

CURRICULUM VITAE

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Education:

1982 B.S. Cum laude, Georgetown University
1986 M.D. New York University School of Medicine

Postdoctoral Training:

Internships and Residencies:

1986-1987 Intern in Medicine, Beth Israel Hospital, Boston, MA
1987-1989 Resident in Medicine, Beth Israel Hospital, Boston, MA

Clinical and Research Fellowships:

1989-1991 Clinical Fellow in Cardiovascular Medicine, Beth Israel Hospital, Boston, MA
1991-1992 Fellow in Interventional Cardiology, Beth Israel Hospital, Boston, MA

Licensure and Certification:

National Board of Medical Examiners, 1986
Massachusetts Medical License, 1988
Diplomate, American Board of Internal Medicine, 1989
Diplomate, American Board of Internal Medicine,
Subspecialty of Cardiovascular Disease, 1991 (recertification 11/08/01, 03/2009)
Diplomate, American Board of Internal Medicine,
Subspecialty of Interventional Cardiology, 1999 (recertification 03/2009)
Rhode Island Medical License (MD10590), 2001

Academic Appointments:

1987-1990	Clinical Fellow in Medicine, Harvard Medical School, Boston, MA
1991-1994	Instructor in Medicine, Harvard Medical School, Boston, MA
1994-2001	Assistant Professor of Medicine, Harvard Medical School Boston, MA
2001- 2009	Associate Professor of Medicine, Harvard Medical School Boston, MA
2011-	Professor of Medicine, Tufts University School of Medicine

Hospital Appointments

1992- 1996	Attending Cardiologist, Beth Israel Hospital, Boston, MA
1996- Present	Attending Cardiologist, Beth Israel Deaconess Medical Center, Boston MA
1992- 1996	Director, Interventional Animal Research Laboratory, Beth Israel Hospital, Boston, MA
1996- 2000	Director, Interventional Animal Research Laboratory, Beth Israel Deaconess Medical Center, Boston MA
1993- 1996	Director, Intermediate Coronary Care Unit, Beth Israel Hospital, Boston, MA
1996- Present	Director, Intermediate Coronary Care Unit, Beth Israel Deaconess Medical Center, Boston, MA
1993- 1996	Assistant Director, Invasive Cardiology, Beth Israel Hospital, Boston, MA
1996- 2000	Assistant Director, Invasive Cardiology, Beth Israel Deaconess Medical Center, Boston, MA
1994- 1998	Staff Cardiologist- Roxbury Heart Center, Boston, MA
2000-2003	Interim Director-Cardiac Catheterization Laboratory, Landmark Medical Center, Woonsocket RI
2000-2007	Chief, Section of Interventional Cardiology, Beth Israel Deaconess Medical Center, Boston, MA
2007-2009	Senior Interventional Cardiologist and Investigator, Beth Israel Deaconess Medical Center
2009-	Chief of Cardiovascular Medicine-Caritas St.Elizabeth's Medical Center
2009-	Vice President of Caritas Cardiovascular Network
2010-	Vice President- Steward Cardiovascular Network
2012-	President, and Treasurer, –Steward Medical Group of Rhode Island
2012-	Greater Boston West Local Chapter-Steward Healthcare Network- Member

Awards and Honors

1982 Cum Laude, Georgetown University
 1989 Physician-Investigator Award of the American Heart Association
 1993 Fellow, American College of Cardiology
 2010- *Best Doctors in America*
 2011- Consumers Checkbook- *Top Doctors in Massachusetts*
 2011- *Boston Super Doctors*
 2012- *Leading Physicians of the World*
 2013- Healthgrades Recommended Doctor

