

Vijay Swarup, MD; FACC; FHRS
Curriculum Vitae

Office Address: Arizona Heart Rhythm Center
1848 E. Thomas Road, Suite 100
Phoenix, AZ 85016

Current Position: Medical Director, Arizona Heart Rhythm Center
Clinical Director, Heart Health Center
Director of Research, St Joseph's Hospital and Medical Center
Director, Arizona Arrhythmia Research Center
Arizona Cardiovascular Research Center
Member of Editorial Board:
Journal of Atrial Fibrillation
Innovations in Cardiac Rhythm Management

Previous Position: President, Arizona Electrophysiology Society
Cardiac Electrophysiologist; Arizona Arrhythmia Consultants
Director of Clinical Research, Arizona Arrhythmia Research
Director, EP research, Scottsdale Healthcare Hospitals
Medical Director, Abrazo Arizona Heart Hospital

Hospital Affiliation: St. Joseph's Hospital and Medical Center, Phoenix, AZ
Mercy Gilbert Medical Center, Gilbert, AZ
Chandler Regional Hospital, Chandler, AZ
Banner Boswell Medical Center, Sun City, AZ
Banner Desert Medical Center, Mesa, AZ

Post Graduate Training:

Fellowship: Clinical Cardiac Electrophysiology
Loyola University Medical Center, Chicago, IL
November 2001 – June 2002

Fellowship: Cardiovascular Disease
Thomas Jefferson University Hospital, Philadelphia, PA
July 1998 – June 2001

Residency: Internal Medicine
St. Louis University School of Medicine
June 1995 – June 1998

Internship: Internal Medicine
St. Louis University of Medicine
July 1994 – June 1995

Residency: Internal Medicine
M.A. Medical College, University of Delhi
July 1991 – June 1994

Education:

Medical School: M.A. Medical College, University of Delhi
New Delhi, India

Board Certifications: Diplomat, American Board of Internal Medicine
Subspecialty of Clinical Cardiac Electrophysiology: 2002 Diplomat,
American Board of Internal Medicine
Subspecialty of Cardiovascular Diseases: 2001
Diplomat, American Board of Internal Medicine: 1997

Medical Licensure: Arizona, June 2002 (Active)
Illinois, July 2001 (Expired)
Pennsylvania, March 1998 (Expired)
Missouri, July 1997 (Expired)

Societies: President, Arizona Electrophysiology Society
Fellow of Heart Rhythm Society
Fellow of American College of Cardiology
Member, American College of Physicians

Manuscripts/Abstracts:

- Acute Device-Related Thrombus after Watchman Device Implant. Muhammad Ajmal and Vijendra Swarup. Case Reports in Cardiology. doi.org/10.1155/2019/8397561 Volume 2019
- High Power Short Duration RFA Vs Conventional Low Power Ablation For AF, A Single Center Experience HRS S-PO02 Poster. 11 May 2019
- Left Atrial Appendage Transport Function Guided Discontinuation Of Anticoagulation After Successful Ablation Of Atrial Fibrillation: A Single Center Experience. HRS S-PO06. Poster. 11 May 2019
- Should Patients With Persistent Atrial Fibrillation Who Have Undergone Successful Ablation Procedure Undergo Assessment Of LAA Function Prior To Discontinuing Anticoagulation? Abstract submission: HRS B-PO03. Poster. 11 May 2018
- Device-related Thrombus After Left Atrial Appendage Closure With Watchman: Incidence, Predictors And Outcomes. HRS LBCT Sessions. 11 May 2018
- Use Of Decanav™ Biosense Webster Catheter For Esophageal Protection During Fluorless Atrial Fibrillation Ablation. Abstract submission: HRS B-PO04. Poster. 11 May 2018
- Feasibility, Safety and Efficacy of a Novel Pre-Shaped Nitinol Esophageal Deviator to Successfully Deflect the Esophagus and Ablate Left Atrium without Esophageal Temperature Rise during Atrial Fibrillation Ablation – The DEFLECT GUT study. Valay Parikh, Vijay Swarup, Jacob Hantla, Venkat Vuddanda, Tawseef Dar, Bharath Yarlagadda, Luigi Di Biase, Amin Al-Ahmad, Andrea Natale, Dhanunjaya Lakkireddy. Heart Rhythm. 18 April 2018.
- Outcomes of Junctional Ectopic Tachycardia Ablation in Adult Population: A Multicenter Experience. Tawseef Dar, Bharath Yarlagadda, Mohit Turagam, Vaishnavi Veerapaneni, Valay Parikh, Madhu Reddy, Donita Atkins, Sudharani Bommana, Luigi DiBiase, Vijay Swarup, Rakesh Gopinathannair,

Andrea Natale, Seth Sheldon, Dhanunjaya R.Lakkireddy. *Journal of the American College of Cardiology*. 10 March 2018. 71:11 A389

