

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
*United States (853)				
Country Leader David J. Maron, MD Regional Leader for VA Sites William E. Boden, MD				
	Kreton Mavromatis, MD Jason Linefsky, MD	John Doan, MD Raven Lee, CCRP Risha Patel	Decatur, GA	Atlanta VA Medical Center (139)
	Todd Miller, MD	So Yang Cho Susan Milbrandt Dawn Shelstad	Rochester, MN	Mayo Clinic (50)
	Subhash Banerjee, MD	Preeti Kamath, BDS, MHA, CCRP Ishita Tejani, BDS, MS, MSPH	Dallas, TX	V.A. North Texas Health Care System (35)
	Harmony R. Reynolds, MD Jonathan D. Newman, MD, MPH Sripal Bangalore, MD Robert M. Donnino, MD Lawrence M. Phillips, MD Muhamed Saric, MD, PhD	Stanley E. Cobos, BA Kirsten J. Quiles, MS Raven R. Dwyer, MPH Dalisa Espinosa, MBS	New York, NY	NYU Langone Medical Center-Bellevue Hospital (26)
	Khaled Abdul-Nour, MD	Allison Schley, BS Heather Golden	Detroit, MI	Henry Ford Health System (21)
	Peter H. Stone, MD	Hermine Osseni, MS Charlene Wiyarand Peter Douglass, BA Hayley Pomeroy, BA Alexandra Craft, BA Bethany Harvey, BA	Boston, MA	Brigham & Women's Hospital, Harvard Medical School (21)
	James J. Jang, MD Gennie Yee, MD	Olivia Anaya Phoebe Goold, RN	San Jose, CA	Kaiser Permanente San Jose (18)
	Steven Weitz, MD	Steven Giovannone Lori Pritchard, RN	Schenectady, NY	Cardiology Associates of Schenectady P.C. (17)
	Suzanne Arnold, MD James Henry O'Keefe, Jr, MD (PI from 2012-2016)	Rosann Gans, RN Paul Kennedy, RN	Kansas City, MO	Saint Luke's Hospital (17)
	Michael D. Shapiro, DO	Shobana Ganesan, PhD David Schlichting, LPN Aynun Naher	Portland, OR	Oregon Health & Science University (17)
	Mohammad El-Hajjar, MD Mandeep S. Sidhu, MD, MBA Steven A. Fein, MD Mikhail T. Torosoff, MD, PhD Radmila Lyubarova, MD Sulagna Mookherjee, MD Krzysztof Drzymalski, MD	Wendy L. Stewart, MS Kristin M. Salmi, BS	Albany, NY	Albany Medical Center Hospital (16)
	Edward O. McFalls, MD, PhD Santiago A. Garcia, MD Stefan C. Bertog, MD Rizwan A. Siddiqui, MD Areef Ishani, MD Ronnell A. Hansen, MD	Debra K. Johnson, RN Rebekah R. Herrmann, RN	Minneapolis, MN	Minneapolis VAMC (15)
	Michel Georges Khouri, MD	Kristine Arges Melissa LeFevre Jennifer Tomfohr	Durham, NC	Duke University Medical Center (15)
	Jonathan L. Goldberg, MS, MD	Kimberly Ann Byrne Taissa Zappernick	Cleveland, OH	Louis Stokes Cleveland Veterans Affairs Medical Center (14)
	Richard Goldweit, MD	Sallie Canada Meghana Kakade Patricia Mieses	Englewood, NJ	Englewood Hospital and Medical Center (13)
	Ronny A. Cohen, MD Brooks Mirrer, MD Victor Navarro, MD	Stanley E. Cobos, BA Raven R. Dwyer, MPH Dalisa Espinosa, MBS Kirsten J. Quiles, MS Magdalena Rantinella, BS Jessica Rodriguez, BS Olivia Mancilla, BS	Brooklyn, NY	NYU-HHC Woodhull Hospital (12)
	David E. Winchester, MD, MS	Susan Stinson, RN	Gainesville, FL	Malcom Randall VAMC (11)
	Marvin Kronenberg, MD Philip Rogal, MD Christopher McFarren, MD	Terry Weyand Sherron C. Crook	Nashville, TN	Vanderbilt University Medical Center (11)
	John F. Heitner, MD	Jean Ho Saadat Khan Mahmoud Mohamed	Brooklyn, NY	New York -Presbyterian/Brooklyn Methodist Hospital (10)
	Ira M. Dauber, MD	Mary R. Soltau, RN Delsa K. Rose, RN Rebecca J. Wimmer, RN Kathy E. Siegel, RN Susan Derbyshire	Littleton, CO	South Denver Cardiology Associates, P.C. (10)
	Charles Cannan, MD	Michelle Dixon Gerald Leonard	Portland, OR	Providence Heart and Vascular Institute (10)
	Sriram Sudarshan, MD	Ciarra Heard, LVN Viviana Gabriel, LVN Sukie Desire	Wichita Falls, TX	Wichita Falls Heart Clinic (9)
	Puja K. Mehta, MD Michael McDaniel, MD Stamatiou Lerakis, MD Arshed Quyyumi, MD Nanette K. Wenger, MD	Fauzia Rashid, PhD Senait Asier Keyur Patel	Atlanta, GA	Emory University (9)
	Chester M. Hedgepeth, MD, PhD Heather Hurlburt, MD Alan Rosen, MD	Jennifer Gillis, APRN Megan Manocchia, RN Susan Moore, RN Elizabeth Congdon	Warwick, RI	Kent Hospital (9)
	Zakir Sahul, MD	Gail Brandt Nora Marchelletta Kristina Wippler	Ypsilanti, MI	Michigan Heart, PC (9)
	David Booth, MD Steve Leung, MD Ahmed Abdel-Latif, MD, PhD Hassan Reda, MD Khaled Ziada, MD	Yvonne Taul, RN Jennifer Isaacs, MS Viktoria Bulkley, RN Caroline Rodgers	Lexington, KY	University of Kentucky (8)
	Sampoornima Setty, MD	Kimberly E. Halverson, RHIT Christine Roraff, RN Jonean Thorsen, RN	La Crosse, WI	Gundersen Lutheran Medical Center (8)
	Rajat S. Barua, MD, PhD	Amarachi Ojajumi Oni Olurinde Kamalakar Surineni	Kansas City, MO	Kansas City VA Medical Center (8)
	Fadi Hage, MD Christiano Caldeira, MD James E. Davies, MD Massoud Leesar, MD Jaekyeong Heo, MD	Badhma Valaiyapathi, MD	Birmingham, AL	UAB Vascular Biology and Hypertension Program (8)

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	Amy Iskandrian, MD Firas Al Solaiman, MD Satinder Singh, MD Khaled Daiani, MD	Carol M. Kartje, BSN	Maywood, IL	Loyola University Medical Center (8)
	Mohammad El-Hajjar, MD Paul Der Mesropian, MD Joseph Sacco, MD Brian McCandless, MD Marisa Orgera, MD Mandeep S. Sidhu, MD, MBA (2012-2016)	Michele Rawlins, NP Jennifer Thomson, MA	Albany, NY	Samuel Stratton VA Medical Center of Albany NY (7)
	Imran Arif, MD Hanan Kerr, MD	Mary Colleen Rogge, RN Julie Bunke, BA Kendra Unterbrink, PA Jacqueline Fannon, RN Cynthia Burman, NP	Cincinnati, OH	Cincinnati VA Medical Center (7)
	Jorge F. Trejo (Gutierrez), MD Gerald Fletcher, MD Gary E. Lane, MD Lynn M. Neeson, DNP Pragnesh P. Parikh, MD Peter M. Pollak, MD Brian P. Shapiro, MD Kevin Landolfo, MD	Marcia F. Dubin, CCRP	Jacksonville, FL	Mayo Clinic Florida (7)
	Anthony Gemignani, MD Daniel O'Rourke, MD	Sarah Beaudry, RN	White River Junction, VT	VAMC-White River Junction (7)
	Judith L. Meadows, MD	Stephanie A. Tirado, RN Janet Halliday Pamela Julian	West Haven, CT	VA Connecticut Healthcare System (7)
