

CURRICULUM VITAE: George W. Vetovec, MD, MACC, MSCAI

PERSONAL INFORMATION

Name: George Wayne Vetovec, M. D.

Place of Birth: Akron, Ohio

Citizenship: United States

Mailing &

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LICENSURE

Virginia	0101020698
North Carolina	2007-00681

BOARD CERTIFICATION

Internal Medicine - 1974 - Certification # 48067
Cardiovascular Diseases - 1977 - Certification # 48067
Interventional Cardiology – 1999: Recertified 2009 - Certificate # 48067

EDUCATION

University of Virginia School of Medicine, M.D. - 1970
University of Virginia, Collage of Arts and Sciences, Dupont Regional Scholarship. Phi
Beta Kappa, BA - High Honors-1966

SCHOLASTIC HONORS

Phi Beta Kappa, University of Virginia, 1966
AOA, (Faculty) MCV/VCU, 1986

MILITARY SERVICE

N/A

POSTDOCTORAL TRAINING

- 7/1970-6/71 Internship, Internal Medicine, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 7/1971-6/73 Residency in Internal Medicine, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 7/1973-6/74 Chief Medical Resident, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 7/1974-6/76 Fellow in Cardiology, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia

ACADEMIC APPOINTMENTS/WORK EXPERIENCE

- 1976-82 Assistant Professor of Medicine,
Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 1982-1986 Associate Professor of Medicine,
Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 1986-2015 Professor of Medicine
Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 2015 Professor Emeritus, Division of Cardiology, VCU Pauey Heart Center,
Virginia Commonwealth University, Richmond, Virginia.
- 2005-2015 Martha M & Harold W Kimmerling, Professor of Medicine
- 1976-78 Director, Exercise Laboratory
- 1976-79 Director, Cardiac Rehabilitation Program
- 1986-2009 Associate Chairman of Internalk Medicine for Clinical Affairs Medical
College of Virginia Campus of Virginia Commonwealth University,
Richmond, Virginia
- 1977-2015 Director, Adult Cardiac Catheterization Laboratory Medical College of
Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 1988-1993 Director, Adult Cardiac Catheterization Laboratory McGuire VA Medical
Center, Richmond, Virginia

- 1991-1993 Interim Chairman, Division of Cardiology, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia
- 7/93-1/10 Chairman, Division of Cardiology, Medical College of Virginia Campus of Virginia Commonwealth University, Richmond, Virginia.
- 1993- 2010 Co-Director - Heart Center, VCUHS at MCV Hospitals
- 2006- 2012 Member VCU Health System Authority Board
- 2008- 2012 Executive Board, VCU Health System Authority Board
- 2011-2015 Secretary, VCU Health System Authority Board
- 1982-2015 Program Director. Interventional Cardiology

SOCIETIES AND PROFESSIONAL ORGANIZATIONS:

- ♦ American College of Cardiology, Fellow
- ♦ American College of Physicians, Fellow
- ♦ American College of Chest Physicians, Fellow
- ♦ Society for Cardiac Angiography and Interventions, Fellow
- ♦ American Heart Association Council on Clinical Cardiology, Fellow
- ♦ Irish Cardiac Society, Member
- ♦ European Society of Cardiology, Fellow
- ♦ Royal College of Physicians (Thailand), Fellow
- ♦ Medical Society of Virginia
- ♦ Richmond Academy of Medicine
- ♦ Association of Professors of Cardiology, President
- ♦ Association of University Cardiologists, Member
- ♦

American Heart Association, Richmond Chapter

- ♦ President (1981-82)
- ♦ President-elect (1980-81)
- ♦ Vice President (1979-80)
- ♦ Board of Directors (1970-84)
- ♦ Medical Community Program Committee American Heart Association, Richmond Chapter, 1979-82; Chairman 1980-82

American Heart Association, Virginia Affiliate

- ♦ President (1984-85)
- ♦ President Elect (1983-84)
- ♦ Board of Directors (1983-1986)
- ♦ Research Peer Review Committee - American Heart Association, Virginia Affiliate, 1980-83
- ♦ Medical & Community Program Committee - AHA, Virginia Affiliate, 1981-1984, Chairman, 1982-84
- ♦ Research Committee - Chairman - 1993-94

American Heart Association, Regional

- ♦ Virginia Representative to BiAnnual Mid Atlantic Regional Heart meeting 1985-1991; Chairman Elect 1989, Chairman 1990

American Heart Association, National Activities

- ♦ National Board of Directors 1989-90
- ♦ Virginia Delegate for National meeting, 1984
- ♦ National Affiliate Review Committee and Site Visit for State of Minnesota, October 1985
- ♦ National Affiliate Review Committee and Site Visit for State of Missouri, September 1986
- ♦ National Affiliate Review Committee Chairman for Site Visit for State of North Carolina, November 1986
- ♦ AHA Task Force on National Professional Membership Program, member, 1986
- ♦ AHA Leadership Conference, Washington, D.C. - 1985
- ♦ AHA Leadership Conference, New Orleans - September 1987
- ♦ AHA Leadership Conference Minneapolis, Minn 1988
- ♦ AHA Program Committee Agenda Committee - 1988-1991
- ♦ AHA Affiliate Relations Committee 1989-1990
- ♦ National Affiliate Review Committee and Site Visit for State of Maine, April 11, 1990
- ♦ National Affiliate Review Committee and Site Visit for State of Michigan, May 9, 1990
- ♦ Nominating Committee, 1990 -1991

American Heart Association - Academic Activities

- ♦ Consumer Nutrition Committee, 1990-1991
- ♦ Council on Geriatric Cardiology, 1990-present
- ♦ AHA Abstract Grading Committee – 1992-93,1996-2000,2003-2004
- ♦ Co-Chairman "State of the Art" Invasive AHA Conference held in December of 1993.
- ♦ Samuel Levine Young Investigator Award Committee 1993-1995
- ♦ Cardiac Catheterization Committee of the Council on Clinical Cardiology 1988-1992 * Chairman-1990-92
- ♦ Council of Clinical Cardiology - At Large Member 2002-2005

American College of Cardiology

- ♦ American College of Cardiology, Governor, State of Virginia 1985-88
- ♦ Physicians Workforce Advisory Committee - American College of Cardiology - 1988-1996, Chairman 1993-1996
- ♦ Member of Annual Scientific Session Program, American College of Cardiology, 1989-92, 1999-2001
- ♦ ACC Abstract Grading Committee, 1992-2003
- ♦ ACC Abstract Grading I2 Summit. 2009
- ♦ Government Relations Committee - Ad hoc member, 1992-1995
- ♦ Database Committee - Subcommittee to Develop Angioplasty Database, 1994-1995
- ♦ ACC Ad hoc Committee on Health Care Reform, 1994-1995
- ♦ ACC Representative to Joint Commission on Accreditation of Health Care Organizations - 1996-1998
- ♦ ACC Strategic Planning Committee 1996-1997
- ♦ Co-Chairman of ACC/SCA&I Interventional Board Review Course 1997-2003 (Seven Courses)
- ♦ Consultant to HFCA Validation Panel representing American College of Cardiology - October 7, 1997
- ♦ ACC Board of Trustees - 1999-2004
- ♦ Co-Chair ACCIS Program (Interventional Program at Annual ACC Scientific Sessions), 2001,2002
- ♦ ACC CATHSAP Question Writing Committee - 2000-2001
- ♦ ACC Task Force on Intracoronary Brachytherapy, 2001-2002
- ♦ ACC Task Force on Work Force. 2002-2004
- ♦ ACC Board of Trustees Work Group Work Group on Accreditation/Certification 2004–2005.
- ♦ Invited Presenter at ACC CV Program Directors Meeting Considerations for An In-Service Cardiology Exam-November 2006
- ♦ ACC Abstract Reviewer – 2009

Association of Professors of Cardiology

- ♦ Committee on Cardiology-Internal Medicine Relationships Association of Professors of Cardiology 1994.
- ♦ Task Force on Cardiology Work Force and Fellowship Training. 1995-1996
- ♦ Councilor – 1995-1996
- ♦ President Elect - 1997
- ♦ President - 1998
- ♦ Past President - 1999

Association of University Cardiologists

- ♦ Councilor - 2000-2002
- ♦ Vice President - 2002

- ♦ President - 2003
- ♦ Program Chairman - January 2004

Society for Cardiac Angiography & Interventions

- ♦ Trustee. 1988-1996.
- ♦ President - 1993-94
- ♦ Registry Committee -Society for Cardiac Angiographic Society, 1982-1999
- ♦ Interventional Committee - Society for Cardiac Angiography and Interventions 1987-2005
- ♦ Program Planning Committee- Society for Cardiac Angiography National Meeting 1986, 1988 - 2000(Chairman, 1988 - 1993)
- ♦ Abstract Grading Committee - Society for Cardiac Angiography National meeting - 1987, 1988, 1989, 1990, 1991, 1992, 1993 (Chairman 1989, 1990)
- ♦ Squibb Grant Review - Society for Cardiac Angiography & Interventions- 1993, 1994, 1995, 1996
- ♦ Bracco Grant Review Committee - 1994-1995
- ♦ SCA&I Representative to ACC Work Force Committee
- ♦ Moderator, Poster Session - 26th Annual Scientific Sessions - May 2003
- ♦ Invited Speaker 2005 at the Annual Meeting to discuss Interventional Program review by the RRC
- ♦ Invited Speaker 2006 – SCA&I Annual Meeting to present "Surgery vs PCI Outcomes"
- ♦ Reviewer - SCA&I FIT Grant Applications, 2009
- ♦ SCA&I Fall Fellows Courses. Adult Interventional Cardiology Fellows Course. Faculty Member. Las Vegas, NV. 2010, 2011, 2012

Presentations:

- a. "Case Presentations: CTO and Acute Myocardial Infarction".
 - b. Interventional Procedure Simulation Training.
 - c. "Clinical Case Presentations"
 - d. "Statistics for the Interventionalist"
 - e. "PCI for Chronic Stable Angina: How Much COURAGE Do You Need?"
 - f. Interventional Procedure Stimulation Training
 - g. Complex Left Main Intervention Founders
- ♦ Founders Lecture at SCAI Annual Meeting. 2013.

American Board of Internal Medicine

- ♦ ABIM Cardiovascular Subspecialty Board, 2003-2010

European Society Cardiology

- ♦ Invited Fellow - 2002 - present

Royal College of Physicians of Thailand

- ♦ Fellow - 2001 - present

Southern Society for Clinical Investigation (SSCI)

- ♦ Member 2009-2011

MAJOR UNIVERSITY AND PRACTICE COMMITTEES

- ♦ Referral Practice Committee - Department of Medicine, 1979, 1992
- ♦ Board of Directors- University of Internal Medicine Foundation, 1979-present, Vice-president, 1985-present
- ♦ Secretary - MCV Associated Physicians, 1977-78
- ♦ Vice President - MCV Associated Physicians, 1978-80
- ♦ Board of Director - MCV Associated Physicians -1991-present
- ♦ Member of Search Committee for MCVP Members at large -1994.
- ♦ Search Committee, Radiology Chairman,1983,1989-1990, Chairman 1989-90
- ♦ Intern Selection Committee, Department of Internal Medicine, 1978-81
- ♦ Search Committee, Executive Director, UIMF - 1984, 1988
- ♦ Clinical Operations and Planning Committee- Department of Medicine 1986-2009, Chairman, 1993- 2009.
- ♦ Quality Assurance Committee Representative for Department of Medicine - 1987-1991
- ♦ Incentive Bonus Committee Member - Department of Medicine, 1988 – present, Chairman 1999-2001
- ♦ Cardiovascular Strategic Planning Committee (University). 1992 - present, Co-Chairman, 1992
- ♦ Chairman of Search Committee - Pediatric Chairman - 1994-1995
- ♦ Tenure Committee member for Dr. Victor Vieweg, Department of Psychiatry, 1995
- ♦ Tenure Committee for Dr. Jay Perman, Chairman of Pediatrics, Chairman - 1996
- ♦ Search Committee - CVT Nursing Director - MCV - 1996
- ♦ MCV Foundation - Board of Trustees – 1997,2004,2005-present
- ♦ Chairman of Search Committee for Chairman, Department of Surgery, 1998- 1999
- ♦ Chairman of Tenure Committee for Chairman of Department of Surgery, Dr. Ronald Merrell, 1999
- ♦ MCVP Capital Budget Comittee member - 1998-2000
- ♦ Community Computer Linkage Committee, member - 1998-1999
- ♦ Tenure Committee member for Dr. Todd Gehr
- ♦ Organized Cardiology Consortium, a lay fund raising organization for Cardiology

(1998-2010)

- ♦ Promotions Committee, Department of Surgery, member 1999-2000
- ♦ Incentive Committee - DOIM - 1999 - 2002
- ♦ Promotions Committee, Robert Zwicker, M. D., Associate Professor of Radiation Oncology, member, 2000
- ♦ VCUHS Board Strategic Planning Committee -2000-2006
- ♦ Tenure Committee - Steven Woolf, Family Medicine 2001
- ♦ Panelist to 4D Leadership Project - 2001 - 2002
- ♦ Non-Chair Member of MCVP Board - 2002- 2004
- ♦ MCVP Clinical Practice Council - 2005-2008
- ♦ VCUHS Audit & Compliance Committee- 2006-2008
- ♦ VCUHS Authority Board - 2006; Executive Committee 2008-2012; Secretary 2011-2012.
- ♦ Promotion Tenure Committee. Antonio Abbate, Thomas Loughran, Douglas Willson

OTHER SIGNIFICANT SCHOLARLY, RESEARCH OR ADMINISTRATIVE EXPERIENCE

- ♦ Steering Committee for Percutaneous Transluminal Coronary Angioplasty-NHLBI, 1979-83.
- ♦ CORDIS - Adverse Event Adjudication Committee for the CROWN Study - 1997-1999; Chairman 1997
- ♦ MERCK - Cardiovascular Adjudication Committees - 1996, 1997, 1998, 1999, 2001, 2002, 2003, 2004
- ♦ MERCK - Cardiovascular Adjudication Subcommittee, Chairman 1998-2006 - VIGOR Trial
- ♦ SCIMED Advisory Board - 1997-2000
- ♦ Park-Davis/Pfizer End Point Committee - 1998, 1999, 2000-2003
- ♦ NIH Grant Review - June 6, 1998, Pfizer- Covalent Cardiovascular Adjudication Committee - 2000 - 2004
- ♦ King Pharmaceutical Adjudication Committee - 2001-2006
- ♦ DRCC/Bracco Cardiovascular Adjudication Committee 2002
- ♦ CV Therapeutics Advisory Board – 2001-2005
- ♦ Viagra Research Grant Review Committee –2002-2004, Committee Chairman 2003 & 2004
- ♦ Camelot/Normalize Endpoint Committee - Endpoint Committee 2001-2004
- ♦ Endpoint Committee for Baxter Cell Transplantation Trial – 2006 – present
- ♦ Endpoint Committee for Pfizer for Varenline Trial–2006– 2008
- ♦ Endpoint Committee - Merck 2006; MK 05 24 A/B
- ♦ Endpoint Committee for Boston Scientific Stent Study: TC-Wire - 2006
- ♦ Endpoint Committee - Merck - For HDL Cholesterol-2009
- ♦ DSMC Committee, Chairman - Pfizer - CV Outcomes for Celebrex in Acute Gouty Arthritis, 2008-2010.
- ♦ Endpoints Merck. 2012-present (Multiple agents).

