-arm CT as Guidance for Left Atrial Radiofrequency Ablation** *ACADEMIC RADIOLOGY*  
Tognolini, A., Al-Ahmad, A., Wang, P. J., Hsia, H. H., Herfkens, R. J., Girard, E., Moore, T., Fahrig, R.  
2011; 18 (7): 850-857

- **Guidance for the Heart Rhythm Society Pertaining to Interactions with Industry Endorsed by the Heart Rhythm Society on April 26, 2011** *HEART RHYTHM*  
Lindsay, B. D., Asirvatham, S. J., Curtis, A. B., Gura, M. T., Hayes, D. L., Jalife, J., Klein, G. J., Knight, B. P., Lampert, R., Natale, A., Packer, D. L., Page, R. L., Scheinman, et al  
2011; 8 (7): E19-E23
- **Reverse Remodeling and the Risk of Ventricular Tachyarrhythmias in the MADIT-CRT (Multicenter Automatic Defibrillator Implantation Trial-Cardiac Resynchronization Therapy)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Barsheshet, A., Wang, P. J., Moss, A. J., Solomon, S. D., Al-Ahmad, A., McNitt, S., Foster, E., Huang, D. T., Klein, H. U., Zareba, W., Eldar, M., Goldenberg, I.  
2011; 57 (24): 2416-2423
- **Subcutaneous Implantable Cardioverter-Defibrillator Technology** *HEART FAILURE CLINICS*  
Gupta, A., Al-Ahmad, A., Wang, P. J.  
2011; 7 (2): 287-?
- **Effectiveness of Cardiac Resynchronization Therapy by QRS Morphology in the Multicenter Automatic Defibrillator Implantation Trial-Cardiac Resynchronization Therapy (MADIT-CRT)** *CIRCULATION*  
Zareba, W., Klein, H., Cygankiewicz, I., Hall, W. J., McNitt, S., Brown, M., Cannom, D., Daubert, J. P., Eldar, M., Gold, M. R., Goldberger, J. J., Goldenberg, I., Lichstein, et al  
2011; 123 (10): 1061-1072
- **Cost-Effectiveness of Dabigatran Compared With Warfarin for Stroke Prevention in Atrial Fibrillation** *ANNALS OF INTERNAL MEDICINE*  
Freeman, J. V., Zhu, R. P., Owens, D. K., Garber, A. M., Hutton, D. W., Go, A. S., Wang, P. J., Turakhia, M. P.  
2011; 154 (1): 1-U129
