

## Supplementary Online Content

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This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1. Enrolled Participant Baseline Characteristics by Sex, including Stress Testing**

Characteristic	Enrolled Women (N = 2,262)	Enrolled Men (N = 6,256)	P-value
<b>Demographics</b>			
Age at Enrollment (yrs.)			
Median (25th, 75th)	64 (57, 70)	63 (56, 69)	0.10
Race			
American Indian or Alaskan Native	7/2,232 (0.3%)	13/6,201 (0.2%)	<.001
Asian	578/2,232 (25.9%)	1,990/6,201 (32.1%)	
Native Hawaiian or Other Pacific Islander	4/2,232 (0.2%)	15/6,201 (0.2%)	
Black or African American	134/2,232 (6.0%)	276/6,201 (4.5%)	
White	1,504/2,232 (67.4%)	3,891/6,201 (62.7%)	
Multiple Races Reported	5/2,232 (0.2%)	16/6,201 (0.3%)	
Ethnicity			
Hispanic or Latino	324/2,123 (15.3%)	795/5,801 (13.7%)	0.08
Not Hispanic or Latino	1,799/2,123 (84.7%)	5,006/5,801 (86.3%)	
<b>Clinical History</b>			
Hypertension	1,685/2,247 (75.0%)	4,346/6,227 (69.8%)	<.001
Diabetes	822/2,261 (36.4%)	2,353/6,256 (37.6%)	0.29
Prior Myocardial Infarction	259/2,233 (11.6%)	1,096/6,187 (17.7%)	<.001
Cigarette Smoking			
Never Smoked	1,532/2,200 (69.6%)	2,370/6,077 (39.0%)	<.001
Former Smoker	481/2,200 (21.9%)	2,847/6,077 (46.8%)	
Current Smoker	187/2,200 (8.5%)	860/6,077 (14.2%)	
<b>Lab Values</b>			
eGFR from Enrollment (mL/min) Median (25th, 75th)	79 (66, 94)	83 (71, 99)	<.001
Type of Stress Test Performed			
Stress Imaging Performed	1,624/2,262 (71.8%)	4,316/6,255 (69.0%)	0.01
Nuclear Performed	928/2,262 (41.0%)	2,915/6,255 (46.6%)	<.001
Echo Performed	598/2,262 (26.4%)	1,186/6,255 (19.0%)	<.001
CMR Performed	98/2,262 (4.3%)	215/6,255 (3.4%)	0.05
Exercise Tolerance Test (ETT) Performed	638/2,262 (28.2%)	1,939/6,255 (31.0%)	0.01
<b>Qualifying Stress Test Core Lab Interpretation</b>			
Ischemia Severity by Imaging Modality			
Stress Imaging			
Severity			<.001
Severe	552/1,609 (34.3%)	1,726/4,267 (40.4%)	
Moderate	596/1,609 (37.0%)	1,582/4,267 (37.1%)	
Mild	263/1,609 (16.3%)	550/4,267 (12.9%)	

<b>Characteristic</b>	<b>Enrolled Women (N = 2,262)</b>	<b>Enrolled Men (N = 6,256)</b>	<b>P-value</b>
None	198/1,609 (12.3%)	409/4,267 (9.6%)	
Exercise Tolerance Test (ETT)			
<i>Severity</i>			<.001
Severe	382/551 (69.3%)	1,333/1,726 (77.2%)	
Moderate	98/551 (17.8%)	247/1,726 (14.3%)	
Mild	33/551 (6.0%)	76/1,726 (4.4%)	
None	38/551 (6.9%)	70/1,726 (4.1%)	
Nuclear			
<i>Severity</i>			<.001
Severe	194/917 (21.2%)	982/2,881 (34.1%)	
Moderate	391/917 (42.6%)	1,197/2,881 (41.5%)	
Mild	182/917 (19.8%)	384/2,881 (13.3%)	
None	150/917 (16.4%)	318/2,881 (11.0%)	
Echo			
<i>Severity</i>			0.34
Severe	294/595 (49.4%)	632/1,172 (53.9%)	
Moderate	187/595 (31.4%)	313/1,172 (26.7%)	
Mild	72/595 (12.1%)	146/1,172 (12.5%)	
None	42/595 (7.1%)	81/1,172 (6.9%)	
CMR			
<i>Severity</i>			0.31
Severe	64/97 (66.0%)	112/214 (52.3%)	
Moderate	18/97 (18.6%)	72/214 (33.6%)	
Mild	9/97 (9.3%)	20/214 (9.3%)	
None	6/97 (6.2%)	10/214 (4.7%)	

CCTA = coronary CT angiography; CMR = stress cardiac magnetic resonance imaging

**eTable 2.** Functional Capacity According to Imaging Modality by Sex among Randomized Participants

Characteristic	Randomized Women (N=1,168)	Randomized Men (N=4,011)	P-value
<b>Exercise with or without Imaging</b>			
Peak METs Achieved	N=541	N=2,307	<.001
Median (25th, 75th)	6 (5, 8)	7 (6, 9)	
% MPHR Maximal Predicted Heart Rate Achieved	N=478	N=2,113	<.001
Median (25th, 75th)	1.01 (0.93, 1.11)	0.99 (0.89, 1.07)	
<b>ETT Only</b>			
Peak METs Achieved	N=226	N=984	<.001
Median (25th, 75th)	6 (5, 7)	7 (6, 8)	
% MPHR Maximal Predicted Heart Rate Achieved	N=226	N=986	<.001
Median (25th, 75th)	1.00 (0.92, 1.09)	0.97 (0.87, 1.06)	
<b>Exercise Nuclear</b>			
Peak METs Achieved	N=143	N=790	<.001
Median (25th, 75th)	6 (5, 8)	8 (6, 10)	
% MPHR Maximal Predicted Heart Rate Achieved	N=96	N=623	0.001
Median (25th, 75th)	0.96 (0.80, 1.03)	1.00 (0.90, 1.07)	
<b>Exercise Echo</b>			
Peak METs Achieved	N=171	N=533	<.001
Median (25th, 75th)	6 (5, 8)	8 (6, 9)	
% MPHR Maximal Predicted Heart Rate Achieved	N=155	N=504	<.001
Median (25th, 75th)	1.07 (0.99, 1.16)	1.02 (0.94, 1.12)	
<b>Combined Exercise Nuclear + Echo</b>			
Peak METs Achieved	N=314	N=1,323	<.001
Median (25th, 75th)	6 (5, 8)	8 (6, 10)	
% MPHR Maximal Predicted Heart Rate Achieved	N=251	N=1,127	0.03
Median (25th, 75th)	1.03 (0.95, 1.13)	1.01 (0.92, 1.08)	

There was no difference between the sexes in Duke Treadmill Score.

**eTable 3.** Extent of CAD by Sex among Enrolled Participants Undergoing Coronary CT Angiography with Core Lab-Verified Moderate-Severe Ischemia<sup>†</sup>

Characteristic	Women with Core Lab-Verified Moderate-Severe Ischemia (N=692)	Men with Core Lab-Verified Moderate-Severe Ischemia (N=2,705)	P-value
No. Diseased Vessels ≥50% Stenosis by CCTA			<.001
0	0/490 (0.0%)	1/2,134 (0.0%)	
1	154/490 (31.4%)	453/2,134 (21.2%)	
2	160/490 (32.7%)	669/2,134 (31.3%)	
≥3	176/490 (35.9%)	1,011/2,134 (47.4%)	
Left Main ≥50% Stenosis by CCTA	1/680 (0.1%)	11/2,665 (0.4%)	0.48
No. Diseased Vessels ≥70% Stenosis by CCTA			<.001
0	64/417 (15.3%)	175/1,822 (9.6%)	
1	198/417 (47.5%)	715/1,822 (39.2%)	
2	100/417 (24.0%)	557/1,822 (30.6%)	
≥3	55/417 (13.2%)	375/1,822 (20.6%)	
Left Main ≥70% Stenosis by CCTA	0/680 (0.0%)	1/2,665 (0.0%)	>0.99
Segment Stenosis Score	N=490	N=2,134	
Median (25th, 75th)	22 (17, 27)	25 (20, 31)	<.001
Segment Involvement Score	N=490	N=2,134	
Median (25th, 75th)	11 (9, 13)	12 (10, 13)	<.001
<sup>†</sup> Excludes participants with prior coronary artery bypass grafting. CCTA= coronary computed tomographic angiography			