- ♦ DSMC Takeda 2013-present

COMMUNITY SERVICES

- MCV Foundation-Heartwarming News from the World of Cardiology New Frontiers in Cardiology Research, Education and Care - Rappahannock, Virginia - July 21, 1998
- Great Bed Race Participant - 1998, 2001-2005
- Richmond Rotary Club - Cardiac Update. Richmond, VA, February 16, 1999
- Virginia Electric & Power Company - Health and Wellness Program - February 21, 2001
- Invited Community Talk sponsored by the Virginia AHA "Diagnosing and Preventing Coronary Artery Disease Before a Castrophe: Should Clinton Have Known?" Richmond, Va – October 20, 2004
- Invited local presentation- Capital One Employee Health Symposium, "Clinton Should Have Known". Richmond, VA, March 16, 2006
- Tappahannock Chamber of Commerce - "Women & Heart Disease. Tappahannock, VA, February 14, 2007
- Invited Community Presentation- "Management of Coronary Artery Disease, 2007", South Hill, VA, September 12, 2007
- Jewish Community Center - Women & Heart Disease, February 2009
- VCU Health Network- "How to Prevent a Heart Attack But What To Do If You Think You Are Having One", Lewis Ginter Botanical Gardens, Richmond, VA, February 2009
- Mended Hearts. "Update on Percutaneous Coronary Disease Management" – Richmond, VA. January 5, 2010
- Community Education "Optimizing Pre-transfer Management in "Patients with ACS" South Hill, VA. December 15, 2010,2014.
- VCU Sponsored. Northern Neck Medical Society "Coronary Intervention 2011". Irving, VA. February 10, 2011.
- Annual KollerCommunity Education "Lupus & the Heart"– Lupus Foundation of Virginia. Richmond, VA. November 3, 2011.
- Birksdale Women's Club. "Women and Heart Disease" Jewish Community Center 2012
- JCC Men's Club. "No One Lives Forever but You Don't Have to Die of Heart Disease. Rchmond, VA March 12, 2012.
- VCU Sponsored. Cardiology Seminar. Lewis Ginter. "Cardiovascular Health for a Long Life: A conversation with VCU Cardiologists about Living Long and Living Well." VCU Cardiologists Group Discussion. Richmond, VA February 23, 2012

EDITORIAL ACTIVITIES

- ♦ Associate Editor- Catheterization and Cardiovascular Diagnosis Journal 1986 - 2000; Editorial Board 2000-present
- ♦ Editorial Board - Journal of Interventional Cardiology, 1987-present
- ♦ Editorial Board Journal of Invasive Cardiology - 1988 - present

- ♦ Editorial Board - Trends in Cardiovascular Disease, 1990-92
- ♦ Editorial Board - American Heart Journal, 1993-1997

- ♦ Editorial Board - Journal American College of Cardiology, 1993-1997, 2001-2005
- ♦ Editorial Board - American Journal of Cardiology, 1992-present
- ♦ Editorial Board - Cardiovascular Therapeutics - 1997- present
- ♦ Editorial Board - Cardiology Today - 1997 – present
- ♦ Section Member (Interventional Cardiology) 1997- 2006
- ♦ Editorial Board - Heart Disease - 1998 - 2006
Section Editor - 1998 - 2006
- ♦ Editorial Board - Cardiologia at Dia 1998-2000
- ♦ Editorial Board – Internal Medicine of Thailand– 2000–2006.
- ♦ Cardiology in Review. Section Editor. Coronary Artery Disease. 2009-2012
- ♦ Editorial Board – Journal American College of Cardiology & Intervention 2011-Present.
- ♦ JACC Guest Editor 2014-17
- ♦ On-line Lead Editor. Invasive Cardiovascular Angiography and Interventional on ACC.org. 2015-present

Journal Manuscript Reviews:

- ♦ American Heart Journal
- ♦ Catheterization and Cardiovascular Intervention
- ♦ Clinical Chemistry
- ♦ Virginia Medical Monthly
- ♦ Hypertension
- ♦ Circulation
- ♦ American Journal of Cardiology
- ♦ Journal of Invasive Cardiology
- ♦ Journal of Interventional Cardiology
- ♦ Annals of Internal Medicine
- ♦ Southern Medical Journal
- ♦ British Heart Journal
- ♦ Journal of American College of Cardiology
- ♦ FASEB
- ♦ Cardiology Today
- ♦ Heart Disease
- ♦ Mayo Clinic Proceedings
- ♦ Journal of Nephrology
- ♦ Clinical Cardiology
- ♦ New England Journal of Medicine
- ♦ Circulation: Intervention
- ♦ Journal of American College of Cardiology: Intervention

AWARDS AND RECOGNITIONS

- ♦ Chosen as one of the best doctors in the America, 1991
- ♦ Received "Merit of Award" from National American Heart Association. June 21-23, 1991, Dallas, Texas
- ♦ Selected as one of the "Best Doctors in America" by Woodward/White Inc., 1994 - present
- ♦ Keynote Speaker representing 25th Medical School Class (1970) Reunion at Annual Scientific Session Alumni Weekend, University of Virginia, "Revascularization Strategies in the Management of Ischemic Heart Disease. Insight from an Invasive Cardiologist", Charlottesville, VA; May 12, 1995
- ♦ Selected as Honored Member of U. S. Registry Who's Who Among Outstanding Americans 1995-2002
- ♦ Chosen one of "The Country's Best Heart Doctors", Good Housekeeping, March 1996
- ♦ First Recipient of Golden Heart Award presented by American Heart Association, Richmond, VA, May 10, 1997
- ♦ Associated Physicians Clinician of the Year, May 17, 1997
- ♦ Elected to Association of University Cardiologists, 1998. A select group (125 members) of academic cardiology leadership.
- ♦ Awarded the W. Robert Irby Award for Philanthropic Leadership, Presented by MCV Foundation, August 2001
- ♦ Awarded the Horsley Lecturer - Richmond Academy of Medicine February 2007
- ♦ Awarded the Melvin L. Marcus Memorial Award- Gifted Teacher in Cardiology, Vancouver, BC, 2007
- ♦ "Top Docs in Richmond Magazine's 2008 Survey, "Best in Field". 1988-2015.
- ♦ Founder Lecture, SCA&I 2013 National Meeting

- ♦ VCU Distinguished Faculty Service Award. 2011.
- ♦ Recognized as Master of Cardiology by ACC. 2014.
- ♦ Recognized as Master of the SCA&I. 2014.
- ♦ VCU Presidential Medallion. 2014.
- ♦ C3 Career Award at 10th Annual C3 Meeting, Orlando, FL. June 2014
- ♦ Lifetime Fellowship Award at Interventional Academy of Cardiology Meeting, Boston, MA. July 2014.
- ♦ Vice-Presidential Medal. 2014.

TEACHING/TRAINING LEADERSHIP:

- ♦ Award of Recognition for Support, Teaching & Leadership in Cardiology Fellowship Program, 1999-on-multiple years.
- ♦ Award of Excellence - Intervention Cardiology Fellowship Program, 2000-2001.
- ♦ Award for Teaching - Internal Medicine M2 Lectures on Cardiovascular Disease - Virginia Commonwealth University Medical Center - 2007
- ♦ Award - Partners In Healing - Health System MCV Hospitals & Physicians - Presented by Magnet Hospital Program, 2007

PROGRAM FUND DEVELOPMENT:

- ♦ Organized and lead a Cardiology Development Group – “The Cardiology Consortium” for Pauley Heart Center. 1998
- ♦ Organized and lead major fundraising program including a 6.25 million campaign in 2002 providing support for programs, four Professorships and one Chairmanship.
- ♦ Organized a successful Ten Million Dollar Two-Year Campaign -2004.
- ♦ Organized a Five million dollar donation to name the Heart Center the VCU Pauley Heart Center.
- ♦ Organized the McCue Award for Successful Women in Cardiology - 2008/2009

Medical Alumni Update Programs. Sponsored by MCV Foundation

- ♦ New York, New York - Alumni - December 2003
- ♦ Dallas, Texas - October 2004
- ♦ Wilmington, North Carolina – May 2005

CONSULTING PROGRAM CARDIOLOGIST:

- ♦ NASA, Langley for exercise testing and screening procedures - 1977
- ♦ Virginia Beach Hospital for feasibility of Intracoronary Streptokinase Program
- ♦ Suburban Hospital, Bethesda, Maryland for feasibility of cardiac catheterization laboratory
- ♦ Mater Misericordiae, Dublin, Ireland 1985 - Lectures and laboratory angioplasty training
- ♦ Upjohn Pharmaceuticals - Consultant to Ciprostone Protocol, December 1985
- ♦ Pfizer Visiting Lecturer - Advisory Panel, 1988-1991; Chairman 1991
- ♦ Cordis Catheter Company - Consultant regarding infusion balloon catheters in restenosis, 1991
- ♦ Member of Advisory Board - Mansfield Scientific, Inc., 1987 - 1988.
- ♦ Consulting Panelist regarding Thrombolytic Agents in Acute Myocardial Infarction - July 1987
- ♦ Consultant on possible purchase of intravascular ultrasound company, 1990
- ♦ FDA Hearing June 1991
- ♦ Court Product Testimony - January 1992
- ♦ Consultant to Pfizer as one of three Senior Physicians Heading the ASAP Trial, 1992
- ♦ New Calcium Blocker Application - 1993.
- ♦ Ischemic Therapy, 1993
- ♦ FDA Mock Meeting, 12-5-99
- ♦ Consultant - Cardiologist Perspective of Statins- October 2003
- ♦ Consultant - Atorvastatin Cardiovascular Board Meeting – June 2004
- ♦ Consultant –Interventional Advisory Board Meeting February 4-6, 2005
- ♦ Consultant –Lipitor Regional Cardiology Advisory Board – May 6, 2005
- ♦ Consultant –COX-2 Regional Cardiology Advisory Board – May 7, 2005
- ♦ Consultant to Burroughs Wellcome - Antisense RNA for Restenosis, 1994-95

- ♦ Consultant to FDA Circulatory System Devices Panel - 1996 - present

- ♦ Consultant to HFCA Validation Panel Representing American College of Cardiology - October 7, 1997
- ♦ Consultant to RIBI Immunochem Research, Inc., FDA Hearing, January 1998
- ♦ Consultant to BioAcoustics, Incorporated - FDA Hearing, January 1998
- ♦ Consultant to Merck Research Laboratories - February 27-28, 1998, August 14, 1998
- ♦ Advisory Board & Consultant to Boston Scientific. - October 24-27, 1998
- ♦ Co-PI - ANDI Trial International Study, US Representative; Presented final data June 2004 at close-out meeting, 2002-2004; ANDI End of Study Results Meeting – Athens, Greece – June 19, 2005
- ♦ Consultant - ReoPro Regional Strategy and Consulting Conference - Atlanta, GA - December 15, 2001
- ♦ ReoPro Regional & Consulting Conference - Las Vegas, NV - June 6-7, 2003
- ♦ Advisor Board & Consultant - CV Therapeutics - 2002– 2006
- ♦ Advisory Board Meeting. Current Angina Management, Discussion presenter and leader, Atlanta, GA. August 16-17, 2006
- ♦ Speaker Training Series: Current Spectrum of Angina Pectoris Chicago, IL, August 4-6; October 24-29, 2006; San Francisco, CA June 9-10, 2006
- ♦ Consultant - CARE Study, Chicago,IL October 27-29, 2006
- ♦ Consultant & Chairperson; CARE Study, Orlando, FL, February 9-11, 2007
- ♦ Consultant to Eli Lilly – 2002& 2004
- ♦ Consultant to BRACCO Diagnostics
 - VICC Trial-October 2003
 - Isovue - April 19, 2004
 - Contrast Advisory Board - 2004-2005
- ♦ Consultant Meeting - Post Market Evaluation of Breakthrough Technology - Summit on Issues & approaches Case Study on DES Thrombosis & Allergy) Bethesda, MD - February 16-18, 2004
- ♦ -Bracco National Sales Meeting - Presentation "Current Issues in Coronary Contrast Administration", Tuscon, Az -February 14-15, 2005
- ♦ Advisory Board - Stereotaxis - 2004-2006
- ♦ Consultant – VBWG Regional Adjunct Faculty Meeting “Optimizing Outcomes in Patients with Multiple Cardiovascular Risks” – Orlando, FL, December 9, 2005
- ♦ Consultant to Cordis, J & J on Drug Eluting Stents 2005– present (DES Advisory Board)
- ♦ Consultant & Moderator; Cypher Safety & Efficacy Clinical Update Meeting, Winchester VA. February 22, 2007
- ♦ The Drug Eluting Stent Controversy: PCI vs CABG, 2007, Consulting Forum. New Brunswick, NJ. November 30, 2007
- ♦ Consultant Pfizer Aromasin Cardiac Study Design Meeting, New York, NY, December 15, 2005
- ♦ Consultant to FDA New CV Devices Panel regards current use of drug eluting stents - December 2006

- ♦ Consultant- Cordis Regarding DES, 2007
- ♦ Consultant- Eli Lilly - Regarding Antiplatelet Agents, 2007
- ♦ Consultant - Cardiva Medical Inc., Medical Advisory Board, Hollywood, CA. January 18-20, 2008
- ♦ Consultant CVT - November 2008
- ♦ Consultant Lilly - December 2008
- ♦ Chairman, Pfizer DSMC Meeting. June 9, 2010
- ♦ Siemens Corp Avisory Meeting for Interventional Cardiology. Consultant. Forchheim, Germany. April 26-28, 2009
- ♦ Gilead Sciences. Medical Affairs Advisory Program. San Francisco, CA. April 22, 2010
- ♦ Sono Medical Advisory Board –Vienna VA – May 27, 2010
- ♦ Gilead Sciences. Moderator for Ranexa Advisory Board meeting. Indianapolis, IN. June 25-26.2010.
- ♦ Siemen’s Corp Healthcare Interventional Advisory Meeting.
- ♦ Consulting on Imaging Techniques. Forchheim, Germany
- ♦ July 10-14, 2010

- ♦ American Medical Foundation. CV Consultant. Baltimore, Md. October 30
November 1, 2009:Philadelphia. PA January 23-24, 2010; July
16-18, 2010, April 7- 10, 2011.
- ♦ Consultant to Pfizer 2011 regards Varenicle
- ♦ Consultant to Gilead 2012-2013 regards Ranexa
- ♦ Consultant – Eli Lilly, 2014-present
- ♦ Consultant - Abiomed. 2014-present
- ♦ Consultant – Merck. 2015

STUDENT LECTURES:

- ♦ M-II Cardiovascular Course, 1980-present; 3 lectures 2003—2013. One lecture on mechanisms of angina 2014,2015
- ♦ M-II Physical Diagnosis - 1976-80, 1982, 1984, 1986, 1989
- ♦ M-III Core Curriculum - 1978-81
- ♦ M-III Clinical Pharmacology Workshop - 1984, 1985
- ♦ M-IV Cardiopulmonary Survey - 1976-82, 1988, 1989
- ♦ Club Med Advisor 1999 - Present
- ♦ Club Med Divisional Luncheon - Medical College of Virginia, 1996 - 2003
- ♦ Foundations of Clinical Medicine Second Annual Retreat

- Small Group Leader Workshops. "Myocardial Infarction"
- ♦ Teaching the Cardiac Exam: Tools & Pearls
Williamsburg, Virginia - February 15, 1997
- Update on Coronary Disease Management -December 7, 2002

Medical Student Advisor for

Sandy Beyer - 1996-2000.
 Meredith Evans, 2000-2004
 Matt Polluck - 2001-2006
 Mike Lipinski - 2001-2006
 Mandy Hess - 2003-2004
 Deep Demazumder - 2003-2006
 Stuart Siegel - 2004-2008
 Barry Sanderlin - 2005-2009

Mentoring

Student/Resident

- ♦ Mike Lipinski for Sarnoff One Year CV Fellowship - 2002-2005
- ♦ Antonio Abbate - 1999-2010
 -Transcatheter Therapeutics Young Investigator of the
 Year Finalist.