- **Cost-Effectiveness of Genetic Testing in Family Members of Patients With Long-QT Syndrome** *CIRCULATION-CARDIOVASCULAR QUALITY AND OUTCOMES*  
Perez, M. V., Kumarasamy, N. A., Owens, D. K., Wang, P. J., Hlatky, M. A.  
2011; 4 (1): 76-84
- **Dyssynchrony Assessment with Tissue Doppler Imaging and Regional Volumetric Analysis by 3D Echocardiography Do Not Predict Long-Term Response to Cardiac Resynchronization Therapy** *CARDIOLOGY RESEARCH AND PRACTICE*  
Kuppahally, S. S., Fowler, M. B., Vagelos, R., Wang, P., Al-Ahmad, A., Hsia, H., Liang, D.  
2011
- **A Novel Method for Patient-Specific QTc-Modeling QT-RR Hysteresis** *ANNALS OF NONINVASIVE ELECTROCARDIOLOGY*  
Hadley, D. M., Froelicher, V. F., Wang, P. J.  
2011; 16 (1): 3-12
- **Inappropriate Pacing in a Patient with Managed Ventricular Pacing: What Is the Cause?** *HEART RHYTHM*  
Perez, M. V., Al-Ahmad, A. A., Wang, P. J., Turakhia, M. P.  
2010; 7 (12)
- **Optical Control of Cardiomyocyte Depolarization and Inhibition Utilizing Channelrhodopsin-2 (ChR2) and a Third Generation Halorhodopsin (eNpHR3.0)**  
Park, S., Vijaykumar, R., Yock, P. G., Wang, P. J., Deisseroth, K.  
LIPPINCOTT WILLIAMS & WILKINS.2010
- **Cardiac Resynchronization Therapy Decreases the Risk of Ventricular Tachyarrhythmias in the MADIT-CRT Trial**  
Wang, P. J., Al-Ahmad, A., Evans, J., Turakhia, M., McNitt, S., Moss, A., Zareba, W.  
LIPPINCOTT WILLIAMS & WILKINS.2010
- **Time dependence of life-threatening ventricular tachyarrhythmias after coronary revascularization in MADIT-CRT** *HEART RHYTHM*  
Barsheshet, A., Goldenberg, I., Narins, C. R., Moss, A. J., McNitt, S., Wang, P. J., Huang, D. T., Hall, W. J., Zareba, W., Eldar, M., Guetta, V.  
2010; 7 (10): 1421-1427
- **Inappropriate pacing in a patient with managed ventricular pacing: What is the cause?** *HEART RHYTHM*  
Perez, M. V., Al-Ahmad, A. A., Wang, P. J., Turakhia, M. P.  
2010; 7 (9): 1336-1337