	Jason T. Call, MD	Stephanie, M. Lane, RN, BSN, CCRN Jennifer L. Stanford, RN, MSN	Winchester, VA	Winchester Cardiology and Vascular Medicine, PC (7)
	Joseph Hannan, MD Robert Bojar, MD Deepthi Kumar, MD John Mukai, MD	Patricia Arsenaault, RN Pamela Sigel, RN	Worcester, MA	Saint Vincent Hospital at Worcester Medical Center (7)
	Edward T. Martin, MS, MD	Miriam Brooks	Tulsa, OK	Oklahoma Heart Institute (7)
	Gabriel Vorobiof, MD	Ladda Douangvila Rubine Gevorgyan	Los Angeles, CA	Ronald Reagan UCLA Medical Center (7)
	Alec Moorman, MD	Fatima Ranjbaran, RN Bryn Smith, BS Carly Ohmart	Seattle, WA	University of Washington Medical Center (7)
	Scott Kinlay, MBBS, PhD Robert J. Hamburger, MD Thomas P. Rocco, MD Deepak L. Bhatt, MD, MPH Kevin Croce, MD, PhD Jacquelyn A. Quin, MD Jati Anumpa, MD Marco Zenati, MD, MSc David P. Faxon, MD	Samantha Ly, MA Margot C. Quinn, BA Sara Temiyasathit, PhD Jacquelyn Do, MPH Desiree Tobin, MPH	West Roxbury, MA	VA Boston Healthcare System (6)
	Glenn Rayos, MD	Jennifer Langdon Marcia Werner Bayer	Daytona Beach, FL	Daytona Heart Group (6)
	Ashraf Seedhom, MD Lance Sullenberger, MD	Amanda O'Malley Erin Orvis	Albany, NY	Capital Cardiology Associates (6)
	Gregory Kumkumian, MD	Mandy Murphy, RN Ann Greenberg, RN Margaret Iraola, RN	Bethesda, MD	NIH Heart Center at Suburban Hospital (6)
	Steven P. Sedlis, MD Robert M. Donnino, MD Jeffrey Lorin, MD Jacqueline E. Tamis-Holland, MD	Leandro C. Maranan, CCRC	New York, NY	VA New York Harbor Health Care System (6)
	Robert Kornberg, MD Robert Leber, MD Souheil Saba, MD Michael W. Lee, MD Delano R. Small, MD Wassim Nona, MD Patrick B. Alexander, MD Iram Rehman, MD	Ammy Malinay, RN Candice P. Edillo, RN	Ridgewood, NJ Southfield, MI	Mount Sinai Saint Luke's Hospital (6) Providence - Providence Park Hospital (6)
	Umesh Badami, MD	Ann Ostrander, RN Stephanie Wasmiller, RN	Saginaw, MI	Covenant Medical Center, Inc. (5)
	Kevin Marzo, MD	Wendy Drewes, RN Dipti Patel, RN	Mineola, NY	NYU Winthrop (5)
	Inga H. Robbins, MD Howard A. Levite, MD Sanjay Shetty, MD Mayuri Patel, MD	Jackie M White, RN, BSN CCRC Alison Hallam	Pomona, NJ	AtlantiCare Regional Medical Center (5)
	Glenn S. Hamroff, MD	Benjamin J Spooner, RPA-C Linda M Hollenweger, LPN, CCRC	Cortlandt Manor, NY	NYP Medical Medical Group Hudson Valley Cardiology (5)
	Raymond W. Little, MD Brandi D. Zimbelman, FNP-C	Holly Little Tiffany Little	Houston, TX	Houston Heart & Vascular Associates (5)
	Charles Y. Lui, MD Brigham R. Smith, MD Daniel P. Vezina, MD, MSc Lillian L. Khor, MBBCh, MSc Josephine D. Abraham, MD, MPH David A. Bull, MD Stephen H. McKellar, MD, MSc	Nona A Eskelson, RN	Salt Lake City, UT	Salt Lake City VA Medical Center (4)
	David Booth, MD John Kotter, MD Ahmed Abdel-Latif, MD, PhD	Yvonne Taul, RN Caroline Rodgers, RN Jennifer Isaacs, MS Viktoria Bulkley Renee Kaneshiro	Lexington, KY	Lexington VA Medical Center (4)
	Bob Hu, MD	Renee Kaneshiro	Palo Alto, CA	Palo Alto Medical Foundation Research Institute (4)
	Arthur J. Labovitz, MD Michael Berlowitz, MD Phillip Rogal, MD Christopher McFarren, MD Fadi Matar, MD Christiano Caldeira, MD	Bonnie J. Kirby, RN, MSN Nhi N. Tran, MS Catherine Jahrsdorfer, RN, BSN	Tampa, FL	University of South Florida (4)
	David J. Maron, MD Fatima Rodriguez, MD, MPH Ingela Schnittger, MD William F. Fearon, MD	Reem Yunis, PhD Jhina Patro	Stanford, CA	Stanford University School of Medicine (4)
	Prakash Deedwania, MD Kiran Reddy, MD	Antonia Vega	Fresno, CA	UCSF - Fresno Community Regional Medical Center (4)
	Joseph Sweeny, MD	Hugo Bloise-Adames Santa Jimenez Nicole Saint Vrestil Revna Bhandari	New York, NY	Icahn School of Medicine at Mount Sinai (4)
	Christopher Spizzieri, MD	Danielle Schade	Camp Hill, PA	Holy Spirit Hospital Cardiovascular Institute (4)

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		Roxanne Yost		
	Claudia P Hochberg, MD	Paula Beardsley Denise Fine	Boston, MA	Boston Medical Center (4)
	William D. Salerno, MD	Jana Tancredi, RN, MA/MSN, CCRN Patricia Arakelian Susan Mathus Deborah O'Neill	Saddle Brook, NJ	Hackensack University Medical Center (4)
	Ray Wyman, MD	Joy Burkhardt, CCRP Suellen Hosino, RN, BSN, CCRP	Torrance, CA	Torrance Memorial Medical Center (4)
	Amer Zarka, MD Anil V. Shah, MD	Oksana A. Lubyanyaya, BA Jose D. Salas, BS Maria Aguirre Manu Dhawan Diana Parra Tri Tran	Santa Ana, CA	Coastal Heart Medical Group (4)
	Thomas Haldis, DO	Catherine Weick, BSRT(R)(VT) Katie Fowler-Lehman, BSN Natalie Spitzer, BSN Casey Riedberger Catherine Weick	Fargo, ND	Sanford Health (4)
	Jeffrey A. Kohn, MD	Stanley E. Cobos, BA Raven R. Dwyer, MPH Dalisa Espinosa, MBS Kirsten J. Quiles, MS	New York, NY	NYU New York Medical Associates (4)
	Saket Girotra, MD	Carrie Drum, RN Kimberly Miller-Cox, RN Amy Ollinger, RN	Iowa City, IA	University of Iowa Hospitals and Clinics (4)
	Omar Almousalli, MD	Elizabeth Capasso-Gulve Alaine Melanie Loehr Marlowe Mosley	Fairview Heights, IL	Advanced Heart Care Group (4)
	Mayil S. Krishnam, MD Jeffrey C. Milliken, MD Pranav M. Patel, MD Arnold H. Seto, MD Kevin T. Harley, MD Michael A. Gibson, MD Byron J. Allen, MD	Shirin Heydari, MS Andrea M. Lundeen, MA Edgar Karanjah, MD Wanda C. Marfori, MD Eduardo Hernandez-Rangel, MD Pam Singh	Orange, CA	University of California Irvine Medical Center (3)
	Rita Coram, MD	Anne Marie Webb, BSN Ellie Fridell, BS Heidi Wilson, BS	Louisville, KY	University of Louisville (3)
	Sabu Thomas, MD, MSc Ronald G Schwartz, MD, MS Wei Chen, MD, MS	Angela Kim, BS Patrick Wilmot, BS	Rochester, NY	University of Rochester (3)
	Mahfouz El Shahawy, MD James Stafford, MD	Ramona Stevens Lorlane Black	Sarasota, FL Baltimore, MD	Cardiovascular Center of Sarasota (3) University of Maryland Medical Center (3)