Faculty

- ♦ Mike Kontos 2000-2011
- ♦ Graduate Student Lecture - "Heart Disease" VCU - The Art of International Healing, School of World Studies College of Humanities & Sciences - May 29, 2004
- ♦ Organized Visiting Lecturership, Dr. John Michael Criley, for Club Med and Housestaff Teaching Session, 2000, 2003, 2005, 2007.
- ♦ Organized Cardiology Interest Group and Faculty Advisor for MI-MII Students; Four Lectures per year, 2001-2015.
- ♦ Invited Lecturer- StepUp, Hero and Alliance Summer Research Program; **Grant Funded by NHLBI**, "Coronary Artery Disease", July 18, 2008

OTHER TEACHING Activities

- ♦ Mini-tutorial PTCA Course. Medical College of Virginia – 6 per year. 1990-1999,

- Sponsored by USCI/AVE).
- ♦ Supervise Interventional Training Program for two graduate Cardiology Fellows/year, 1982 - present
 - ♦ USCI Field Representative In-Lab Training Sessions 4/year - 1993-1998
 - ♦ Eli Lilly Regional Coronary Angiographic Training for field cardiovascular representatives, 1994, 1995, 1998
 - ♦ USCI Regional Sales Training Session (Eastern Region) Philadelphia, PA, June 24, 1996
 - ♦ Mini-Medical School - Coronary Artery Disease: Cardiac Catheterization Lab, Angioplasty and Risk Factor Modification, Science Museum - Richmond, Virginia - April 2, 1997
 - ♦ Mini-Medical School - Angina Management for the New Millineum, May, 2000
 - ♦ Mini-Medical School - "Fixing a Broken Heart: Unclogged Blocked Arteries" -October 2003
 - ♦ Organized and participated in Richmond Case Exchange – Richmond, VA May 16, 2003
 - ♦ Organize and CME Director for Monthly Cardiology Rounds with outside speakers - 1991-2014.
 - ♦ Organize and CME Director for weekly Cardiac Cath Conference including arranging monthly outside speaker 1991-2014.
 - ♦ Organized Cardiology Update CME Program for Quarterly Updates in Tappahannock, VA 2005
 - ♦ Supervise Interventional Training Program for two graduate Cardiology Fellows/year, 1982 - present
 - ♦ Supervise Interventional Training Program for two graduate Cardiology Fellows/year, 1982 – present
 - ♦ Ogaized Cardiology Update CME for PCP Physicians in Richmond Combined Practices, 2006.
 - ♦ Organized Williamsburg CME Program for Quarterly Updates in Williamsburg, VA. 2007, 2008, 2009

GRANTS (*principal investigator* **)

Cardiac Rehabilitation Grant - American Heart Association, Virginia Affiliate and Vocational Rehabilitation Department- **

MCV Small Grant Award to study HDL Cholesterol with Out-Patient Cardiac Exercise Program. **

Foote Foundation Grant to study HDL Cholesterol with Out-Patient Cardiac Exercise Program. **

Grant - A. H. Robins to study comparison of two types of Dopamine-**

Grant - McNeil Pharmaceuticals to study Bepridil Hydrochloride 400 mg: Crossover comparison with placebo in stable angina pectoris.**

Grant - Pfizer Pharmaceuticals to study the evaluation of resting left ventricular function, sinus node and A-V conduction properties following single dose administration of Nifedipine to patients on beta blocker treatment with normal resting left ventricular ejection fraction. **

Grant - Pfizer Pharmaceuticals to study acute cardiac hemodynamic effects of IV and IC Nifedipine **

Grant - A study of alternative treatment regimens in patients with angina pectoris experiencing adverse effects on optimal dose beta blocker therapy. Pfizer Pharmaceuticals **

Grant - Pfizer Pharmaceuticals to study crossover comparison of Long Acting Nifedipine Tablets with Nifedipine Capsules in Chronic Stable Angina. Yearly Extensions 1986, 1987, 1988, 1989, 1990. **

Grant - Scintigraphy for albumin flux in ARDS and heart failure. 1984-86.

Grant - Ciprostone(U-61,431F) in Percutaneous Transluminal Coronary Angioplasty (PTCA). Upjohn Company. **

Grant -Dose Range Finding and Safety Study for BWt-PA When Given by Continuous Intravenous Infusion for up to 24 Hours to Patients with Acute MI. Burroughs-Wellcome. **

Grant -Efficacy and Safety of VASCOR Bepridil Hydrochloride in Patients with Chronic Stable Angina Who are Refractory to Diltiazem Hydrochloride. McNeil Pharmaceuticals. **

Grant -Evaluation of Acute Hemodynamic & Electrophysiologic Effects of IV Amlodipine in Patients with Angina Pectoris. Pfizer Pharmaceuticals. **

Grant - Double Blind Parallel Placebo Controlled Evaluation of Amlodipine in Patients with Vasospastic Angina Pectoris. Pfizer Pharmaceuticals. **

Grant - Bypass Angioplasty Revascularization Investigation(BARI). National Heart, Blood, & Lung Institute. 1977-94.

Grant - M-Heart Sulotroban. Smith, Kline & French Laboratories. 1988-1990. **

Grant - Hexabrix/Isovue - Squibb Diagnostics. 1989.**

Grant - Ominipaque versus Renografin in High Risk Patients. Winthrop - 1989- 1990.**

Grant - Atenolol Silent Ischemia Trial (ASIST). ICI. 1990.**

Grant - Eminase Fib023. Smith Kline Beecham Pharmaceuticals. 1990**

Grant - A Prospective Randomized Double-Blind Trial to Differentiate the Safety Profiles Comparing Iopamidole to Ioxaglate in the Allergy Sensitive Patients Schedule for Cardiac Catheterization. Squibb Diagnostics. 1991 **

Grant -Global Utilization of Streptokinase & TPA of Occluded Coronary Arteries (GUSTO). Genentech. 1991

Grant -Clopidogrel vs Aspirin in Patients at Risk of Ischemic Events (CAPRIE). Sterling Winthrop Pharmaceuticals. 1993.**

Grant - A Multicenter Double-Blind, Randomized Study to Compare the Safety and Efficacy of BG8967 with Heparin in Patients with Unstable Angina Undergoing Percutaneous Transluminal Angioplasty. Biogen. 1993. **

Grant - Carvedilol in Heart Failure Trial: A Six-Month Double-Blind, Multicenter Comparison of Oral Carvedilol BID with Placebo in Patients with Congestive Heart Failure, NYHA II-IV. Smith Kline Beecham Pharmaceuticals. 1993**.

Grant - A Twelve-Month Double-Blind, Multicenter Comparison of Oral Carvedilol BID with Placebo in Patients with Mild Heart Failure Class II. Smith Kline Beecham Pharmaceuticals. 1993**

Grant - A One Year, Open-Label, Multicenter Safety Study of Twice Daily Oral Carvedilol in Patients with NYHA Class I-IV Congestive Heart Failure. Smith Kline Beecham Pharmaceuticals. 1994**

Grant - Effect of Intravenous Ifetroban (BMS-180291) on Myocardial Ischemia Elicited by Transient Coronary Artery Occlusion. Bristol-Myers Squibb Pharmaceuticals. 1994**

Grant - Randomized, Double-Blind, Placebo-Controlled Study of the Effects of MK-383 on Cardiac Outcomes in Patients Undergoing Percutaneous Transluminal Coronary Angioplasty of Atherectomy Due to Unstable Angina Pectoris or Following Acute Myocardial Infarction. Merck & Company, Inc. 1995**

Grant - Stent Anti-Thrombotic Regimen Study (STARS). Johnson & Johnson. 1995**

Grant - The Efficacy and Safety of RO 40-5967 in Comparison to Placebo in Patients with Vasospastic Angina Pectoris. Hoffman-LaRoche, Ltd. 1995**

Grant- Initial Recanalization of Occluded Vein Bypass Grafts with Intracoronary Infusion of Urokinase. Abbott Laboratories. 1995**

Grant – ALLHAT: Anti-Hypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial. National Institute of Health. 1996-2003

Grant - PEACE Trial: Prevention of Events with Angiotensin Converting Enzyme Inhibitors. National Institute of Health. 1996- 2004

Grant - ACT 2401 Study of the Safety and the Pharmacodynamic Effects of SR 33589B Administered Orally for One Month to Patients with Left Ventricular Dysfunction. Sanofi-Winthrop. 1996**

Grant - A Phase II, Multicenter, Randomized, Double-blind Placebo Controlled Study Evaluating the Effects of 30,40 and 50 mg Orbofiban Administered Twice Daily and 50 mg Orbofiban Administered Once Daily in patients with Stabilized Ischemic Syndromes. Searle. 1997-1998. **

Grant - Evaluation of the XT Stent for Restenosis in Native Arteries. C.R. Bard, Inc. 1997.**

Grant -A Double-Blind Placebo-Controlled Multinational Trial to Investigate the Effect of the NA+/H+ Exchange Inhibitor HOE 642 (Capiptide) on all cause mortality and myocardial infarction in Patients at Risk of Myocardial Necrosis due to Acute Coronary Syndrome Related to the Disease Process or an Interventional Cardiac Procedure

(Guardian Trial). Hoechst Marion Roussel, Inc. 1997**

Grant - TIMI14-A Trial: A Phase II Randomized, Open Label Angiographic Trial Evaluating the Benefit of ReoPro Bolus Plus 12 Hour Infusion Alone or in Conjunction with Thrombolytic Therapy for Acute Myocardial Infarction. Brigham and Womens Hospital. 1997**

Grant - A Multi-Center Study of Palmaz-Schatz Mini-Crown Balloon-Expandable Stented Mounted on the Cordis Dynasty OTW Delivery System for Patients Undergoing Elective MiniCrown Stent Placement versus Balloon Angioplasty in Small Coronary Arteries – 1997**

Grant - Tactics TIMI 18 Trial-Treat Angina with Aggrastat and Determine cost of Therapy with an Invasive or Conservative Strategy. 1998-1999.

Grant - A Phase II, Randomized, Open Label Angiographic Studying evaluating the benefit of Orbofiban administered twice daily and 50 mgs Orbofiban administered once daily in patients with stabilized ischemic syndromes. (TIMI-OPUS Trial). Brigham & Womens Hospital. 1997-1998 **

Grant - Beta Cath System Trial: A prospective, randomized placebo-controlled, triple-masked trial to evaluate the safety and effectiveness of Novoste Beta Cath™ System in native coronary arteries. NOVOSTE Corp. 1997– 2004 **

Grant - G. D. Searle - Evaluation of Oram Xemilofigan in controlling thrombotic events (EXCITE) Trial. 1997-1998. **

Grant - A multicenter study of the Palmaz-Schatz Minicrown Balloon-Expandable Stent mounted on the Cordis Dynasty™ OTW delivery system for patients undergoing elective minicrown stent placement versus balloon angioplasty in small coronary arteries. Cordis. 1998. **

Grant - A Phase III, International randomizing, double blind placebo- controlled trial evaluation of the efficacy and safety of Orbofiban in patients with unstable coronary syndromes (OPUS-TIMI 16). Brigham & Womens Hospital Hospital. 1998-1999. **

Grant - Effect of LDL-Cholesterol Lowering Beyond Currently Recommended Minimum Targets on Coronary Heart Disease (CHD) Recurrence in Patients with Pre-Existing CHD. Park Davis Research. 1998-2003.

Grant - Stents and Restenosis Trial (START): To determine the safety and effectiveness of vascular brachytherapy in treating In Stent Restenosis. Novoste Corp. 1998–2004. **

Grant - Stents and Radiation Therapy (START 40/20): Evaluate Safety and Effectiveness of 90 Stronthium in Patients with in-stent restenosis of native coronary arteries. NOVOSTE Corp. 1999– 2004. **

Grant - Routine versus selective exercise treadmill testing after coronary artery bypass graft surgery, the ROSETTA CABG Study. McGill University, Montreal, Canada. 1999 - 2004.

Grant - Clopidogrel for Reduction of Events During Observation, the CREDO Study. Sanofi Pharmaceuticals Inc. 1999 - 2002. **

Grant - Prevention of Restenosis with Tranislat and its outcomes: A Placebo-Controlled Trial (PRESTO Trial). Smith-Kline Beecham Pharmaceuticals. 1999 -2000. **

Grant - Saphenous Vein Graft Angioplasty Free of Emboli Randomized trial, to determine the safety and effectiveness of Guardwire™ System (PERCUSURGE). 1999-2000. **

Grant – Replace-2 - Randomized Evaluation in PCI Linking Angiomax to Reduced Clinical Events. The Medicines Company. 2000-2003.

Grant - Bypass Angioplasty Revascularization Investigation- 2 Diabetes (BARI 2D). 2000-2002.

Grant - Visipaque vs. Isovue in Cardiac Catheterization: The VICC Trial. 2001- 2002. **

Grant – Pharmacokinetic Study of Sirolimus-Coated BX Velocity Balloon Expandable Stent in Patients with DeNovo Coronary Lesions. Cordis. 10/2001-12/2002. **

Grant – Cilostazol for Restenosis (CREST) Trial. Emory University. 2/2002-2/2004.

Grant – Study to Evaluate the Safety and Efficacy of BO-653 in Prevention of Post-Angioplasty Restenosis in Stented Lesion (PREVAIL). Chugal Biopharmaceuticals. 4/2002-10/2003. **

Grant – Lowering Adverse Outcomes with Temperature Regulation (LOWTEMP) Alsius Corporation. 9/20/02-9/30/03. **

Physician Initiated Research – Clinical and Angiographic Profiles of HIV Patients Undergoing Coronary Angiography. 2002 – current. VCU IRB # 2813. **

Grant - Clinical Verification of ACTT Assay, A modification of the Hemochron Jr Act + Assay with increased specificity of the direct thrombin inhibitor Bivalirudin (Angiomax). International Technodyne Corporation. October 2003.

Grant - A two-stage, prospective, randomized, double blind study of the effects of an Isosmolar contrast media [Visipaque (Iodixand) 320 mg-I/ml] and a hyperosmolar contrast media [Optiray) (Ioversal) 320 mg-I/ml on serum creatinine concentrate on subjects with elevated serum creatinine undergoing coronary angiography/interventions (VALOR). Amersham Health, Inc October 2003. **

Grant - The Acuity Trial: A randomized comparison of Angiomax bivalirudin) versus Lovenox/Clexane (enoxapanin) in patients undergoing early invasive management for acute coronary syndrome without ST-segment elevation. The Medicine Company. 2003-2007

Humanitarian Device Protocol- JOSTENT: Coronary Stent Graft for Commercial Use in Selected Patients through the Humanitarian Device Exemption Program. Abbott Vascular. 2003-current.
VCU IRB # 03200.

Grant - An International Phase 2-3, stratified, randomized, open label, parallel-group clinical trial to evaluate the safety and efficacy of a single intravenous bolus of enoxapanin vs. intravenous unfractional heparin in patients undergoing non-emergent percutaneous coronary intervention (STEEPLE). AVENTIS. 2004.

Grant- A multinational, randomized, double-blind, double- dummy, exploratory, parallel-group, dose-ranging phase II Study to Evaluate the Pharmacodynamics, the safety and tolerability ant the pharmacokinetics of several Intravenous regimens of the factor Xa inhibitor otamixAban (XRP0673/2002), in comparison to intravenous unfractionated heparin in subjects undergoing non-urgent Percutaneous Coronary Intervention (SEPIA PCI). AVENTIS INC. 2004-2005.