- **Factors Influencing Pacemaker Generator Longevity: Results from the Complete Automatic Pacing Threshold Utilization Recorded in the CAPTURE Trial** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Rosenthal, L. S., Mester, S., Rakovec, P., Penaranda, J., Sherman, J. R., Sheldon, T. J., Zeng, C., Wang, P., CAPTURE Trial Investigators  
2010; 33 (8): 1020–30
- **Left Atrial Appendage An Underrecognized Trigger Site of Atrial Fibrillation** *CIRCULATION*  
Di Biase, L., Burkhardt, J. D., Mohanty, P., Sanchez, J., Mohanty, S., Horton, R., Gallinghouse, G. J., Bailey, S. M., Zagrodzky, J. D., Santangeli, P., Hao, S., Hongo, R., Beheiry, et al  
2010; 122 (2): 109-U26
- **Periprocedural Stroke and Management of Major Bleeding Complications in Patients Undergoing Catheter Ablation of Atrial Fibrillation** *CIRCULATION*  
Di Biase, L., Burkhardt, J. D., Mohanty, P., Sanchez, J., Horton, R., Gallinghouse, G. J., Lakkireddy, D., Verma, A., Khaykin, Y., Hongo, R., Hao, S., Beheiry, S., Pelargonio, et al  
2010; 121 (23): 2550-2556
- **Measurement Precision in the Optimization of Cardiac Resynchronization Therapy** *CIRCULATION-HEART FAILURE*  
Turcott, R. G., Witteles, R. M., Wang, P. J., Vagelos, R. H., Fowler, M. B., Ashley, E. A.  
2010; 3 (3): 395-404
- **Finite element modeling of subcutaneous implantable defibrillator electrodes in an adult torso** *HEART RHYTHM*  
Jolley, M., Stinstra, J., Tate, J., Pieper, S., MacLeod, R., Chu, L., Wang, P., Triedman, J. K.  
2010; 7 (5): 692-698
- **The impact of statins and renin-angiotensin-aldosterone system blockers on pulmonary vein antrum isolation outcomes in post-menopausal females** *EUROPACE*  
Patel, D., Mohanty, P., Di Biase, L., Wang, Y., Shaheen, M. H., Sanchez, J. E., Horton, R. P., Gallinghouse, G. J., Zagrodzky, J. D., Bailey, S. M., Burkhardt, J. D., Lewis, W. R., Diaz, et al  
2010; 12 (3): 322-330
- **Outcomes and complications of catheter ablation for atrial fibrillation in females** *HEART RHYTHM*  
Patel, D., Mohanty, P., Di Biase, L., Sanchez, J. E., Shaheen, M. H., Burkhardt, J. D., Bassouni, M., Cummings, J., Wang, Y., Lewis, W. R., Diaz, A., Horton, R. P., Beheiry, et al  
2010; 7 (2): 167-172
- **Dyssynchrony Assessment with Tissue Doppler Imaging and Regional Volumetric Analysis by 3D Echocardiography Do Not Predict Long-Term Response to Cardiac Resynchronization Therapy.** *Cardiology research and practice*  
Kuppahally, S. S., Fowler, M. B., Vagelos, R., Wang, P., Al-Ahmad, A., Hsia, H., Liang, D.  
2010; 2011: 568918-?
- **Subcutaneous Implantable Cardioverter-Defibrillator Technology.** *Cardiac electrophysiology clinics*  
Gupta, A., Al-Ahmad, A., Wang, P. J.  
2009; 1 (1): 147–54
- **Left Atrial Appendage: An Underrecognized Trigger Site of Atrial Fibrillation** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Di Biase, L., Burkhardt, J. D., Horton, R., Sanchez, J., Bailey, S., Mohanty, P., Patel, D., Hao, S., Hongo, R., Behelry, S., Al-Ahamad, A., Wang, P., Casella, et al  
LIPPINCOTT WILLIAMS & WILKINS.2009: S690–S691
- **Periprocedural Stroke in Patients Undergoing Catheter Ablation of Atrial Fibrillation: The Impact of Periprocedural Therapeutic INR**  
Di Biase, L., Burkhardt, J., Horton, R., Sanchez, J., Gallinghouse, G., Bailey, S., Mohanty, P., Patel, D., Cummings, J. E., Schweikert, R. A., Lakkireddy, D., Verma, A., Hao, et al  
LIPPINCOTT WILLIAMS & WILKINS.2009: S658
- **Finite Element Modeling of Subcutaneous ICD Predicts Alternative Optimized Lead Configurations**  
Jolley, M. A., Stinstra, J., Pieper, S., Tate, J., Macleod, R., Wang, P., Triedman, J. K.  
LIPPINCOTT WILLIAMS & WILKINS.2009: S713–S714
- **Management of Pericardial Effusion During and After Ablation for Atrial Fibrillation in Patients Undergoing the Procedure With Therapeutic INR** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Di Biase, L., Burkhardt, J. D., Horton, R., Sanchez, J., Gallinghouse, G. J., Bailey, S., Mohanty, P., Patel, D., Schweikert, R. A., Cummings, J. E., Lakkireddy, D., Verma, A., Hao, et al