	William B. Abernethy, MD	Amber B. Hull, RN Olivia J. Lim, RN Helen C. Tucker Natasha C. Putnam, RN Linda L. Hall Tia Cauthren Trish Tucker	Asheville, NC	Asheville Cardiology Associates (3)
	Andrew Zurick, MD	Hollie Horton Jan Orga	Nashville, TN	Saint Thomas Hospital (3)
	Thomas M. Meyer, MD Ronald G. Morford, MD Bruce Rutkin, MD Sabahat Bokhari, MD Seth I. Sokol, MD Jay Meisner, MD Ihab Hamzeh, MD Arunima Misra, MD Matthew Wall Jr., MD Veronica Lenges De Rosen, MD Mahboob Alam, MD	Joyce R. White, MSN NP-C Cynthia Baumann, RN Vidya Seeratan Magnolia Jimenez Cidney Schultz, RN Jeanne Russo, RN	Lynchburg, VA Manhasset, NY New York, NY Bronx, NY	Stroobants Cardiovascular Center (3) Northwell Health - Manhasset (3) Columbia University Medical Center (3) Jacobi Medical Center (3)
	Michael C. Turner, MD Thomas J. Mulhearn, MD	Zohra Huda, RN, BSN, CCRP Araceli Boan	Houston, TX	Baylor College of Medicine (3)
	Arnold P. Good, MD	Christine R Hinton	Lake Charles, LA	Cardiovascular Specialists of Southwest Louisiana (3)
	Nicolas W. Shammass, MD, MS	Beth A. Archer, BSN, RN Julia S. Dionne, BA Cheryl A. Allardyce, BSN, RN Lindsey N. Sikora, BSN, RN Jennifer H. Czerniak, RN Jennifer A. Mull, MSN, RN Elizabeth Ferguson Frances Laube	Columbus, OH	Ohio Health Grant Medical Center (3)
	Robert Chilton, MD	Gail A Shammass, BSN, RN Lori Christensen Holly Park	Davenport, IA	Midwest Cardiovascular Research Foundation (3)
	Patricia K. Nguyen, MD	Joan Hecht	San Antonio, TX	Audie Murphy V.A. (2)
	Matthew Jezior, MD	Davis Vo, BS James Hirsch	Palo Alto, CA	VA Palo Alto Healthcare System (2)
	Paul C. Gordon, MD Thomas Crain, MD	Jody Bindeman Sara Salkind	Bethesda, MD	Walter Reed National Military Medical Center (2)
	Robert Stenberg, MD	Dalisa Espinosa, MBS Lori-Ann Desimone, BSN Lina Felix-Stern Jassira Gomes Catherine Gordon, BSN	Providence, RI	Miriam Hospital (2)
	Ronald P. Pedalino, MD	Aimee Mann Theresa McCreary	Johnstown, PA	Conemaugh Valley Memorial Hospital (2)
	Joseph Wiesel, MD	Stanley E. Cobos, BA Raven R. Dwyer, MPH Dalisa Espinosa, MBS Kirsten J. Quiles, MS	Brooklyn, NY	NYU-HHC Kings County Hospital Center (2)
	George J. Juang, MD	Stanley E. Cobos, BA Raven R. Dwyer, MPH Dalisa Espinosa, MBS Kirsten J. Quiles, MS	Flushing, NY	New York University - Langone Cardiovascular Associates (2)
	Mohammed Al-Amoodi, MD	Candace Gopaul, BS Karen Hultberg Tauqir Huk Afshan Hussain	Brooklyn, NY	Coney Island Hospital (2)
	David Wohns, MD Ellis W. Lader, MD	Yesenia Zambrano, BS Sarah Medina Rodriguez Trudie Milner Abbey Mulder, RN Stacie Van Oosterhout, MEd Martha Meyer, RN, MSN	Yuma, AZ Grand Rapids, MI Kingston, NY	Yuma Regional Medical Center (2) Spectrum Health (2) Mid Valley Cardiology (1)

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	Michael Mumma, MD	Nancy L. Clapp, RN, BA, CCRC Heather Barrentine	Sarasota, FL	Sarasota Memorial Hospital (1)
	Lekshmi Dharmarajan, MD	Jenne M. Jose, PA Stanley E. Cobos, BA Raven R. Dwyer, MPH Dalisa Espinosa, MBS Kirsten J. Quiles, MS Jenne Manchery	Bronx, NY	NYU-HHC Lincoln Medical and Mental Health Center (1)
	Joseph F.X. McGarvey Jr, MD	Vera McKinney, RN Linda Schwarz, RN	Doylestown, PA	Doylestown Health Cardiology (1)
	Thomas R. Downes, MD (till Dec. 2016) Gary J. Luckasen, MD (from Dec. 2016)	Scott M. Kaczowski Adam J. Jaskowiak Joel Klitch	Loveland, CO	Medical Center of the Rockies (1)
	Benjamin Cheong, MD	Debra Dees	Houston, TX	Baylor St. Luke's Medical Center (1)
	Srinivasa Potluri, MD	Precilia Vasquez	Plano, TX	Baylor Research Institute at Legacy Heart Center (1) **
	Ronald A. Mastouri, MD Jeffery A. Breall, MD, PhD George E. Revtyak, MD Jonathan W. Bazeley, MD	Elise L. Hannemann, RN, CCRC Judy Mae Foltz, RN, CCRC	Indianapolis, IN	Indiana University/Krannert Institute of Cardiology (1)
	Dayuan Li, MD	Emily DeRosa Beth Jorgenson Joyce Riestenberg-Smith	St. Paul, MN	HealthEast Saint Joseph's Hospital (1)
	Kenneth Giedd, MD		New York, NY	Beth Israel Medical Center (1)
	Wayne Old, MD	Rebecca Bariciano	Chesapeake, VA	Cardiovascular Associates, Ltd. (1)
	Francis Burt, MD		Bethlehem, PA	Saint Luke's Hospital and Health Network (1)
	Kozhaya Sokhon, MD	Jessica Waldron Michelle Mayon	Sugar land, TX	Medicus Alliance Clinical Research Org., Inc. (1)
	Deepika Gopal, MD		Plano, TX	The Heart Hospital Baylor (1)
	Uma S. Valeti, MD	Gretchen Ann Peichel, RN	Minneapolis, MN	University of Minnesota (1)
	Jon Kobashigawa, MD	Brandy Starks Lucilla Garcia Maria Thottam	Beverly Hills, CA	Cedars Sinai Medical Center (1)
India (941) Country Leader Balram Bhargava, DM	Sajeew Chakanalil Govindan, MD, DNB, DM, PhD Rajesh Gopalan Nair, MD, DNB, DM	Anjali Anand, MSc Janitha Raj, B.Tech Reshma Ravindran, MSc Rajalekshmi VS, MSc, MScCRR	Calicut	Government Medical College (208)
	Cholenahally Nanjappa Manjunath, MD, DM Nagaraja Moorthy, MD, DM Satvica Cholenahally Manjunath, MD, DM	Nandita Nataraj, BE(Biotech) PGDRCRDM Soundarya Nayak, BE(Biotech) PGDRCRDM Mahevamma Mylarappa, GNM (General Nursing)	Bengaluru	Sri Jayadeva Institute of Cardiovascular Sciences and Research (149)
	<u>Suryaprakash Narayanappa, MBBS</u> Neeraj Pandit, MD, DM Ranjit Kumar Nath, MD, DM	Sheromani Bajaj Vandana Yadav, Msc, PGDAGR Girish Mishra, Msc, PGDAGR	New Delhi	Dr Ram Manohar Lohia Hospital (101)
	S.K. Dwivedi, DM V.S. Narain, DM Sharad Chandra, DM	Roma Tewari, PG Meenakshi Mishra, PG Shivali Patel Suman Singh, PG	Lucknow	King George's Medical University, Department of Cardiology (100)