- Baroreflex activation therapy for the treatment of heart failure with reduced ejection fraction in patients with and without coronary artery disease. Marcel Halbach, William Abraham, Christian Butter, Anique Ducharme, Didier Klug, William Little, Hannes Reuter, Jill Schafer, Michele Senni, Vijay Swarup, Rolf Wachter, Fred Weaver, Seth Wilks, Michael Zile, Jochen Müller-Ehmsen. *International Journal of Cardiology*. 01 April 2018
- Device-Related Thrombus after Left Atrial Appendage Closure with Watchman for Stroke Prevention in Atrial Fibrillation: Incidence and Outcomes. Vivek Yerrapu Reddy, Saibal Kar, David Holmes, Shephal Doshi, Vijay Swarup, Douglas Gibson, Nicole Gordon, Michael Main. Abstract submission: ACC LBCT session. 07 December 2017
- Importance of anticoagulation and postablation silent cerebral lesions: subanalyses of REVOLUTION and reMARQable studies. Massimo Grimaldi MD PhD, Vijay Swarup MD, Brian DeVillie MD, Jonathan Sussman MD, Pierre Jaïs MD, Fiorenzo Gaita MD. *PACE*. 04 October 2017. 40:12, 1432-1439
- Multicentre safety of adding Focal Impulse and Rotor Modulation (FIRM) to conventional ablation for atrial fibrillation. Krummen DE, Baykaner T, Schricker AA, Kowalewski CA, Swarup V, Miller JM, Tomassoni GF, Park S, Viswanathan MN, Wang PJ, Narayan SM. *EP Europace*. 2017 May 1
- Recurrent post-ablation paroxysmal atrial fibrillation shares substrates with persistent atrial fibrillation: an 11-center study. Zaman JA, Baykaner T, Clopton P, Swarup V, Kowal RC, Daubert JP, Day JD, Hummel J, Schricker AA, Krummen DE, Mansour M. *JACC: Clinical Electrophysiology*. 2017 Apr 30
- Use of a pocket compression device for the prevention and treatment of pocket hematoma after pacemaker and defibrillator implantation (STOP-HEMATOMA-I). Turagam, Mohit K., Darbhamulla V. Nagarajan, Krzysztof Bartus, Akash Makkar, and Vijay Swarup. *Journal of Interventional Cardiac Electrophysiology*. 2017 Apr 17
- Watchman Device Associated Thrombi: A Novel Treatment Approach. Al-Qaisi SA, Ali M, Makkar A, Swarup V. *Journal of the American College of Cardiology*. 2017 Mar 1.
- Use Of An Esophageal Retractor To Prevent Thermal Injuries During Atrial Fibrillation Ablation: A Multi-Center Experience. Parikh, V., Lavu, M., Jazayeri, M.A., Vuddanda, V.L.K., Bommana, S., Atkins, D., Mohanty, M., Di Biase, L., Dendi, R., Makkar, A. and Swarup, V. *Journal of the American College of Cardiology*. 2017 Mar 1.
- Catheter Ablation for Atrial Fibrillation in Patients With Watchman Left Atrial Appendage Occlusion Device: Results from a Multicenter Registry. Turagam MK, Lavu M, Afzal MR, Vuddanda V, JAZAYERI MA, Parikh V, Atkins D, Bommana S, Di Biase L, Horton R, Bai R, Swarup V, Cheng J, Natale A, Lakkireddy D. J. *Journal of cardiovascular electrophysiology*. 2017 Feb 1
- Use of non-warfarin oral anticoagulants instead of warfarin during left atrial appendage closure with the Watchman device. Enomoto Y, Gadiyaram VK, Gianni C, Horton RP, Trivedi C, Mohanty S, Di Biase L, Al-Ahmad A, Burkhardt JD, Narula A, Janczyk G, Price MJ, Afzal MR, Atoui M, Earnest M, Swarup V, Doshi SK, van der Zee S, Fisher R, Lakkireddy DR, Gibson DN, Natale A, Reddy VY. *Heart Rhythm*. 2016 Oct 19
- Surgical Experience and Long-Term Results of Baroreflex Activation Therapy for Heart Failure With Reduced Ejection Fraction. Fred A. Weaver, William T. Abraham, William C. Little, Christian Butter, Anique Ducharme, Marcel Halbach, Didier Klug, Eric G. Lovett, NavidMadershahian, Jochen Müller-Ehmsen, Jill E. Schafer, Michele Senni, Vijay Swarup, Rolf Wachter, Michael R. Zile. *Seminars in Thoracic and Cardiovascular Surgery* 06/2016; DOI:10.1053/j.semtcvs.2016.04.017

- Role of Systemic Octreotide in Decreasing Recurrent Lower Gastrointestinal Bleeds Related to Arteriovenous Malformation in Patients on Systemic Oral Anticoagulation. Dhanunjaya R. Lakkireddy, OlyaeMojtaba, Donita Atkins, Sandia Iskandar, Muhammad Afzal, Courtney Jeffery, Rakesh Gopinathannair, Luigi Di Biase, Andrea Natale, Jie Cheng, Vijay Swarup. *Journal of the American College of Cardiology* 04/2016; 67(13). DOI:10.1016/S0735-1097(16)30664-7
- Safety of Left Atrial Appendage Closure in Patients with Low Ejection Fraction. Sameer Gafoor, Vivek Reddy, Jonathan Halperin, Shephal Doshi, Maurice Buchbinder, Petr Neuzil, Kenneth Huber, Brian Whisenant, Saibal Kar, Vijay Swarup, Mathew J. Price, David Holmes, Nicole Gordon, Horst Sievert.
- Endocardial (Watchman) versus Epicardial (Lariat) Left Atrial Appendage Exclusion Devices: Understanding the Differences in the Location and Type of Leaks and their Clinical Implications. Jayasree Pillarisetti, Yeruva Madhu Reddy, Sampath Gunda, Vijay Swarup, Randall Lee, Abdi Rasekh, Rodney Horton, Ali Massumi, Jie Cheng, Krzysztof Bartus, Nitish Badhwar, Frederick Han, Donita Atkins, Sudharani Bommana, Matthew Earnest, Jayant Nath, Ryan Ferrell, Steven Bormann, Buddhadeb Dawn, Luigi Di Biase, Moussa Mansour, Andrea Natale, Dhanunjaya Lakkireddy. *Heart rhythm: the official journal of the Heart Rhythm Society* 03/2015; 12(7). DOI:10.1016/j.hrthm.2015.03.020
- The role of rotors in atrial fibrillation. David E Krummen, Vijay Swarup, Sanjiv M Narayan. *Journal of Thoracic Disease* 02/2015; 7(2). DOI:10.3978/j.issn.2072-1439.2014.11.15
- Differences in complication rates between large bore needle and a long micropuncture needle during epicardial access: time to change clinical practice? Gunda S, Reddy M, Pillarisetti J, Atoui M, Badhwar N, Swarup V, Di Biase L, Mohanty S, Mohanty P, Nagaraj H, Ellis C, Rasekh A, Cheng J, Bartus K, Lee R, Natale A, Lakkireddy D. *Circ Arrhythm Electrophysiol*. 2015 Aug 8
- Baroreflex Activation Therapy for the Treatment of Heart Failure With a Reduced Ejection Fraction. William T. Abraham, Michael R. Zile, Fred A. Weaver, Christian Butter, Anique Ducharme, Marcel Halbach, Didier Klug, Eric G. Lovett, Jochen Müller-Ehmsen, Jill E. Schafer, Michele Senni, Vijay Swarup, Rolf Wachter, William C. Little. 05/2015; 128(6). DOI:10.1016/j.jchf.2015.02.006
- Percutaneous Left Atrial Appendage Closure vs Warfarin for Atrial Fibrillation A Randomized Clinical Trial. Vivek Y Reddy, Horst Sievert, Jonathan Halperin, Shephal K Doshi, Maurice Buchbinder, Petr Neuzil, Kenneth Huber, Brian Whisenant, Saibal Kar, Vijay Swarup, Nicole Gordon, David Holmes. *JAMA The Journal of the American Medical Association* 11/2014; 312(19). DOI:10.1001/jama.2014.15192
- Feasibility and Safety of Uninterrupted Rivaroxaban for Periprocedural Anticoagulation in Patients Undergoing Radiofrequency Ablation for Atrial Fibrillation. Dhanunjaya Lakkireddy, Yeruva Madhu Reddy, Luigi Di Biase, Ajay Vallakati, Moussa C. Mansour, Pasquale Santangeli, Sandeep Gangireddy, Vijay Swarup, Fadi Chalhoub, Donita Atkins, Sudharani Bommana, Atul Verma, Javier E. Sanchez, J. David Burkhardt, Conor D. Barrett, Salwa Baheiry, Jeremy Ruskin, Vivek Reddy, Andrea Natale. *Journal of the American College of Cardiology* 03/2014; 63(10). DOI:10.1016/j.jacc.2013.11.039
- Treatment and Risk factors associated with Left-Atrial Thrombus Formation After Placement of the Watchman Occlusion Device. Al-Qaisi S, Habib N, Bhatnagar S, Bhatnagar S, Hantla J, Makkar A, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ.
- How Much Bleeding Is Too Much? Two Case Reports of Successful Massive Pericardial Hemorrhage Management With Recommended Protocol. Hantla J, Makkar A, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ.
- Case Report: Premature Separation of Watchman Device From Core Wire Upon Deployment. Hantla J, Makkar A, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ.