LIPPINCOTT WILLIAMS & WILKINS.2009: S658–S658

- **Effects of Postmenopausal Hormone Therapy on Atrial Fibrillation: The Women's Health Initiative Randomized Controlled Trials** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Perez, M., Wang, P. J., Cochrane, B., Curb, J. D., Klein, L., Larson, J., Manson, J., Martin, L. W., Robinson, J., Wassertheil-Smoller, S., Stefanick, M.  
LIPPINCOTT WILLIAMS & WILKINS.2009: S519–S519
- **Atrial Mechanical Function Using Left Atrial Pressure Waveform Analysis in Persistent and Paroxysmal Atrial Fibrillation Patients** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Cheng, Z., Lo, R., Gupta, A., Perez, M., Zei, P., Hsia, H. H., Turakhia, M., Al-Ahmad, A., Wang, P. J.  
LIPPINCOTT WILLIAMS & WILKINS.2009: S628–S628
- **Independent Clinical Correlates of Atrial Fibrillation in Postmenopausal Women: The Women's Health Initiative Observational Study** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*  
Perez, M., Wang, P. J., Klein, L., Connelly, S., Larson, J., Limacher, M., Manson, J., Martin, L. W., Prineas, R., Rodriguez, B. L., Smoller, S., Soliman, E., Stefanick, et al  
LIPPINCOTT WILLIAMS & WILKINS.2009: S520–S520
- **Electrocardiographic predictors of atrial fibrillation** *AMERICAN HEART JOURNAL*  
Perez, M. V., Dewey, F. E., Marcus, R., Ashley, E. A., Al-Ahmad, A. A., Wang, P. J., Froelicher, V. F.  
2009; 158 (4): 622-628
- **Visualizing ablation gaps in vitro using a deflectable fiber optic endocardial visualization catheter** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Irani, A. R., Lin, B., Eversull, C., Hsia, H. H., Zei, P. C., Wang, P. J., Al-Ahmad, A.  
2009; 25 (2): 107-110
- **"Low ejection fraction prophylaxis" with implantable defibrillators in the elderly: Call for a randomized trial?** *HEART RHYTHM*  
Turakhia, M. P., Wang, P. J.  
2009; 6 (8): 1144-1145
- **Worsening of Left Ventricular End-Systolic Volume and Mitral Regurgitation without Increase in Left Ventricular Dyssynchrony on Acute Interruption of Cardiac Resynchronization Therapy** *ECHOCARDIOGRAPHY-A JOURNAL OF CARDIOVASCULAR ULTRASOUND AND ALLIED TECHNIQUES*  
Kuppahally, S. S., Fowler, M. B., Vagelos, R., Wang, P., Al-Ahmad, A., Paloma, A., Liang, D.  
2009; 26 (7): 759-765
- **Prevention of phrenic nerve injury during epicardial ablation: Comparison of methods for separating the phrenic nerve from the epicardial surface** *HEART RHYTHM*  
Di Biase, L., Burkhardt, J. D., Pelargonio, G., Dello Russo, A., Casella, M., Santarelli, P., Horton, R., Sanchez, J., Gallinghouse, J. G., Al-Ahmad, A., Wang, P., Cummings, J. E., Schweikert, et al  
2009; 6 (7): 957-961
- **Direct Visualization of Cardiac Radiofrequency Ablation Lesions** *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*  
Eversull, C. S., Lin, B., Irani, A. R., Quigley, M. L., Mourlas, N. J., Hsia, H. H., Zei, P. C., Al-Ahmad, A., Wang, P. J.  
2009; 2 (2): 198-201
- **The Efficacy of Implantable Cardioverter-Defibrillators in Heart Transplant Recipients Results From a Multicenter Registry** *CIRCULATION-HEART FAILURE*  
Tsai, V. W., Cooper, J., Garan, H., Natale, A., Ptaszek, L. M., Ellinor, P. T., Hickey, K., Downey, R., Zei, P., Hsia, H., Wang, P., Hunt, S., Haddad, et al  
2009; 2 (3): 197-201
- **Atrial Fibrillation Ablation Strategies for Paroxysmal Patients Randomized Comparison Between Different Techniques** *CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY*  
Di Biase, L., Elayi, C. S., Fahmy, T. S., Martin, D. O., Ching, C. K., Barrett, C., Bai, R., Patel, D., Khaykin, Y., Hongo, R., Hao, S., Beheiry, S., Pelargonio, et al  
2009; 2 (2): 113-119
- **Relationship Between Catheter Forces, Lesion Characteristics, "Popping," and Char Formation: Experience with Robotic Navigation System** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Di Biase, L., Natale, A., Barrett, C., Tan, C., Elayi, C. S., Ching, C. K., Wang, P., Al-Ahmad, A., Arruda, M., Burkhardt, J. D., Wisnoskey, B. J., Chowdhury, P., De Marco, et al  
2009; 20 (4): 436-440