Grant-A Randomized Dose Ranging Study of Hexadecasaccharide including Active Control in Patients with Unstable Angina or Non-ST segment Elevation Myocardial Infarction Scheduled to Undergo Percutaneous Coronary Intervention (SHINE). Sanofi-Aventis. 2004-2006. **

Grant- Early Glycoprotein IIb/IIIa Inhibition in Non-St Segment Elevation Acute Coronary Syndrome: A randomized Double-Blind, Placebo controlled Trial Evaluating the Clinical Benefits of Early Front Loaded Eptifatibe in the Treatment of Patients with Non-ST-Segment Elevation Acute Coronary Syndrome (EARLY ACS). Millennium Pharmaceuticals. 2004-2007

Grant - Surgical Treatment for Ischemic Heart Failure Trial-(STICH). National Institute of Health (NIH). 2005. **

Grant- A Comparison of CS-747 and Clopidogrel in Acute Coronary Syndrome Subjects

who are to undergo Percutaneous Coronary Intervention (TIMI 38). Eli Lilly & Company. 2005-2007.

Grant-Prospective Multi-center, Single Blind, Two Arm Randomized Controlled Trial of the Conor COSTAR Paclitaxel-Eluting Coronary Stent System versus the Taxus Drug-Eluting Coronary Stent System in Patients with DeNovo Lesions of the Native Coronary Arteries (COSTART II) Conor Medsystems. 2005-2006. **

A phase 1-2, Multicenter, randomized, double blind, placebo controlled, prospective study to evaluate the safety and potential efficacy of single increasing doses of TG100-115 in subjects undergoing percutaneous coronary intervention for acute ST elevation myocardial infarction. TargeGen Inc. 2005-2007.

Visipaque 320 and Isovue-370 in Cardiac Angiography in Renally Impaired patients (CARE). 2006. **

A Multi-Center, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety of SCH 530348 in Subjects Undergoing Non-Emergent Percutaneous Coronary Intervention Coronary Intervention (Thrombin Receptor Antagonist in PCI [TRA-PCI]). Schering-Plough Research Institute. 2006. **

A Multi-Center, Prospective, Randomized, Double-blind, Placebo-controlled Phase III Clinical Outcome Study to Examine the Long-term Safety and Efficacy of Veliflapon (DG-031) in Reducing the Risk of Acute Cardiovascular Events by its Effect on Leukotrienes in African American Patients with Coronary Artery Disease and Leukotriene Gene Markers. The LTCAD Study. DeCODE Genetics. 2006. **

A Multi-Center Double Blind, Randomized Study to Establish the Clinical Benefit and Safety of Vytorin (Ezetimibe/Simvastatin Tablet) vs. Simvastatin monotherapy in High Risk Subjects Presenting with Acute Coronary Syndrome (IMPROVED Reduction of Outcomes: Vytorin Efficacy International Trial(IMPROVE IT)). Schering-Plough Research Institute. 2006-current.

Randomized, Multi-Center, Double blind, Placebo Controlled Trial of the Effects of Erythropoietin on Infarct Size and Left Ventricular Remodeling in Survivors of Large Myocardial Infarctions (REVEAL). National Institute of Health (NIH). 2006-June 2010.

Translational Research Investigating Underlying Disparities in Recovery from Acute Myocardial Infarction: Patients' Health Status (TRIUMPH). National Institute of Health. 2007-Sept 2009.

Cooling to Prevent Radiocontrast Nephropathy in Patients Undergoing Diagnostic or Interventional Catheterization (COOL RCN). Radiant Medical, Inc. March 2007 – September 2007. **

A randomized Double blind parallel group. Phase 3. Efficacy and Safety Study of AZD6140 compared with clopidogrel for prevention of vascular events in patients with non-ST or ST elevation Acute Coronary Syndromes (ACS) Plato. AstraZeneca. July 2007 – July 2008.

Physician Initiated Research – Evaluation of Homogenous Methods for Measuring HDL and LDL Cholesterol. March 2008 – July 2008.

A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of SCH 530348 in Addition to Standard of Care in Subjects with Acute Coronary Syndrome: Thrombin Receptor Antagonist for Clinical Event Reduction in Acute Coronary Syndrome (TRACER). Schering Plough Research Institute. March 2008 –October 2011. **

A Comparison of Prasugrel and Clopidogrel in Acute Coronary Syndrome (ACS) Subjects with Unstable Angina/ Non-ST-Elevation Myocardial Infarction (UA/NSTEMI) Who are Medically Managed-The TRILOGY ACS Study. Eli Lilly and Company. July 2008- 2011.

Recombinant Human Interleukin-1 Receptor Antagonist, Anakinra, to prevent post infarction remodeling: The Virginia Commonwealth University Anakinra Remodeling Trial (VCU-ART). VCU Internal Sponsor. August 2008- August 2009.

A Prospective, Single-Blind, Randomized, Multi-Center Study Comparing the CYPHER® ELITE™ to the CYPHER® Bx VELOCITY® Sirolimus-Eluting Stent Systems. Cordis, a Johnson & Johnson Company. January 2009 – 2010. **

Maintenance of platelet inhibition with cangrelor after the discontinuation of thienopyridines in patients undergoing surgery: The Bridge Trial (TMC_CAN-08-02). The Medicines Company. July 2009-August 2011.

EDUCATE: Endeavor Drug Eluting Stenting: Understanding Care, Antiplatelet Agents and Thrombotic Events. Medtronic. September 2010 – August 31, 2015. **

A Multicenter, Prospective, Randomized, Controlled Trial to Evaluate the Safety and Efficacy of the VASCADE™ Vascular Closure System (VCS) Vs. Manual Compression For the Management of the Femoral Arteriotomy After Percutaneous Endovascular Procedures. CARDIVA Medical, Inc. February 2011 – August 31, 2015. **

USpella (Impella 2.5®, Impella 5.0®, Impella LD®) Data Registry. ABIOMED, Inc. November 2010 – Current. **

CorPath 200 PRECISE – Percutaneous Robotically-Enhanced Coronary Intervention Study. Corindus Vascular Robotics. January 2011 – August 31, 2015. **

ALERTS (AngelMed for Early Recognition and Treatment of STEMI) Study. Angel Medical Systems. January 2012 – August 31, 2015. **

Renal Denervation in Patients with Uncontrolled Hypertension HYMPPLICITY HTN-3. Medtronic Ardian. April 2012 – August 31, 2015. **

Corpath Registry 2014-August 31, 2015. **

Dual Antiplatelet Post PCI Follow Up. Cordis/Medtronic. 2015.

Co-PI Odysse7 Trial for PCSK___Sanofy 2013-August 31, 2015. **

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Articles:

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2. **Vetrovec GW**, Warner JF: Infected subdural hematoma: Three case reports involving gram negative organisms. Amer J Med Sci 261:(1):113-115, 1975.
3. **Vetrovec GW**: Indications for cardiac catheterization in diagnosis and management of coronary artery disease. MCV Quarterly 15(1):16-21, 1979.
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angina pectoris: Clinical response, exercise performance and plasma nifedipine levels. *Am Heart Journal*. 115:793-798, 1988.

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264. Lipinski MJ, Abbate A, Khianey R, **Vetrovec GW**, Biondi-Zoccai GGL: Intracoronary

stem cell therapy improved left ventricular function and decreases infarct size following acute myocardial infarction. A Meta-Analysis.

Presented at American College of Cardiology Annual Scientific Session, New Orleans, LA, 2007.

265. Lipinski MJ, Frias JC, Amirbekian V, Mani V, Aguinaldo JGS, Briley-Saebo K, Sandbert D, Massey D, Fuster V, **Vetrovec GW**, Fayad ZA. Improved ex-vivo magnetic resonance imaging in human aortic atherosclerosis with macrophage-specific immunomicelles.
Presented at the American College of Cardiology Annual Scientific Session. New Orleans, LA. 2007.
266. Wittkamp MJ, Nusca A, Lipinski MJ, Appleton DL, Varma A, Abbate A, **Vetrovec GW**. Drug-eluting stents in patients with left ventricular dysfunction: a retrospective analysis. *Cathet Cardiovas Interv* 69:10. 2007
Presented at the Society of Cardiac Angiography & Intervention 2007 Annual Convention, Orlando, FL, May 2007
267. Lipinski MJ, Abbate A, Cowley MJ, Goudreau E, Malloy WN, **Vetrovec GW**. Statins and white blood cell count predict mortality in patients with ischemic left ventricular dysfunction undergoing percutaneous coronary intervention.
Presented at International Academy of Cardiology- 13th World Congress on Heart Disease Annual Scientific Sessions 2007. Vancouver, BC, July 2007
268. Varma a, Abbate A, Biondi-Zoccai GGL, **Vetrovec GW**. Efficacy of bivalnudin in patients with non-ST elevation acute coronary syndrome undergoing percutaneous coronary intervention, a meta-analysis on 17,375 patients. *Eur Heart J(Abstr suppl)* P1268. 2007
Presented at European Society of Cardiology 2007 Annual Session. Vienna, Austria, September 2007
269. Abbate A, Biondi-Ziccai, Appleton D, Lipinski MJ, Ramachandran V, Varma A, Agostoni P, **Vetrovec GW**. Late percutaneous coronary intervention following acute myocardial infarction, a meta-analysis of the effects on cardiac function and remodeling. *Eur Heart J(Abstr suppl)* P518. 2007
Presented at European Society of Cardiology 2007 Annual Session. Vienna, Austria, September 2007
270. Abbate A, Bussani R, Liuzzo G, Biondi-Zoccai GGL, Barresi E, Mellone P, Silvestri F, Baldi A, **Vetrovec GW**. Widespread coronary and myocardial activated T-lymphocyte infiltrate in acute myocardial infarction. *Eur Heart J (Abstr suppl)* P3368. 2007
Presented at European Society of Cardiology 2007 Annual Session. Vienna, Austria, September 2007
271. Abbate A, Strainos, Salloum FN, Mellone P, Qureshi IZ, Das A, Kukreja RC, Baldi A, **Vetrovec GW**. Anakinra, recombinant human interleukin-1 receptor antagonist, inhibits

apoptosis in a rat model of post-infarction remodeling. Eur Heart J (Abstr suppl) P2675. 2007

Presented at European Society of Cardiology 2007 Annual Session. Vienna, Austria. September 2007

272. Lipinski MJ, Cauthem CA, Abbate A, Cowley MJ, Goudreau E, **Vetrovec GW**. Statin therapy improves long-term outcome in patients with reduced renal function and left ventricular dysfunction undergoing percutaneous coronary intervention. Circulation 116:II:332, 2007.
Presented at American Heart Association 2007 Annual Session, Orlando FL, November 2007.
273. Abbate A, Salloum FN, Straino S, Das A, Dobrina A, Vecile E, Houser JE, Qureshi IZ, **Vetrovec GW**, Baldi A, Kukreja RC. Anakinra, recombinant human interleukin-1 receptor antagonist, inhibits apoptosis in acute myocardial infarction. Circulation 116:II:271. 2007.
Presented at American Heart Association 2007 Annual Session. Orlando FL, November 2007.
274. Cauthem CA, Lipinski MJ, Abbate A, Appleton D, Nusca A, Varma A Goudreau E, Cowley MJ, **Vetrovec GW**. Impact of statins and renal function on long-term mortality in patients with heart failure.
Presented at American Heart Association Scientific Session, Orlando, FL November 2007.
275. Abbate, A., Kontos, M. C., Grizzard, J. D., Biondi-Zoccai, G. G., Van Tassell, B. W., Robati, R., et al. (2010). Interleukin-1 Blockade With Anakinra to Prevent Adverse cardiac Remodeling After Acute Myocardial Infarction (Virginia Commonwealth University Anakinra Remodeling Trial {VCU-ART} Pilot Study).
Presented at the 59th Annual Scientific Session of the American College of Cardiology in Atlanta, GA.
276. Bhardwaj, H., Grizzard, J. D., Kontos, M. C., Robati, R., VanTassell, B., Roach, L. M., et al. (2010, March 14-16). Right Ventricular systolic dysfunction following ST-elevation acute myocardial infarction.
Presented at the 59th Annual Scientific Session of the American College of Cardiology in Atlanta, GA
277. Midwall, S., Robati, R., Gambill, M. L., Okogbue, I., Roach, L. M., Van Tassell, B. W., et al. (2010, March 14-16). Sustained inflammatory response in patients admitted with acute decompensated heart failure. (Presented at the 59th Annual Scientific Session of the American College of Cardiology in Atlanta, GA)

Truncated 2010

BOOKS

1. **Vetrovec GW**, Goudreau E: Coronary Angioplasty for the Interventionalist. Ed Vetrovec GW, Goudreau E. Published by Chapman & Hall. 1993.
2. Invasive Cardiology: Current Diagnostic and Therapeutic Issues. **Vetrovec, GW** and Carabello, BA (ed). Futura Publishing Co, New York, 1996.

BOOK CHAPTERS:

1. Richardson DW, **Vetrovec GW** and Williamson WC: Effects of sleep on blood pressure in patients with hypertension. Hypertension: Mechanisms and Management, Onesti, Kim and Moyer, Editors. Grune and Stratton, Inc. 1973.
2. Cowley MJ, Hastillo A, **Vetrovec GW**, Garrett R, Fisher LM, Hess ML: Fibrinolytic effects of low dose intracoronary streptokinase infusion in acute myocardial infarction. Fibrinolytic Therapy. Trubestein G, Etzel F, Editors. Schattauer Press, Stuttgart, New York. pp 489-496, 1983.
3. Fisher LM, Garrett RW, Cowley MJ, Hastillo A, **Vetrovec GW**: Alterations in blood coagulation associate with low dose intracoronary infusion of streptokinase in acute myocardial infarction. Progress in Fibrinolysis. Bachmann P, Editor, Churchill Livingstone, Edinburgh. In press.
4. **Vetrovec GW**, Cowley MJ, Gold HK: Transluminal angioplasty in patients undergoing streptokinase infusion. Angioplasty. McGraw Hill Publishing Co. 1985.
5. Cowley MJ, DiSciascio G, **Vetrovec GW**: Coronary Thrombus in Unstable Angina:

- Angiographic Observations and Clinical Relevance. Unstable Angina: Current Concepts and Management. Ed P. G. Hugenholtz, B. G. Goldman, Schattauer Press, Stuttgart, New York. pp 95-102, 1985.
6. DiSciascio G, **Vetrovec GW**, Cowley MJ, Colombo A: Coronary Angioplasty in Total Occlusions. Cardiologia Invasiva '86, Ed Mario Marzilli, Clas International, Brescia, Italy, pp 127-130.
 7. DiSciascio G, Cowley, MJ, **Vetrovec GW**, Kelly K, Lewis SA; Triple Vessel Coronary Angioplasty. Cardiology Up to Date: Diagnosis & Therapy. Ed. E. Monduzzi, Bologna, Italy.
 8. **Vetrovec GW**, Parker VE, Alpert DH: Efficacy of Nifedipine GITS in Stable Angina Pectoris. Cardiology Up to Date: Diagnosis & Therapy. Ed - E. Monduzzi, Bologna, Italy.
 9. **Vetrovec GW**: Coronary Angioplasty. Diagnostic & Therapeutic Cardiac Catheterization. Williams & Wilkins, Baltimore, Maryland. pp 237-256, 1988.
 10. DiSciascio G, **Vetrovec GW**: Acute Myocardial Infarction, Uncomplicated. Current Therapy in Cardiovascular Disease. Willis Hurst Editor. B. C. Decker, Inc., Philadelphia, PA, pp 166-170, 1991.
 11. Kohli RS, **Vetrovec GW**: Clinical Predictors of Renal Artery Stenosis in Patients Undergoing Coronary Angiography. Cardioneurology Editore M. Timio, V. Wizemann, Wichtig Editore, Milan. pp 443-445, 1991.
 12. Kohli RS, **Vetrovec GW**: High prevalence of Renal Artery Stenosis in Patients with Renal Insufficiency Undergoing Angioplasty. Cardioneurology. Editore M. Timio, V. Wizemann, Wichtig Editore, Milan. pp 27-30, 1991
 13. Kohli RS, **Vetrovec GW**: Management of Silent Myocardial Ischemia with Continuous-Release Nifedipine: A Possible Choice - Adalat: A comprehensive review. P. R. Lichtlen, A Reale (Eds.) Springer-Verlag, Heidelberg, pp 151-157, 1991.
 14. DiSciascio G, **Vetrovec GW**: Myocardial Infarction, Uncomplicated. Current Therapy in Internal Medicine. Kassirer JP, ed, B. C. Decker, Inc., Philadelphia, pages 387-391, 1991.
 15. DiSciascio G, **Vetrovec GW**: Coronary Angioplasty in Patients with Unstable Angina and Depressed Left Ventricular Function. Medically Refractory Rest Angina. Morrison D and Serruys P, ed., Marcel Dekker publisher, New York, NY, PP 253-267, 1992.