Major Committee Assignments

1993 Fellowship Evaluation Committee, Beth Israel Hospital, Boston, MA
 1993 Internship Selection Committee, Department of Medicine, Beth Israel Hospital, Boston, MA
 1995- 1996 Operative and Invasive Procedures Committee, Beth Israel Hospital, Boston, MA
 1996- 2000 Operative and Invasive Procedures Committee, Beth Israel Deaconess Medical Center, Boston, MA
 1997-2008 Clinical Events Committee- Member, Cardiovascular Data Analysis Center (HCRI)
 1997- 2001 Clinical Events Committee, Member (RENAAL Study)
 1997 Data and Safety Monitoring Board, Member (PEAK Balloon Study)
 1997- Present American Medicolegal Foundation, Physician Peer Review
 1997- 1999 Physician Advisory Committee, North East Imaging, Inc.
 1998- Present Boston Medflight Medical Advisory Board- Physician Advisor
 1998- Present Cardiovascular Data Analysis Center, Physician Reviewer
 1999- Present Data and Safety Monitoring Board, (DIRECT Study)
 2000- Present Abstract Grader- American Heart Association Scientific Sessions
 2000- 2001 Equipment Management Committee, Beth Israel Deaconess Medical Center
 2000- 2002 Data Safety Monitoring Board (SAPPHIRE Study)
 2001 Beth Israel Deaconess Medical Center Institutional Review Board- Gene Therapy Subcommittee
 2001 Chairman- Data Safety Monitoring Board (GREAT Study)
 2001- Present Scientific Advisory Board- Kensey Nash Corporation
 2001- Present Scientific Advisory Board- RADI Medical Corporation
 2002- Present Network Development Committee-Beth Israel Deaconess Medical Center
 2002 Drug-Eluting Stent Scientific Advisory Board-Guidant Corporation
 2003 Scientific Advisory Board- Omnisonics Corp.

2003-Present	Director, Worldpath Division of International Interventional Cardiology
2004	Scientific Advisory Board- Radiant Medical
2004	Medical Peer Review Committee-Beth Israel Deaconess Medical Center
2004	Medical Patient Care Committee- Beth Israel Deaconess Medical Center
2004	Resource Allocation Committee- Beth Israel Deaconess Medical Center
2004-	Invasive Cardiac Services Advisory Committee (ICSAC)- Department of Public Health, The Commonwealth of Massachusetts
2004-	Russian-American Cardiovascular Institute of the Beth Israel Deaconess Medical Center- Co-Founder and Director and Interventional Cardiology and Scientific Affairs
2004-6	REVIVE I &II Studies-Chairman- Data and Safety Monitoring Board
2004-6	REVIVAL I &II Studies-Chairman- Data and Safety Monitoring Board
2004-5	Ad Hoc Advisory Committee on Elective Angioplasty in Hospitals Without Surgery On-Site Surgery the Department of Public Health, The Commonwealth of Massachusetts
2005-6	RESOLUTE Studies- Member- Data and Safety Monitoring Board
2005-6	RESOLVE-AF I&II Studies- Chairman- Data and Safety Monitoring Board
2006-2006	Executive Operations Committee- MASS-COMM Study Intra-Aortic Balloon Pump Committee- Beth Israel Deaconess Medical Center- Chairman
2007-present	PARTNER I- Chairman- Data and Safety Monitoring Board
2007-9	Chairman- Annual Fund- Ursuline Academy, Dedham, MA
2007-present	Member- Advancement Committee- Ursuline Academy, Dedham, MA
2009-10	Caritas Healthcare Smokejumpers Committee
2009-	American Heart Association Heart Ball-Member, Executive Committee
2009-	American Heart Association- Paul Dudley White Selection Committee
2009	American Heart Association- Heart Walk Co-Chairman
2009	Professional Conduct Committee- Caritas Christi Physician Network
2009-10	Caritas Physician Leadership Council
2009-10	Caritas Specialty Compensation Committee
2010-	TRITON- Chairman- Data and Safety Monitoring Committee
2011	Steward Physician Leadership Council
2011	Steward Specialty Compensation Committee
2011	American Heart Association- Heart Walk Chairman

2011-	Steward Healthcare Smokejumpers Committee
2011-	PARTNER II- Chairman- Data and Safety Monitoring Committee
2011-	DESSOLVE- Member- Data and Safety Monitoring Committee
2013	American Heart Association- Local Chapter Board Member
2013	TRANSFORM- Chairman, Data Monitoring Committee