**eTable 4. Randomized Participant Baseline Medications by Sex**

Medication	Randomized Women (N=1,168)	Randomized Men (N=4,011)	P-value
Anti-platelet Medications	1,085/1,168 (92.9%)	3,787/4,007 (94.5%)	0.04
Aspirin	1,036/1,168 (88.7%)	3,611/4,007 (90.1%)	0.16
Clopidogrel	289/1,168 (24.7%)	1,056/4,007 (26.4%)	0.27
Other <sup>1</sup>	25/1,168 (2.1%)	93/4,007 (2.3%)	0.72
Anticoagulant Medications	39/1,158 (3.4%)	164/3,973 (4.1%)	0.24
Warfarin	20/1,158 (1.7%)	86/3,973 (2.2%)	0.36
Dabigatran, Apixaban, Rivaroxaban	18/1,158 (1.6%)	72/3,973 (1.8%)	0.56
Other <sup>2</sup>	1/1,158 (0.1%)	7/3,973 (0.2%)	0.69
Anti-platelet or Anticoagulant Medications	1,106/1,167 (94.8%)	3,872/4,007 (96.6%)	0.003
Statins	1,087/1,168 (93.1%)	3,817/4,006 (95.3%)	0.003
<i>Statin Type</i>			0.10
Rosuvastatin	263/1,168 (22.5%)	905/4,006 (22.6%)	
Atorvastatin	639/1,168 (54.7%)	2,311/4,006 (57.7%)	
Simvastatin	158/1,168 (13.5%)	493/4,006 (12.3%)	
Other	108/1,168 (9.2%)	297/4,006 (7.4%)	
High-Intensity Statin <sup>3</sup>			<.001
Yes	377/1,168 (32.3%)	1,534/4,006 (38.3%)	
No/Unknown Dose	791/1,168 (67.7%)	2,472/4,006 (61.7%)	
Ezetimibe	55/1,168 (4.7%)	157/4,007 (3.9%)	0.23
Fibrate	33/1,168 (2.8%)	114/4,007 (2.8%)	0.97
Fish Oil	29/1,168 (2.5%)	162/4,007 (4.0%)	0.01
Other Lipid Lowering Medication <sup>4</sup>	5/1,168 (0.4%)	32/4,007 (0.8%)	0.19
Anti-Hypertensive and Anti-Ischemic/Anginal Medications	1,130/1,168 (96.7%)	3,887/4,007 (97.0%)	0.65
Beta Blocker	940/1,168 (80.5%)	3,221/4,007 (80.4%)	0.94
Calcium Channel Blocker	382/1,168 (32.7%)	1,196/4,007 (29.8%)	0.06
ACE Inhibitor	425/1,168 (36.4%)	1,716/4,007 (42.8%)	<.001
Angiotensin Receptor Blocker (ARB)	373/1,168 (31.9%)	933/4,007 (23.3%)	<.001
ACE Inhibitor or ARB	788/1,168 (67.5%)	2,628/4,007 (65.6%)	0.23
Aldosterone Antagonist	31/1,168 (2.7%)	84/4,007 (2.1%)	0.26
Diuretic	315/1,168 (27.0%)	767/4,007 (19.1%)	<.001
Alpha 1 Blocker	23/1,168 (2.0%)	161/4,007 (4.0%)	<.001
Long-acting Nitrate	390/1,168 (33.4%)	1,285/4,007 (32.1%)	0.40
Ranolazine	55/1,168 (4.7%)	204/4,007 (5.1%)	0.60
Trimetazidine	60/1,168 (5.1%)	185/4,007 (4.6%)	0.46
Ivabradine	15/1,168 (1.3%)	45/4,007 (1.1%)	0.65
Nicorandil	32/1,168 (2.7%)	138/4,007 (3.4%)	0.24
Other <sup>5</sup>	18/1,168 (1.5%)	47/4,007 (1.2%)	0.32

Medication	Randomized Women (N=1,168)	Randomized Men (N=4,011)	P-value
<p><sup>1</sup>Includes Ticlopidine, Prasugrel, Ticagrelor, Cilostazol, and other anti-platelet medications, including types classified as "Unknown".</p> <p><sup>2</sup>Includes anticoagulant medications such as Enoxaparin and Dalteparin as well as types classified as "Unknown".</p> <p><sup>3</sup>High-intensity dose of Rosuvastatin or Atorvastatin at the randomization visit. A "No/Unknown Dose" includes Not Applicable, Unknown, and null responses.</p> <p><sup>4</sup>Includes medications such as Saroglitazar and Ranozex as well as medications classified as "Unknown". In addition, products such as red yeast rice and flax seed oil are also included.</p> <p><sup>5</sup>Includes medications such as Renin Inhibitors, Hydralazine, Moxonidine as well as anti-hypertensive and anti-ischemic/anginal medications classified as "Unknown".</p>			

**eTable 5.** Vital Signs, Laboratory Values and Functional Status by Sex among Randomized Participants

Characteristic	Randomized Women (N=1,168)	Randomized Men (N=4,011)	P-value
<b>Vital Signs</b>			
Heart Rate (bpm)	N=1,162	N=3,984	
Median (25th, 75th)	68 (61, 76)	67 (60, 75)	<.001
Blood Pressure (mmHg)	N=1,164	N=3,986	
Systolic Median (25th, 75th)	130 (120, 145)	130 (120, 142)	0.02
Diastolic Median (25th, 75th)	75 (70, 80)	78 (70, 82)	<.001
Body Mass Index (BMI) (kg/m <sup>2</sup> )	N=1,160	N=3,964	
Median (25th, 75th)	28.2 (25.0, 32.5)	27.6 (24.9, 31.0)	<.001
<b>Lab Values</b>			
Total Cholesterol (mg/dL)	N=1,143	N=3,931	
Median (25th, 75th)	166.7 (141.1, 203.4)	150.0 (127.0, 181.0)	<.001
Triglycerides (mg/dL)	N=1,125	N=3,859	
Median (25th, 75th)	126.0 (97.0, 174.3)	123.9 (89.4, 177.0)	0.10
HDL Cholesterol (mg/dL)	N=1,134	N=3,889	
Median (25th, 75th)	48.0 (41.0, 58.0)	41.4 (35.0, 49.0)	<.001
LDL Cholesterol (mg/dL)	N=1,116	N=3,824	
Median (25th, 75th)	90.9 (69.0, 120.5)	81.0 (61.9, 107.0)	<.001
HbA1c for Diabetics (%)	N=478	N=1,523	
Median (25th, 75th)	7.5 (6.6, 8.7)	7.2 (6.5, 8.2)	<.001
Hemoglobin (g/dL)	N=1,107	N=3,780	
Median (25th, 75th)	13.0 (12.2, 13.9)	14.3 (13.4, 15.2)	<.001
Estimated GFR from Enrollment (mL/min)	N=1,168	N=4,011	
Median (25th, 75th)	76 (61, 92)	83 (69, 98)	<.001

**eTable 6. Study Personnel**

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	John Doan, MD	Decatur, GA	Atlanta VA Medical Center (139)
	Jason Linefsky, MD	Raven Lee, CCRP		
		Risha Patel		
	Todd Miller, MD	So Yang Cho	Rochester, MN	Mayo Clinic (50)
		Susan Milbrandt		
		Dawn Shelstad		
	Subhash Banerjee, MD	Preeti Kamath, BDS, MHA, CCRP	Dallas, TX	V.A. North Texas Health Care System (35)
		Ishita Tejani, BDS, MS, MSPH		
	Harmony R. Reynolds, MD	Stanley E. Cobos, BA	New York, NY	NYU Langone Medical Center-Bellevue Hospital (26)
	Jonathan D. Newman, MD, MPH	Kirsten J. Quiles, MS		
	Sripal Bangalore, MD	Raven R. Dwyer, MPH		
	Robert M. Donnino, MD	Dalisa Espinosa, MBS		
	Lawrence M. Phillips, MD			
	Muhamed Saric, MD, PhD			
		Allison Schley, BS	Detroit, MI	