16. **Vetrovec GW**: Coronary Angioplasty Update - Diagnostic and Therapeutic Cardiac Catheterization. Williams and Wilkins, Baltimore, Maryland. Published September 1993.
17. **Vetrovec, GW**: Cardiac Transplant Coronary Artery Disease: Angiography and Intervention. Invasive Cardiology: Current Diagnosis and Therapeutic Issues. Ed. Vetrovec, GW and Carabello, BA. Futura Publishing Company, Inc. PP 475 - 482, 1996.
18. **Vetrovec, GW**: Calcium Antagonist in Myocardial Ischemia. Calcium Antagonists in Clinical Medicine, 2nd Edition. Ed. Epstein, M. Hanley & Belfus, Inc. Philadelphia, PA. PP 99- 113, 1998.
19. **Vetrovec, GW**: Optimal Performance of Diagnostic Coronary Angiography in CATHSAP (American College of Cardiology Computer Review of Coronary Angiography and Interventions. 1999.
20. Janin Y, **Vetrovec G**, Hess ML: Interventional Therapies for Cardiogenic Shock. In Textbook of Critical Care 4th Edition. Eds S Ayers, Al Grenuik, P Holbrook, U Shoemaker. W. B. Saunders 1999.
21. Abbate A, **Vetrovec GW**: Clinical Implications of Persistent Angina. In M. Marzilli – “The paradox of angina persisting after recanalization. Elseviere, France. 2006.
22. Lipinski MJ, **Vetrovec GW**: Coronary Anatomy and Lesion Characteristics for the Interventional Cardiologist. In MJ Kern, ed. SCA&I Interventional Cardiology Board Review Book. 1st Edition. Lippincott Williams & Wilkins. November 53-57: 2006.
23. Morrison, DA, Moliterno DJ, **Vetrovec GW**: Approach to Coronary artery Disease: Medical Therapy (Including Risk- Factor Modification), Coronary artery Bypass Graft Surgery, and Percutaneous Coronary Intervention Including Complex PCI. MJ Kern, ed. SCA&I Interventional Cardiology Board Review Book. Lippincott Williams & Wilkins. Chapter 19. 2007.

FILMS AND TAPES

1. **Vetrovec GW**: Cardiacs Can Do More (16 mm film). Medical College of Virginia, Virginia Commonwealth University. 1976. Accepted for listing in AVLINE Data Base National Library of Medicine. Film presentation at the American College of Chest Physicians, Boston, Mass. October 1980.
2. **Vetrovec GW**: How To Beat A Heart Attack. 2 hour TV Show for local TV station. September 1987.

3. **Vetrovec GW**: Channel 12 "HEALTH MATTERS". 1988, 1989, 1990.
4. **Vetrovec GW**: Intracoronary Thrombus: Angiographic Features of Acute Myocardial Infarction and Unstable Angina Pectoris. ACCEL, June 1982.
5. DiSciascio G, **Vetrovec GW**, Holmes DR, Ohman EM: Interventional Cardiology. The MCV Cardiology Conference July 1991.

EXHIBITS:

1. **Vetrovec GW**: Cardiac Rehabilitation: Presented in conjunction with Virginia Heart Association at the Medical Society of Virginia Annual Meeting, Williamsburg, Virginia. November 7, 1976.
2. **Vetrovec GW** and Cowley MJ: Newer Invasive Techniques for Diagnosis and Treatment of Coronary Artery Disease. Medical Society of Virginia Annual Meeting, Williamsburg, Virginia. November 6, 1980.
3. **Vetrovec, GW**, Cowley MJ, Hastillo A: Intracoronary Thrombolysis in Acute Myocardial Infarction: Techniques and Results. Developed 1982; Expanded and Updated 1984.
 - (a) Presented at American College of Cardiology, Atlanta, Georgia, April 1982.
 - (b) Presented at American Academy of Family Practice, San Francisco, California. October 1982.
 - (c) Presented at Medical Society of Virginia, Williamsburg, Virginia. November 1982.
 - (d) Presented at American College of Physicians, San Francisco, California. April 1983.
 - (e) Presented at American College of Chest Physicians, Chicago, Illinois. October 1983.
 - (f) Presented at American College of Cardiology, Anaheim, California. March 1985
4. **Vetrovec GW**, Parker VE: Beta Blocker Nifedipine Interaction: Effect on Global and Regional Left Ventricular Function.
 - (a) Presented at the American College of Physicians, Washington, D.C. March 1985.
 - (b) Presented at the American College of Chest Physicians, New Orleans, LA, October, 1985.
5. **Vetrovec GW**, Parker VE: Alternative Medical Treatment for Patients with angina Pectoris and Adverse Effects to Beta Blockers.
 - (a) Presented at American Academy of Family Practice,

Washington D. C. September 1986

(b) Presented at Southern Medical Association, Atlanta, GA,
November 8-11, 1986.

6. **Vetrovec GW**, Parker VE: Management of Chronic Stable Angina - Comparative Efficacy of Continuous Release vs Standard Nifedipine Formulations.
a) Presented at Southern Medical Association, San Antonio, Texas, November 1987.
7. **Vetrovec GW**, Edwards VE, Alpert DA: Usefulness of serial exercise tests to document early and late efficacy of continuous release antianginal agents.
(a) Presented at Southern Medical Association, New Orleans, LA Nov 6-8, 1988.
8. **Vetrovec GW**, Edwards VE: Assessing Drug Efficacy and Tolerance in a Continuous Release Antianginal Agent with Serial Exercise Tests.
(a) Presented at Southern Medical Association, Washington D.C., November 5-7, 1989.

INVITED PARTICIPANT:(Selected)

1. Demonstrations in Percutaneous Transluminal Coronary Angioplasty II, Zurich, Switzerland, April 9-12, 1979.
2. National Heart, Lung and Blood Institute Workshops I, II and III on Percutaneous Coronary Angioplasty, June 1979, June 1981 and June 1983.
3. Symposium on Bepridil. A New, Long-Acting Antianginal Agent with an Unusual Pharmacologic Profile. Dallas, Texas, March 24, 1984.
4. Technical Advances in Complex Angioplasty, Stanford University Medical Center, Stanford University, March 1984.
5. National Heart Blood & Lung Institute. Newer Concepts in the Management of the Coronary Patient: Defining and Managing Risk in Ischemic Heart Disease. NHLBI, Vancouver, Canada, June 1985.
6. American Heart Association Leadership Conference - Washington D. C., November 1985.
7. Emory Scientific Symposium on Mechanisms and Prevention of Restenosis after Percutaneous Coronary Angioplasty. Atlanta, GA June 6-7, 1986.

8. San Francisco Heart Institute - Tenth Anniversary Angioplasty. San Francisco, California, August 17-20, 1987.
9. Patient Care Magazine - Roundtable Discussion - The Management of Acute Myocardial Infarction. New York, N.Y. March 4, 1988.
10. Pfizer Central Research - "Atherosclerosis and Myocardial Injury - Review of Current Knowledge for the Development of Future Therapeutics". Groton, Conn. September 15-16, 1988.
11. American College of Cardiology - 21st Bethesda Conference on Cardiovascular Manpower. Bethesda, Maryland. November 1993.
12. Federated Council for Internal Medicine. National Study of Internal Medicine Manpower. Symposium "Data for Reform Physician Workforce: Number in Internal Medicine and Subspecialties". Washington, D. C. January 21, 1994.
13. American College of Cardiology - 1994 ACC Spring Legislative Conference . Washington, D. C. - April 28 - 29, 1994.
14. American College of Cardiology. Core Cardiology Training Symposium (COCATS). Bethesda, Md., June 27-28, 1994.
15. Federated Council for Internal Medicine Subspecialty Task Force Representative to FCIM for ACC. May, July and October 1994.
16. American College of Cardiology- Cardiovascular Specialists and Health System Report. Washington D. C. September 22, 1994.
17. Association of Professors of Medicine. Fall Symposium "How Academic Internal Medicine Can Succeed in a Capitated Environment". Association of Professors of Medicine, Leesburg, Virginia. November 18-19, 1994.
18. American College of Cardiology- Changing Cardiology Workforce: Adapting While Maintaining Excellence in Cardiology Service. March 19, 1995.
19. Health Resources and Services Administration (HRSA) of the U. S. Department of Health and Human Services Conference - "Estimating Medical Specialty Supply and Requirements in a Changing Health Care Environment: The Technical Challenge" Washington, D.C., March 27-28, 1995.
20. Improving Clinical Outcome in the High Risk PTCA Patient. Preceptorship Program - Cleveland, Ohio. July 6, 1995.
21. Cardiology Geriatric Education Retreat. Discussion Leader: Atherosclerosis: Cellular Mechanisms and Strategies for Prevention. Banff, Alberta, Canada. August 11-16, 1996

22. Association of Professor of Medicine Fall Symposium Biomedical Research in Academic Departments of Internal Medicine: Challenges and Solutions. Leesburg, Virginia. September 7-8, 1996.
23. Cardiovascular Alliance Executive Forum- Sponsored by Medtronics. Emerging Approaches to Cardiac Patient Management - Harnessing Change-Transforming Care. Huntington Beach California - January 16-19, 1997.
24. Association of Subspecialty Professors Leadership Conference representing American College of Cardiology - Coconut Grove, Florida - January 31 - February 2, 1997.
25. Transcatheter Therapeutics Symposium - Washington D. C. - September 25, 1997.
26. 1998 Association of Subspecialty Professors Leadership Conference, Representing American Professors of Cardiology - January 30, 1998.
27. Nuclear Regulatory Commission Presentation (to Commissioner)- Representing American College of Cardiology on Intravascular Brachytherapy, June 4-5, 1998- Washington D. C.
28. MCV Foundation Retreat - Roundtable Discussion. August 27, 1998 Irvington, VA.
29. Association of Subspecialty Professors - Representing American Professors of Cardiology - September 11-12, 1998. Leesburg, Virginia.
30. Transcatheter Therapeutics (TCT) - Moderator, lecturer and expert session leader - October 7-11, 1998. Washington, D.C.
31. Nuclear Regulatory Commission. Presentation (to Commissions Recodification Meeting) - Representing American College of Cardiology on Intravascular Brachtherapy - October 23, 1998, Washington, D. C.
32. 1998 Bethesda Conference - The Future of Academic Cardiology- Invited Participant - October 26-27, 1998. Bethesda, Maryland.
33. 1999 Association of Subspecialty Professors Leadership Conference. Representing Association of Professor of Cardiology. Miami, Florida - February 5-6, 1999.
34. Virginia Chapter of the American College of Cardiology Annual Meeting. The Model Practice: Effective Use of Physician Extenders - Impact on cardiology manpower needs, patient care, practice economics and physicians quality of life. Charlottesville, VA, April 20, 1999.
35. American College of Surgeons, Virginia Surgical Society. Miminally Invasive

- Management of Peripheral Vascular Disease. Williamsburg, Virginia. May 2, 1999.
36. The Society for Cardiac Angiography and Interventions 22nd Annual Meeting - Moderator for Case Demonstrations. Monterey, CA. May 13, 1999.
 37. American College of Cardiology - Georgia Chapter - Case Presentations - Complications of Coronary Intervention Emphasizing Management Strategies and Preventive Measures Invited Moderator. Braselton, Georgia - August 15, 1999.
 38. Transcatheter Cardiovascular Therapeutics Eleventh Annual Symposium. New Device Angioplasty: Part I Beyond Balloon Angioplasty: Patient and Lesion Specific Considerations for New Device Selection. Washington, D.C. September 24, 1999.
 39. Society for Cardiac Angiography & Interventions 23rd Annual Scientific Sessions. Moderator - Extracardiac Interventions. Charleston, S.C. May 4, 2000.
 40. Transcatheter Cardiovascular Therapeutics Twelfth Annual Symposium. Percutaneous Coronary Interventions. Indications & Techniques. Indications and Outcomes of PCI in Chronic CAD. (Lecturer & Discussant). Washington, D.C. October 17, 2000.
 41. Transcatheter Cardiovascular Therapeutics Twelfth Annual Symposium. New Device Angioplasty: Part I. Beyond Balloon Angioplasty: Patient and Lesion Specific Considerations for New Device Selection (Lecturer & Discussant). Washington, D.C. October 18, 2000.
 42. Transcatheter Cardiovascular Therapeutics Twelfth Annual Symposium. Live Case Demonstrations: Coronary State-of-the-Art(Case Moderator). Washington, D.C. October 20, 2000.
 43. Transcatheter Cardiovascular Therapeutics Twelfth Annual Symposium. Breakout Sessions- The High Risk Patient and High Risk Lesion. (Moderator). Washington, D. C. October 20, 2000.
 44. Intracoronary Brachytherapy to Prevent Restenosis. Washington D.C. – July 23, 2001.
 45. St. Anthony’s Hospital – Innovations in Cardiovascular Care –KEYNOTE SPEAKER – “Updates in Interventional Cardiology” – Oklahoma City, OK – February 15, 2002.
 46. Meet the Experts – “Renovascular Hypertension: Medication, Stenting or Surgery”- Thailand – April 23, 2002.
 47. Symposium – “Management of Acute Coronary Syndrome: Time is Life” – Thailand – April 23, 2002.
 48. VICC CEC Review Meeting - Chicago, Illinois, May 10, 2002.

49. Society for Cardiac Angiography & Interventions. Main Session, Panelist, Decision in Action-Challenging Cases: Case Studies/Case Reviews, Seattle, WA - May 16, 2002.
50. International Academy of Cardiology - "Applications of Coronary Intervention and the Management of Ischemic Left Ventricular Dysfunction (Invited Lecture) - Washington, D.C. - July 14-15, 2002. **Co-Chair of Session.
51. Round Table "The Role of GP IIb/IIIa inhibitors in the Era of Drug-Eluting Stents and Brachytherapy" – Chicago, Ill. August 2-3, 2002.
52. Invited Participant - JACC Editorial Meeting - Carlsbad, CA, June 21-23, 2002.
53. ACCEL Interview: "Severe Left Ventricular Dysfunction" - March 30, 2003.
54. TCT Invited Participant - Chair, plan and organize the Concurrent Session entitled "Challenging Coronary Anatomy: State of the art Approaches - Washington, D.C. - September 17, 2003.
55. Invited Participant - Post-Market Evaluation of Breakthrough Technology Summit on Issues & Approaches (Case Study on DES Thrombosis & Allergy. "Clinician View" - Bethesda, MD. February 18-19, 2004.
56. Thirteenth Annual Cardiovascular Conference - Thought Leaders Summit VII. "Multivessel High Risk Anatomy Revascularization for Elective PCI". Scottsdale AR. February 29, 2004
57. **Program Chairman** & Invited Participant - Contrast Media & Cardiac Intervention: Cause for Concern? An SCA&I Satellite Symposium. San Diego, CA. April 29, 2004
 - ♦ "Acute Vessel Closure After Percutaneous Coronary Intervention"
 - ♦ "Delayed Reactions to Contrast Media"
58. 2004 Report Card on Interventional Coronary Management – Opinion Leader Roundtable. “Are the Use of GP IIb/IIIa Inhibitors More or Less Relevant with Drug Eluting Stents Application?” Chicago, June 11, 2004
59. TCT Invited Program Chair & Participant - A TCT Satellite Symposium Angiographic Contrast Media: Myth Versus Reality. "The VICC Study: Weighing the Evidence." Washington, D.C. - September 27, 2004.
60. ACCEL Interview "All Roads Lead to the Cath Lab: Feasible in the United States" - November 8, 2004. March 30, 2005.
61. 11th Annual Meeting of the US Chapter of the Vascular Biology Working Group. Topic for discussion- “Coronary Imaging and Plaque Assessment with MR and Mechanisms of Risk Reduction Involving Inflammatory Mediators”. Orlando, FL, March 4, 2005.