	Gurpreet S. Wander, DM Rohit Tandon, MD Sarju Ralhan, M.Ch (CTVS) Naved Aslam, DM Abhishek Goyal, DM Balram Bhargava, DM G. Karthikeyan, DM S. Ramakrishnan, DM Sandeep Seth, DM Rakesh Yadav, DM Sandeep Singh, DM Ambuj Roy, DM Neeraj Parakh, DM Sunil Kumar Verma, DM Rajiv Narang, DM Sundeep Mishra, DM Nitish Naik, DM Gautam Sharma, DM Shiv Kumar Choudhary, M.Ch Chetan Patel, DNB Gurpreet Gulati, MD Sanjeev Sharma, MD V.K. Bahl, DM	Baljeet Kaur, MSc (Biotechnology) Sonika Gupta, MBA, B. Pharmacy Chandini Suvarna, BDS	Ludhiana	Hero DMC Heart Institute, Dayanand Medical College and Hospital (83)
	Anoop Mathew, MD Eapen Pannoose, MD Milind Avdhoot Gadkari, MD Siddharth Cadage, MD DNB Tapan Umesh Pillay, BHMS MSc	Binoy Mannekkattukudy Kurian Sheetal Rupesh Karwa, BHMS Suvarna Kolhe, MSc	Kolenchery Pune	MOSC Medical College Hospital (39) KEM Hospital Pune (35)
	Santhosh Satheesh, MBBS, MD, DM	R. J. Vindhya, B.Sc. (Bio-Technology), MSc(Bio-Informatics) Peeyush Jain, MD Ashok Seth, MD Zile Singh Meharwal, MD Atul Verma, MD Mona Bhatia, MD Ankush Sachdeva, MD Thounaajam Indira Devi, RN Nungshi Jungla, RN	Pondicherry	Jawaharlal Institute of Postgraduate Medical Education & Research (JIPMER) (31)
	Atul Mathur, MD Upendra Kaul, MD	K. Manjula Rani, MSc. M. Sowjanya Reddy, BSc K. Preethi, BSc Rinu R sidh, MSc(Clinical Research)	New Delhi	Fortis Escort Heart Institute (31)
	Johann Christopher, MD, DNB Rajeev Menon, MD, DNB Nirmal Kumar, MD, DNB Abraham Oommen, MD, DM, DNB	K. Manjula Rani, MSc. M. Sowjanya Reddy, BSc K. Preethi, BSc Rinu R sidh, MSc(Clinical Research)	Hyderabad	Gururanak CARE Hospital (27)
	Robert Mao, MD, DM Hilda Solomon, PhD Sudhir Naik, MD, DM Sajeeda Parveen Khan, MBBS, (Dip.Card)	Ramakrishnan T., B.Tech(Biotechnology) Rajesh Francis, MSc(Clinical Research) Vamshi Priya P., MSc	Chennai	Apollo Research and Innovation (23)
	Johann Christopher, MD Nirmal Kumar, MD	Kotiboinna Preethi	Hyderabad	Apollo Research & Innovations (13) CARE Nampally (11)
	Purvez Grant, MD	Shweta Hande, BHMS, PGDCR Poonam Sonawane, B.Sc Microbiology, ACCR	Pune	Ruby Hall Clinic, Grant Medical Foundation (10)
	Ranjan Kachru, MD	Abhishek Dubey Kavita Rawat	New Delhi	Fortis Healthcare Ft L1. Rajan Dhall Hospital (4)
	Ajit Kumar VK, MD, DM Sanjay Ganapathi, MD, DM Jayakumar K, MS, M.Ch Harikrishnan Sivasadanpillai, MD, DM Bijulal Sasidharan, MD, DM	Vineeth CP Manas Chacko, RN Suresh Babu	Trivandrum	Sree Chitra Tirunal Institute for Medical Sciences and Technology (3)

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	Kapilamoorthy TR, MD			
	Johann Christopher, MD	Sowjanya Reddy	Hyderabad	CARE Hospital (3)
	Praneeth Polamuri, MD	Manjula Rani		
	Upendra Kaul, MD	Priyadarshani Arambam Bebek Singh	New Delhi	Batra Hospital and Medical Research Centre (BHMRC) (3)
United Kingdom (539)				
Country Leaders				
Roxy Senior, MBBS, MD, DM				
Keith AA Fox, MBChB (past)				
Country Coordinators				
Grace M. Young, MSc, BSc (Hons)				
Kathryn Carruthers (past)				
	Roxy Senior, MBBS, MD, DM Ahmed Elghamaz, MB BCh Sothinathan Gurunathan, MBChB Nikolaos Karogiannis, MBBS Benoy N Shah, MD, MBBS, BSc (Hons) Richard HJ Trimlett, MBBS, CCST Michael B Rubens, LRCP, MRCS, MBBS, DMRD Edward D Nicol, MD, BMedSci, MBBS, DTM&H Tarun K Mittal, MD Reinette Hampson, BSc (Hons), BA (Hons)	Grace M. Young, MSc, BSc (Hons) Christopher Kinsey Raisa Kavalakkat, MSc, BSc, RN Jo Evans, RN Ikraam Hassan, RN	Harrow	Northwick Park Hospital Harrow/ Royal Brompton Hospital London (202)
	Reto Andreas Gamma, MBBS	Sarah Williams, RN Kim Holland, RN Karen Swan, RN	Chelmsford	Broomfield Hospital (39)
	Mark A de Belder, MD Jeet Thambyrajah, MD	Bev Atkinson, RN	Middlesbrough	The James Cook University Hospital, Middlesbrough (37)
	Thuraia Nageh, BSc(Hons) MBBS MD MRCP John R Davies, MBBS, PhD	Swapna Kunhunni, MRes Clin Res, BSc (N), RN	Westcliffe on Sea	Southend University Hospital (34)
	Steven J. Lindsay, MD John Kurian, MD Haqael-Jamil, MD Osama Raheem, MD Angela Hoye, MD	Craig Atkinson, RN Carita Krannila, RN Manitha Vinod, RN	Bradford	Bradford Royal Infirmary (20)
	Patrick Donnelly, MD Bernardas Valecka, MD	Lisa Chaytor Leanne Cox Julie Morrow Kay Rowe	Cottingham	The University of Hull/Castle Hill Hospital (19)
	Anoop Chauhan, MD	Stephanie Kelly, RN Susan Regan, RN Dawn Turnbull	Belfast	South Eastern Health and Social Care (17)
	Craig Barr, MD Khaled Alfakih, MBBS, MD Jonathan Byrne, PhD Ian Webb, PhD, MA	Catherine Fleming Arijit Ghosh Karen Gratix Stephen Preston Anne Cartwright	Blackpool	Blackpool Teaching Hospitals (16)
	Peter Henriksen, PhD, MB ChB, BSc(Hons)	Abigail Knighton, BSc., PG Dip. Katherine Martin, RGN, Dip. N, MSc	Dudley	Russells Hall Hospital (15)
	Peter Okane, MD	Laura Flint, RGN James Harrison, BSc(Hons), PG dip	London	King's College NHS Foundation Hospital (14)
	Ramesh de Silva, MB ChB, MD Dwayne S. G. Conway, MD	Nicki Lakeman Anja Ljubez	Edinburgh	Royal Infirmary of Edinburgh (13)
	Alexander A Sirker, MB BChir, PhD	Judith Wright Donna Exley	Bournemouth	Royal Bournemouth Hospital (13)
	Stephen P Hoole, MD	Mervyn Andiapien, RN Amy J. Richards, BSc	Bedford	Bedford Hospital NHS Trust (11)
	Fraser N. Witherow, MD	Lisa Wong, MSc	Wakefield	Pinderfields Hospital (11)
	Nicola Johnston, MB, Bch BAO, MRCP, MD Mark Harbinson, MB, Bch BAO, MRCP, MD Simon Walsh, MB, Bch BAO, MD Hanna Douglas, MB, Bch BAO, MRCP, MD	Melanie J. Munro, RGN	London	University College London Hospitals NHS Foundation Trust BartsHealth NHS Trust (11)
	Matthew Luckie, MD	Lisa Wong, MSc	Cambridge	Papworth Hospital (10)
	Jolanta Sobolewska, MD	Melanie J. Munro, RGN	Dorchester	Dorset County Hospital (8)
	Paramjit Jeetley, MD Niket Patel, MD Tushar Kotecha, MBChB, Mpharm	Michelle McEvoy, RN Caroline Brown, RN	Belfast	Belfast Trust (7)
	Christopher Travill, MBBS, MD Iqbal Karimullah, MBBS Mahmud Al-Bustami, MBBS	Thabitha Charles Laurel Kolakaluri Hannah Phillips	Manchester	Central Manchester University Hospital (7)