	Khaled Abdul-Nour, MD	Heather Golden		Henry Ford Health System (21)
	Peter H. Stone, MD	Hermine Osseni, MS	Boston, MA	Brigham & Women's Hospital, Harvard Medical School (21)
		Charlene Wiyarand		
		Peter Douglass, BA		
		Hayley Pomeroy, BA		
		Alexandra Craft, BA		
		Bethany Harvey, BA		
	James J. Jang, MD	Olivia Anaya	San Jose, CA	Kaiser Permanente San Jose (18)
	Gennie Yee, MD	Phoebe Goold, RN		
	Steven Weitz, MD	Steven Giovannone	Schenectady, NY	Cardiology Associates of Schenectady P.C. (17)
		Lori Pritchard, RN		
	Suzanne Arnold, MD	Rosann Gans, RN	Kansas City, MO	Saint Luke's Hospital (17)
	James Henry O'Keefe, Jr, MD (PI from 2012-2016)	Paul Kennedy, RN		
	Michael D. Shapiro, DO	Shobana Ganesan, PhD	Portland, OR	Oregon Health & Science University (17)
		David Schlichting, LPN		
		Aynun Naher		
	Mohammad El-Hajjar, MD		Albany, NY	Albany Medical Center Hospital (16)
	Mandeep S. Sidhu, MD, MBA			
	Steven A. Fein, MD	Wendy L. Stewart, MS		
	Mikhail T. Torosoff, MD, PhD	Kristin M. Salmi, BS		
	Radmila Lyubarova, MD			
	Sulagna Mookherjee, MD			
	Krzysztof Drzymalski, MD			
	Edward O. McFalls, MD, PhD		Minneapolis, MN	Minneapolis VAMC (15)

	Santiago A. Garcia, MD			
	Stefan C. Bertog, MD	Debra K. Johnson, RN		
	Rizwan A. Siddiqui, MD	Rebekah R. Herrmann, RN		
	Areef Ishani, MD			
	Ronnell A. Hansen, MD			
	Michel Georges Khouri, MD	Kristine Arges	Durham, NC	Duke University Medical Center (15)
		Melissa LeFevre		
		Jennifer Tomfohr		
	Jonathan L. Goldberg, MS, MD	Kimberly Ann Byrne	Cleveland, OH	Louis Stokes Cleveland Veterans Affairs Medical Center (14)
		Taissa Zappernick		
	Richard Goldweit, MD	Sallie Canada	Englewood, NJ	Englewood Hospital and Medical Center (13)
		Meghana Kakade		
		Patricia Miseses		
		Stanley E. Cobos, BA	Brooklyn, NY	NYU-HHC Woodhull Hospital (12)
		Raven R. Dwyer, MPH		
	Ronny A. Cohen, MD	Dalisa Espinosa, MBS		
	Brooks Mirrer, MD	Kirsten J. Quiles, MS		
	Victor Navarro, MD	Magdalena Rantinella, BS		
		Jessica Rodriguez, BS		
		Olivia Mancilla, BS		
	David E. Winchester, MD, MS	Susan Stinson, RN	Gainesville, FL	Malcom Randall VAMC (11)
	Marvin Kronenberg, MD	Terry Weyand	Nashville, TN	Vanderbilt University Medical Center (11)
	Philip Rogal, MD	Sherron C. Crook		
	Christopher McFarren, MD			
	John F. Heitner, MD	Jean Ho	Brooklyn, NY	
		Saadat Khan		

		Mahmoud Mohamed		New York - Presbyterian/Brooklyn Methodist Hospital (10)
	Ira M. Dauber, MD	Mary R. Soltau, RN	Littleton, CO	South Denver Cardiology Associates, P.C. (10)
		Delsa K. Rose, RN		
		Rebecca J. Wimmer, RN		
		Kathy E. Siegel, RN		
		Susan Derbyshire		
	Charles Cannan, MD	Michelle Dixon	Portland, OR	Providence Heart and Vascular Institute (10)
		Gerald Leonard		
	Sriram Sudarshan, MD	Ciarra Heard, LVN	Wichita Falls, TX	Wichita Falls Heart Clinic (9)
		Viviana Gabriel, LVN		
		Sukie Desire		
	Puja K. Mehta, MD		Atlanta, GA	Emory University (9)
	Michael McDaniel, MD	Fauzia Rashid, PhD		
	Stamatios Lerakis, MD	Senait Asier		
	Arshed Quyyumi, MD	Keyur Patel		
	Nanette K. Wenger, MD			
	Chester M. Hedgepeth, MD, PhD	Jennifer Gillis, APRN	Warwick, RI	Kent Hospital (9)
	Heather Hurlburt, MD	Megan Manocchia, RN		
	Alan Rosen, MD	Susan Moore, RN		
		Elizabeth Congdon		
	Zakir Sahul, MD	Gail Brandt	Ypsilanti, MI	Michigan Heart, PC (9)
		Nora Marchelletta		
		Kristina Wippler		
	David Booth, MD	Yvonne Taul, RN	Lexington, KY	University of Kentucky (8)
	Steve Leung, MD	Jennifer Isaacs, MS		

	Ahmed Abdel-Latif, MD, PhD	Viktoria Bulkley, RN		
	Hassan Reda, MD	Caroline Rodgers		
	Khaled Ziada, MD			
	Sampoornima Setty, MD	Kimberly E. Halverson, RHIT	La Crosse, WI	Gundersen Lutheran Medical Center (8)
		Christine Roraff, RN		
		Jonean Thorsen, RN		
	Rajat S. Barua, MD, PhD	Amarachi Ojajuni	Kansas City, MO	Kansas City VA Medical Center (8)
		Oni Olurinde		
		Kamalakar Surineni		
	Fadi Hage, MD	Badhma Valaiyapathi, MD	Birmingham, AL	UAB Vascular Biology and Hypertension Program (8)
	Christiano Caldeira, MD			
	James E. Davies, MD			
	Massoud Leesar, MD			
	Jaekyeong Heo, MD			
	Amy Iskandrian, MD			
	Firas Al Solaiman, MD			
	Satinder Singh, MD			
	Khaled Dajani, MD	Carol M. Kartje, BSN	Maywood, IL	Loyola University Medical Center (8)
	Mohammad El-Hajjar, MD		Albany, NY	Samuel Stratton VA Medical Center of Albany NY (7)
	Paul Der Mesropian, MD			
	Joseph Sacco, MD	Michele Rawlins, NP		
	Brian McCandless, MD	Jennifer Thomson, MA		
	Marisa Orgera, MD			
	Mandeep S. Sidhu, MD, MBA (2012-2016 )			

		Mary Colleen Rogge, RN	Cincinnati, OH	Cincinnati VA Medical Center (7)
	Imran Arif, MD	Julie Bunke , BA		
	Hanan Kerr, MD	Kendra Unterbrink , PA		
		Jacqueline Fannon, RN		
		Cynthia Burman, NP		
	Jorge F. Trejo (Gutierrez), MD	Marcia F. Dubin, CCRP	Jacksonville, FL	Mayo Clinic Florida (7)
	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			
	Anthony Gemignani, MD	Sarah Beaudry, RN	White River Junction, VT	VAMC-White River Junction (7)
	Daniel O'Rourke, MD			
	Judith L. Meadows, MD	Stephanie A. Tirado, RN	West Haven, CT	VA Connecticut Healthcare System (7)
		Janet Halliday		
		Pamela Julian		
	Jason T. Call, MD	Stephanie, M. Lane, RN, BSN, CCRN	Winchester, VA	Winchester Cardiology and Vascular Medicine, PC (7)
		Jennifer L. Stanford, RN, MSN		
	Joseph Hannan, MD	Patricia Arsenault, RN	Worcester, MA	Saint Vincent Hospital at Worcester Medical Center (7)
	Robert Bojar, MD			
	Deepti Kumar, MD			