- Heparin Resistance in Patients Receiving Direct Factor Xa Inhibitors. Hantla J, Makkar A, Cochran K, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ.
- Increased Esophageal Heat Transfer Observed During Radiofrequency Ablation With Irrigated Multi-Electrode Catheter Compared to Irrigated Single-Electrode Catheter. Hantla J, Makkar A, Cochran K, Rothwell C, Suverkrup K, Hinkle J, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ.
- Early use of SpectraneticsTightRail™ Rotating Mechanical Dilator Sheath as an adjunct to LASER for removal of aged CRM leads. Makkar A, Hantla J, Bhatnagar S, Bhatnagar S, Rothwell C, Suverkrup K, Hinkle J, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ, Rice University, Houston, TX, Washington University in St. Louis, St. Louis, MO.
- Higher incidence of inadvertent isolation of left atrial appendage after Vein of Marshall alcohol ablation. Makkar A, Hantla, J, Sachdeva, N, Bhatnagar S, Bhatnagar S, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ, University of Arizona, Tucson, AZ, Rice University, Houston, TX, Washington University in St Louis, St Louis, MO.
- Higher Success rate with Vein of Marshall ablation in treatment of post ablation recurrent Left atrial flutters. Makkar A, Hantla J, Sachdeva N, Jackson, C, Strumpf R, Jamal A, Swarup V. Arizona Heart Rhythm Center, Phoenix, AZ, University of Arizona, Tucson, AZ, Arizona Heart Hospital, Phoenix, AZ.
- Silent cerebral lesions (SCLs) post-ablation with open-irrigated multi-electrode radiofrequency catheters in paroxysmal atrial fibrillation (PAF) patients: results from a subpopulation of the REVOLUTION and reMARQable trials. Grimaldi M, Duytschaever M, Sussman J, Daoud EG, DeVille JB, Lakkireddy D, Horton R, Swarup V, Wickliffe A, Jais P.
- Baroreflex Activation Therapy for the Treatment of Heart Failure with a Reduced Ejection Fraction: Safety and Efficacy in Patients with and without Cardiac Resynchronization Therapy. Zile MR, Abraham WT, Weaver FA, Butter C, Ducharme A, Halbach M, Klug D, Lovett EG, Muller-Ehmsen J, Schafer JE, Senni M, Swarup V, Wachter R, Little WC. Eur J Heart Fail. 2015 Oct;17
- Silent Cerebral Lesions after Paroxysmal Atrial Fibrillation Ablation (PAF) with nMARQ™ Catheter: Interim Results from a Subpopulation of the reMARQable Trial. Grimaldi M, Daoud E, DeVille B, Lakkireddy D, Wickliffe A, Swarup V, Sussman J.
- Similarity of Substrates in Patients with Post-Ablation Recurrent Paroxysmal Atrial Fibrillation Versus Persistent Atrial Fibrillation: A 10-center Prospective study. Zaman JA, Swarup V, Kowal RC, Daubert JP, Day JD, Hummel JD, Krummen DE, Mansour M, Reddy VY, Wheelan KR, Narayan SM, Miller JM.
- Long-Term Freedom From Paroxysmal Atrial Fibrillation By Eliminating Localized Sources Without Pulmonary Vein Isolation. Narayan SM, Krummen DE, Donsky AS, Swarup V, Miller JM.
- Impact of Long Micropuncture Needle on Epicardial Access Related Complications – Time to Change the Large Bore Needle. Gunda S, Reddy M, Pillarisetti J, Koripalli S, Atoui M, Badhwar N, Swarup V, Di Biase L, Mohanty S, Mohanty P, Nagaraj H, Lakkireddy DR, Ellis CR, Lee RJ, Natale A.
- Radiofrequency Ablation for Atrial Fibrillation after Watchman Device Implantation. Zghouzi M, Pahuja M, Hensey N, Hantla J, Makkar A, Swarup V.
- Case Report: Unrecognized Tracheal Placement of Temperature Probe During Atrial Fibrillation Ablation. Hantla J, Makkar A, Ethel C, Swarup V.
- Preventing Phrenic Nerve Injury during Atrial Fibrillation Ablation. Makkar A, Zghouzi M, Pahuja M, Hantla J, Hensey N, Swarup V.
- Multicenter Procedural Safety for FIRM Ablation. Krummen DE, Baykaner T, Swarup V, Daubert JP, Miller HM, Tomassoni GF, Park S, Narayan SM, Vishwanathan M, Zei PC, Wang PJ.
- Suture Vasculature Closure Device for prevention of vascular complications after WATCHMAN DEVICE implant. Zghouzi M, Pahuja M, Hensey N, Rothwell C, Wheeler N, Makkar A, Swarup V.