	Denise Braganza, MD	Louise Morby, RN Karen Hallett, RN Carolyn Corbett, RN Lynne Winstanley	Oldham	The Pennine Acute Hospitals NHS Trust (6)
	Robert Henderson, MD Kate Pointon, MBBS Surendra Naik, PhD Thomas Mathew, MBBS, MD, DM	Angeliqe Smit, RN	London	Royal Free London NHS Foundation Trust (6)
	Colin Berry, BSc MB ChB, PhD Damien Collison, MB ChB Giles Roditi, MB ChB	Susan Gent, SRN RGN Nafisa Hussain, BSc	Luton	Luton and Dunstable University Hospital NHS FT (5)
	Andrew J Moriarty, BSc MB PhD Jason D. Glover, MBBS Jiwan Pradhan, MBBS Ghada Mikhail, MD Darrel P. Francis, MD, MA	Fiona Haines Joanne Taaffe	Peterborough	Peterborough City Hospital (5)
	Gilbert Gosselin, MD	Jane Burton Maria Colton Rachel King	Peterborough	Peterborough City Hospital (5)
		Ammani Brown, MSc BA RN Andrew Docherty, RN Lisa McCloy, RN Kate Robb, RN Craig Paterson, PhD Wenda Crawford, RN Joanne Kelly, RN Lorraine McGregor, RN	Nottingham	Nottingham University Hospitals (4)
		Anna Proietti, RN Myriam Brousseau, RN Magalie Corfias, RN	Clydebank	University of Glasgow (4)
		Anna Proietti, RN Myriam Brousseau, RN Magalie Corfias, RN	Craigavon	Cardiovascular Research Unit, Craigavon Area Hospital (2)
		Janet P Knight, RN	Basingstoke	Hampshire Hospitals NHS Foundation Trust (2)
		Tuhina Bose	London	Imperial College Healthcare NHS Trust (1)
*Canada (447)				
Country Leaders				
Vladimir Dzavik, MD				
Shaun Goodman, MD, MSc				
Gilbert Gosselin, MD				
	Gilbert Gosselin, MD	Anna Proietti, RN Myriam Brousseau, RN Magalie Corfias, RN	Montreal, QC	Montreal Heart Institute (90)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
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	Denis Carl Phaneuf, MD Gilbert Gosselin, MD	Katia Drouin, RN Christine Bergeron, RN Christine Shelley Christine Masson	Terrebonne, QC	CISSSL - Hopital Pierre-Le Gardeur (42)
	Pallav Garg, MBBS, MSc	Sandy Carr, RN Catherine Bone, RN	London, ON	London Health Sciences Centre (35)
	Benjamin J.W. Chow, MD Renee C. Hessian, MD Rob S. Beanlands, MD Richard F. Davies, MD	Ermina Moga Janetta Kourzenkova Olga Walter	Ottawa, ON	University of Ottawa Heart Institute (29)
	Kevin R. Bainey, MD, MSc	Norma Hogg, RN Suzanne Welsh, RN	Edmonton, AB	University of Alberta (28)
	Asim N. Cheema, MD, PhD Akshay Bagai, MD, MHS Ron Wald, MDCM, MPH Shaun Goodman, MD, MSc John Joseph Graham, MRCP, MB ChB, BSc Mark Peterson, MD, FRCSC, PhD Chi-Ming Chow, MD, CM, MSc Beth Abramson, MD, MSc Asim Nazir Cheema, MD Mohammad Tariq Vakani, MD	Khrystyna Kushniriuk, HBSc, MD Mohammed Hussain Olugbenga Bello	Toronto, ON	St. Michael's Hospital (27)
	James Cha, MD	Ishba Syed, MBBS Mohammed Hussain, BSc(H) Khrystyna Kushniriuk, MBBS	Mississauga, ON	Dixie Medical Group (24)
	Andrew G Howarth, MD, PhD	Judy Otis, CRC Rebecca Otis, CRC	Oshawa, ON	Dr. James Cha (21)
	Graham Wong, MD	Michelle M Seib, RN Sandra M Rivest, RN Rosa Sandonato, BSCN	Calgary, AB	University of Calgary (15)
	Amar Uxa, MD	Jackie Chow Andrew Starovoytov Naomi Uchida Ngairé Meadows	Vancouver, BC	Vancouver General Hospital (15)
	Paul Galiwango, MD Saleem Kassam, MD Ashok Mukherjee, MD A. Joseph Ricci, MD	Nadia Asif Suzana Tavares	Toronto, ON	University Health Network (14)
	Andy Lam, MD	Bev Bozek, RN, CCRC Maria Shier Lori-Ann Larmand Amir Janmohamed Brenda Hart	Scarborough, ON	Scarborough Cardiology Research (9)
	Shamir Mehta, MD	Jane Marucci Sharon Tai	East Grimsby, ON	West Lincoln Memorial Hospital (8)
	Jacob Udell, MD	Sonya Brons, RN Chris Beck, RN Glenda Wong, RN Krystal Etherington Thippeekaa Arumairajah	Hamilton, ON	Hamilton General Hospital (7)
	Philippe Gagné, MD	Maria Aprile Sara Karlsson Susan Webber	Toronto, ON	Women's College Hospital (7)
	Adnan Hameed, MD	Chantale Mercure	Montréal, QC	Centre Intégré Universitaire de Santé et de Services Sociaux du Montréal (2)
	Ledjalem Daba, MD	Nancy Aedy	St. Catharines, ON	Saint Catharines General Hospital (2)
		Fran Farquharson Anam Siddiqui	Vaughan, ON	Northwest GTA Cardiovascular and Heart Rhythm Program (1)
Brazil (399)				
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	Carísi A. Polanczyk, MD Mariana V. Furtado, MD Luis F. Smidt, MD Antonio Carlos Carvalho, MD Gustavo Pucci, MD Flavio Lyra, MD Alvaro Rabelo Alves Junior, MD	Aline Peikoto Deiro Alice Manica Muller Maria Antonieta Pereira de Moraes Bruna Maria Ascoli Silvia Zottis Poletti	Porto Alegre	Instituto de Cardiologia de Porto Alegre (41)
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	Paulo Ricardo Caramori, MD	Diego Franca da Cunha	Ribeirão Preto	Hospital das Clinicas da Faculdade de Medicina de Ribeirão Preto da Universidade de São Paulo (31)
		Guilherme G Rucatti, PsyD Fernanda Igansi, BSc Mauren P Haeffner, BSc	Porto Alegre	Hospital de Clinicas de Porto Alegre (12)
		Viviane Almeida Gabriela Sanchez de Souza	Sao Paulo	Unifesp - Hospital Sao Paulo (9)
		Mayana Almeida Viviane dos Santos	Salvador	Fundacao Bahiana de Cardiologia (9)
		Natalia S Oliveira, RN	Salvador	Hospital da Bahia (8)
		Bruna Edilena Paulino Azevedo Marco Bizzaro Santos	Belo Horizonte	Hospital Lifecenter (8)
		Amanda Germann Vitor Gomes Rosa Homem Ellen Magedanz	Porto Alegre	Hospital Sao Lucas da Pontificia Universidade Catolica do Rio Grande do Sol (7)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
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	Expedito Eustáquio Ribeiro da Silva, MD, PhD Pedro Gabriel Melo de Barros e Silva, MD, PhD Luciana de Pádua Silva Baptista, MD, PhD Marcelo Jamus Rodrigues, MD Marcos Valério Coimbra de Resende, MD, PhD	Mariana Yumi Okada, RN Ana Paula Batista, RN Aline Nogueira Rabaça, BS	Sao Paulo	Hospital TotalCor (2)