	John Mukai, MD			
	Edward T. Martin, MS, MD	Miriam Brooks	Tulsa, OK	Oklahoma Heart Institute (7)
	Gabriel Vorobiof, MD	Ladda Douangvila	Los Angeles, CA	Ronald Reagan UCLA Medical Center (7)
		Rubine Gevorgyan		
	Alec Moorman, MD	Fatima Ranjbaran, RN	Seattle, WA	University of Washington Medical Center (7)
		Bryn Smith, BS		
		Carly Ohmart		
	Scott Kinlay, MBBS, PhD		West Roxbury, MA	VA Boston Healthcare System (6)
	Robert J. Hamburger, MD			
	Thomas P. Rocco, MD	Samantha Ly, MA		
	Deepak L. Bhatt, MD, MPH	Margot C. Quinn, BA		
	Kevin Croce, MD, PhD	Sara Temiyasathit, PhD		
	Jacquelyn A Quin, MD	Jacquelyn Do, MPH		
	Jati Anumpa, MD	Desiree Tobin, MPH		
	Marco Zenati, MD, MSc			
	David P Faxon, MD			
	Glenn Rayos, MD	Jennifer Langdon	Daytona Beach, FL	Daytona Heart Group (6)
		Marcia Werner Bayer		
	Ashraf Seedhom, MD	Amanda O'Malley	Albany, NY	Capital Cardiology Associates (6)
	Lance Sullenberger, MD	Erin Orvis		
	Gregory Kumkumian, MD	Mandy Murphy, RN	Bethesda, MD	NIH Heart Center at Suburban Hospital (6)
		Ann Greenberg, RN		
		Margaret Iraola, RN		
	Steven P. Sedlis, MD	Leandro C. Maranan, CCRC	New York, NY	VA New York Harbor Health Care System (6)

	Robert M. Donnino, MD			
	Jeffrey Lorin, MD			
	Jacqueline E. Tamis-Holland, MD	Ammy Malinay, RN	Ridgewood, NJ	Mount Sinai Saint Luke's Hospital (6)
	Robert Kornberg, MD			
	Robert Leber, MD			
	Souheil Saba, MD	Candice P. Edillo, RN	Southfield, MI	Providence - Providence Park Hospital (6)
	Michael W. Lee, MD			
	Delano R. Small, MD			
	Wassim Nona, MD			
	Patrick B. Alexander, MD			
	Iram Rehman, MD			
	Umesh Badami, MD	Ann Ostrander, RN	Saginaw, MI	Covenant Medical Center, Inc. (5)
		Stephanie Wasmiller, RN		
	Kevin Marzo, MD	Wendy Drewes, RN	Mineola, NY	NYU Winthrop (5)
		Dipti Patel, RN		
	Inga H. Robbins, MD		Pomona, NJ	AtlantiCare Regional Medical Center (5)
	Howard A. Levite, MD	Jackie M White, RN, BSN CCRC		
	Sanjay Shetty, MD	Alison Hallam		
	Mayuri Patel, MD			
	Glenn S. Hamroff, MD	Benjamin J Spooner, RPA-C	Cortlandt Manor, NY	NYP Medical Medical Group Hudson Valley Cardiology (5)
		Linda M Hollenweger, LPN, CCRC		
	Raymond W. Little, MD	Holly Little	Houston, TX	Houston Heart & Vascular Associates (5)
	Brandi D. Zimbelman, FNP-C	Tiffany Little		
	Charles Y. Lui, MD	Nona A Eskelson, RN	Salt Lake City, UT	

	Brigham R. Smith, MD			Salt Lake City VA Medical Center (4)
	Daniel P. Vezina, MD, MSC			
	Lillian L. Khor, MBBCh, MSc			
	Josephine D. Abraham, MD, MPH			
	David A. Bull, MD			
	Stephen H. McKellar, MD, MSc			
	David Booth, MD	Yvonne Taul, RN	Lexington, KY	Lexington VA Medical Center (4)
	John Kotter, MD	Caroline Rodgers, RN		
	Ahmed Abdel-Latif, MD, PhD	Jennifer Isaacs, MS		
		Viktoria Bulkley		
	Bob Hu, MD	Renee Kaneshiro	Palo Alto, CA	Palo Alto Medical Foundation Research Institute (4)
	Arthur J. Labovitz, MD		Tampa, FL	University of South Florida (4)
	Michael Berlowitz, MD	Bonnie J. Kirby, RN, MSN		
	Philip Rogal, MD	Nhi N. Tran, MS		
	Christopher McFarren, MD	Catherine Jahrsdorfer, RN, BSN		
	Fadi Matar, MD			
	Christiano Caldeira, MD			
	David J. Maron, MD		Stanford, CA	Stanford University School of Medicine (4)
	Fatima Rodriguez, MD, MPH	Reem Yunis, PhD		
	Ingela Schnittger, MD	Jhina Patro		
	William F. Fearon, MD			

	Prakash Deedwania, MD	Antonia Vega	Fresno, CA	UCSF - Fresno Community Regional Medical Center (4)
	Kiran Reddy, MD			
	Joseph Sweeny, MD	Hugo Bloise-Adames	New York, NY	Icahn School of Medicine at Mount Sinai (4)
		Santa Jimenez		
		Nicole Saint Vrestil		
		Reyna Bhandari		
	Christopher Spizzieri, MD	Danielle Schade	Camp Hill, PA	Holy Spirit Hospital Cardiovascular Institute (4)
		Roxanne Yost		
	Claudia P Hochberg, MD	Paula Beardsley	Boston, MA	Boston Medical Center (4)
		Denise Fine		
	William D. Salerno, MD	Jana Tancredi, RN, MA/MSN, CCRN	Saddle Brook, NJ	Hackensack University Medical Center (4)
		Patricia Arakelian		
		Susan Mathus		
		Deborah O'Neill		
	Ray Wyman, MD	Joy Burkhardt, CCRP	Torrance, CA	Torrance Memorial Medical Center (4)
		Suellen Hosino, RN, BSN, CCRP		
		Oksana A. Lubyanyaya, BA	Santa Ana, CA	Coastal Heart Medical Group (4)
		Jose D. Salas, BS		
	Amer Zarka, MD	Maria Aguirre		
	Anil V. Shah, MD	Manu Dhawan		
		Diana Parra		
		Tri Tran		
	Thomas Haldis, DO	Catherine Weick, BSRT(R)(VI)	Fargo, ND	Sanford Health (4)
		Katie Fowler-Lehman, BSN		
		Natalie Spitzer, BSN		
		Casey Riedberger		
		Catherine Weick		

	Jeffrey A. Kohn, MD	Stanley E. Cobos, BA	New York, NY	NYU New York Medical Associates (4)
		Raven R. Dwyer, MPH		
		Dalisa Espinosa, MBS		
		Kirsten J. Quiles, MS		
	Saket Girotra, MD	Carrie Drum, RN	Iowa City, IA	University of Iowa Hospitals and Clinics (4)
		Kimberly Miller-Cox, RN		
		Amy Ollinger, RN		
	Omar Almousalli, MD	Elizabeth Capasso-Gulve	Fairview Heights, IL	Advanced Heart Care Group (4)
		Alaine Melanie Loehr		
		Marlowe Mosley		
	Mayil S. Krishnam, MD	Shirin Heydari, MS	Orange, CA	University of California Irvine Medical Center (3)
	Jeffrey C. Milliken, MD	Andrea M. Lundeen, MA		
	Pranav M. Patel, MD	Edgar Karanjah, MD		
	Arnold H. Seto, MD	Wanda C. Marfori, MD		
	Kevin T. Harley, MD	Eduardo Hernandez-Rangel, MD		
	Michael A. Gibson, MD	Pam Singh		
	Byron J. Allen, MD			
	Rita Coram, MD	Anne Marie Webb, BSN	Louisville, KY	University of Louisville (3)
		Ellie Fridell, BS		
		Heidi Wilson, BS		
	Sabu Thomas, MD, MSc	Angela Kim, BS	Rochester, NY	University of Rochester (3)
	Ronald G Schwartz, MD, MS	Patrick Wilmot, BS		
	Wei Chen, MD, MS			
	Mahfouz El Shahawy, MD	Ramona Stevens	Sarasota, FL	Cardiovascular Center of Sarasota (3)
	James Stafford, MD	Loriane Black	Baltimore, MD	University of Maryland Medical Center (3)