- Stability of Rotors and Focal Sources for Human Atrial Fibrillation: Focal Impulse and Rotor Mapping (FIRM) of AF Sources and Fibrillatory Conduction. Vijay Swarup, Tina Baykaner, Armand Rostamian, James P. Daubert, John Hummel, David E Krummen, Rishi Trikha, John M Miller, Gery F. Tomassoni, Sanjiv M Narayan. *Journal of Cardiovascular Electrophysiology* 09/2014; 25(12). DOI:10.1111/jce.12559
- Initial Independent Outcomes from Focal Impulse and Rotor Modulation Ablation for Atrial Fibrillation. John M Miller, Robert C Kowal, Vijay Swarup, James P Daubert, Emile G Daoud, John D Day, Kenneth A Ellenbogen, John D Hummel, Tina Baykaner, David E Krummen, Sanjiv M Narayan, Vivek Y Reddy, KalyanamShivkumar, Jonathan S Steinberg, Kevin R Wheelan. *Multicenter FIRM Registry. Journal of Cardiovascular Electrophysiology* 06/2014; 25(9). DOI:10.1111/jce.12474
- Percutaneous Left Ventricular Assist Devices in Ventricular Tachycardia Ablation: A Multicenter Experience. Yeruva Madhu Reddy, Larry Chinitz, Moussa Mansour, T Jared Bunch, SrijoyMahapatra, Vijay Swarup, Luigi Di Biase, SudharaniBommana, Donita Atkins, Roderick Tung, KalyanamShivkumar, J David Burkhardt, Jeremy Ruskin, Andrea Natale, DhanunjayaLakkireddy. *Circulation Arrhythmia and Electrophysiology* 02/2014; 7(2). DOI:10.1161/CIRCEP.113.000548
- Left Atrial Appendage Ligation and Ablation For Persistent Atrial Fibrillation (LAALA-AF REGISTRY) Dhanunjaya R. Lakkireddy; Madhu Reddy; Arun Raghav Mahankali Sridhar; JayasreePillarisetti; Ryan Maybrook; ArunKanmanthareddy; Matthew Earnest; Vijay Swarup; Donita Atkins; SudharaniBommana; Jayant Nath; Ryan Ferrell; Buddhadeb Dawn. *JACC Volume 63, Issue 12_S, April 2014*
- Impact of Left Atrial Appendage Ligation Using Lariat on Atrial Arrhythmia Burden in Patients with Implantable Cardiac Devices. ArunKanmanthareddy, MD, Madhu Reddy, MD, Pramod Janga, MBBS, Ajay Vallakati, MD, Matthew Earnest, MD, Jayant Nath, MD, SudharaniBommana, MSc, Melissa Jaeger, RN, BSN..., HRS2014, San Francisco, CA – 5/10/2014. PO06-43
- Left Atrial Appendage Ligation and Ablation for Persistent Atrial Fibrillation Results of the LAALA-AF Registry. Dhanujaya R. Lakkireddy, MD, FHRS, Madhu Reddy, MD, Arun Raghav Mahankali Sridhar, MD, MPH, Matthew Earnest, MD, ArunKanmanthareddy, MD, Ryan J. Maybrook, MD, Jayasre..., HRS 2014, San Francisco. CA – 5/7/2014; PO01-123
- Left Atrial Appendage Ligation and Ablation for Persistent Atrial Fibrillation. Dhanunjaya R. Lakkireddy, Madhu Reddy, Arun Raghav Mahankali Sridhar, JayasreePillarisetti, Ryan Maybrook, ArunKanmanthareddy, Matthew Earnest, Vijay Swarup, Donita Atkins, SudharaniBommana, Jayant Nath, Ryan Ferrell, Buddhadeb Dawn. *Journal of the American College of Cardiology* 04/2014; 63(12-12_S). DOI:10.1016/S0735-1097(14)60390-9
- Differences In Leak Patterns And Clinical Implications Of Left Atrial Appendage Exclusion Using LARIAT And WATCHMAN Devices. Dhanunjaya R Lakkireddy, Madhu Reddy, ArunKanmanthareddy, Ajay Vallakati, Arun R Mahankali Sridhar, Pramod Janga, Nitish Badhwar, Randall Lee, Luigi Di Biase, Matthew Earnest, Andrea Natale, Vijay Swarup, Abdi Rasekh, KrzystofBartus, Moussa Mansour, Jeremy Ruskin. San Francisco, CA – 5/7/2014, PO01-125
- Similar Long-Term Freedom from Persistent or Paroxysmal Atrial Fibrillation after Ablation of Patient-Specific Rotors and Focal Sources: Multicenter FIRM Study. John M. Miller, MD, FHRS, Robert C. Kowal, MD, PhD, Vijay Swarup, MD, James P. Daubert, MD, FHRS, Emile G. Daoud, MD, FHRS, John D. Day, MD, FHRS, Kenneth A. Ellenboge..., HRS 2014, San Francisco, CA – 5/7/2014, PO01-127
- Acute Termination of Atrial Fibrillation Does Not Predict Long-Term Outcome After Rotor Elimination by Focal Impulse and Rotor Modulation (FIRM): Multicenter FIRM-AF Registry. Vijay