- **Statin Use and Ventricular Arrhythmias During Clinical Treadmill Testing** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Dewey, F. E., Perez, M., Hadley, D., Freeman, J. V., Wang, P., Ashley, E. A., Myers, J., Froelicher, V. F.  
2009; 20 (2): 193-199
- **A New Approach for ICD Rhythm Classification based on Support Vector Machines** *Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*  
Kamoussi, B., Tewfik, A., Lin, B., Al-Ahmad, A., Hsia, H., Zei, P., Wang, P.  
IEEE.2009: 2478–2481
- **Pulmonary-vein isolation for atrial fibrillation in patients with heart failure** *NEW ENGLAND JOURNAL OF MEDICINE*  
Khan, M. N., Jais, P., Cummings, J., Di Biase, L., Sanders, P., Martin, D. O., Kautzner, J., Hao, S., Themistoclakis, S., Fanelli, R., Potenza, D., Massaro, R., Wazni, et al  
2008; 359 (17): 1778-1785
- **Optimal Programming of ICDs for Prevention of Appropriate and Inappropriate Shocks.** *Current treatment options in cardiovascular medicine*  
Lo, R., Al-Ahmad, A., Hsia, H., Zei, P. C., Wang, P. J.  
2008; 10 (5): 408-416
- **Impedance cardiography is superior to echocardiographic methods for pacing interval optimization**  
Turcott, R. G., Witteles, R. M., Wang, P. J., Vagelos, R. H., Fowler, M. B., Ashley, E. A.  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2008: S65
- **Pacemaker alternans terminated by telemetry wand: What is the mechanism?** *HEART RHYTHM*  
Chun, H. J., Cook, K., Wang, P. J., Al-Ahmad, A.  
2008; 5 (7): 1080-1082
- **Genetics of Arrhythmia: Disease Pathways Beyond Ion Channels** *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*  
Perez, M. V., Wheeler, M., Ho, M., Pavlovic, A., Wang, P., Ashley, E. A.  
2008; 1 (2): 155-165
- **Time-resolved three-dimensional imaging of the left atrium and pulmonary veins in the interventional suite - A comparison between muttisweep gated rotational three-dimensional reconstructed fluoroscopy and multislice computed tomography** *HEART RHYTHM*  
Al-Ahmad, A., Wigstroem, L., Sandner-Porkristl, D., Wang, P. J., Zei, P. C., Boese, J., Lauritsch, G., Moore, T., Chan, F., Fahrig, R.  
2008; 5 (4): 513-519
- **Independent AV/VV pacing optimization requires operation along mechanical AV delay isochrones**  
Turcott, R. G., Witteles, R., Wang, P. J., Ashley, E. A.  
ELSEVIER SCIENCE INC.2008: A21
- **Visualizing ablation gaps in vitro using a deflectable fiber optic endocardial visualization catheter**  
Irani, A. R., Lin, B., Eversull, C., Wang, P. J., Al-Ahmad, A.  
ELSEVIER SCIENCE INC.2008: A8
- **Dynamic Time Warping: A novel algorithm for rhythm discrimination in ICDs**  
Kamoussi, B., Lin, B., Lee, G., Al-Ahmad, A., Hsia, H. H., Zei, P. C., Wang, P. J.  
ELSEVIER SCIENCE INC.2008: A14
- **A Covariance-Based Algorithm: A Novel Technique for Rhythm Discrimination in ICDs** *30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*  
Kamoussi, B., Lin, B., Al-Ahmad, A., Hsia, H., Zei, P., Natale, A., Moss, A., Daubert, J., Zareba, W., Wang, P.  
IEEE.2008: 5478–5481
- **Characterization of human coronary sinus valves by direct visualization during biventricular pacemaker implantation** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Anh, D. J., Eversull, C. S., Chen, H. A., Mofrad, P., Mourlas, N. J., Mead, R. H., Zel, P. C., Hsia, H. H., Wang, P. J., Al-Ahmad, A.  
2008; 31 (1): 78-82
- **Driving and implantable cardioverter-defibrillator shocks for ventricular arrhythmias** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Albert, C. M., Rosenthal, L., Calkins, H., Steinberg, J. S., Ruskin, J. N., Wang, P., Muller, J. E., Mittleman, M. A.  
2007; 50 (23): 2233-2240