	William B. Abernethy, MD	Amber B. Hull, RN	Asheville, NC	Asheville Cardiology Associates (3)
		Olivia J. Lim, RN		
		Helen C. Tucker		
		Natasha C. Putnam, RN		
		Linda L. Hall		
		Tia Cauthren		
		Trish Tucker		
	Andrew Zurick, MD	Hollie Horton	Nashville, TN	Saint Thomas Hospital (3)
		Jan Orga		
	Thomas M. Meyer, MD	Joyce R. White, MSN NP-C	Lynchburg, VA	Stroobants Cardiovascular Center (3)
	Ronald G. Morford, MD	Cynthia Baumann, RN		
	Bruce Rutkin, MD	Vidya Seeratan	Manhasset, NY	Northwell Health - Manhasset (3)
	Sabahat Bokhari, MD	Magnolia Jimenez	New York, NY	Columbia University Medical Center (3)
	Seth I. Sokol, MD	Cidney Schultz, RN	Bronx, NY	Jacobi Medical Center (3)
	Jay Meisner, MD	Jeanne Russo, RN		
	Ihab Hamzeh, MD			
	Arunima Misra, MD	Zohra Huda, RN, BSN, CCRP	Houston, TX	Baylor College of Medicine (3)
	Matthew Wall Jr., MD	Araceli Boan		
	Veronica Lenges De Rosen, MD			
	Mahboob Alam, MD			
	Michael C. Turner, MD	Christine R Hinton	Lake Charles, LA	Cardiovascular Specialists of Southwest Louisiana (3)
	Thomas J. Mulhearn, MD			
	Arnold P. Good, MD	Beth A. Archer, BSN, RN	Columbus, OH	Ohio Health Grant Medical Center (3)
		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		
	Nicolas W. Shammas, MD, MS	Gail A Shammas, BSN, RN	Davenport, IA	Midwest Cardiovascular Research Foundation (3)
		Lori Christensen		
		Holly Park		
	Robert Chilton, MD	Joan Hecht	San Antonio, TX	Audie Murphy V.A. (2)
	Patricia K. Nguyen, MD	Davis Vo, BS	Palo Alto, CA	VA Palo Alto Healthcare System (2)
		James Hirsch		
	Matthew Jezior, MD	Jody Bindeman	Bethesda, MD	Walter Reed National Military Medical Center (2)
		Sara Salkind		
		Dalisa Espinosa, MBS	Providence, RI	Miriam Hospital (2)
		Lori-Ann Desimone, BSN		
	Paul C. Gordon, MD	Lina Felix-Stern		
	Thomas Crain, MD	Jassira Gomes		
		Catherine Gordon, BSN		
	Robert Stenberg, MD	Aimee Mann	Johnstown, PA	Conemaugh Valley Memorial Hospital (2)
		Theresa McCreary		
	Ronald P. Pedalino, MD	Stanley E. Cobos, BA	Brooklyn, NY	NYU-HHC Kings County Hospital Center (2)
		Raven R. Dwyer, MPH		
		Dalisa Espinosa, MBS		
		Kirsten J. Quiles, MS		
	Joseph Wiesel, MD	Stanley E. Cobos, BA	Flushing, NY	New York University - Langone
		Raven R. Dwyer, MPH		

		Dalisa Espinosa, MBS		Cardiovascular Associates (2)
		Kirsten J. Quiles, MS		
	George J. Juang, MD	Candace Gopaul, BS	Brooklyn, NY	Coney Island Hospital (2)
		Karen Hultberg		
		Tauqir Huk		
		Afshan Hussain		
	Mohammed Al-Amoodi, MD	Yesenia Zambrano, BS	Yuma, AZ	Yuma Regional Medical Center (2)
		Sarah Medina Rodriguez		
		Trudie Milner		
	David Wohns, MD	Abbey Mulder, RN	Grand Rapids, MI	Spectrum Health (2)
		Stacie Van Oosterhout, MEd		
	Ellis W. Lader, MD	Martha Meyer, RN, MSN	Kingston, NY	Mid Valley Cardiology (1)
	Michael Mumma, MD	Nancy L. Clapp, RN, BA, CCRC	Sarasota, FL	Sarasota Memorial Hospital (1)
		Heather Barrentine		
	Lekshmi Dharmarajan, MD	Jenne M. Jose, PA	Bronx, NY	NYU-HHC Lincoln Medical and Mental Health Center (1)
		Stanley E. Cobos, BA		
		Raven R. Dwyer, MPH		
		Dalisa Espinosa, MBS		
		Kirsten J. Quiles, MS		
		Jenne Manchery		
	Joseph F.X. McGarvey Jr, MD	Vera McKinney, RN	Doylestown, PA	Doylestown Health Cardiology (1)
		Linda Schwarz, RN		
	Thomas R. Downes, MD (till Dec. 2016)	Scott M. Kaczowski	Loveland, CO	Medical Center of the Rockies (1)
	Gary J. Luckasen, MD (from Dec. 2016)	Adam J. Jaskowiak		
		Joel Klitch		
	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		Indianapolis, IN	Indiana University/Krannert Institute of Cardiology (1)
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	George E. Revtyak, MD	Judy Mae Foltz, RN,CCRC		
	Jonathan W. Bazeley, MD			
	Dayuan Li, MD	Emily DeRosa	St. Paul, MN	HealthEast Saint Joseph's Hospital (1)
		Beth Jorgenson		
		Joyce Riestenberg-Smith		
	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	Sugar land, TX	Medicus Alliance Clinical Research Org., Inc. (1)
		Michelle Mayon		
	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	Beverly Hills, CA	Cedars Sinai Medical Center (1)
		Lucilla Garcia		
		Maria Thottam		
India (941)				
Country Leader				
Balram Bhargava, DM				
		Anjali Anand, MSc	Calicut	Government Medical College (208)
	Sajeev Chakanalil Govindan, MD, DNB, DM, PhD	Janitha Raj, B.Tech		

	Rajesh Gopalan Nair, MD, DNB, DM	Reshma Ravindran, MSc		
		Rajalekshmi VS, MSc, MScCRRA		
	Cholenahally Nanjappa Manjunath, MD, DM	Nandita Nataraj, BE(Biotech) PGDICRCMD	Bengaluru	Sri Jayadeva Institute of Cardiovascular Sciences and Research (149)
	Nagaraja Moorthy, MD, DM	Soundarya Nayak, BE(Biotech) PGDICRCMD		
	Satvic Cholenahally Manjunath, MD,DM	Mahevamma Mylarappa, GNM (General Nursing)		
	Suryaprakash Narayanappa, MBBS			
	Neeraj Pandit, MD, DM	Sheromani Bajaj	New Delhi	Dr Ram Manohar Lohia Hospital (101)
	Ranjit Kumar Nath, MD, DM	Vandana Yadav, Msc,PGDACR		
		Girish Mishra, Msc, PGDACR		
	S.K. Dwivedi, DM	Roma Tewari, PG	Lucknow	King George's Medical University, Department of Cardiology (100)
	V.S. Narain, DM	Meenakshi Mishra, PG		
	Sharad Chandra, DM	Shivali Patel		
		Suman Singh, PG		
	Gurpreet S. Wander, DM		Ludhiana	Hero DMC Heart Institute, Dayanand Medical College and Hospital (83)
	Rohit Tandon, MD			
	Sarju Ralhan, M.Ch (CTVS)	Baljeet Kaur, MSc (Biotechnology)		
	Naved Aslam, DM	Sonika Gupta , MBA, B. Pharmacy		
	Abhishek Goyal, DM			
	Balram Bhargava, DM	Chandini Suvarna, BDS	New Delhi	All India Institute Of Medical Sciences (67)

	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			
	Anoop Mathew, MD	Binoy Mannekkattukudy Kurian	Kolenchery	MOSC Medical College Hospital (39)
	Eapen Punnoose, MD			
	Milind Avdhoot Gadkari, MD	Sheetal Rupesh Karwa, BHMS	Pune	KEM Hospital Pune (35)
	Siddharth Gadage, MD DNB	Suvarna Kolhe, MSc		
	Tapan Umesh Pillay, BHMS MSc			
	Santhosh Satheesh, MBBS, MD, DM	R. J. Vindhya, B.Sc. (Bio-Technology), MSc(Bio-Informatics)	Pondicherry	Jawaharlal Institute of Postgraduate Medical