62. TCT 2005 – October 16-21, 2005
 - ♦ Co-Moderator Live Case Session 5: Coronary Cases
 - ♦ Presentations:
 - Diagnosis & Management of Femoral Access Site Complications: Bleeding and Hematomas (Superficial & Retroperitoneal)
 - Current MAI Applications & Capabilities
 - Percutaneous Intervention Techniques: The Basics
63. Panelist- Best of the Worst: Award Winning Complications.” American College of Cardiology Annual Meeting, Atlanta, GA, March 14, 2006
64. Oral Contribution- "African Americans with Chronic Angina: Risk Factors and Treatment Profiles Compared to Caucasians". American College of Cardiology Annual Meeting, Atlanta, GA, March 14, 2006.
65. ACCEL Interview- "The No Flow Phenomenon." March 2006. (ACC Continuing Education)
66. China Interventional Therapeutics (CIT): Beijing, China- April 8, 2006.
 - Live Case Transmission from Fuai Hospital
 - Lecturer- Magnetic Guidance: Application to Coronary Intervention
67. TCT 2006: Washington, D. C. October 25-27, 2006
 - ♦ Case Presenter- Drug Eluting Stents: Complex Cases Emphasizing Advanced Techniques and Procedural Strategy III
 - ♦ Lecturer- Percutaneous Coronary Intervention: Self Assessment Board Review Course In Interventional Cardiology and Endovascular Therapy; Interventional Cardiology Devices and Outcomes, Part 1.
 - ♦ Moderator- Casual Friday Interactive Operator Tutorial- Coronary Intervention III. My Best Cases of the last year what went right)
68. Ask the Experts: "PCI in Complex Lesions". American Heart Association Sessions: Chicago, IL - November 13, 2006.
69. VCU Alumni Update, Cardiology Update: Richmond, VA. April 27, 2007
70. Society for Catheterization and Interventions 30th Annual Scientific Sessions: Three presentations; DES: Defining and Implementing Optimal Care. Orlando, FL- May 9, 2007.
71. University of Florida. "Myocardial Ischemia Redefined: Optimal Care in CAD.” Dallas. TX. July 19-20, 2007.
72. The American Journal of Cardiology Editor's Roundtable- Drug Eluting Stents. Baylor University Medical Center. Dallas TX, September 6, 2007.

73. 7th International Congress in Coronary Artery Disease-
 ♦ Session Moderator & Chair-" Acute Coronary Syndromes, Acute Myocardial Infarction". Venice, Italy. October 9, 2007.
 ♦ Presentation "Drug Eluting Stents in Clinical Practice: Unresolved Issues". Venice, Italy. October 10, 2007.
74. TCT 2007. Moderator- "Case Presentation: Live Case Session VII: Unusual Cases." Washington D.C., October 24, 2007.
75. ABIM - Subspecialty Board on Cardiovascular Disease. Philadelphia PA. January 5-8, 2008
76. The 2nd Joint Meeting between APSAVD and the 6th Annual Scientific Meeting of Thai Atherosclerosis Society.
 ♦ Moderator - "Stem Cell Therapy in Atherosclerosis"
 ♦ Presenter - "Cardiovascular Repair by Stem Cells"
 Kanchanaburi, Thailand. January 27, 2008.
77. CRT Workshop with FDA-
 ♦ "Are Drug Eluting Stents Safe? A Cardiac Analysis of the Data".
 ♦ "DES & DAP Therapy: Will We Ever Know the Answer? Academic Views - Devices", Panelist
 ♦ Real World Practice: How to Expand DES Indications? Panelist
 Washington D.C. February 12-13, 2008
78. Ranexa Content Development Summit. New York, NY. May 30-June 1, 2008
79. Invited - TCT 2008 Washington DC, October 12-15, 2008
 ♦ Lecture & Q & A- "Recognizing and Managing the Most Common Interventional Complications"
 ♦ Moderator - Case Presentations: "The Patient Requiring Non-Cardiac Surgery"
 ♦ Moderator - Roundtable Discussion with Audience Q&A
 ♦ Lecture "The post PCI Patient with Chronic Ischemia"
 ♦ Discussant - Case presentations and Q&A
80. International Andreas Gruentzig Society.
 Scientific Sessions:
 ♦ Session 2 - Panelist - "Drug Eluting Stent Management Dilemmas"
 ♦ Session 5 - Moderator "Structural Heart Disease"
 ♦ Session 9 - Panelist "ST Elevation Myocardial Infarction"
 ♦ Session 10- Speaker "Is It Really Needed?"
 South Africa. January 24-31, 2009.

81. CRT: 2009 - Arguing for Routine Upstream GP IIb/IIa Inhibitors in ACS and NSTEMI: How Early Should We Give Them? Washington DC. March 4, 2009.
- 82 ACC: AMI. Session Moderator. Orlando, FL. March 30, 2009**
83. SCA&I – 32nd Annual Scientific Sessions. “PCI vs Medicine vs. CABG. Session Moderator. Las Vegas, CO. May 8, 2009
84. TCT 2009: San Francisco, CA. September 21 – 25, 2009.
- ◆ Primer of Coronary Angiography and Hemodynamics. Moderator of Session
 - ◆ “Guiding (and Diagnostic) Catheters: Shapes, Sizes, Construction and Selection.” Presentation.
 - ◆ Recognizing and Managing the Most Common Interventional Complications” Case Reviews
 - ◆ How to Optimize DES Outcomes with IVUS. Multivessel Disease (IVUS Guidance) Live Case Discussion
 - ◆ This House Believes: COURAGE and BARI 2D Have Been Misinterpreted and Misrepresented. Most Patients with Stable CAD will Benefit from Revascularization. Panel Discussion
 - ◆ Specific PCI Issues: Critical Examination of the Guidelines and Appropriateness Criteria. Discussion with Audience Q&A.
 - ◆ Manual Compression vs Vascular Closure Devices. Vascular Closure Devices are Synonymous with Cost and Complications: Close No One. Debate. Discussion with Audience & Q&A.
85. 8th International Congress on Coronary Artery Disease Prague, Czech Republic. October 11-14, 2009.
- ◆ Member of Organizing Committee.
 - ◆ “Life-long Anti-Platelet Therapy is Necessary to Stent Thrombosis After DES”. Debate
 - ◆ Acute Coronary Syndromes, Acute Myocardial Infarction. Session Moderator
 - ◆ “Interventional Management Strategies in Patients with Impaired Left Ventricular Function Presentation.
86. The 4th Annual Meeting of the West Virginia Chapter of the American College of Cardiology. Charleston, WVA. November 21, 2009.
- ◆ “Anti-Thrombotic Therapy and Anti-Platelet Therapy: A Look at Enoxaparin Usage, Clopidogrel Resistance, Guidelines on Drug Eluting Stents and Surgery. Presenter
 - ◆ Abstract Grader
87. SCA&I: Fourth Annual Interventional Cardiology Fellows Course. Las Vegas, NV. December 8-9, 2009.

- ◆ Panelist: “Recorded Case:; Complex PCI”
Simulated Case Demonstration: Acute Myocardial Infarction”
Simulated Case Demonstration: Rotoblator”
 - ◆ Simulation Training: Interventional Procedure.
 - ◆ Workshop “Clinical Case Presentations
88. CRT: 2010 – Innovative Valvular Therapies for the Surgeon. Washington DC. February 21, 2010
- ◆ Program for Cardiothoracic Surgeons Getting Started in Endovascular Techiques: Moderator
 - ◆ Step by Step PCI Procedures. Presenter
89. CRT 2010 –ACS & AMI Management. Antiplatelet Controversy Critical Review of the Clinical Trials ACS and NSTEMI: GPIIb/IIIa Inhibitors and PCI for Whom and for How Long? How Early Should be Give Them: Presenter. Washington, D. February 21, 2010
90. C3 Complex Cardiovascular Catheter Therapeutics. Live Cases. Baltimore, MD. June 20-24, 2010
- ◆ High Risk Patients (Diabetes and Renal Failure. Moderator
Live Case Transmission – Panel Member
 - ◆ Cardiogenic Shock & PCI Symposium Hypothermia: Can It Improved Survival in Cardiogenic Shock/Cardiac Arrest? Presentation.
 - ◆ New ES Platforms: Platforms on Horizon: Rapid Fire on Future Platforms. Just Hype or Fact. Presentation
91. Interventional Academy of Cardiology 15th World Congress on Heart Disease. Annual Scientific Sessions. Interventional Cardiology – Co Chairman. Vancouver, BC. July 24-27, 2010
92. CRT 2010 Emerging Technologies. Moderator. Robotic Cath Lab Update: The Corindus System. Presenter
Washington, D. September 23, 2010.
93. Scottsdale Interventional Forum 2011 – February 17-18, 2011
- ◆ “Percutaneous Coronary Interventions in Evolution: A Novel ◆ “Critical decision Making: Treating Patients with Significant Co-Morbidities (Aspirin Allergy, H.I.T., Recent Bleeding, Dialysis Dependence, etc.)”.
 - ◆ “Approach Utilizing a Robotic Interventional System”.
94. CRT 2011: Impact Your Practice February 27 – March 1, 2011
- ◆ ACS & AMI Management – “ACS and NSTEMI GPII/IIa Inhibitors and PCI foir Who, How Long and How Early Should We Give Them? Presenter
 - ◆ Cardiovascular Intervention – “Robotic Cath Lab Update: The Coindus System.” Presenter
 - ◆ Cardiovascular Innovations – Panel Discussion: How Will New Invasive Imaging Assist in Complex Interventions? What

Will be Changed in the Cath Lab of the Future. Panelist:

95. C3 Complex Cardiovascular Catheter Therapeutics. Orlando, FL. June 26-30,2011.
 - ◆ Advances in Management of Oral Antiplatelet Therapy: Platelet Function Testing. Part I: “Antiplatelet Therapy Resistance. Is It Clinically Relevant?” Presentation.
 - ◆ Antiplatelet Therapy: Changing Landscape – “Evaluating Evidence Across Trials in Selected Patient Subsets. Are Some Agents Better Than Others?” Presentation
 - ◆ Impella Hemodynamic Support During PCI: “How Do We Define High Risk PCI? Complex Anatomy vs LV Dysfunction or Comorbidities”
“Evolving Indications and Future Horizons for Impella LV Assist Device”
96. TCT Annual Meeting . San Francisco, CA
 - ◆ “Coronary Angiography From the Interventional Cardiologist’s Perspective”. November 7, 2011.
 - ◆ “The Emerging Field of Percutaneous Circulatory Support: How It May Change Our Practice”. November 10, 2011.
97. Annual American Heart Association Meeting. Radiation Dose Reduction in Practice: Patient Safety and Imaging Considerations. “Catheter Angiography Dose Reduction Strategies” Orlando, FL. November 14, 2011
98. International Andreas Gruentzig Society Annual Conference. Guanacaste, Costa Rica. January 29-February 2, 2012
 - ◆ “Optimal Duration of Dual Antiplatelet Therapy: Will On-going Studies/DAPT Tell Us?”. Panelists.
 - ◆ “Should We Expand Use of Left Ventricular Support in AMI and High Risk Patients. Panelist.
 - ◆ “How Should Recent DES Recipients Needing Surgery Be Managed?” Moderator.
99. CRT 2012. Washington DC. February 4-7, 2012
 - ◆ Acute MI Management - ACS & AMI Management. Moderator.
 - ◆ “Conflict of Interest Issues: Balancing Industry Involvement”. Presentation
 - ◆ Discussion: “Clinical Trial Organization” Panelist
 - ◆ Live Case Demonstration from Washington Hospital Center, Washington, DC. Panelist.
100. C3 Complex Cardiovascular Catheter Therapeutics. Orlando, FL. June 19-23, 2012
 - ◆ Advances in Oral Anti-Platelet Therapy in ACS: Moderator.
“Highlights of TRITON TIMI 38 Trial: What May Be the Advantage of Prasugrel Over Clopidogrel?” Presentation

“Comparing Evidence Across Trials to Determine the Best Agent in Selected Subsets – Perioperative Patient and DAPT” Presentation
 ♦ Hemodynamics Session: Management of Complex Patients. Moderator
 “Percutaneous Cardiac Support I Complex PCI: Defining the Complex Patient (Clinical Triggers; Available Data in Hemodynamic Support Devices”. Presentation.
 ♦ Cardiogenic Shock and Intraaortic Balloon Pump (IABP)
 “Early Revascularization in Cardiogenic Shock: PCI of Culprit Only, Staged PCI, or CABG in Multivessel Disease?” Presentation
 “Should manual Aspiration Be Used in Every STEMI PCI?” Presentation
 “Intracoronary Glycoprotein IIb/IIIa Platelet Inhibitors: Revival for Old Drugs. Presentation.

PRESENTATIONS - INVITED: (Selected)

1. Newer Aspects of Coronary Artery Disease - Presented at American Medical Association Regional Continuing Medical Education Meeting, Williamsburg, Virginia, 1977, 1978.
2. Coronary Thrombus in Prolonged Myocardial Ischemia at Symposium on Intracoronary Thrombolysis in Acute Myocardial Infarction sponsored by University of California, Davis in San Francisco, California, March 1981.
3. Thrombolytic Agents in Management of Acute Myocardial Infarction. New Approaches in Cardiac Therapy presented by Richland Memorial Hospital and The University of South Carolina School of Medicine, Columbia, South Carolina, March 19, 1982.
4. Therapeutic Angiography, Intracoronary Thrombolysis and Transluminal Angioplasty and Medical versus Surgical Management of Coronary Artery Disease: The Relevance of Coronary Anatomy in Decision Making. 21st Annual Medical Symposium "Atherosclerosis", sponsored by Bristol Hospital, Bristol, Tennessee, April 2, 1982.
5. Preinfarction Syndromes: Indications for Coronary Thrombolysis at Symposium on Streptokinase Thrombolysis in Acute Myocardial Infarction. American College of Cardiology Meeting, Atlanta, Georgia, April 29, 1982.
6. Selective Thrombolytic Therapy - Invited Speaker at the Society for Cardiac Angiography Meeting in San Francisco, California. May 13, 1982.
7. Cardiology for the Primary Care Physician - (1) Management of Acute Myocardial Infarction, Including Streptokinase in the Community Hospital. (2) Management of Congestive Heart Failure, Current Concepts. Lovelace Medical Medical Center, Albuquerque, New Mexico. January 20-21, 1984.
8. Regional Wall Motion Studies: Combination of Nifedipine and Propranolol in the Catheterization Laboratory- Pfizer Investigation Symposium, Tucson, Arizona, October 20-21, 1984.