Swarup, MD, FHRS, Tina Baykaner, MD, David E. Krummen, MD, Sanjiv M. Narayan, MD, FHRS, KalyanamShivkumar, MD, PHD, FHRS, John M. Miller, MD, FHRS and Jonathan ..., HRS 2014, San Francisco, CA – 5/7/2014, PO01-152

- Long term efficacy of left atrial appendage closure with WATCHMAN device. S. Kar, S. Doshi, V. Swarup, K. Tucker, B. Whisenant, R. Horton, V. Reddy, M. Buchbinder, H. Sievert, D. Holmes. *European Heart Journal* 08/2013; 34(suppl 1). DOI:10.1093/eurheartj/eh309.3762
- Significance of Peri-device Leaks after Watchman Device Implant in Patients with Atrial Fibrillation. Vijay Swarup, MD, FHRS, Mohammed Baqdunes, MD, Nikhita Sachdeva, No Degree, Imran R. Sheikh, MD, Nitin Patel, MD, Wendy Schwoegler, BSc, Peter Masci, BSc and Nicholas ..., HRS 2013, Denver, CO – 5/8/2013, PO01-124
- Baroreflex Activation Therapy for the Treatment of Heart Failure with a Reduced Ejection Fraction: Safety and Efficacy in Patients with and without Cardiac Resynchronization Therapy: BAT for HFREF with and without CRT. Michael R. Zile, William T. Abraham, Fred A. Weaver, Christian Butter, Anique Ducharme, Marcel Halbach, Didier Klug, Eric G. Lovett, Jochen Müller-Ehmsen, Jill E. Schafer, Michele Senni, Vijay Swarup, Rolf Wachter, William C. Little. *European Journal of Heart Failure* 05/2013; 17(10). DOI:10.1002/ejhf.299
- Quality of Life Assessment in the Randomized PROTECT AF (Percutaneous Closure of the Left Atrial Appendage Versus Warfarin Therapy for Prevention of Stroke in Patients With Atrial Fibrillation) Trial of Patients at Risk for Stroke With Nonvalvular Atrial Fibrillation. Oluseun Alli, Shepal Doshi, Saibal Kar, Vivek Reddy, Horst Sievert, Chris Mullin, Vijay Swarup, Brian Whisenant, David Holmes Jr. *Journal of the American College of Cardiology* 04/2013; 61(17). DOI:10.1016/j.jacc.2013.01.061
- Impact of Colchicine on Post Procedural Pericardial Inflammation and Pain after LARIAT Left Atrial Appendage Ligation. Ajay Vallakati, MBBS, Pramod Janga, MBBS, Madhu Reddy, MD, Jayanth Nath, MD, Ryan Ferrell, MD, Steven Freeman, MD, Vijay Swarup, MD, Wissam Baduke, MD, Nithish Badhwar..., HRS 2013, Denver, CO – 5/11/2013, PO06-75
- Focal Impulse and Rotor Modulation (FIRM) At a Stable Right Atrial Rotor Converts Persistent Atrial Fibrillation to Reentrant Atrial Tachycardia at the Same Location: Direct Evidence for Fibrillatory Conduction. Vijay Swarup, MD, FHRS, Ruchir Sehra, MD, Imran Sheikh, MD, Robert Strumpf, MD, Cindy Ethel, RN, Suzy Welch, RN and Carla Bruning, PA., HRS 2013, Denver, CO – 5/10/2013, PO05-185
- Identification of Stable Atrial Fibrillation Rotors for FIRM Ablation Requires Good Electrode Contact For High Electrogram Fidelity. Vijay Swarup, MD, FHRS, James Daubert, MD, John Day, MD, Kenneth Ellenbogen, MD, John Hummel, MD, Robert Kowal, MD, David Krummen, MD, John Miller, MD, Sanjiv M. Naray..., HRS 2013, Denver, CO – 5/10/2013, PO05-77
- Localized Focal Impulse and Rotor Modulation (FIRM) Terminates Atrial Fibrillation into Micro-Reentry, Residual Atrial Tachycardia or Sinus Rhythm: A Unifying Mechanistic Hypothesis. Robert C. Kowal, MD, PhD, FHRS, Roderick Tung, MD, PhD, FHRS, James Daubert, MD, PhD, FHRS, John Day, MD, PhD, FHRS, Kenneth Ellenbogen, MD, PhD, FHRS, John Hummel, MD..., HRS 2013, Denver, CO – 5/10/2013, AB33-06
- Results of Focal Impulse and Rotor Modulation (FIRM) for Atrial Fibrillation Are Equivalent Between Patients Treated in San Diego Compared with Sites New to FIRM Ablation: An Extended Multi-center Experience. Robert C. Kowal, MD, PhD, FHRS, James Daubert, MD, PhD, FHRS, John Day, MD, PhD, FHRS, Kenneth Ellenbogen, MD, PhD, FHRS, John Hummel, MD, PhD, FHRS, David E. Krummen, ..., HRS 2013, Denver, CO – 5/10/2013, MP03-1