Supervised Trainees

1992-1994	Boris Nunez, MD -Attending Cardiologist, Orlando, FL
1994-1996	Ronald Caputo, MD- Attending Cardiologist, Syracuse, NY
1994-1996	John Lopez, MD- Assistant Professor of Medicine, University of Chicago, Director of Cardiac Catheterization
1996-1997	Robert Stoler, MD- Attending Cardiologist, Dallas, TX
1998-1999	Lawrence Garcia, MD- Instructor in Medicine, Harvard Medical School and Director of Peripheral Vascular Intervention, Beth Israel Deaconess Medical Center
1999-2001	Manish Chauhan, MD- Instructor in Medicine, Harvard Medical School
2001-2002	Robert Lager, MD- Attending Cardiologist, Washington, DC
2001-2002	Robert Sperling, MD- Attending Cardiologist, Marin County, CA
2002	Peter Katsyiannis, MD- Attending Cardiologist, Decatur, IL
2002	Peter Sharis, MD- Attending Cardiologist, Davenport, IA
2002-2003	Duane Pinto, MD- Instructor in Medicine, Harvard Medical School and Staff Cardiologist, Beth Israel Deaconess Medical Center
2002-2003	Brian Ferrence, MD- Invited Lecturer, Oxford University, England
2003	Mohammed Dotani, MD- Attending Cardiologist, Des Moines, IA
2002-2003	Thomas Tu, MD- Attending Cardiologist, Louisville KY
2003-2004	Stephen Chan, MD- Attending Cardiologist, Kaiser Hospitals, Oahu, HI
2003-2004	Mark Jordan, MD-Attending Cardiologist, Cincinnati, OH
2003-2004	Adhir Shroff, MD- Chicago, IL
2003-2004	Naranjan Sheshadri, MD- Attending Cardiologist, Santa Fe, NM

2004-2005	Saihari Sadanandan, MD- Associate Professor of Medicine, Indiana University School of Medicine
2004-2005	David Lorenz, MD- Attending Cardiologist, Bridgeport, CT
2005-2006	Ajay Kirtane, MD- Assistant Professor of Medicine, Columbia Presbyterian Medical Center, NY, NY
2005-2006	Allen Jeremias, MD- Assistant Professor of Medicine, SUNY Medical Center, Stony Brook, NY
2005-2006	Brian Bigelow, MD- Attending Cardiologist, The Caregroup, Indianapolis, IN
2005-2006	Tobias Lee, MD- Attending Cardiologist, Tacoma, WA
2005-2006	Pedro Martinezclark- Attending Cardiologist, West Palm Beach, FL
2006-2007	Priyantha Ranaweera, MD- Attending Cardiologist, Manhattan, KS
2006-7	Troy Bunting, MD- Attending Cardiologist, Charleston, SC
2006-7	Benjamin Restor, MD- Attending Cardiologist, Vicksburg, MI
2008-9	Jessica Sutherland, MD-Attending Cardiologist, Exeter, NH
2009-10	Tulio Diaz, MD- Attending Cardiologist,
2007-10	David Leder, MD- Attending Cardiologist, Chicago, IL
2009-10	Daniela Budiu, MD- Attending Cardiologist, Indianapolis, IN
2010-11	Alfonso Alonzo, MD- Attending Cardiologist, Tulane University, New Orleans, LA

Teaching

Harvard Medical School

1992- Present	Introduction to Clinical Medicine Faculty Instructor 4-6 Second Year Medical Students/ session 7 hours/year.
1992- Present	Coronary Care Unit Attending physician Bedside teaching and formal didactic sessions 1-2 3 rd and 4 th year medical students, and 8 medical residents 160 hours/year
1992- Present	Cardiac Catheterization Laboratory

	<p>Attending Physician Instruction in diagnostic cardiac catheterization and coronary intervention 5-7 general cardiology and 5 interventional fellows 960 hours/year</p>
1994-1996	<p>Physician Proctor- Palmaz-Schatz coronary stent 25 physicians throughout the US trained in the use of the Palmaz-Schatz coronary stent 75 hours/year</p>
1997	<p>Physician Proctor- Possis Angiojet 2 physicians in Kokura, Japan trained in the use of the Angiojet thrombectomy catheter 4 hours</p>
1996- Present	<p>Physician Proctor- Rotational Atherectomy 15 physicians throughout the US proctored in the use of the Rotablator atherectomy system-25 hours/year</p>
2002	<p>Cardiovascular Technology and Surgery in Life-Threatening Emergencies- Lecturer, Harvard Medical School-8 medical students- 3 hours</p>
2007	<p>Harvard Medical School- Physician Instructor- OSCE Course- 8 medical students- 1 hour</p>
2008-2009	<p>Chief of Zoll Firm-Beth Israel Deaconess Medical Center- Firm Chief for 12 house officers- 52 hours per year</p>

Professional Society Membership

American College of Cardiology
American Heart Association
American College of Physicians
American Medical Association
Massachusetts Medical Society

Editorial Boards:

1996- Present	Ad hoc reviewer- <i>Journal of the American College of Cardiology</i>
1996- Present	Ad hoc reviewer- <i>American Journal of Cardiology</i>
1996- Present	Ad hoc reviewer- <i>Catheterization and Cardiovascular Diagnosis</i>
1998- Present	Editorial Board- <i>Journal of Invasive Cardiology</i>
2000- Present	Ad hoc reviewer- <i>American Journal of Medicine</i>
2003- Present	Senior Editor- <i>Interventional Cardiology- Cardiosource</i>
2004- Present	Ad hoc reviewer- <i>Circulation</i>
2004- Present	Ad hoc reviewer- <i>Journal of the American Medical Association</i>
2005- Present	Ad hoc reviewer- <i>New England Journal of Medicine</i>
2011-	Editorial Board Member- <i>Journal of Cardiovascular Translational Research</i>

Research Support

Past funding

1989	1989 Investigator: Thrombolysis in Myocardial Ischemia (TIMI) - Phases III and IV
1991-1993	Principal Investigator-Physician-Investigator Award, American Heart Association, Massachusetts Affiliate (#13-603-901)-Mechanisms of Abnormal Intracellular Calcium Handling During Ischemia and Reperfusion
1992	Principal Investigator (Beth Israel): SAVED Study (Coronary Angioplasty vs. Coronary Stenting of de Novo Saphenous Vein Bypass Grafts)
1992	Co-investigator, National Institute of Drug Abuse, Program Project Award-Clinical Cardiovascular Toxicity of Cocaine
1993	Principal Investigator, Educational Grant-Medtronic Interventional Vascular, Inc- Role of Soluble Mediators of Vasoconstriction Released from Fragmented Thrombus

1993-1994	Principal Investigator, Educational Grant- Focal Therapeutics, Inc - In Situ Gel Photopolymerization in Porcine Carotid and Coronary Arteries: Effects on Thrombosis and Smooth Muscle Cell Proliferation
1994-1995	Principal Investigator, Educational Grant- Abiomed Inc. Augmentation of Coronary Blood Flow with Balloon Counterpulsation in the Ascending and Descending Aorta
1995	Consultant, NIH/NHLBI Grant # 5RO1-HI51307-02. Hypoxia, Ischemia, and Calcium in Cardiac Hypertrophy
1995	Principal Investigator, Educational Grant- Heart Technology, Quantification of particles liberated following rotational atherectomy of stented side branches
1995	Principal Investigator (Beth Israel): RAVES Pilot Study (Reduced Anticoagulation Vein Graft Study)
1995-1997	Principal Investigator (Beth Israel): STARS Study (Stent Anti-Thrombotic Regimen Study)
1995-1997	Principal Investigator (Beth Israel): STRATAS Study
1995-1998	Co-investigator- VEGF in Coronary Angiogenesis, Genentech
1996-1998	Principal Investigator (Beth Israel): GR II Stent Study
1996-1998	Principal Investigator (National): EXTRA Trial (Evaluation of the XT Stent for Restenosis in Native Arteries)
1997-1999	Principal Investigator, Educational Grant- Endotex Interventional Systems- Comparison of slotted tube and self-expanding sheath stents in carotid and iliac arteries
1997- 2000	Principal Investigator, Educational Grant- Boston Scientific Corporation - Use of an imaging guidewire to assess balloon expansion and stent recoil in porcine coronary arteries

1997- 2000	Principal Investigator (Beth Israel): Guidant Corporation., CADILLAC Study (Controlled Abciximab and Device Investigation to Lower Late Angioplasty Complications). Multicenter, randomized trial to investigate the effects of stenting and potent platelet inhibition on long-term clinical outcome.
1998- 1999	Principal Investigator (Beth Israel-Deaconess Medical Center): Acolysis, Inc., ATLAS Study. Multicenter, randomized clinical trial investigating the use of high frequency, low energy sonication to removal thrombus from saphenous vein grafts
1999- 2000	Principal Investigator (Beth-Israel-Deaconess Medical Center): Johnson and Johnson,, Corp. BX Velocity Stent Study. Multicenter registry to evaluate a new flexible slotted tube stent for the treatment of native vessel coronary artery disease
2000-2001	Principal Investigator (Beth Israel-Deaconess Medical Center): Medtronic Inc., High Scaffolding SVG Registry. Multicenter registry to investigate the use of a new stent with high metal-artery ratio in the treatment of saphenous vein graft disease
2000-2001	Principle Investigator (Beth Israel Deaconess Medical Center): Merck Research Laboratories, RAPIER Study. Multicenter, randomized trial of administration of a platelet glycoprotein IIb/IIIa receptor antagonist in the emergency room in patients with acute myocardial infarction prior to primary angioplasty
2000-2001	Principle Investigator (Beth Israel Deaconess Medical Center): Cardiogene, Inc.,REGENT I Study. Multicenter, dose-finding study of the intramural delivery of a lipoplex-iNOS gene prior to stenting.
2000-2001	Principle Investigator (Beth Israel Deaconess Medical Center): Johnson and Johnson, Inc.,GAMMA V Study. Multicenter registry investigation intracoronary gamma irradiation with an I ¹⁹² source train to prevent recurrent in-stent restenosis
2000- 2001	Principle Investigator (Beth Israel Deaconess Medical Center): PharmaSonics, Inc., SILENT Study. Multicenter, randomized trial of investigating adjunctive pretreatment of