9. Invited Lecturer/Medical Exchange Tour. London 1983.
10. Invited Lecturer/Medical Exchange Tour, China 1985.
11. "Total Ischemic Burden - From Theory to Therapy", Pfizer Investigational Symposium, New York, New York, September 1985.
12. "Angioplasty 1986" - Symposium on Coronary Artery Disease, Suburban Hospital, Bethesda, Maryland January 24, 1986.
13. Total Ischemic Burden - Experimental and Clinical Aspects of Myocardial Ischemia, "The Role of Nifedipine in Patients with Chronic Stable Angina: Usefulness in Patients with Side Effects Due to Beta Blockers". Pfizer Symposium-American College of Cardiology, Atlanta, GA, March 1986.
14. American Society of Extra-Corporeal Technology: 24th International Conference Program. "Enzyme Therapy: Streptokinase vs Tissue Type Plasminogen Activator". Reno, Nevada, April 1986.
15. "Total Ischemic Burden - Experimental and Clinical Aspects of Myocardial Ischemia, The Role of Nifedipine in Patients with Chronic Unstable Angina: Usefulness in Patients with Side Effects Due to Beta Blockers". Pfizer Symposium-American College of Physicians, San Francisco, California, April 1986.
16. 1986 National Osteopathic Health Conference. "Change Brings Opportunity to Osteopathic Medicine." St. Louis, Missouri, April 1986.
17. The Fifteenth Annual Meeting of the American College of Clinical Pharmacology; "New Calcium Channel Blockers". Philadelphia PA. October 16-17, 1986.
18. Society for Cardiac Angiography "Cardiac Transplant - Role of Invasive Cardiologist and Angiographer. San Diego, California, May 13-16, 1986.
19. Practical Internal Medicine Selected Topics "Coronary Artery Disease 1986: Implications of PTCA for Medical Management." Virginia Beach, Va, July 11-13, 1986.
20. Medical Grand Round, Lennox Hill Hospital, "Total Ischemic Burden: Effect of Ischemia on Left Ventricular Function", New York, NY, February 13, 1987.
21. Cardiovascular Grand Rounds - Rush Presbyterian-St. Luke's Medical Center, "Angioplasty" - Chicago, Illinois, March 24, 1987.
22. Seminar in Cardiovascular Physiology - Tufts University School of Medicine, Boston, Massachusetts - Invited Speaker - "Effects of Ischemia on Left Ventricular Function", May 12, 1987.
23. Visiting Professor at University of Missouri - Professor Rounds in Cardiology; Medical

- Grand Rounds "Effects of Ischemia on LV Function: Therapeutic and Prognostic Implications". July 9, 1987
24. Medical Grand Rounds at University of St. Louis - "Left Ventricular Function in Coronary Artery Disease: Management Implications". July 10, 1987.
 25. Cardiology Grand Rounds at Geisinger Medical Center - "Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications." & Medical Grand Rounds - "Decision Making in the Management of Coronary Artery Disease: Diagnostic and Therapeutic Choices.", August 28, 1987
 26. American Heart Association, Leadership Development Conference: Invited Speaker "Leveraging Research Dollars. New Orleans, LA, September 1987.
 27. Symposium - "The Stunned Myocardium - Invited speaker. New York, N.Y December 5, 1987
 28. Medical Grand Rounds at University of Pittsburg- "Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications" & Cardiology Rounds "Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications." Pittsburgh, PA. February 3, 1988
 29. American College of Physicians; Meet the Professor: March 3-4, 1988
 - ♦ The Role of Coronary Angioplasty in the Management of Angina Pectoris
 - ♦ Thrombolysis for Acute Myocardial Infarction: Clinical Efficacy
 - ♦ Thrombolysis for Acute Myocardial Infarction: Clinical Efficacy
 30. Williamsburg Community Hospital Medicine Department: Activase-Streptokinase Therapy. Williamsburg, VA - March 23, 1988.
 31. Walter Reed Memorial Hospital: Thrombolytic Therapy in Acute Myocardial Infarction. Gloucester, Virginia, March 23, 1988.
 32. 35th Annual Clinical Conference -Symposium on Acute Myocardial Infarction: Drugs, Balloons or Surgery "Invasive Cardiology" - Louise Obici Hospital, Suffolk, Virginia, April 6, 1988.
 33. Symposium - Cardiology Update IV 1988. Corpus Christi, Texas. April 23, 1988
 - ♦ New Horizons in Percutaneous Transluminal Coronary Angioplasty
 - ♦ Interventional Therapy in Acute Myocardial Infarction
 34. East Carolina University Family Medicine Grand Rounds: New Horizons in Coronary

- Angioplasty: Expanding Role for PTCA in the Management of Ischemic Heart Disease. Greenville, North Carolina- May 4, 1988.
35. University of Tennessee Medical Grand Rounds "Decision Making in the Management of Coronary Artery Disease: Diagnostic and Therapeutic Choices". Knoxville, TN- May 6, 1988.
 36. New York Medical College, Symposium: Clinical Implications of Silent Myocardial Ischemia. Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications. Valhalla, NY- May 11, 1988.
 37. Tidewater Memorial Hospital: Thrombolytic Therapy in Acute Myocardial Infarction. Tappahannock, Virginia, May 24, 1988.
 38. 7th European Congress on Diseases of the Chest: PTCA in the Later Phase of Myocardial Infarction. Dublin, Ireland- July 14, 1988.
 39. The 12th Annual Summer Retreat "Practical Issues in Primary Care "Pathophysiology of Hypercholesterolemia." Virginia Beach, Virginia- April 11-14, 1988.
 40. Cardiovascular Symposium - Selected Topics on Ischemic Heart Disease and Hypertension. Sponsored by Pfizer "Medical versus Surgical Therapy in Coronary Artery Disease. San Juan, Puerto Rico, September 11, 1988, 1989.
 41. Visiting Professor Lectures - Alleghany General Hospital, Pittsburg, Pa., September 22, 1988.
 - ♦ Fellows Conference "Decision Making in the Management of Coronary Artery Disease: Diagnostic and Therapeutic Choices."
 - ♦ Cardiology Grand Rounds "Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications"
 42. Visiting Professor in Cardiology - Hahnemann University, Philadelphia, PA - October 13, 1988
 - ♦ CCU Rounds & Case Presentations.
 - ♦ Cardiology Grand Rounds "Present Status of Coronary Angioplasty"
 43. Visiting Professor - Medical College of Wisconsin, Milwaukee, Wisconsin, October 18-19, 1988.
 - ♦ Cardiology Rounds "Coronary Angioplasty 1988."
 - ♦ Medical Grand Rounds "Ischemic Effects on Left Ventricular Function"
 - ♦ Case Presentations
 44. 61st Scientific Sessions of the American Heart Association Symposium Pathophysiology Suggests Therapeutic Options in Cardiovascular Disease: "Recent Developments in the Treatment of Angina.", Washington, D.C., November 12, 1988.

45. Northwestern University - Chicago Illinois. December 7, 1988.
 - ♦ Cardiology Grand Rounds - Coronary Angioplasty in Acute Ischemic Syndrome"
46. Loyola University Medical Center, Chicago, Illinois: December 7-8, 1988
 - ♦ Cardiology Grand Rounds: Effects of Ischemia on Left Ventricular Function.
 - ♦ Interventional Conference: Complex Coronary Angioplasty
47. University of Connecticut - Farmington, Conn - January 25, 1989.
 - ♦ Medical Grand Rounds Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications
 - ♦ Cardiology Grand Rounds: New Horizons in Coronary Angioplasty: Expanding Role for PTCA in the Management of Ischemic Heart Disease
48. American Geriatric Society, Symposium Moderator and Invited Speaker: Special Considerations in the Treatment of Cardiovascular Disease in the Elderly. Angina Patients: A New Therapeutic Option. Boston, Massachusetts, May 11, 1989.
49. Grand Rounds at the University of North Carolina- "Impact of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications. Chapel Hill, North Carolina- April 3, 1989.
50. American College of Physicians - Meet the Professor - San Francisco, California, April 13-14, 1989
 - ♦ Angioplasty in the Management of Angina Pectoris
 - ♦ Thrombolysis for Acute Myocardial Infarction: Clinical Efficacy
51. American College of Physician, Virginia Chapter; Update Progress in Internal Medicine: The Aggressive Approach to Acute Myocardial Infarction. Richmond, Virginia- April 15, 1989.
52. American Academy of Family Practice, Symposium: Meeting Today's Challenge of Treating Acute Myocardial Infarction. Los Angeles, CA- September 19, 1989.
53. Symposium - American Society of Hospital Pharmacists: The Impact of Calcium Channel Blockers in the 1990s: What it Means to the Hospital Pharmacist " Efficacy of Calcium Channel Blockers in the Management of Angina Pectoris", Atlanta, Georgia, December 4, 1989.
54. Mount Auburn Hospital, Cardiology Grand Rounds: Left Ventricular Function in Ischemia: Therapeutic and Diagnostic Implications. Cambridge Massachusetts,

December 6, 1989.

55. Symposium - American College of Cardiology - Advances in Diagnostic & Therapeutic Cardiac Catheterization - "Multivessel Dilatation Early After AMI", Orlando, Florida, February 16-18, 1990.
56. American College of Cardiology: Controversy in the Cath Lab: The Role of the Cardiologist in Peripheral and Renal Angioplasty. Orlando, Florida, February 18, 1990
57. American College of Physicians - Meet the Professor: Acute Myocardial Infarction. Chicago, Ill - April 27& 28 1990.
58. American College of Cardiology: Cardiovascular Conference at Lake Tahoe, Lake Tahoe, Nevada, June 7, 1990
 - ♦ "The Recognition and Management of Thrombus in Acute Ischemic Syndromes"
 - ♦ The Newer Information about Anti-Ischemic Drugs in Stable Ischemic Syndromes
59. West Roxbury VA, Grand Rounds: Effects of Ischemia on Left Ventricular Function: Prognostic and Therapeutic Implications. West Roxbury, MASS- July 28, 1990.
60. MCV Continuing Education Department: Virginia Beach, Virginia. August 11, 1990
 - ♦ Management of Unstable Angina
 - ♦ "Thrombolytic Therapy for Acute Myocardial Infarction: Impact of Recent Trials on Post Thrombolytic Management"
61. Walter Reed Hospital, Visiting Professor for Department of Medicine/Cardiology: Washington D.C. - August 23-24, 1990.
 - ♦ "Non surgical Management of Peripheral Vascular Disease: Drugs, Exercise, Angioplasty, and Laser."
 - ♦ "Decision Making in the Management of Coronary Artery Disease"
 - ♦ "Post Thrombolytic Management in Acute Myocardial Infarction" Medical Grand Rounds
62. Cardiology Grand Round: University of Colorado: New Techniques in Non-Surgical Coronary Revascularization; Lasers, Shavers, Stents. Denver, Colorado, September 27, 1990.
63. Jefferson Medical College, Cardiology Grand Rounds: Can Restenosis be Altered Following Coronary Angioplasty? Restenosis: Clinical Characteristics, Mechanisms and Recognition. Philadelphia, PA - October 3, 1990.

64. Forsyth County American Heart Association Fall Symposium: Current Topics in Cardiology: An Update; Stents, Lasers and Atherectomy Devices. Winston-Salem, N.C. -October 4, 1990.
65. Symposium: Seventh Annual Symposium - Cardiology for the Practitioner. Yosemite National Park, California. Sponsored by UCSF Davis Medical Center- October 16-17, 1990
 - ♦ "Role of Thrombus and Thrombolytic Therapy in Unstable Angina and Non-Q Wave MI"
 - ♦ Clinical Case Discussions "Newer Drugs, Devices & Surgical Procedures"
66. University of Iowa, Cardiac Catheterization Conference: Clinical Studies in Coronary Angioplasty. Iowa City, Iowa- October 22, 1990.
67. Stony Brook, Stony Brook, Medical Grand Rounds: New Horizons in Coronary Angioplasty: Expanding Role for PTCA in the Management of Ischemic Heart Disease. N. Y.- December 5, 1990.
68. University of Louisville, Louisville, Kentucky Grand Rounds: New Techniques in Non-Surgical Coronary Revascularization - Lasers, Shavers, Stents.", January 17, 1991
69. Bowman Gray, Winston-Salem, N. Carolina - Family Practice Grand Rounds "New Mechanisms in Myocardial Ischemia" January 31, 1991.
70. Washington Hospital Center. Washington D.C. - Cardiology Grand Rounds. "Newer Interventional Techniques", February 21, 1991.
71. Georgetown University Cardiac Cath Conference "Angioplasty in Multivessel Disease", February 21, 1991.
72. Symposium: Tidewater Cardiovascular Symposium. "Newer Nonsurgical Techniques and Devices for the Management of Cardiovascular Disease". Newport News, Virginia, March 27, 1991.
73. Baylor College of Medicine- Cardiology Grand Rounds "New Horizons in PTCA." Houston Texas, April 11-12, 1991.
74. Texas Heart Institute- Cardiology Grand Rounds; Research Conference
 - ♦ Cardiac Cath Lab Investigations
 - ♦ "Role of PTCA in Cardiac Disease"
75. American College of Physicians - "Meet the Professor" New Orleans Louisiana, April 13-14, 1991

- ♦ "Coronary Artery Disease: New Non-Surgical Techniques"
 - ♦ "Coronary Artery Disease: Medical versus Surgical Management"
76. XII Congress of the European Society of Cardiology, "Evaluation of the Acute Haemodynamic and Electrophysiological Effects of Intravenous Amlodipine Alone and in Combination with B-Blocker in Patients with Angina Pectoris. Amsterdam, August, 1991
 77. University of West Virginia, Charleston, West Virginia - Medical Grand Rounds "Decision Making in the Management of Coronary Artery Disease: Diagnostic and Therapeutic Choices". August 27, 1991.
 78. 9th Mediterranean Meeting in Cardiology. "When is Valvuloplasty the Treatment of Choice for Mitral Stenosis. Camponello Lido, September 7-13, 1991.
 79. Buffalo General Hospital, Buffalo, New York - Medical Grand Rounds, "No Insights in the Management of Myocardial Ischemia", September 19, 1991.
 80. American Academy of Family Physicians 43rd Annual Assembly - "Significance of Diastolic Dysfunction in Hypertensive Patients". Washington, D.C., September 26-29, 1991
 81. Rappahannock General Hospital, Kilmarnock, Virginia - Medical Grand Rounds, October 17, 1991 "Newer, Non-Balloon Coronary Devices - Lasers, Shavers, Stents".
 82. Symposium - Invited - Circadian Variations in Cardiovascular Disease: Therapeutic Implications: "Pathophysiology of Ischemia - A Chain of Interrelated Events". Calgary, Alberta, Canada, October 19, 1991.
 83. American College of Cardiology, California Chapter - San Francisco, California - October 26, 1991 "Indications for Balloon Angioplasty"
 84. Symposium - Invited - American Society of Hospital Pharmacists - 26th Annual Midyear Clinical Meeting - Advances in Calcium Channel Blockers: Impact on the Hospital Pharmacy. "Issues in the Medical Management of Angina Pectoris" New Orleans, LA, December 10, 1991.
 85. American College of Cardiology - Advances in Diagnostic and Therapeutic Cardiac Catheterization. February 14-16, 1992.
 - ♦ "The Proper Role for Balloon Angioplasty and Directional Atherectomy in the Patient with Previous Revascularization"
 - ♦ "Identification of Renal Arterial Stenosis and Renal Artery Angioplasty by the Cardiologist."
 - ♦ "How to Approach the Patient with Peripheral Vascular Disease"

86. SciMed Fellowship Training Program - "Interventional Management of Vein Grafts". Minneapolis, Minnesota, February 22, 1992.
87. Princeton Medical Center- Medical Grand Rounds "Silent Ischemia: Diagnosis and Treatment", Princeton, New Jersey, February 25, 1992.
88. Invited Participant - Contemporary Management of Unstable Angina, Beaver Run Resort, Colorado. March 20-21, 1992
 - ♦ "Antiplatelet, Anticoagulant, and Thrombolytic Therapy in Unstable Angina"
 - ♦ "Angioplasty in Unstable Patients with Reduced Left Ventricular Function."
89. American College of Cardiology - Meet the Experts - "PTCA in Patients with Left Ventricular Dysfunction. Dallas Texas, April 15, 1992.
90. Portsmouth Naval Hospital - Medical Rounds - "Issues in Coronary Artery Disease Management. Portsmouth, Virginia, May 8, 1992.
91. Symposium - Interamerican Congress of Cardiology - Invited Presentation. "Role of Atherosclerotic Plaque". Orlando Florida, May 24, 1992.
92. Symposium - Continuous Protection in Cardiovascular Disease - "Comparison on Calcium Antagonists in Coronary Artery Disease Patients; Hemodynamics and Electrophysiology". Toronto, Canada. May 28, 1992.
93. Internal Medicine Board Review Course - Invited Lecturer - "Ischemia Heart Disease". Washington DC. June 15-20, 1992.
94. American College of Cardiology - Heart House - Interventional Cardiology - "PTCA in Multivessel Disease" Case Presentations. Heart House, Bethesda, Maryland - June 15-17, 1992
95. Symposium to the 5th World Conference on Clinical Pharmacology and Therapeutics - Calcium Antagonists in Cardiovascular Diseases and their Chronobiological Implications - "The Efficacy of Calcium Antagonists in Myocardial Ischemia". Yokohama, Japan. July 27, 1992.
96. Symposium - Annual Meeting of Puerto Rico Heart Association San Juan, Puerto Rico, October 3, 1992
 - ♦ Interventional Cardiology: Recent Advances in Balloon Angioplasty
 - ♦ Newer non-Balloon Devices for Coronary and Peripheral Angioplasty. Lasers, Stents and Atherectomy.
97. Symposium - Bowman Gray School of Medicine. Techniques in Cardiovascular Risk

Reduction: A Symposium for Primary Care Physicians. "Indications for Balloon Angioplasty.", Winston-Salem, North Carolina. October 9-10, 1992.