				Education & Research (JIPMER) (31)
		Peeyush Jain, MD	New Delhi	Fortis Escort Heart Institute (31)
		Ashok Seth, MD		
		Zile Singh Meharwal, MD		
	Atul Mathur, MD	Atul Verma, MD		
	Upendra Kaul, MD	Mona Bhatia, MD		
		Ankush Sachdeva, MD		
		Thounaojam Indira Devi, RN		
		Nungshi Jungla, RN		
	Johann Christopher, MD, DNB	K. Manjula Rani, MSc.	Hyderabad	Gurunanak CARE Hospital (27)
	Rajeev Menon, MD, DNB	M. Sowjanya Reddy, BSc		
	Nirmal Kumar, MD, DNB	K. Preethi, BSc		
	Abraham Oomman, MD,DM,DNB	Rinu R sidh, MSc(Clinical Research)	Chennai	Apollo Research and Innovation (23)
	Robert Mao, MD, DM	Ramakrishnan T., B.Tech(Biotechnology )		
	Hilda Solomon, PhD	Rajesh Francis, MSc(Clinical Research)		
	Sudhir Naik, MD, DM	Vamshi Priya P., MSc	Hyderabad	Apollo Research & Innovations (13)
	Sajeeda Parveen Khan, MBBS, (Dip.Card)			
	Johann Christopher, MD	Kotiboinna Preethi	Hyderabad	CARE Nampally (11)
	Nirmal Kumar, MD			
	Purvez Grant, MD	Shweta Hande, BHMS, PGDCR	Pune	

		Poonam Sonawane, B.ScMicrobiology, ACCR		Ruby Hall Clinic, Grant Medical Foundation (10)
	Ranjan Kachru, MD	Abhishek Dubey	New Delhi	Fortis Healthcare Fl.t Lt. Rajan Dhall Hospital (4)
		Kavita Rawat		
	Ajit Kumar VK, MD, DM		Trivandrum	Sree Chitra Tirunal Institute for Medical Sciences and Technology (3)
	Sanjay Ganapathi, MD, DM			
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	Harikrishnan Sivadasanpillai, MD, DM	Manas Chacko, RN		
	Bijulal Sasidharan, MD, DM	Suresh Babu		
	Kapilamoorthy TR, MD			
	Johann Christopher, MD	Sowjanya Reddy	Hyderabad	CARE Hospital (3)
	Praneeth Polamuri, MD	Manjula Rani		
	Upendra Kaul, MD	Priyadarshani Arambam	New Delhi	Batra Hospital and Medical Research Centre (BHMRC) (3)
		Bebek Singh		
United Kingdom (539)				
Country Leaders				
Roxy Senior, MBBS, MD, DM				
Keith AA Fox, MBChB ( <i>past</i> )				
Country Coordinators				
Grace M. Young , MSc, BSc (Hons)				
Kathryn Carruthers ( <i>past</i> )				
	Roxy Senior, MBBS, MD, DM		Harrow	Northwick Park Hospital Harrow/ Royal

	Ahmed Elghamaz, MB BCh			Brompton Hospital London (202)
	Sothinathan Gurunathan, MBChB			
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	Benoy N Shah, MD, MBBS, BSc (Hons)	Christopher Kinsey		
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	Michael B Rubens, LRCP, MRCS, MBBS, DMRD	Jo Evans, RN		
	Edward D Nicol, MD, BMedSci, MBBS, DTM&H	Ikraam Hassan, RN		
	Tarun K Mittal, MD			
	Reinette Hampson, BSc (Hons), BA (Hons)			
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		Kim Holland, RN		
		Karen Swan, RN		
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	Jeet Thambyrajah, MD			
	Thuraia Nageh, BSc(Hons) MBBS MD MRCP	Swapna Kunhunny, MRes Clin Res, BSc (N), RN	Westcliffe on Sea	Southend University Hospital (34)
	John R Davies, MBBS, PhD			
	Steven J. Lindsay, MD	Craig Atkinson, RN	Bradford	Bradford Royal Infirmary (20)
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	Hageel Jamil, MD	Manitha Vinod, RN		

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		Kay Rowe		
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		Dawn Turnbull		
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		Karen Gratrix		
		Stephen Preston		
	Craig Barr, MD	Anne Cartwright	Dudley	Russells Hall Hospital (15)
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	Ian Webb, PhD, MA			
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	Peter OKane, MD	Nicki Lakeman	Bournemouth	Royal Bournemouth Hospital (13)
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	Ramesh de Silva, MB ChB, MD		Bedford	Bedford Hospital NHS Trust (11)
	Dwayne S. G. Conway, MD	Judith Wright	Wakefield	Pinderfields Hospital (11)
		Donna Exley		
	Alexander A Sirker, MB BChir, PhD		London	University College London Hospitals NHS Foundation Trust
		Mervyn Andiapen, RN		

		Amy J. Richards, BSc		BartsHealth NHS Trust
				(11)
	Stephen P Hoole, MD	Lisa Wong, MSc	Cambridge	Papworth Hospital (10)
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	Nicola Johnston, MB, Bch BAO, MRCP, MD		Belfast	Belfast Trust (7)
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	Simon Walsh, MB, Bch BAO, MD	Caroline Brown, RN		
	Hanna Douglas, MB, Bch BAO, MRCP, MD			
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		Laurel Kolakaluri		
		Hannah Phillips		
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		Karen Hallett, RN		
		Carolyn Corbett, RN		
		Lynne Winstanley		
	Paramjit Jeetley, MD	Angelique Smit, RN	London	Royal Free London NHS Foundation Trust (6)
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	Tushar Kotecha, MBChB, Mpharm			
	Christopher Travill, MBBS, MD	Susan Gent, SRN RGN	Luton	Luton and Dunstable University Hospital NHS FT (5)
	Iqbal Karimullah, MBBS	Nafisa Hussain, BSc		
	Mahmud Al-Bustami, MBBS			
	Denise Braganza, MD	Fiona Haines	Peterborough	Peterborough City Hospital (5)
		Joanne Taaffe		

	Robert Henderson, MD	Jane Burton	Nottingham	Nottingham University Hospitals (4)
	Kate Pointon, MBBS	Maria Colton		
	Surendra Naik, PhD	Rachel King		
	Thomas Mathew, MBBS, MD, DM			
		Ammani Brown, MSc BA RN	Clydebank	University of Glasgow (4)
		Andrew Docherty, RN		
	Colin Berry, BSc MB ChB, PhD	Lisa McCloy, RN		
	Damien Collison, MB ChB	Kate Robb, RN		
	Giles Roditi, MB ChB	Craig Paterson, PhD		
		Wenda Crawford, RN		
		Joanne Kelly, RN		
		Lorraine McGregor, RN		
	Andrew J Moriarty, BSc MB PhD	Anne Mackin, RN, BSc	Craigavon	Cardiovascular Research Unit, Craigavon Area Hospital (2)
	Jason D. Glover, MBBS	Janet P Knight, RN	Basingstoke	Hampshire Hospitals NHS Foundation Trust (2)
	Jiwan Pradhan, MBBS			
	Ghada Mikhail, MD	Tuhina Bose	London	Imperial College Healthcare NHS Trust (1)
	Darrel P. Francis, MD, MA			
*Canada (447)				
Country Leaders				
Vladimir Dzavik, MD				
Shaun Goodman, MD, MSc				

Gilbert Gosselin, MD				
	Gilbert Gosselin, MD	Anna Proietti, RN	Montreal, QC	Montreal Heart Institute (90)
		Myriam Brousseau, RN		
		Magalie Corfias, RN		
		Patricia Blaise		
		Luc Harvey		
	Ariel Diaz, MD		Trois-Rivieres, QC	Centre Hospitalier de Regional Trois-Rivieres (71)
	Philippe Rheault, MD			
	Miguel Barrero, MD			
	Carl-Éric Gagné, MD	Patricia Alarie		
	Yanek Pépin-Dubois, MD	Linda Arcand		
	Ricardo Costa, MD	Isabelle Roy		
	Ying Tung Sia, MD	Estelle Montpetit		
	Catherine Lemay, MD			
	Alejandro Gisbert, MD			
	Pierre Gervais, MD			
	Alain Rheault, MD			
		Katia Drouin, RN	Terrebonne, QC	CISSSL - Hopital Pierre-Le Gardeur (42)
	Denis Carl Phaneuf, MD	Christine Bergeron, RN		
	Gilbert Gosselin, MD	Christine Shelley		
		Christine Masson		
	Pallav Garg, MBBS, MSc	Sandy Carr, RN	London, ON	London Health Sciences Centre (35)
		Catherine Bone, RN		
	Benjamin J.W. Chow, MD	Ermina Moga	Ottawa, ON	University of Ottawa Heart Institute (29)
	Renee C. Hessian, MD	Janetta Kourzenkova		