coronary arteries prior to stenting using low frequency, high energy ultrasound.

- 2000- 2002 Principle Investigator (Beth Israel Deaconess Medical Center): Biotronik, Inc., Tenax-XR^{complete} Stent Registry. Multicenter registry investigating acute and long-term outcome following implantation of an amorphous silicon carbide coated stent in native coronary arteries.
- 2000-2001 Co-Investigator (Beth Israel Deaconess Medical Center): Merck, Inc., TARGET Study. Multicenter, randomized comparison of tirofiban and abciximab during percutaneous coronary intervention.
- 2001-2002 Co-Investigator (Beth Israel Deaconess Medical Center): Cor Therapeutics Inc., ESPRIT Study. Multicenter, randomized placebo controlled trial of eptifibatid during coronary stenting.
- 2001-2008 Principle Investigator (Beth Israel Deaconess Medical Center): Johnson and Johnson, Inc. SIRIUS Study. Multicenter randomized trial of a sirolimus-coated BX Velocity Stent in native coronary arteries
- 2001- 2004 Principle Investigator (Beth Israel Deaconess Medical Center): Radiant Inc. COOL-MI Study. Multicenter randomized trial of adjunctive core-temperature reduction in patients undergoing percutaneous coronary intervention for acute myocardial infarction
- 2001-2002 Principle Investigator (National): Kensey Nash Corp., TriActiv Pilot Study. Multicenter registry of the TriActiv Balloon Protection Flush and Extraction System for prevention of distal embolization during saphenous vein graft intervention
- 2001-2004 Principle Investigator (National) Kensey Nash Corp., PRIDE Study. Multicenter, randomized clinical trial comparing the TriActiv Balloon Protection Flush and Extraction System with standard care during saphenous vein graft intervention
- 2001 Principle Investigator (Beth Israel Deaconess Medical Center): Chugai Pharmaceuticals, Inc., PREVAIL Study. Multicenter, randomized trial evaluating the antioxidant BO-004 for the prevention of restenosis.

- 2001-2002 Co-Investigator (Beth Israel Deaconess Medical Center): REPLACE II Study. Multicenter, double-blind comparison of bivalirudin and heparin plus eptifibatide in percutaneous coronary intervention
- 2002 Principle Investigator (Beth Israel Deaconess Medical Center): PREFER Trial. Multicenter prospective study to evaluate the safety and efficacy of two doses of the ABT-578 coated BioDivysio stent for the reduction in restenosis
- 2003-2004 Principal Investigator (Beth Israel Deaconess Medical Center): RINSE Trial. Multicenter feasibility study to evaluate the safety and efficacy of embolic protection with a proximal protection device.
- 2003 Principal Investigator (Beth Israel Deaconess Medical Center): DeCode Trial. Multicenter randomized clinical trial to evaluate the sirolimus-eluting Cypher stent in diabetic patients.
- 2003-2007 Principal Investigator (Beth Israel Deaconess Medical Center): SISR Trial. Multicenter randomized clinical trial comparing the sirolimus-eluting stent to vascular brachytherapy for the treatment of in-stent restenosis.
- 2003 Principal Investigator (Beth Israel Deaconess Medical Center): BOSS Trial. Multicenter registry of the AST stent for treatment of bifurcation stenoses
- 2004-2005 Principal Investigator (Beth Israel Deaconess Medical Center): Cool-RCN Trial. Multicenter registry evaluating relative hypothermia to prevent radiocontrast nephropathy
- 2004-2006 Co-Principal Investigator (National): ASPIRE Registry. Multicenter registry evaluating the TriActiv™ LFX System in saphenous vein bypass grafts
- 2004-2005 Principal Investigator (Beth Israel Deaconess Medical Center): Taxus ATLAS trial: Multicenter registry evaluating the Liberte Paclitaxel-Eluting Stent in de novo native coronary arteries
- 2004-2005 Principal Investigator (Beth Israel Deaconess Medical Center): PROXIMAL Trial: Multicenter randomized