	Jose Francisco Saraiva, MD	Larissa Miranda Trama Talita Silva Camila Thais de Souza Ormundo Carla Vicente	Sao Paulo	Hospital Celso Pierro (1)
	Costantino Costantini, MD, PhD	Caroline Pinheiro Daniele Komar	Curitiba	Hospital Cardiologico Costantini (1)
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	Tomasz Mazurek, MD, PhD	Jakub Maksym, MD Karolina Wojtera, MD Anna Fojt, MD Ewa Szerba, MD	Warszawa	Medical University of Warsaw (48)
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	Adam Witkowski, MD, PhD Krzysztof Kukuła, MD, PhD Malgorzata Celińska-Spodar, MD Joanna Zalewska, MD	Jaroslawn Karwowski, MD	Warsaw	Institute of Cardiology, Warsaw (35)
	Grzegorz Gajos, MD, PhD Krzysztof Bury, MD, PhD		Krakow	Department of Coronary Disease, John Paul II Hospital, Jagiellonian University Medical College (16)
	Piotr Pruszczyk, MD, PhD Marek Roik, MD, PhD	Andrzej Labyk, MD Agnieszka Szramowska, MD Olga Zdończyk, MD	Warszawa	Department of Internal Medicine and Cardiology, Infant Jesus Teaching Hospital, Medical University of Warsaw (15)
	Krystyna Loboż-Grudzień, MD, PhD Leszek Sokalski, MD, PhD Barbara Brzezińska, MD, PhD Maciej Lesiak, Professor, MD Magdalena Lanocha, MD	Joanna Jaroż, MD, PhD	Wroclaw	T.Marciniak Hospital (11)
	Krzysztof W. Reczuch, MD Zbigniew Kalarus, MD Andrzej Swiatkowski, MD Mariola Szulik, MD	Adam Kolodziej, MD	Wroclaw	Military Hospital / Medical University (4)
	Włodzimirz J. Musiał, MD	Marta Marcinkiewicz-Siemion, MD	Bialystok	University Hospital in Bialystok (1)
Russia (303) Country Coordinator Olga Bockeria, MD, PhD	Leo Bockeria, MD, PhD Karen Petrosyan, MD, PhD Tatiana Trifonova, MD Alexander M. Chernyavskiy, MD, PhD Evgeniy I. Kretov, MD Igor O. Grazhdankin, MD Leonid L. Bershtein, MD, PhD Sergey A. Sayganov, MD, PhD Anastasia M. Kuzmina-Krutetskaya, MD Elizaveta V. Zbyshevskaya, MD, PhD Nana O. Katamadze, MD, PhD Elena A. Demchenko, MD, PhD Pavel S. Kozlov, MD Vikentiy Y. Kozulin, MD Ekaterina I. Lubinskaya, MD	Olga Bockeria, MD, PhD Zalina Kudzoeva, MD Nodira Aripova, MD Ivan A. Naryshkin, MD Alena Kuleshova, MD Dastan Malaev, MD Irina Subbotina Victoria Gumerova	Moscow Novosibirsk Saint Petersburg	National Medical Research Center for Cardiovascular Surgery (113) E.Meshalkin National Medical Research Center of the Ministry of Health of the Russian Federation (101) North-Western State Medical University (50)
		Olga B. Nikolaeva, MD	Saint Petersburg	Federal Almazov North-West Medical Research Centre (39)
*Spain (286) Country Leader Jose Luis Lopez-Sendon, MD, PhD Country Coordinator Almudena Castro, MD	Jose Lopez-Sendon, MD, PhD Almudena Castro, MD Elena Refoyo Salicio, MD	Virginia Fernández-Figares, Pharm	Madrid	Hospital La Paz. IdiPaz (118)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
	Gabriela Guzman, MD Gabriel Galeote, MD Silvia Valbuena, MD			
	Jesús Peteiro, MD, PhD María Dolores Martínez-Ruiz, MD Ruth Pérez-Fernández, MD José J Cuenca-Castillo, MD Xacobe Flores-Ríos, MD Óscar Prada-Delgado, MD Gonzalo Barge-Caballero, MD	Moisés Blanco-Calvo, PhD Encarnación Alonso-Álvarez, BSc Paula García-González, BSc	A Coruna	Complejo Hospitalario Universitario A Coruña (CHUAC) Sergas, Department of Cardiology. INIBIC A Coruña. CIBER-CV. Universidad de A Coruña, Spain (112)
	Jose Ramon Gonzalez Juanatey, MD, PhD Miguel Souto Bayarri, MD, PhD Virginia Pubull Nuñez, MD Raymundo Ocaranza Sanchez, MD, PhD Belen Cid Alvarez, MD Carlos Peña Gil, MD, PhD Amparo Martinez Monzonis, MD	Jose Seijas Amigo, Pharm	Santiago de Compostela	Hospital Clinico Universitario de Santiago (17)
	Alessandro Sionis, MD Montserrat Vila Perales, MD Josep Maria Padró, MD Antonio Serra Peñaranda, MD Joan Garcia Picart, MD Antonino Ginel Iglesias, MD Xavier Garcia-Moll Marimon, MD Guillem Pons Lladó, MD Francesc Carreras Costa, MD	Ana Fernández Martínez, RN	Barcelona	Hospital de la Santa Creu i Sant Pau (11)
	Vicente Miro, MD Jose L Díez, MD Pilar Calvillo, MD	Begoña Igual, MD	Valencia	Hospital Universitario y Politecnico La Fe (10)
	F. Marin Ortúño, MD, PhD M. Valdés Chávarri, MD, PhD A. Tello Montoliu, MD, PhD E. Pinar Bermudez, MD, PhD G. De La Morena, MD, PhD	M. Quintana Giner, MD A.I. Romero Anioarte, MD J.M. Rivera Caravaca, MD	Murcia	HUVA, Hospital Clínico Universitario Virgen De La Arrixaca (8)
	Montserrat Gracida Blancas, MD	Olga Cañavate Sonia Guerrero Silvia Riera	Barcelona	Hospital De Bellvitge (4)
	Jose Enrique Castillo Luena, MD	Jose Enrique Castillo Luena Maria Lasala	Zaragoza	Hospital Universitario Miguel Servet (4)
	Francisco Fernandez-Aviles, MD	Maria Lorenzo Olga Sobrino Alexandra Vazquez	Madrid	Hospital General Universitario Gregorio Marañon (2)
China (246) Country Leader Lixin Jiang, MD, PhD		Haojian Dong Peiyu He Chunli Xia Junqing Yang Qi Zhong	Guangzhou	Guangdong General Hospital (102)
	Yongjian Wu, MD, PhD	Yanmeng Tian, MD	Beijing	Chinese Academy of Medical Sciences, Fuwai Hospital (17)
	Yitong Ma, MD Yining Yang, MD	Dongze Li Xiaomei Li Xiang Ma Zixiang Yu Qian Zhao Chunguang Li	Urumqi	First Affiliated Hospital of Xinjiang Medical University (15)
	Zheng Ji, MD	Lei Zhang Yu Zhao Bolin Zhu	Tangshan	Tangshan Gongren Hospital (15)
	Xinchun Yang, MD	Mulei Chen Hongjie Chi Yang Wang Jing Zhang	Beijing	Beijing Chao-yang Hospital, Capital Medical University (12)
	Wenhua Lin, MD	Rui Jing Jingjing Liu	Tianjing	TEDA International Cardiovascular Hospital (12)
	Hesong Zeng, MD	Qiang Zhou, MD Chang Xu, MD Zhuxi Li, MD Junhua Li, MD Luyang Xiong, MD	Wuhan	Tongji Medical College (11)
	Xin Fu, MD	Dan Gao Dengke Jiang Ran Leng Xutong Wang Qianqian Yuan Lili Zhang	Zhengzhou	The First Affiliated Hospital of Zhengzhou University (11)