	Rob S. Beanlands, MD	Olga Walter		
	Richard F. Davies, MD			
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	Arturo S Campos-Santaolalla, MD			
	Elihú Durán-Cortés, MD			
	José M Flores-Palacios, MD			
	Andrés García-Rincón, MD			
	Moisés Jiménez-Santos, MD			

	Joaquín V Peñafiel, MD			
	José A Ortega-Ramírez, MD			
	Aquiles Valdespino-Estrada, MD			
	Erick Alexánderson Rosas, MD	María Fernanda Canales Brassetti, MD	Mexico City	Instituto Nacional de Cardiología "Ignacio Chávez" (11)
		Diego Adrián Vences Anaya, MD		
		María Pérez García		
		Isabel Estela Carvajal Juárez, MD		
		Magdalena Madero Rovalo, MC		
		Erick Donato Morales Rodríguez, MD		
Australia (45)				
Country Leaders				
Joseph B. Selvanayagam, MBBS (Hons), DPhil				
Jamie Rankin, MBBS ( <i>past</i> )				
Country Coordinator				
Deirdre Murphy				
	Joseph B. Selvanayagam, MBBS (Hons), DPhil	Sau Lee, PhD	Adelaide	Flinders Medical Centre (30)
	Majo X. Joseph, MBBS	Prince Thomas, RN		
	Suku T. Thambar, MBBS	Melissa D Chaplin, RN	New Lambton Heights	John Hunter Hospital (8)
		Stephanie C Boer, B Biotechnology (Honours)		
	John F. Beltrame, MD	Jeanette K. Stansborough, RN	Woodville South	The Queen Elizabeth Hospital (5)
		Marilyn Black, RN		

	Graham S. Hillis, PhD	Michelle M. Bonner, B. Nursing	Perth	Royal Perth Hospital (2)
		Kim F. Ireland, RN		
		Clare Venn-Edmonds, RN		
France (42)				
Country Leader				
Philippe-Gabriel Steg, MD				
Country Coordinators				
Helene Abergel				
Jean-Michel Juliard				
		Corine Thobois, RN	Chartres	C.H. Louis Pasteur (21)
	Christophe Thuair, MD	Emilie Tachot, RN		
	Téodora Dutoiu, MD	Christophe Laure, RN		
		Christel Vassaliere, RN		
	Philippe Gabriel Steg, MD	Helene Abergel, MSc	Paris	Bichat Hospital (9)
	Jean-Michel Juliard, MD	Axelle Fuentes, MSc		
	Michel S. Slama, MD	Ludivine Eliahou, MD	Clamart Cedex	Antoine-Beclere Hospital (5)
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	Pascal Goube, MD	Patricia Brito		
	Gilles Barone- Rochette, MD	Gilles Barone- Rochette	Grenoble	Grenoble University Hospital (2)
	Alain Furber, MD	Charles Cornet, MD, PhD	Angers Cedex 9	Centre Hospitalier Universitaire d'Angers (1)
	Loïc Bière, MD	Jeremy Rautureau, MD, PhD		
Lithuania (39)				
		Agne Juceviciene, MD	Vilnius	

		Irma Kalibataite-Rutkauskiene, MD		
		Laura Keinaite		
	Aleksandras Laucevicius, MD	Monika Laukyte		
	Jelena Celutkiene, MD	Gelmina Mikolaitiene		Vilnius University Hospital Santariskes Clinic (39)
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	Jorik Timmer, MD	Ilse Bouwhuis	Zwolle	Isala Klinieken (25)
	Rik Hermanides, MD	Lia Nijmeijer		
	Eliza Kaplan, MD			
	Robert K. Riezebos, MD, PhD			
	Pouneh Samadi, MD	Jeannette, J. M. Schoep, RN	Amsterdam	Cardio Research Hartcentrum OLVG (11)
	Elise van Dongen, MD	Elisabeth, M. Janzen, RN		
	Sander R. Niehe, MD			
	Harry Suryapranata, MD	Sandra Ahoud	Nijmegen	Radboudumc (1)
	Stijn van Vugt, MD, PhD			
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	Duarte Cacula, MD			
	Ana Santana, MD		Lisbon	Hospital de Santa Marta (25)
	Antonio Fiarresga, MD			

	Lidia Sousa, MD			
	Hugo Marques, MD			
	Lino Patricio, MD	Mafalda Selas		
	Luis Bernanrdes, MD	Filipa Silva		
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	Angelo Nobre, MD	Maria Inês Caetano		
	Ana Rita Francisco, MD	Susana Silva		
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	Ricardo L. Lopes, MD		Vila Nova de Gaia	Centro Hospitalar de Vila Nova de Gaia/Espinho, EPE (2)
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Country Leader				
Rafael Diaz, MD ( <i>past</i> )				

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		Kirsty Abercrombie, RN		
	Ralph Alan Huston Stewart, MBChB, MD	Leah Howell , RN	Auckland	Auckland City Hospital (6)
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	Jocelyne Benatar, MD			
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	Inga Soveri, MD, PhD			
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Israel (15)				
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Tali Sharir, MD				
Country Coordinator				
Eugenia Nikolsky, MD				
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	Dan Elian, MD			
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		Toshiyuki Nagai, MD, PhD		
		Fumiyuki Otsuka, MD, PhD		
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Frans Van de Werf, MD, PhD				
Country Coordinator				
Kaatje Goetschalckx, MD				
	Kaatje Goetschalckx, MD	Valerie Robesyn	Leuven	University Hospital Leuven (7)
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	Kathleen Claes, PhD, MD			
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Harvey Douglas White, DSc				
Country Coordinator				
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	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			
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	Yueh-Hung Lin, MD			
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	Kuo-Tzu Sung, MD			
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	Shaheen Pandie, MD	Constance Philander (Nee Talliard), ND	Cape Town	Groote Schuur Hospital / University of Cape Town (7)
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	Marianne De Andrade, MD			
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Country Leader				
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	Tiziano Moccetti, MD	Adriana Anesini, RN	Lugano	Cardiocentro (7)
	M.Grazia Rossi, MD	Simona Maspoli, RN		

		Manuela Mombelli, RN		
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	Magdy Abdelhamid, MD	Ahmed Talaat, MD	Cairo	Cairo University (6)
	Ahmed Adel, MD			
	Ahmed Kamal, MsC			
	Hossam Mahrous, MD			
	Sameh El Kaffas, MD			
	Hussien El Fishawy, MD			
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	Matei Claudia, MD, PhD			
	Bogdan A. Popescu, MD, PhD		Bucharest	Emergency Institute of Cardiovascular Diseases "Prof. Dr. C. C. Iliescu" (1)
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	Dan Deleanu, MD, PhD	Carmen C. Beladan, MD, PhD		
	Vlad A. Iliescu, MD, PhD			
*Saudi Arabia (5)				
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	Ahmed Aljzeeri, MD			
	Hani Najm, MD			
	Ali Alghamdi, MD			
*Peru (4)				
	Walter Enrique Mogrovejo Ramos, MD	Marco Antonio Monsalve Davila, RN	Mirafloes	Instituto Neuro Cardiovascular De Las Americas (4)

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Country Coordinator				
Caroline Alsweiler				
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	Arintaya Prommintikul, MD			
	Weerachai Nawarawong, MD	Supatchara Khwakhong, RN		
	Surin Woragidpoonpol, MD	Anong Chaiyasri, RN		
	Thitipong Tepsuwan, MD	Warangkana Mekara, RN		
	Noppon Taksaudom, MD	Supap Kulthawong, RN		
	Chataroon Rimsukcharoenchai, MD	Anong Amaritakomol, RN		
	Juntima Euathrongchit, MD			
	Yutthaphan Wannasopha, MD			
	Sukit Yamwong, MD	Pachara Panpunuan, RN	Bangkok	Ramathibodi Hospital (1)
	Piyamitr Sritara, MD			
	Suthara Aramcharoen, MD			
	Krissada Meemuk, MD			
*Malaysia (2)				
Country Leader				
Harvey Douglas White, DSc				
Country Coordinator				
Caroline Alsweiler				