- **The CREB leucine zipper regulates CREB phosphorylation, cardiomyopathy, and lethality in a transgenic model of heart failure** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*  
Huggins, G. S., Lepore, J. J., Greytak, S., Patten, R., McNamee, R., Aronovitz, M., Wang, P. J., Reed, G. L.  
2007; 293 (3): H1877–H1882
- **Cardiac device infections complicated by erosion** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Tsai, V., Chen, H., Hsia, H., Zei, P., Wang, P., Al-Ahmad, A.  
2007; 19 (2): 133-137
- **VF and fatal cardiac arrest following ICD therapy delivery: What is the cause?** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Mofrad, P. S., Ottoboni, L., Zei, P. C., Hsia, H. H., Wang, P. J., Amin-Al-Ahmad  
2007; 30 (4): 551-553
- **Initiation patterns of ventricular tachycardia determined from analysis of intracardiac electrograms in the MADIT II database**  
Kanagasundram, A. N., Daubert, J., Zareba, W., Hsia, H., Al Ahmad, A., Wang, P., Moss, A., Zei, P.  
ELSEVIER SCIENCE INC.2007: 22A–23A
- **The effect of gender on mortality or appropriate shock in patients with nonischemic cardiomyopathy who have implantable cardioverter-defibrillators** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Chen, H. A., Hsia, H. H., Vagelos, R., Fowler, M., Wang, P., Al-Ahmad, A.  
2007; 30 (3): 390-394
- **Inappropriate shock: A failure of SVT discriminators in a dual chamber ICD?** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Al-Ahmad, A., Tsiperfal, A., Hsia, H. H., Wang, P. J.  
2006; 29 (12): 1413-1415
- **Randomized controlled trial of pulmonary vein antrum isolation vs. AV node ablation with bi-ventricular pacing for treatment of atrial fibrillation in patients with congestive heart failure (PABA CHF)**  
Khan, M. N., Jais, P., Cummings, J., Sanders, P., Kautzner, J., Hao, S., Themistoclakis, S., Fanelli, R., Potenza, D., Wazni, O., Schweikert, R., Saliba, W., Wang, et al  
LIPPINCOTT WILLIAMS & WILKINS.2006: 2426
- **Episodes of anger trigger ventricular arrhythmias in patients with implantable cardioverter defibrillators** *79th Annual Scientific Session of the American-Heart-Association*  
Albert, C. M., Lampert, R., Conti, J. B., Chung, M. K., Wang, P. J., Muller, J. E., Mittleman, M. A.  
LIPPINCOTT WILLIAMS & WILKINS.2006: 831–31
- **Clinical study to investigate the accuracy of the "post-pacing interval" method to detect the optimal site for catheter ablation in patients with WPW syndrome as a typical model of macro-reentry**  
Azegami, K., Okishige, K., Wakimoto, H., Ohba, K., Zukeran, T., Uehara, H., Kurabayashi, M., Nakamura, K., Konishi, M., Hirao, K., Isobe, M., Wang, P. J.  
LIPPINCOTT WILLIAMS & WILKINS.2006: 602
- **Isolated giant cell myocarditis in the atrium: An incidental finding?** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Ahmad, I., Miller, D. C., Berry, G. J., Hsia, H. H., Wang, P. J., Al-Ahmad, A.  
2006; 29 (10): 1179-1180
- **Early human experience with use of a deflectable fiberoptic endocardial visualization catheter to facilitate coronary sinus cannulation** *HEART RHYTHM*  
Anh, D. J., Chen, H. A., Eversull, C. S., Mourlas, N. J., Mead, R. H., Liem, L. B., Hsia, H. H., Wang, P. J., Al-Ahmad, A.  
2006; 3 (8): 875-878
- **Left ventricular dyssynchrony does not deteriorate acutely on cessation of cardiac resynchronization therapy in long term responders** *10th Annual Scientific Meeting of the Heart-Failure-Society-of-America*  
Kuppahally, S., Fowler, M., Wang, P., Vagelos, R., Al-Ahmad, A., Paloma, A., Liang, D.  
CHURCHILL LIVINGSTONE INC MEDICAL PUBLISHERS.2006: S76–S76
- **Rate control - Is local better?** *CIRCULATION*  
Wang, P. J.  
2006; 113 (20): 2374–76
- **Improvement in quality of life after radiofrequency ablation** *PACE-PACING AND CLINICAL ELECTROPHYSIOLOGY*  
Hlatky, M. A., Wang, P.