	comparison of the Proxys System with standard therapy during saphenous vein bypass stenting
2005-2006	Educational Grant for Telemedicine Conferences to Russia-Boston Scientific Corporation
2005-2007	Principal Investigator (Beth Israel Deaconess Medical Center): Spirit III Trial. Randomized multicenter comparison of the Xience and Taxus stent
2006-2007	Principal Investigator (National): COOL-MI II Study. Multicenter randomized evaluation of induced hypothermia for treatment of ST-elevation myocardial infarction
2006-Present	Principal Investigator (Beth Israel Deaconess Medical Center): MASS-COMM Study: A Randomized Trial to Compare Percutaneous Coronary Intervention Between Massachusetts Hospitals With Cardiac Surgery-On-Site and Community Hospitals Without cardiac Surgery-On-Site
2006-2007	Principal Investigator (Beth Israel Deaconess Medical Center): ZoMaxx Trial: Multicenter randomized trial of the ZoMaxx and Taxus stents
2006-Present	Principal Investigator (Beth Israel Deaconess Medical Center): No-MI Study: Single-center randomized, double-blind placebo-controlled investigation of single, high-dose atorvastatin administration prior to percutaneous coronary intervention.
2007-Present	Principal Investigator (Beth Israel Deaconess Medical Center): A Prospective Evaluation in a Randomized Trial of the Safety and Efficacy of the Use of the TAXUS Element Paclitaxel-Eluting Coronary Stent System for the Treatment of De Novo Coronary Artery Lesions
2007- 9	Principal Investigator (Beth Israel Deaconess Medical Center) A Prospective, Single-Blind, Randomized, Multicenter Study Comparing the CYPHER ELITE to the CYPHER Bx Velocity Sirolimus-Eluting Stent Systems
2007-2013	Principal Investigator (Beth Israel Deaconess Medical Center and Steward St. Elizabeth's Medical Center) MASS COMM: A Randomized Trial to Compare Percutaneous Coronary Intervention Between Massachusetts Hospitals with Cardiac

Surgery-on-site and Community Hospitals without Cardiac
Surgery-on-site

- 2007- 9 Principal Investigator (Beth Israel Deaconess Medical Center) PROTECT II: A Prospective, Multicenter, Randomized Controlled Trial of the IMPELLA RECOVER LP 2.5 System Versus Intra-Aortic Balloon Pump (IABP) in Patients Undergoing Non-Emergent High-Risk PCI
- 2009-10 Principal Investigator (Caritas St. Elizabeth's Medical Center) The Gore REDUCE Study: GORE HELEX Septal Occluder and Antiplatelet Medical Management for Reduction of Recurrent Stroke or Imaging-Confirmed TIA in Patients with Patent Foramen Ovale (PFO)
- 2010-Present Principal Investigator (National) The PRECISE Study: Percutaneous Robotically-Enhanced Coronary Intervention Study
- 2011-12 Principal Investigator (Steward St.Elizabeth's Medical Center) RIVER-PCI: A Phase 3, Randomized, Double-Blind, Placebo-Controlled Study of the Effects of Ranolazine on Major Adverse Cardiovascular Events in Subjects with a History of Chronic Angina who undergo percutaneous Coronary Intervention with incomplete Revascularization
- 2013-Present Principal Investigator (Steward St.Elizabeth's Medical Center) ABSORB III: Randomized Controlled Trial comparing a bioabsorbable stent with a drug-eluting metallic stent: 10-392
- 2013-Present Principal Investigator (Steward St.Elizabeth's Medical Center) CIN-RG Study: A randomized controlled trial comparing the safety and efficacy of the RenalGuard System compared with standard care in the prevention of contrast-induced nephropathy in the setting of a cardiac catheterization laboratory

Invited Presentations:

Regional

1994

Cardiovascular Grand Rounds- Speaker, Beth Israel Hospital, Boston

1994-1998	New Device Interventional Course at Beth Israel Hospital- Speaker and Live Case Presenter
1995	Thrombosis and Thrombolysis Seminar- Speaker, Brigham and Women's Hospital, Boston
1999	Harvard Interventional Cardiology Course- Speaker and Live Case Presenter
2000	Cardiovascular Grand Rounds- Speaker, Beth Israel Deaconess Medical Center, Boston
2000	Update in Internal Medicine 2000- Faculty, Beth Israel Deaconess Medical Center
2001	Update in Internal Medicine 2001-Faculty, Beth Israel Deaconess Medical Center
2002	Cardiothoracic Surgery Rounds, Speaker- Beth Israel Deaconess Medical Center, Boston MA
2002	Interventional Cardiology Conference- Miriam Hospital, Providence, RI
2002	2 nd Annual BIDMC Nursing Symposium, Speaker- Beth Israel Deaconess Medical Center, Boston MA
2002	Cardiovascular Grand Rounds- Speaker, Beth Israel Deaconess Medical Center
2002	Update in Internal Medicine 2002- Faculty, Beth Israel Deaconess Medical Center, Boston, MA
2003	Professor's Rounds- Metrowest Medical Center, Framingham, MA
2004	Medical Grand Rounds-Cambridge City Hospital, Cambridge, MA
2004	American Heart Association Cardiovascular Nursing Symposium- Speaker
2005	Cardiology Grand Rounds Speaker- Metrowest Medical Center, Framingham, MA

2007	Cardiovascular Grand Rounds Speaker- Beth Israel Deaconess Medical Center, Boston, MA
2008	Cardiology Grand Rounds Speaker- Massachusetts General Hospital, Boston, MA
2009	Anesthesia Grand Rounds Speaker- Beth Israel Deaconess Medical Center, Boston, MA
2009	Medical Grand Rounds Speaker- Caritas St. Elizabeth's Medical Center, Brighton, MA
2011	Cardiology Grand Rounds Speaker-Saints Memorial Medical Center, Lowell, MA
2011	Medical Grand Rounds Speaker- Steward St. Elizabeth's Medical Center, Brighton, MA
2011	Gary Garber Memorial Lecture- Keynote Speaker- Steward Good Samaritan Medical Center, Brockton, MA
2012	Medical Grand Rounds Speaker- Steward Norwood Hospital, Norwood, MA
2012	Medical Grand Rounds Speaker- Steward Carney Medical Center, Boston, MA
2012	Medical Grand Rounds Speaker- Steward Quincy Medical Center, Quincy, MA
2013	Medical Grand Rounds Speaker- Lowell General Hospital, Lowell, MA

National and International

1990	Cardiology Grand Rounds- Speaker, Long Island Jewish Hospital, New Hyde Park, NY
1994-1995	Palmaz-Schatz Coronary Stent Training Courses-Course Director
1994	Cardiology Grand Rounds-Speaker, St. Francis Hospital, Roslyn, NY

- 1995 VIII Annual Live Demonstration Course in Interventional Cardiology -Faculty, Washington Adventist Hospital, Washington, DC
- 1995 Cardiology Grand Rounds-Speaker, Long Island Jewish Hospital, New Hyde Park, NY
- 1997 Live Interventional Cardiology Course of the Miami Heart Institute-Faculty, Miami, FL
- 1997 5th Annual Pacific Northwest Cardiovascular Symposium-Faculty, Providence Seattle Medical Center
- 1996 American College of Cardiology Scientific Sessions- Session Chairman
- 1997 American Heart Association Scientific Sessions- Session Chairman
- 1998 Krembs' Cardiovascular Teaching Seminar-Faculty, Binghampton, NY
- 1998 Annual Cardiovascular Conference at St.John Hospital-Faculty, Tulsa,OK
- 1997 Advanced Stenting Course-Speaker, Rhode Island Hospital, Warwick, RI
- 1998 American Heart Association Scientific Sessions- Session Chairman
- 1998 X Annual Live Demonstration Course in Interventional Cardiology -Faculty, Washington Adventist Hospital, Washington, DC
- 1998 10th Transcatheter Cardiovascular Therapeutics Symposium-Faculty, Washington, DC
- 1999 Interventional Cardiology Seminars-Speaker, St.Anthony's Hospital, St. Louis, MO
- 1998 11th Transcatheter Cardiovascular Therapeutics Symposium-Faculty, Washington, DC