	Bin Yang, MD	Ziliang Bai Jianhua Li Jie Qi Fei Wang Haitao Wang Bin Yang Zhou Yue Zhulin Zhang	Taiyuan	Shanxi Cardiovascular Hospital (10)
	Songtao Wang, MD	Yumei Dong Jiajia Mao Bin Zhang	Qingdao	Qingdao Fuwai Hospital (8)
	Gong Cheng, MD	Xiaohong Li Xiaowei Yao Nier Zhong Ning Zhou	Xian	Shanxi Provincial People's Hospital (6)
	Yulan Zhao, MD	Yaping Huang, MS Panpan Zhou, MS	Zhengzhou	The Second Affiliated Hospital of Zhengzhou University (6)
	Xuehua Fang, MD	Wei Su	Beijing	Liangxiang Hospital, Beijing Fangshan District (6)
	Qitang Zeng, MD	Yu Kunwu Yudong Peng Xin Su	Wuhan	Wuhan Union Hospital, Tongji Medical College, Huazhong Science and Tech University (3)
	Xi Su, MD	Chen Wang Yunhai Zhao	Wuhan	Wuhan Asia Heart Hospital (3)
	Qingxian Li, MD	Yaming Geng Yanfu Wang	Jining	Affiliated Hospital of Jining Medical University (3)
	Shao-ping Nie, MD, PhD	Jing-yao Fan, MD Si-ting Feng, MD, PhD Xiao Wang, MD, PhD Yan Yan, MD, PhD Hui-min Zhang, MD, PhD	Beijing	Beijing Anzhen Hospital (2)
	Qin Yu, MD	Lingping Chi Fang Liu	Dalian	Affiliated Zhongshan Hospital of Dalian University (2)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
	Jian'an Wang, MD	Han Chen Jun Jiang Huajun Li Jian'an Wang	Hangzhou	The Second Affiliated Hospital Zhejiang University School of Medicine (1)
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	Paolo Calabro, MD Tiziana Formisano, MD	Fabio Fimiani	Napoli	AORN Dei Colli "V. Monaldi" UOC Cardiologia Università della Campania "L. Vanvitelli" (4)
	Giuseppe Tarantini, MD Umberto Cucchini, MD Anto Luigi Andres, MD	Alberto Barioli, MD Federica Ramani	Padua	University of Padua- Cardiology Clinic (3)
	Emanuela Racca, MD	Fabrizio Rolfo, MD Cecilia Goletto	Cuneo	Azienda Ospedaliera S. Croce e Carle (3)
	Carlo Briguori, MD Roberto Amati, MD William Vergoni, MD Aldo Russo, MD Raffaele Fanelli, MD	Francesca De Micco Stefano Di Marco, MD Martina Tricoli Massimo Vilella, MD	Naples Pescia San Giovanni Rotondo	Clinica Mediterranea (2) UO Cardiologia Ospedale SS Cosma e Damiano (2) IRCCS "Casa Sollievo della Sofferenza" (1)
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Germany (54) Country Leader Rolf Doerr, MD	Rolf Doerr, MD Juergen Stumpf, MD Klaus Matschke, MD, PhD Gregor Simonis, MD, PhD Clemens T. Kadalie, MD Udo Sechtem, MD Peter Ong, MD P. Christian Schulze, MD, PhD Bjoern Goebel, MD Karsten Lenk, MD	Dorit Grahl Franziska Guenther Kerstin Bonin Ina Wenzelburger Susanne Gruensfelder, RN Jan-Malte Sinning, MD Marcel Weber, MD Nikos Werner, MD	Dresden Stuttgart Jena Bonn	Praxisklinik Herz und Gefaesse (29) Robert-Bosch-Krankenhaus (22) University Hospital Jena (2) Universitätsklinikum Bonn (1)
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Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
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Australia (45) Country Leaders Joseph B. Selvanayagam, MBBS (Hons), DPhil Jamie Rankin, MBBS (past) Country Coordinator Deirdre Murphy	Joseph B. Selvanayagam, MBBS (Hons), DPhil Majo X. Joseph, MBBS Suku T. Thambar, MBBS John F. Beltrame, MD Graham S. Hillis, PhD	Sau Lee, PhD Prince Thomas, RN Melissa D Chaplin, RN Stephanie C Boer, B Biotechnology (Honours) Jeanette K. Stansborough, RN Marilyn Black, RN Michelle M. Bonner, B. Nursing Kim F. Ireland, RN Clare Venn-Edmonds, RN	Adelaide New Lambton Heights Woodville South Perth	Flinders Medical Centre (30) John Hunter Hospital (8) The Queen Elizabeth Hospital (5) Royal Perth Hospital (2)
France (42) Country Leader Philippe-Gabriel Steg, MD Country Coordinators Helene Abergel Jean-Michel Juliard	Christophe Thuaire, MD Téodora Dutoiu, MD Philippe Gabriel Steg, MD Jean-Michel Juliard, MD Michel S. Slamá, MD Rami El Mahmoud, MD Eric Nicollet, MD Pascal Goube, MD Gilles Barone-Rochette, MD Alain Furber, MD Loïc Bière, MD	Corine Thobois, RN Emilie Tachot, RN Christophe Laure, RN Christel Vassaliere, RN Helene Abergel, MSc Axelle Fuentes, MSc Ludivine Eliahou, MD Olivier Dubourg, MD Pierre Michaud, MD Sarah Hadjih Patricia Brito Gilles Barone-Rochette Charles Cornet, MD, PhD Jeremy Rautureau, MD, PhD	Chartres Paris Clamart Cedex Boulogne Corbeil-Essonnes Cedex Grenoble Angers Cedex 9	C.H. Louis Pasteur (21) Bichat Hospital (9) Antoine-Becclere Hospital (5) Ambroise Pare Hospital (2) Centre Hospitalier Sud Francilien (2) Grenoble University Hospital (2) Centre Hospitalier Universitaire d'Angers (1)
Lithuania (39)	Aleksandras Laucevicius, MD Jelena Celutkienė, MD	Agne Juceviciene, MD Irma Kalibaitė-Rutkauskienė, MD Laura Keinaite Monika Laukyte Gelmina Mikolaitiene Akvilė Smigelskaite, MD Ilona Tamasauskiene, MD Agne Urboniene, MD	Vilnius	Vilnius University Hospital Santariskes Clinic (39)
*Netherlands (37)	Elvin Kedhi MD, PhD Jorik Timmer, MD Rik Hermanides, MD Eliza Kaplan, MD Robert K. Riezebos, MD, PhD Pouneh Samadi, MD Elise van Dongen, MD Sander R. Niehe, MD Harry Suryapranata, MD Stijn van Vugt, MD, PhD	Ilse Bouwhuis Lia Nijmeijer Jeannette, J. M. Schoep, RN Elisabeth, M. Janzen, RN Sandra Ahoud	Zwolle Amsterdam Nijmegen	Isala Klinieken (25) Cardio Research Hartcentrum OLVG (11) Radboudumc (1)
Portugal (33)	Ruben Ramos, MD Duarte Caceła, MD Ana Santana, MD Antonio Fiarregga, MD Lidia Sousa, MD Hugo Marques, MD Lino Patricio, MD Luis Bermanrdes, MD Pedro Rio, MD Ramiro Carvalho, MD Rui Ferreira, MD Tiago Silva, MD Ines Rodrigues, MD Pedro Modas, MD Guilherme Portugal, MD Jose Fragata, MD Fausto J. Pinto, PhD Miguel Nobre Menezes, MD Guilhermina Cantinho Lopes, MD Ana Gomes Almeida, PhD Pedro Canas Silva, MD	Mafalda Selas Filipa Silva Cláudia Freixo Inês Zimbarra Cabrita, PhD Andreia Rocha, MSc Francisca Patuleia Figueiras, PhD Andreia Coelho, BSc Marta Capinha	Lisbon	Hospital de Santa Marta (25) Santa Maria University Hospital, Cardiology Department, CHLN (6)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