2006; 29 (4): 341-342

- **Supraventricular tachycardia vs ventricular tachycardia: What is the rhythm** *HEART RHYTHM*  
Al-Ahmad, A., Tsiperfal, A., Hsia, H. H., Wang, P. J.  
2006; 3 (4): 490-491
- **Cryoablation of the pulmonary veins using a novel balloon catheter** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Garan, A., Al-Ahmad, A., Mihalik, T., Cartier, C., Capuano, L., Holtan, D., Song, C., Homoud, M. K., Link, M. S., Estes, N. A., Wang, P. J.  
2006; 15 (2): 79-81
- **Preserved heart rate variability identifies low-risk patients with nonischemic dilated cardiomyopathy: Results from the DEFINITE trial** *HEART RHYTHM*  
Rashba, E. J., Estes, N. A., Wang, P., Schaechter, A., Howard, A., Zareba, W., Couderc, J. P., Perkiomaki, J., Levine, J., Kadish, A., Defibrillators Non-Ischemic Invest  
2006; 3 (3): 281-86
- **Premature ventricular contractions causing pacemaker-mediated tachycardia: A failure of postventricular atrial refractory period after premature ventricular contraction extension?** *HEART RHYTHM*  
Witteles, R., Engel, G., Wang, P. J., Al-Ahmad, A.  
2005; 2 (12): 1389-1390
- **Delivery of antitachycardia pacing after a full-energy shock during the same ventricular tachycardia episode: Appropriate device function?** *HEART RHYTHM*  
Sirulnick, E., Tsiperfal, A., Wang, P. J., Al-Ahmad, A.  
2005; 2 (11): 1266-1267
- **Randomized controlled trial of pulmonary vein antrum isolation vs. AV node ablation with bi-ventricular pacing for treatment of atrial fibrillation in patients with congestive heart failure (PABA CHF)**  
Khan, M., Jais, P., Cummings, J. E., Sanders, P., Kautzner, J., Hao, S., Themistoclakis, S., Fanelli, R., Potenza, D., della Sofferenza, C. S., Belden, W., Wazni, O., Wang, et al  
LIPPINCOTT WILLIAMS & WILKINS.2005: U454
- **Addendum to the clinical competency statement: training pathways for implantation of cardioverter defibrillators and cardiac resynchronization devices (vol 1, pg 371, 2004)** *HEART RHYTHM*  
Day, J. D., Curtis, A. B., Epstein, A. E., Goldschlager, N. F., Olshansky, B., Reynolds, D. W., Wang, P. J.  
2005; 2 (10): 1161-63
- **Use of the implantable cardioverter-defibrillator in long-term survivors of orthotopic heart transplantation** *HEART RHYTHM*  
Ptaszek, L. M., Wang, P. J., Hunt, S. A., Valantine, H., Perloth, M., Al-Ahmad, A.  
2005; 2 (9): 931-933
- **Depression as a predictor for appropriate shocks among patients with Implantable cardioverter-defibrillators - Results from the Triggers of Ventricular Arrhythmias (TOVA) study** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*  
Whang, W., Albert, C. M., Sears, S. F., Lampert, R., Conti, J. B., Wang, P. J., Singh, J. P., Ruskin, J. N., Muller, J. E., Mittleman, M. A.  
2005; 45 (7): 1090-1095
- **T-wave abnormalities are a better predictor of cardiovascular mortality than ST depression on the resting electrocardiogram** *ANNALS OF NONINVASIVE ELECTROCARDIOLOGY*  
Beckerman, J., Yamazaki, T., Myers, J., Boyle, C., Chun, S., Wang, P., Froelicher, V.  
2005; 10 (2): 146-151
- **The clinical implications of cumulative right ventricular pacing in the Multicenter Automatic Defibrillator Trial II** *JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY*  
Steinberg, J. S., Fischer, A., Wang, P., Schuger, C., Daubert, J., McNitt, S., Andrews, M., Brown, M., Hall, W. J., Zareba, W., Moss, A. J., MADIT II Investigators  
2005; 16 (4): 359-65
- **Early experience with a computerized robotically controlled catheter system** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Al-Ahmad, A., Grossman, J. D., Wang, P. J.  
2005; 12 (3): 199-202
- **Atrial pacing above the sensor rate: What is the cause?** *HEART RHYTHM*  
Al-Ahmad, A., Tsiperfal, A., Wang, P. J.