1999- Present	American Heart Association Scientific Sessions- Abstract Grader
1999	American College of Cardiology Scientific Sessions- Session Chairman and Co-Chairman “Meet the Experts” Panel
1999	12 th Transcatheter Cardiovascular Therapeutics Symposium- Faculty, Washington, DC
2000	Cardiology Grand Round Speaker- Kraenert Institute- University of Indiana School of Medicine
2000	13 th Transcatheter Cardiovascular Therapeutics Symposium- Faculty, Washington, DC
2001	14 th Transcatheter Cardiovascular Therapeutics Symposium- Faculty, Washington, DC
2001	American Heart Association Scientific Sessions- Session Chairman, “Distal Embolization and Protection”
2002	17 th Annual International Conference on Interventional Cardiology-Faculty, Aspen, CO
2002	Cardiology Grand Rounds Speaker- Rochester General Hospital, Rochester, NY
2002	American College of Cardiology ACCIS Sessions, Invited Speaker
2002	Cardiovascular Catheterization Conference Speaker, Washington Hospital Center and Georgetown University
2002	15 th Transcatheter Cardiovascular Therapeutics Symposium- Faculty, Washington DC
2002	American Heart Association Scientific Sessions- Discussant, “Late Breaking Clinical Trials”
2002	American Heart Association Scientific Sessions- Session Chairman, “Brachytherapy”
2002	Cardiology Grand Rounds Speaker-Decatur Memorial Hospital, Decatur, IL
2003	Cardiology Grand Rounds Speaker- Northshore University Medical Center, Manhasset, NY

2003 CRT Conference, Speaker- Washington, DC

2003 American College of Cardiology Scientific Sessions- Invited Lecturer, “Distal Embolization”

2003 Society for Cardiac Angiography and Interventions- Session Chairman

2003 16th Transcatheter Cardiovascular Therapeutics Symposium. Section Coordinator and Faculty , Washington, DC

2004 Intervention 2004. Faculty, Boston MA

2004-8 Abstract grader- American Heart Association

2004-8 Abstract grader-Transcatheter Cardiovascular Therapeutics

2004 Speaker- Vascular Medicine Seminars, Beth Israel Deaconess Medical Center

2004 17th Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington DC

2005 18th Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington DC

2005 “A New Day in Cardiology”-Harvard Medical School CME Course- Philadelphia, PA- Faculty and Speaker

2006 19th Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington DC

2007 Fellows’ Course in Intereventional Cardiology, Symposium Moderator and Faculty, Boston, MA

2007 Current Concepts in Cardiovascular Disease Symposium, Faculty, Syracuse, NY

2007 20thTranscatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington DC

2008 American College of Cardiology Scientific Sessions- Faculty Chicago, IL

- 2008 21st Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington DC
- 2009 American College of Cardiology Scientific Sessions- Faculty Orlando, FL
- 2009 22st Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, San Francisco, CA
- 2010 American College of Cardiology Scientific Sessions- Faculty Atlanta, GA
- 2010 23rd Transcatheter Cardiovascular Therapeutics Symposium. Symposium Moderator and Faculty, Washington, DC
- 2011 American College of Cardiology Scientific Sessions- Faculty New Orleans, LA
- 2011 24th Transcatheter Cardiovascular Therapeutics Symposium. Scientific Sessions Organizer, Symposium Moderator, and Faculty, San Francisco, CA
- 2012 20th Cardiology Symposium of Eastern Maine Medical Center- Faculty and Speaker, Bangor, ME
- 2012 24th Transcather Cardiovascular Therapeutics Symposium. Organizing Committee and Faculty, Miami, FL
- 2013 25th Transcather Cardiovascular Therapeutics Symposium. Organizing Committee and Faculty, Miami, FL
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- International
- 1994 Live Demonstration Course in Coronary Stenting with Intravascular Ultrasound Guidance- Speaker, Centro Cuore Columbus, Milan Italy
- 1995 Thoraxcenter Course on Coronary Stenting- Faculty, Erasmus University, Rotterdam
- 2000 SOLACI- Faculty, Montevideo, Uruguay

2001 Abstract Grader- American Heart Association Asia-Pacific
Conference on Epidemiology and Prevention

2004 Consultant- Shing Kwan Group

2005-6 Course Director- Russian American Cardiovascular Institute
Telemedicine Lecture Series

Bibliography

Original Manuscripts:

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