- Stable Atrial Fibrillation Rotors and Focal Sources Lie in Diverse Bi-Atrial Locations Often Remote from the Pulmonary Veins. Vijay Swarup, MD, FHRS, James Daubert, MD, John Day, MD, Kenneth Ellenbogen, MD, John Hummel, MD, Robert Kowal, MD, David Krummen, MD, John Miller, MD, Sanjiv M. Naray..., HRS 2013, Denver, CO – 5/10/2013, AB34-05
- Uninterrupted Rivaroxaban vs. Warfarin for Peri-Procedural Anticoagulation during Atrial Fibrillation Ablation: A Multicenter Experience. Dhanujaya R. Lakkireddy, MD, FHRS, Madhu Reddy, MD, FHRS, Vijay Swarup, MD, FHRS, WisamBakdunes, MD, FHRS, Moussa Mansour, MD, FHRS, FadiChaloub, MD, FHRS, Jeremy Ru..., HRS 2013, Denver, CO – 5/10/2013, AB33-01
- Atrial Fibrillation Sources Targeted for Focal Impulse and Rotor Modulation (FIRM) Are Stable in Location for Thousands of Cycles. Vijay Swarup, MD, FHRS, David Krummen, MD, John Miller, MD, Sanjiv M. Narayan, MD, PHD, FHRS, RuchirSehra, MD and KalyanamShivkumar, MD, PhD., HRS 2013, Denver, CO – 5/9/2013, Special Session, AF Summit 2013
- Comparison of Left Atrial Appendage Patency after Left Atrial Appendage Exclusion with an Occlusion vs. Ligation Device. Madhu Reddy, MD, Ajay Vallakati, MD, Pramod Janga, MBBS, Hemant Boolani, MD, Donita Atkins, RN, Nitish Badhwar, MD, Randall Lee, MD, Luigi Di Biase, MD, Matthew Earnes..., HRS 2013, Denver, CO – 5/8/2013, PO01-74
- Predictors of Severe Left Atrial Scarring in Patients with Paroxysmal Atrial Fibrillation: Unveiling a New Syndrome of Atriomyopathy. Madhu Reddy, MD, Luigi Di Biase, MD, Ajay Vallakati, MD, Vijay Swarup, MD, Linda Umbarger, MD, WisamBakdunes, MD, SudharaniBommana, MS, Donita Atkins, RN, Andrea Nat..., HRS 2013, Denver, CO – 5/8/2013, PO01-122.
- Long Term Results Of Protect AF: The Mortality Effects of Left Atrial Appendage Closure Versus Warfarin for Stroke Prophylaxis in AF. Vivek Reddy, MD, Shephal Doshi, MD, Horst Sievert, MD, Maurice Buchbinder, MD, Petr Neuzil, MD, Kenneth Huber, MD, Saibal Kar, MD, Jonathan Halperin, MD, Brian Whisen..., HRS 2013, SP21. Late-Breaking Clinical Trials I Denver, CO – 5/9/2013
- LAA Closure With the Watchman Device A Review of Techniques and Clinical Studies. ArunKanmanthareddy, MD; Yeruva Madhu Reddy, MD; JayasreePillariseti, MD; Vijay Swarup, MD; and DhanunjayaLakkireddy, MD
- Treatment of Paroxysmal Atrial Fibrillation by Targeted Elimination of Stable Rotors and Focal Sources without Pulmonary Vein Isolation: The Precise Rotor Elimination without Concomitant Pulmonary Vein Isolation for Subsequent Elimination of PAF (PRECISE) Trial. Sanjiv Narayan, MD, PHD, FHRS, David Krummen, MD, Alan Donsky, MD, Vijay Swarup, MD, GeryTomassoni, MD and John Miller, MD, FHRS, HRS 2013, Late-Breaking Clinical Trials SP21. Late-Breaking Clinical Trials I, Denver CO – 5/9/2013
- Effect of Endoepicardial Percutaneous Left Atrial Appendage Ligation (LARIAT) on Arrhythmia Burden in Patients with Atrial Fibrillation. Dhanunjaya R. Lakkireddy, Matthew Earnest, Pramod Janga, Madhu Reddy, Ajay Vallakati, Jayant Nath, Ryan Ferrell, Steven Freeman, Nitish Badhwar, Randall Lee, Luigi Di Biase, Andrea Natale, Vijay Swarup. Journal of the American College of Cardiology 03/2013; 61(10). DOI:10.1016/S0735-1097(13)60385-X
- Percutaneous Left Atrial Appendage Closure for Stroke Prophylaxis in Patients with Atrial Fibrillation: 2.3-Year Follow-up of the PROTECT AF (Watchman Left Atrial Appendage System for Embolic Protection in Patients with Atrial Fibrillation) Trial. Reddy VY Doshi SK Sievert H Buchbinder M Neuzil P Huber K Halperin JL Holmes D, Circulation – 2013 Feb 12
- Reduction in Inappropriate Therapy and Mortality through ICD Programming. Moss AJ Schuger C Beck CA Brown MW Cannom DS Daubert JP Estes NA 3rd Greenberg H Hall WJ Huang DT Kautzner J Klein H McNitt S Olshansky B Shoda M Wilber..., N Engl J Med – 2012 Dec 13