	Angelo Nobre, MD Ana Rita Francisco, MD Nuno Ferreira, MD Ricardo L. Lopes, MD	Maria Inés Caetano Susana Silva	Vila Nova de Gaia	Centro Hospitalar de Vila Nova de Gaia/Espinho, EPE (2)
Argentina (29) Country Leader Rafael Diaz, MD (past)	Luis Guzman, MD Julio César Figal, MD Oscar Méndiz, MD Claudia Cortés, MD Roberto René Favaloro, MD Carlos Alvarez, MD Javier Courtis, MD Gabriela Zeballos, MD Lilia Schiavi, MD Mariano Rubio, MD	Veronica Tinnirello Matías Nicolás Mungo Marina García Valeria Godoy María Victoria Actis Graciela Scaro, MD	Cordoba Ciudad Autónoma de Buenos Aires Bahia Blanca Cordoba Cordoba Cordoba	Instituto Medico DAMIC (11) Fundación Favaloro (10) Hospital Italiano Regional del Sur Bahia Blanca (3) Clinica Romagosa and Clinica De La Familia (2) Clinica Del Prado (2) Clinica Privada Vélez Sarsfield (1)
*New Zealand (28) Country Leader Harvey Douglas White, MD Country Coordinator Caroline Alsweller	Gerard Patrick Devlin, MD Raewyn Fisher, MD Ralph Alan Huston Stewart, MCChB, MD Harvey Douglas White, MD Jocelyne Benatar, MD	Liz Low, RN Jayne Scales, RN Kirsty Abercrombie, RN Leah Howell, RN Cathrine Patten, RN	Hamilton Auckland	Waikato Hospital (22) Auckland City Hospital (6)
*Macedonia (28)	Sasko Kedev, MD, PhD Irena Peovska Mitevka, MD, PhD Elizabeta Srbinska Kostovska, MD, PhD Hristo Pejkov, MD, PhD		Skopje	University Clinic of Cardiology (28)
*Sweden (23) Country Leader Claes Held, MD, PhD	Claes Held, MD, PhD Kai Eggers, MD, PhD Gunnar Frostfelt, MD, PhD Nina Johnston, MD, PhD Maciej Olsowka, MD Axel Åkerblom, MD, PhD Inga Soveri, MD, PhD Johannes Asperg, MD	Christina Björklund, RN Maria Andreasson, RN Marie Essermark, RN Liselotte Persson	Uppsala Stockholm	Uppsala University (18) Karolinska Institutet at Danderyd Hospital (5)
Israel (15) Country Leaders Rafael Beyar, MD, MD, DSc, MPH Tali Sharir, MD Country Coordinator Eugenia Nikolsky, MD	Tali Sharir, MD Dan Elian, MD Arthur Kerner, MD Samia Massalha, MD	Or Harel, MA Margalit Bentzvi Ludmila Helmer	Tel-Aviv Haifa	Assuta Medical Centers (9) Rambam Medical Center (6)
Japan (14) Country Leader Shun Kohsaka, MD	Keiichi Fukuda, MD, PhD Shun Kohsaka, MD Satoshi Yasuda, MD, PhD Shigeyuki Nishimura, MD	Ikuko Ueda, PhD Jun Fujita, MD Akemi Furukawa, RN Kanae Hirase, RN Toshiyuki Nagai, MD, PhD Fumiyuki Otsuka, MD, PhD Shintaro Nakano	Shinjuku-ku Suita-shi Hidaka	Keio University (7) National Cerebral and Cardiovascular Center (4) Saitama Medical University (3)
*Belgium (7) Country Leader Frans Van de Werf, MD, PhD Country Coordinator Kaatje Goetschalckx, MD	Kaatje Goetschalckx, MD Frans Van de Werf, PhD, MD Kathleen Claes, PhD, MD	Valerie Robesyn	Leuven	University Hospital Leuven (7)
*Taiwan (7) Country Leader Harvey Douglas White, MD Country Coordinator Caroline Alsweller	Chung-Lieh Hung, MD Chun-Ho Yun, MD Charles Jia-Yin Hou, MD Jen-Yuan Kuo, MD Hung-I Yeh, MD, PhD Ta-Chuan Hung, MD Jiun-Yi Li, MD, PhD Chen-Yen Chien, MD, PhD Cheng-Ting Tsai, MD Chun-Chieh Liu, MD Fa-Chang Yu, MD Yueh-Hung Lin, MD Wei-Ren Lan, MD Chih-Hsuan Yen, MD Jui-Peng Tsai, MD Kuo-Tzu Sung, MD	Yi-Hsuan Yang	Taipei City	Mackay Memorial Hospital (7)
*South Africa (7)	Mpiko Ntsekhe, MD Shaheen Pandie, MD Charle A Viljoen, MD Marianne De Andrade, MD	Constance Philander (Nee Talliard), ND Noloyiso Mtana, RN	Cape Town	Groote Schuur Hospital / University of Cape Town (7)
*Switzerland (7) Country Leader Aldo P. Maggioni, MD	Tiziano Moccetti, MD M. Grazia Rossi, MD	Adriana Anesini, RN Simona Maspoli, RN Manuela Mombelli, RN	Lugano	Cardiocentro (7)
Egypt (6)	Magdy Abdelhamid, MD Ahmed Adel, MD Ahmed Kamal, MsC Hossam Mahrous, MD	Ahmed Talaat, MD	Cairo	Cairo University (6)

Country (No. Randomizations)	Investigator(s)	Study Coordinator(s)	City & State (if applicable)	Institution (No. Randomizations)
Romania (5)	Sameh El Kaffas, MD Hussien El Fishawy, MD			
	Calin Pop, MD, PhD Matei Claudia, MD, PhD		Bucharest	Emergency County Hospital Baia Mare (4)
*Saudi Arabia (5)	Bogdan A. Popescu, MD, PhD Carmen Ginghina, MD, PhD Dan Deleanu, MD, PhD Vlad A. Iliescu, MD, PhD	Monica Rosca, MD, PhD Carmen C. Beladan, MD, PhD	Bucharest	Emergency Institute of Cardiovascular Diseases "Prof. Dr. C. C. Iliescu" (1)
	Mouaz H. Al-Mallah, MD MSc Ahmed Aljzeeri, MD Hani Najm, MD Ali Alghamdi, MD	Sarah Zahrani, RN	Central Province	King AbdulAziz Cardiac Center (5)
*Peru (4)	Walter Enrique Mogrovejo Ramos, MD	Marco Antonio Monsalve Davila, RN	Miraflores	Instituto Neuro Cardiovascular De Las Americas (4)
Thailand (3) Country Leader Harvey Douglas White, MD Country Coordinator Caroline Alsweller	Srun Kuanprasert, MD Arintaya Prommintikul, MD Weerachai Nawarawong, MD Surin Woragidpoonpol, MD Thitipong Tepsuwan, MD Noppon Taksaudom, MD Chataroon Rimsukcharoenchai, MD Juntima Euathrongchit, MD Yutthaphan Wannasopha, MD	Supatchara Khwakhong, RN Anong Chaiyasri, RN Warangkana Mekara, RN Supap Kulthawong, RN Anong Amaratamol, RN	Chiang Mai	Maharaj Nakorn Chiang Mai Hospital (2)
	Sukit Yamwong, MD Piyamitr Sritara, MD Suthara Aramcharoen, MD Krissada Meemuk, MD	Pachara Panpunuan, RN	Bangkok	Ramathibodi Hospital (1)
*Malaysia (2) Country Leader Harvey Douglas White, MD Country Coordinator Caroline Alsweller	Ahmad Khairuddin, MD Hafidz Abd Hadi, MD Shaiful Azmi Yahaya, MD	Noor Syamira Mokhtar, RN Nor Asiah Basri, RN Irni Yusnida, RN Humayrah Hashim	Kuala Lumpur	Institut Jantung Negara (2)

* Countries participated in Economics Quality of Life (EQoL) Questionnaires

**This site received one participant in transfer that was randomized at another site