	Ahmad Khairuddin, MD	Noor Syamira Mokhtar, RN	Kuala Lumpur	Institut Jantung Negara (2)
	Hafidz Abd Hadi, MD	Nor Asiah Basri, RN		
	Shaiful Azmi Yahaya, MD	Irni Yusnida, RN		
		Humayrah Hashim		
* Countries participated in Economics Quality of Life (EQoL) Questionnaires				
**This site received one participant in transfer that was randomized at another site				

**eTable 7. ISCHEMIA Committee, CCC, Trial-Related Personnel**

<b>Past and Current Committee Members</b>
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Judith S. Hochman (Chair)
David J. Maron (Co-Chair)
William Boden (Co-Principal Investigator)
Bruce Ferguson (Co-Principal Investigator)
Robert Harrington (Co-Principal Investigator)
Gregg W. Stone (Co-Principal Investigator)
David Williams (Co-Principal Investigator)
<b>Executive Committee</b>
Judith S. Hochman (Chair)
David J. Maron (Co-Chair)
Karen P. Alexander
Sripal Bangalore
Jeffrey Berger
William Boden
Robert Harrington
Daniel Mark
Sean M. O'Brien
Harmony R. Reynolds
Yves Rosenberg
Leslee J. Shaw
John Spertus
Gregg W. Stone
<b>Steering Committee</b>
Judith S. Hochman (Chair)
David J. Maron (Co-Chair)
<i>Members of Executive Committee</i>
Christie Ballantyne *
Daniel Berman
Rafael Beyar *
Balram Bhargava
Chris Buller *
Antonio (Tony) Carvalho**
Bernard R. Chaitman
Rafael Diaz *
Rolf Doerr
Vladimir Dzavik
Bruce Ferguson
Shaun Goodman

Gilbert Gosselin
Rory Hachamovitch *
Christian Hamm *
Claes Held
Malte Helm *
Kurt Huber *
Lixin Jiang
Matyas Keltai
Shun Kohsaka
Irene Lang *
Renato Lopes
Jose Lopez-Sendon
Aldo Maggioni
John Mancini
C. Noel Bairey Merz
James Min
Eric Peterson *
Michael H. Picard
Witold Ruzyllo
Joseph Selvanayagam
Roxy Senior
Tali Sharir
Gabriel Steg
Hanna Szwed
Frans Van de Werf *
William Weintraub
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David Williams
<b>Optimal Medical Therapy Committee</b>
William Boden (Co-Chair)
David J. Maron (Co-Chair)
Christie Ballantyne
Sripal Bangalore
Karen Calfas **
Bernard R. Chaitman
Mary Ann Champagne
Michael Davidson
Jerome Fleg
Peter A. McCullough
Jonathan Newman
Peter Stone

<b>Optimal Revascularization Therapy Planning Committee</b>
Gregg W. Stone (Chair)
<b>Subcommittee: CABG</b>
Bruce Ferguson (Co-Chair)
Philippe Menasche (Co-Chair)
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Michael Davidson **
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Anupama Rao
Joe Sabik
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David Taggart
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Sripal Bangalore
Jim Blankenship
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Robert Harrington
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Thierry Lefevre
Jeffrey Moses
<b>Clinical Events</b>
<b>Endpoint Definition Panel</b>
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Bernard R. Chaitman (Chair)
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Raymond Kwong
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Sripal Bangalore
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C. Michael Gibson
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Jonathan Himmelfarb
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Pamela Woodard
<b><u>Independent Statistical Analysis Center for DSMB Reporting</u></b>
Frank Harrell
Samuel Nwosu
<b><u>NHLBI Program Staff</u></b>
<b>Project Office</b>
Yves Rosenberg (Project Officer)
Jerome Fleg
Ruth Kirby
<b>Statisticians</b>
Neal Jeffries
<b><u>ISCHEMIA Clinical Coordinating Center (CCC)</u></b>
<b>Study Leadership</b>
Judith S. Hochman (Study Chair, Director of CCC)
David J. Maron (Study Co-Chair, Co-Director of CCC, US Country Leader)
<b>CCC Faculty</b>
Sripal Bangalore (Optimal Revascularization Therapy CCC Director, Regional Leader)
Jeffrey Berger (Director of the Biorepository, Regional Leader)
William Boden (US-VA Regional Leader)
Jonathan Newman (Optimal Medical Therapy CCC Director, Regional Leader)
Harmony R. Reynolds (Associate Director of CCC, CCC Imaging Lead, Regional Leader)
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<b><i>Data Analyst</i></b>
Vincent Setang*
Mark Xavier*
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Jennifer White*
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Weibing Xing
Songlin Zhu
<b><u>Economics and Quality of Life Coordinating Center (EQOL CC)</u></b>
<i>Duke Clinical Research Institute, Durham, NC</i>
Daniel B. Mark (Principal Investigator)
Kevin Anstrom
Khaula Baloch
Janet Blount
Patricia Cowper
Linda Davidson-Ray
Laura Drew
Tina Harding
J David Knight
Diane Minshall Liu
Betsy O'Neal
Thomas Redick
<i>Saint Luke's Mid America Heart Institute, Kansas City, MO</i>
John Spertus (Principal Investigator)
Philip Jones
Karen Nugent
Grace Jingyan Wang
<b><u>ISCHEMIA Imaging Coordinating Center (ICC)</u></b>
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Lawrence Phillips
Abhinav Goyal
Holly Hetrick
Dana Oliver
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Tricia Youn
<b><u>Academic Research Organizations (AROs)</u></b>
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Marco Magnoni
Francesco Orso
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Janaina Oliveira*
Elissa Restelli Piloto*
Jaqueline Pozzibon*
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Neamat Mowafy
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<i><u>China Oxford Centre for International Health Research - China</u></i>
Lixin Jiang (Country Leader)
Hao Dai

Fang Feng
Jia Li
Li Li*
Jiamin Liu
Qiulan Xie
Haibo Zhang
Jianxin Zhang
Lihua Zhang
Liping Zhang
Ning Zhang
Hui Zhong
<i>Estudios Clínicos Latino America (ECLA) - Argentina</i>
Rafael Diaz *
Claudia Escobar
Maria Eugenia Martin*
Andrea Pascual*
<i>Foundation for Biomedical Research of La Paz University Hospital (FIBHULP) - Spain</i>
José Lopez-Sendon (Country Leader)
Paloma Moraga
Victoria Hernandez
Almudena Castro
Maria Posada*
Sara Fernandez
José Luis Narro Villanueva
Rafael Selgas
<i>French Alliance for Cardiovascular Trials (FACT) - France</i>
Gabriel Steg (Country Leader)
Helene Abergel
Jean Michel Juliard
<i>Green Lane Coordinating Centre Ltd. (GLCC) -Malaysia, New Zealand, Singapore, Taiwan, Thailand</i>
Harvey White (Country Leader)
Caroline Alswelier
<i>KU Leuven Research &amp; Development - Belgium*</i>
Frans Van de Werf (Country Leader)
Kathleen Claes
Kaatje Goetschalckx
Ann Luyten
Valerie Robesyn
<i>South Australian Health and Medical Research Institute Ltd (SAHMRI) - Australia</i>
Joseph B. Selvanayagam (Country Leader)
Deirdre Murphy
<b><u>Contract Research Organizations (CROs) for ISCHEMIA Trial</u></b>
<i>FOCUS Clinical Research Center d.o.o. Belgrade - Serbia</i>

Nevena Garcevic
Jelena Stojkovic
<i>iProcess Global Research Inc. - India</i>
Asker Ahmed
Richa Bhatt
Nitika Chadha*
Vijay Kumar*
Sadath Lubna *
Pushpa Naik
Shruti Pandey*
Karthik Ramasamy*
Mohammed Saleem
Pratiksha Sharma
Hemalata Siddaram*
<i>*past members / past organizations</i>
<i>**deceased</i>