- Reducing Radiation Exposure in the EP Lab; Vijay Swarup, MD, FHRS, EP Lab Digest: Volume 13 – Issue 11 – November 2013
- Postprocedural neuropathy after atrial fibrillation ablation. Yeruva Madhu Reddy, Dhssraj Singh, VineelaChikkam, SudharaniBommana, Donita Atkins, Atul Verma, Vijay Swarup, Yariv Khaykin, Srinivas Nalamachu, Mamatha Pasnoor, DhanunjayaLakkireddy. Journal of Interventional Cardiac Electrophysiology 12/2012; 36(3). DOI:10.1007/s10840-012-9724-z
- Graded Effect Left Ventricular Ejection Fraction on Outcomes of Ventricular Tachycardia Ablation: A Multicenter Experience. Madhu Reddy, MD, Moussa Mansour, MD, Hemant Boolani, MD, Luigi DiBiase, MD, PhD, FHRS, David Burkhardt, MD, KalyanamShivkumar, MD, PhD, FHRS, Raghuvveer Dendi, MD, Don..., Heart Rhythm Vol. 9 No. 8 – 8/2012
- Atrial Fibrillation Ablation in Patients with Left Atrial Appendage Occlusion Device. Madhu Reddy, MD, Hemant Boolani, MD, Vijay Swarup, MD, Jared Bunch, MD, John Day, MD, Shephal Doshi, MD, Luigi Dibiasse, MD, PhD, FHRS, Rong Bai, MD, Rodney Horton, MD,..., Heart Rhythm Vol. 9 No. 8 – 8/2012
- Impact of Low Left Ventricular Ejection Fraction on Mortality after Ventricular Tachycardia Ablation. Madhu Reddy, Moussa Mansour, FadiChalhoub, Luigi Di Biase, Roderick Tung, Vijay Swarup, SrijoyMahapatra, Thomas Bunch, Larry Chinitz, Hemant Boolani, NamrathaReddy,..., Journal of the American College of Cardiology; Vol. 59, No. 13 – 3/27/2012
- Impact of Low Left Ventricular Ejection Fraction on Mortality after Ventricular Tachycardia Ablation: A Multicenter Experience. Madhu Reddy, Moussa Mansour, FadiChalhoub, Luigi Di Biase, Roderick Tung, Vijay Swarup, SrijoyMahapatra, Thomas Bunch, Larry Chinitz, Hemant Boolani, Namratha Reddy, SudharaniBommana, Donita Atkins, Raghuvveer Dendi, KalyanamShivkumar, Andrea Natale, Jeremy Ruskin, DhanunjayaLakkireddy. Journal of the American College of Cardiology 03/2012; 59(13). DOI:10.1016/S0735-1097(12)60628-7
- Role of Percutaneous Left Ventricular Assist Devices in Unstable Ventricular Arrhythmia Ablation. Madhu Reddy, SrijoyMahapatra, Moussa Mansour, Thomas Jared Bunch, Vijay Swarup, Larry Chinitz, Luigi Di Biase, Hemant Boolani, JayasreePillarsetti, Namratha Reddy, SudharaniBommana, Donita Atkins, Raghuvveer Dendi, Andrea Natale, DhanunjayaLakkireddy. Journal of the American College of Cardiology 03/2012; 59(13). DOI:10.1016/S0735-1097(12)60627-5
- Radiofrequency Ablation of Premature Ventricular Ectopy Improves the Efficacy of Cardiac Resynchronization Therapy in Nonresponders. DhanunjayaLakkireddy, Luigi Di Biase, Kay Ryschon, Mazda Biri, Vijay Swarup, Yeruva Madhu Reddy, Atul Verma, SudharaniBommana, David Burkhardt, Raghuvveer Dendi, Antonio Dello Russo, Michela Casella, CorradoCarbucicchio, Claudio Tondo, Buddhadeb Dawn, Andrea Natale. Journal of the American College of Cardiology 10/2012; 60(16). DOI:10.1016/j.jacc.2012.06.035
- Feasibility and Safety of Dabigatran Versus Warfarin for Periprocedural Anticoagulation in Patients Undergoing Radiofrequency Ablation for Atrial Fibrillation Results From a Multicenter Prospective Registry. DhanunjayaLakkireddy, Yeruva Madhu Reddy, Luigi Di Biase, Subba Reddy Vanga, Pasquale Santangeli, Vijay Swarup, Rhea Pimentel, Moussa C Mansour, Andre D'Avila, Javier E Sanchez, J David Burkhardt, FadiChalhoub, Prasant Mohanty, James Coffey, Naushad Shaik, George Monir, Vivek Y Reddy, Jeremy Ruskin, Andrea Natale. Journal of the American College of Cardiology 01/2012; 59(13). DOI:10.1016/j.jacc.2011.12.014
- Subgroup Analysis of a Randomized Controlled Trial Evaluating the Safety and Efficacy of Cardiac Contractility Modulation in Advanced Heart Failure. Abraham WT Nademanee K Volosin K Krueger S

Neelagaru S Raval N Obel O Weiner S Wish M Carson P Ellenbogen K Bourge R Parides M Chiacchierini RP Goldsmith..., J Card Fail – 2011 Sep

- Comparison of Antiarrhythmic Drug Therapy and Radiofrequency Catheter Ablation in Patients with Paroxysmal Atrial Fibrillation: A Randomized Controlled Trial. Wilber DJ Pappone C Neuzil P De Paola AMarchlinski F Natale A Macle L Daoud EG Calkins H Hall B Reddy V Augello G Reynolds MR Vinekar C Liu CY Berry SM..., JAMA – 2010 Jan 27
- Percutaneous Closure of the Left Atrial Appendage versus Warfarin Therapy for Prevention of Stroke in Patients with Atrial Fibrillation: A Randomized Non-Inferiority Trial. Holmes DR Reddy VY Turi ZG Doshi SK Sievert H Buchbinder M Mullin CM Sick P, Lancet – 2009 Aug 15
- A Randomized Controlled Trial to Evaluate the Safety and Efficacy of Cardiac Contractility Modulation in Patients with Systolic Heart Failure: Rationale, Design, and Baseline Patient Characteristics. Abraham WT Burkhoff D Nademanee K Carson P Bourge R Ellenbogen KA Parides M Kadish A, Am Heart J – 2008 Oct
- Acute and Long-Term Efficacy and Safety of Catheter Cryoablation of the Cavotricuspid Isthmus for Treatment of Type 1 Atrial Flutter. Feld GK Daubert JP Weiss R Miles WM Pelkey W, Heart Rhythm – 2008 Jul
- Hypersensitive Carotid Sinus Syndrome Due to Neurofibromatosis-1 and Manifested by Repeated Episodes of Syncope. Jessica A Sutherland, Paul Stobie, Vijay Swarup, Sean P Tierney, Albert C Lin, Martin C Burke. Pacing and Clinical Electrophysiology 12/2004; 27(11). DOI:10.1111/j.1540-8159.2004.00680.x
- Ablation of Atrial Fibrillation Rotors and Focal Sources Improves Outcome Over Conventional Ablation Alone in Independent Laboratories: Multicenter Validation of Focal Impulse and Rotor Modulation (FIRM). John M Miller; David E Krummen; Paul Clopton; John D Day; James P Daubert; Kenneth A Ellenbogen; John D Hummel; Robert C Kowal; Moussa C Mansour; Vivek Y Reddy; KalyanamShivkumar; Jonathan S Steinberg; Vijay Swarup; Kevin R Wheelan; Sanjiv M Narayan. Abstract 16890 Circulation
- Prevalence of Fragmented QRS Complexes in Non-Ischemic Dilated Cardiomyopathy Patients and Long Term Prognosis. Subba Reddy Vanga; Scott Koerber; Luigi DiBiase; Atul Verma; SudharaniBommana; Vijay Swarup; Andrea Natale; Buddhadeb Dawn; DhanunjayaLakkireddy Circulation Abstract 20836
- Hypersensitive Carotid Sinus Syndrome due to Neurofibromatosis 1 and Manifested by Repeated Episodes of Syncope. Jessica Sutherland, Paul Stobie, Vijendra Swarup, Sean Tierney, Albert Lin, Martin Burke, PACE; 27;1571-73 – 2004
- Persistent vs Paroxysmal Atrial Fibrillation: Similar Outcomes Following Segmental Lasso Guided Pulmonary Vein Isolation. Joseph B Morton, Albert C Lin, Vijendra Swarup, Sean P Tierney, John J Cai, Martin C Burke, Paul Stobie, Mauricio S Arruda, David J Wilber, PACE, Vol 26, No 4, Part II, pp. 1096 – 4/2003
- Impact of Early Atrial Fibrillation Recurrence Post Segmental Pulmonary Vein Isolation upon Long-Term Arrhythmia Free Status. Joseph B Morton, Albert C Lin, Vijendra Swarup, Sean P Tierney, John J Cai, Martin C Burke, Paul Stobie, Mauricio S Arruda, David J Wilber, PACE, Vol 26, No 4, Part II, pp. 1008 – 4/2003
- The Common Left Pulmonary Vein: Intracardiac Ultrasound Characteristics and Impact upon Pulmonary Vein Isolation. Joseph B. Morton, Vijendra Swarup, Paul Stobie Sean Tierney, Albert Lin, Mauricio Arruda, Martin Burke, David J. Wilber, American College of Cardiology Vol 41, No 6 – 3/2003