2005; 2 (2): 210-211

- **Spatial QRS-T angle predicts cardiac death in a clinical population** *HEART RHYTHM*  
Yamazaki, T., Froelicher, V. F., Myers, J., Chun, S., Wang, P.  
2005; 2 (1): 73-78
- **Arrhythmia prevention and termination algorithms** *NEW ARRHYTHMIA TECHNOLOGIES*  
Engel, G., Wang, P. J., Al-Ahmad, A., Wang, P. J.  
2005: 178-86
- **Advances in catheter control devices** *NEW ARRHYTHMIA TECHNOLOGIES*  
Narayan, G., Wang, P. J., Al-Ahmad, A., Wang, P. J.  
2005: 257-61
- **New ICD indications** *NEW ARRHYTHMIA TECHNOLOGIES*  
Sirulnick, E., Al-Ahmad, A., Wang, P. J., Wang, P. J.  
2005: 219-29
- **Rhythm classification by correlation-waveform morphology analysis of atrial and ventricular electrogram signals** *Cardiostim 2004 Meeting*  
Saba, S., Qin, X., Ganz, L., Heggs, G., Clontz, R., Parkinson, D., Wang, P. J., Syed, Z. A.  
WILEY-BLACKWELL.2005: S54-S56
- **Implantable defibrillator sensing and discrimination algorithms** *NEW ARRHYTHMIA TECHNOLOGIES*  
Richardson, K., Al-Ahmad, A., Wang, P. J., Wang, P. J.  
2005: 163-77
- **Loss of biventricular pacing: What is the cause?** *HEART RHYTHM*  
Richardson, K., Cook, K., Wang, P. J., Al-Ahmad, A.  
2005; 2 (1): 110-111
- **Atrial fibrillation, sleep apnea and obesity** *NATURE CLINICAL PRACTICE CARDIOVASCULAR MEDICINE*  
Chung, M. K., Foldvary-Schaefer, N., Somers, V. K., Friedman, P. A., Wang, P. J.  
2004; 1 (1): 56-59
- **Electrocardiographic arrhythmia risk testing** *CURRENT PROBLEMS IN CARDIOLOGY*  
Engel, G., Beckerman, J. G., Froelicher, V. F., Yamazaki, T., Chen, H. A., Richardson, K., McAuley, R. J., Ashley, E. A., Chun, S., Wang, P. J.  
2004; 29 (7): 365-432
- **Cardiovascular screening of athletes** *CLINICAL JOURNAL OF SPORT MEDICINE*  
Beckerman, J., Wang, P., Hlatky, M.  
2004; 14 (3): 127-133
- **Heart failure and the risk of shocks in patients with implantable cardioverter defibrillators - Results from the Triggers of Ventricular Arrhythmias (TOVA) study** *CIRCULATION*  
Whang, W., Mittleman, M. A., Rich, D. Q., Wang, P. J., Ruskin, J. N., Tofler, G. H., Muller, J. E., Albert, C. M.  
2004; 109 (11): 1386-1391
- **Frequent ICD shocks due to double sensing in patients with bi-ventricular implantable cardioverter defibrillators** *JOURNAL OF INTERVENTIONAL CARDIAC ELECTROPHYSIOLOGY*  
Al-Ahmad, A., Wang, P. J., Homoud, M. K., Estes, N. A., Link, M. S.  
2003; 9 (3): 377-381
- **Cardiac arrhythmias in the athlete: the evolving role of electrophysiology.** *Current sports medicine reports*  
Link, M. S., Homoud, M. K., Wang, P. J., Estes, N. A.  
2002; 1 (2): 75-85
- **Advances in implantable cardioverter defibrillators** *CURRENT OPINION IN CARDIOLOGY*  
Swygman, C., Wang, P. J., Link, M. S., Homoud, M. K., Estes, N. A.  
2002; 17 (1): 24-28
- **ECG findings in active patients - Differentiating the benign from the serious** *PHYSICIAN AND SPORTSMEDICINE*

Estes, N. A., Link, M. S., Homoud, M., Wang, P. J.  
2001; 29 (3): 67-74

- **Cardiac arrhythmias in the athlete.** *Cardiology in review*

Link, M. S., Homoud, M. K., Wang, P. J., Estes, N. A.  
2001; 9 (1): 21-30

- **ANTITACHYCARDIA PACING AND LOW-ENERGY CARADIOVERSION FAR VENTRICULAR-TACHYCARDIA TERMINATION - A CLINICAL PERSPECTIVE** *Symposium on Electrical Device Therapy for Cardiac Arrhythmias: New Concepts, Problems, and Alternatives*

Estes, N. A., Haugh, C. J., Wang, P. J., Manolis, A. S.  
MOSBY-YEAR BOOK INC.1994: 1038-46