- Ablation of Epicardial Macroreentrant Ventricular Tachycardia Associated with Idiopathic Nonischemic Dilated Cardiomyopathy by a Percutaneous Transthoracic Approach. Swarup, V., Morton, J. B., Arruda, M., Wilber, D. J., J Cardiovasc Electrophysiol – 2002 Nov
- Postinfarction Ventricular Tachycardia: Outcome of Catheter Ablation Guided by Substrate Mapping compared to Entrainment Mapping. Vijendra Swarup, Martin C Burke, Mauricio Arruda, Koji Azegami, Albert C Lin, Paul Stobie, David J Wilber, PACE, Vol 25, No 4, Part II, pp. 533 – 4/2002
- Electrocardiographic Criteria for Predicting Site of Origin of Right Ventricular Outflow Tract Tachycardia: Validation Using Electroanatomical Mapping. Paul Stobie, Raluca C Rosca-Sichitiu, Koji Azegami, Martin C Burke, Albert C Lin, Michael Alberts, Vijendra Swarup, David J Wilber, PACE, Vol 25, No 4, Part II, pp. 532 – 4/2002
- Circumferential Ablation of Pulmonary Vein Ostia Using Different Energy Sources: Determinants of Permanent Isolation. Mauricio Arruda, Koji Azegami, Zhong Wang, Robert Anders, Martin Burke, Albert Lin, Vijendra Swarup, Paul Stobie, David Wilber, PACE, Vol 25, No 4, Part II, pp. 709 – 4/2002
- Analysis of Potential Location of Reentrant Circuit Exit Sites in Patients with Postinfarction Ventricular Tachycardia Using Electroanatomical Imaging. Koji Azegami, David J. Wilber, Mauricio S. Arruda, , Martin C. Burke, Albert C. Lin, Vijendra Swarup, PACE, Vol 25, No 4, Part II, pp. 591 – 4/2002
- Four Vessel Pulmonary Vein Isolation Guided by Intra-Cardiac Echocardiography without Contrast Venography in Patients with Drug Refractory Paroxysmal Atrial Fibrillation. Vijendra Swarup, Koji Azegami, Mauricio S. Arruda, Martin C. Burke, Albert C. Lin, David J. Wilber, Journal of American College of Cardiology Vol 39, No 5 (supplement A), 114 A,859-6 – 3/2002
- Circumferential Ultrasound Ablation of Pulmonary Vein Ostia: Relationship between Ablation Time and Lesion Formation. Koji Azegami, Mauricio S. Arruda, Robert Anders, Zhong Wang, Martin Burke, Albert Lin, Vijendra Swarup, David J. Wilber, Journal of American College of Cardiology Vol 39, No 5 (supplement A), 106 A,1137-117 – 3/2002
- Perioperative Left Atrial Dysfunction Predicts Postoperative Atrial Fibrillation. Vijendra Swarup, Anthony G. Scott, James T. Fitzpatrick, Arnold Greenspon, Joel S. Raichlen, Circulation, Vol. 102, No 18, II-662 – 10/2000
- Risk of Post-Operative Hemorrhage associated with Ticlopidine or Clopidogrel use prior to Coronary Artery Bypass Grafting. Vijendra Swarup, Charles J. Oh, Richard Edie, David L. Fischman and Michael P. Savage, Circulation, Vol. 102, No 18, II-648 – 10/2000
- Detection of Myocardial Ischemia Using Additional Left Posterior and Right Precordial Leads During Exercise Electrocardiography. Vijendra Swarup, Neal Skop, Joel S. Raichlen, Journal of American College of Cardiology Vol 35, No 2 (supplement A), 210 A – 2/2000
- Cost-Effectiveness of Preoperative Screening with Dipyridamole Stress Myocardial Perfusion Imaging before Renal Transplantation Surgery. Vijendra Swarup, Liva T Younis, D Douglas Miller, Circulation, Vol. 94, No 8, I-60 – 10/1996