98. Investigators Meeting Presentation - Amlodipine Study of the Angina Population - "The Importance of Left Ventricular Function in the Angina Patient" - New York, New York. December 5, 1992.
99. American College of Cardiology Conference on Heart Disease. Invited Presentation "Optimizing Outcomes in Coronary Artery Disease: Application of Current Interventional Techniques Based on the Pathophysiology of Stable and Unstable Angina Pectoris and Recent Myocardial Infarction". Williamsburg, Virginia. December 6, 1992.
100. Emory University - Cardiology Research Conference "Current Cath Research at MCV". Atlanta, Georgia. December 10, 1992.
101. Symposium - Contemporary Management of Unstable Coronary Syndromes - "Antiplatelet Therapy". Breckenridge, Colorado. January 22, 1993.
102. Long Island Jewish Hospital - "Unstable Angina: From Mechanisms to Management". New Hyde Park, New York. January 25, 1993.
103. The University of Iowa - Cardiology Visiting Professor. Cardiology Grand Rounds. "Lessons from Invasive Cardiology". Iowa City, Iowa. February 10, 1993.
104. East Carolina University - Cardiology Grand Rounds "MCV Cath Lab Research in Ischemia". Greenville, North Carolina. February 22, 1993.
105. University of Pennsylvania - Cardiology Rounds - "Decision Making in the Management of Myocardial Ischemia". Philadelphia. Pa. April 1, 1993.
106. Lahey Clinic - Cardiology Grand Rounds. "Effects of Ischemia on Left Ventricular Function: Diagnostic and Therapeutic Considerations. Boston, Mass. April 7, 1993.
107. West Roxbury VA Hospital - Cardiology Grand Rounds - "Effects of Ischemia on Left Ventricular Function: Diagnostic and Therapeutic Considerations. Boston, Mass. April 8, 1993.
108. Oschner Medical Foundation - Medicine Grand Rounds - "Decision Making in the Management of Coronary Artery Disease: Diagnostic and Therapeutic Choices. New Orleans, LA. April 14, 1993.
109. Peripheral Vascular Course. Sponsored by Oschner Clinic Foundation. "Renovascular Disease: Making the Diagnosis". New Orleans, LA, April 23-24, 1993.
110. American College of Cardiology - Heart House - Interventional Cardiology - "PTCA in Multivessel Disease.": Case Presentations. Heart House, Bethesda, Maryland - June -9,

1993.

111. Symposium - Twenty-First Annual Physician Assistant Conference, Miami, Florida. June 14, 1993
 - ♦ New Approach to the Management of Hypertension or Angina
 - ♦ "How Does Angina Complicate the Management of Hypertensive Patients"?
112. University of Kansas Medical Center. Medical Grand Rounds. "New Developments in Invasive Cardiology". Kansas City, Kansas. September 29, 1993.
113. East Carolina University School of Medicine-Grand Round; "Experimental and Clinical Aspects of Myocardial Ischemia", Greenville, North Carolina. October 6, 1993.
114. Hershey Medical Center - Cardiology Rounds; "Current Status of New Devices in Coronary Interventions.", Hershey, PA, October 21, 1993.
115. American College of Cardiology - Pennsylvania Chapter. "Health Care Reform-Impact on Training of CV Specialist," White Sulphur Springs, West Virginia. December 12, 1993.
116. AHA "State-of-the-Art Conference: Transplant Coronary Disease: Angiography and Interventions. December 10, 1993. Washington, D. C.
117. Creighton University - Medical Grand Rounds -"Decision Making in Coronary Artery Disease: Medical versus Surgery versus Angioplasty." Omaha, Nebraska. January 12, 1994.
118. University of Nebraska. Cardiology Rounds . "Role of New Interventional Devices in Coronary Artery Disease. Omaha, Nebraska. January 13, 1994.
119. University of Nebraska- Cardiology Research Conference; "Left Ventricular Dysfunction in Coronary Artery Disease: Diagnostic and Therapeutic Considerations. Omaha, Nebraska. January 13, 1994.
120. American College of Cardiology - Sixth Annual Advances in Diagnostic and Therapeutic Cardiac Catheterization: "Problems of Asymptomatic Restenosis". Buena Vista, Florida - February 13, 1994.
121. Loyola University Medical Center - State of the Heart Lecture. "Interventional Update". Maywood, Illinois. February 16, 1994.
122. University of Colorado- Cardiology Rounds: "Effects of Ischemia on Left Ventricular Function". Denver Colorado, February 23, 1994
123. Symposium - 20th Annual Symposium for Directors of Adult Cardiovascular Training

- Programs. "Health Care Reform: Impact on Training of CV Specialists. Atlanta, Georgia, March 13, 1994.
124. American College of Cardiology - "New Therapeutic Approaches to Restenosis after Coronary Angioplasty." Atlanta, Georgia, March 15, 1994. Invited Fireside Panelist.
 125. The Third Annual Peripheral Angioplasty and all that JAZZ Course. "Renal Artery Stenosis: Incidence and Diagnosis.", New Orleans, LA. April 20-23, 1995.
 126. Symposium on Managing Patients with Advanced Ischemic Left Ventricular Dysfunction. State University of NY at Buffalo and The Buffalo General Hospital. "New Devices and Future Management of High Risk CAD Patients. Buffalo, N. Y. May 7, 1994.
 127. Invited Presentation - North American Society of Pacing and Electrophysiology. "Manpower, the Cardiologists and Cardiac Electrophysiology. Nashville, Tennessee. May 12, 1994.
 128. Temple University- Cardiology Grand Rounds "Cath Lab Research". Philadelphia, PA. May 13, 1994
 129. University of Florida- Visiting Professor. Jacksonville, Florida. May 18, 1994
 - ♦ University Medical Center - Medical Grand Rounds "New Concepts in Unstable Angina"
 - ♦ University Hospital - Cardiology Grand Rounds "Workforce Issues in Cardiology"
 130. Invited Presentation - New Jersey Health Department. "Public Policy and Invasive Cardiology in New Jersey: Strategies for the 90's. "Optimal Management of Acute Myocardial Infarction and Angina: Invasive Strategies and Outcomes; National and International Perspectives." Princeton New Jersey, June 2, 1994
 131. New York Medical College- Cardiology Grand Rounds "Non-Surgical Management of Peripheral Vascular Disease: Drugs, Exercise, Angioplasty, and Laser." Valhalla, New York, September 27, 1994
 132. Mayo Clinic- Cardiology Rounds: "Impact of Health Care Reform on Cardiology Training and Practice.", Rochester, Minnesota, October 7, 1994
 133. Texas Heart Institute, Houston, Texas, October 21, 1994
 - ♦ Cardiology Basic Science Conference "Cardiology Effects of Changing Health Care"
 - ♦ Cardiology Rounds "Update on Intervention"
 134. Symposium - Ischemic Heart Disease: "Triggering of Cardiovascular Event: Acute Risk

- Factors.” Bangkok, November 30, 1994.
135. Northwestern University Medical Center - Visiting Professor - Cardiology Rounds, Chicago, Illinois, February 2-3, 1995
 136. University of North Carolina - Cardiology Rounds: "MCV Cath Lab Research 1995.", Chapel Hill, N.C. April 14, 1995.
 137. Cedar Sinai - Cardiology Rounds: "Diagnosis and Treatment of Peripheral Vascular Disease.", Los Angeles, CA
 138. Symposium - 8th Annual Cardiology Symposium - Acute Cardiac Care. "Acute Myocardial Infarction: Thrombolytics and Emergency PTCA. Columbus, Ohio. June 17, 1995.
 139. American College of Cardiology- 19th Annual Update: Cardiology for the Primary Physician; Charleston, S.C. June 2-3, 1995.
 - ♦ "Significant of Restenosis after Coronary Intervention; Cardiology Workforce"
 - ♦ Are There Too Many Cardiologists?
 140. University of Massachusetts Medical Center - Cardiology Rounds "Update: Interventional Cardiology.", Boston, MASS, August 8, 1995
 141. Association of Professors of Cardiology: Workforce & Fellowship Training Task Force "ACC Resources & Needs Assessment.", Bethesda, MD. August 30, 1995.
 142. American College of Cardiology, Missouri Chapter – Third Annual Chapter Conference. "Cardiovascular Workforce Issues". St. Louis, Missouri. September 16, 1995.
 143. American College of Cardiology- 19th Annual Update : Symposium - Cardiovascular Patient Management in the Era of Risk Management and Managed Care. "Management of Cardiovascular Disease in a Managed Care Environment: Drugs or Revascularization?". Ponte Vedra Beach, Florida. September 21-24, 1995.
 144. Philadelphia Heart Institute - Visiting Professor:Cardiology Rounds; "Advances in Interventional Cardiology.", Philadelphia PA,, October 11, 1995.
 145. University of Texas - Visiting Professor. Galveston, TX. January 17-18, 1996
 - ♦ Cardiac Cath Conference "New Devices for Coronary Intervention"
 - ♦ Cardiology Rounds- "Manpower Issues in Cardiology"
 - ♦ Cardiology Rounds- "Decision Making in Coronary Artery Disease in a Cost Containment Environment"
 146. Concepts and Controversies: Keynote Speaker- Presented by Mercy Hospital:

- Sacramento, CA, February 9-10, 1996
- ♦ Optimal Therapy of the Acute Myocardial Infarction
 - ♦ Interventional Devices and Adjunctive Therapy
147. Alleghany General Hospital, Visiting Professor - Cardiology Rounds: "Cardiovascular Workforce Issues in the Changing Health Care Environment: Potential Impact on Training and Practice." Pittsburgh, PA, February 15, 1996
148. Symposium - 28th Annual Scientific Meeting of the Heart Association of Thailand. Current and Future Trends in the Management of Ischemic Heart Disease- "Short and Long Acting Calcium Channel Blockers in Ischemic Heart Disease." Bangkok, Thailand. March 15, 1996.
- ♦ "PTCA in Acute Myocardial Infarction"
 - ♦ "Laser Angioplasty in Cardiovascular Disease"
 - ♦ "Thrombolytics in Ischemic Heart Disease"
149. St. Lukes-Roosevelt Hospital Center, Cardiology Conference: "Cost Reduction in Cardiovascular Cases: Methods, Effectiveness and Physician Responses." New York, New York, April 10, 1996.
150. Baylor University Medical Center, Cardiology Conference Update on Ischemic Heart Disease. Dallas, Texas. April 13, 1996
151. Symposium –Peripheral Angioplasty and All That Jazz. Renovascular Disease - Making the Decision New Orleans, LA. May 1-3, 1996.
152. AAPAs 24th Annual Physician Assistant Conference: Questions in Cardiovascular Disease Therapy. What is the Latest Information About Calcium Channel Blockers in the Treatment of Cardiovascular Disease. New York, New York. May 29, 1996.
153. University of Kentucky, Cardiology Grand Rounds: Cardiology Today: Manpower and Cost Issues. Lexington, Kentucky. June 5, 1996.
154. Texas Tech University, Medical Grand Rounds: Natural History and Management of Coronary Artery Disease Lubbock, Texas- September 5, 1996.
155. Rochester Cardiovascular Society - University of Rochester
- ♦ Cardiology Rounds - Cardiology Manpower Issues
September 11, 1996.
 - ♦ Cardiology Clinic Program Update on Interventional Cardiology -
September 12, 1996,
156. University Hospital of New Jersey, Medical Grand Rounds: Management of Angina in the Cost Containment Era. Newark, New Jersey. September 20, 1996.
157. Pennsylvania Chapter of ACC: Pittsburgh, PA, September 27& 28, 1996
- ♦ A National View of Physician Resources: How Many

Cardiologists Do We Need?

- ♦ Practical Applications of Evolving Interventional Therapies for Coronary Disease.
158. ACC CME Symposium- Cardiology for the Practitioner; Sponsored by University of California, Fresno. Yosemite, CA. October 14 & 15, 1996
 - ♦ Decision Making on the Use of Interventional Cardiology
 - ♦ Calcium Blockers. Is there an Issue?
 159. University of Arkansas - Cardiology Rounds: Decision-Making in Cardiovascular Management, Little Rock, Arkansas, October 21, 1996.
 160. University of Pittsburgh - Cardiology Rounds: Current Status of Coronary Intervention. Pittsburgh, PA - January 6, 1997
 161. Graduate Hospital - Cardiology Rounds: Left Ventricular Hypertrophy. Philadelphia, PA, January 27, 1997.
 162. Invited Participant - NASPE Task Force Meeting: Physician Workforce in Cardiac Electrophysiology and Pacing. Washington, D.C. January 6, 1996.
 163. Albert Einstein Medical Center - Cardiology Rounds: Current Issues in Angioplasty. Philadelphia, PA. January 28, 1996.
 164. American College of Cardiology - Ninth Annual Advances in Diagnostic and Therapeutic Cardiac Catheterization: Bypass Surgery vs Coronary Angioplasty: New Observations From Comparative Trials. Lake Buena Vista- Florida. February 22, 1997.
 165. Hershey Medical Center - Cardiology Rounds: Management of Cardiovascular Disease in the Managed Care Environment, Hershey, PA. February 24, 1997.
 166. American College of Cardiology - Virginia Chapter: Do the Benefits of Reopro Outweigh the Costs? Charlottesville, VA, April 11, 1997.
 167. Case Western - Cardiology Grand Rounds: Coronary Angioplasty 20 Years Later: Where Are We? Cleveland, Ohio, April 23, 1997.
 168. Cleveland Clinics - Nephrology Grand Rounds: Renal Concomitant Management of Renal & Cardiovascular Disease. Cleveland, Ohio. April 25, 1997.
 169. Symposium - From Hypertension of Heart Failure: Comprehensive Disease Management in Older Adults, Managing Coronary Artery Disease in the Elderly. American Society of Geriatrics; Atlanta, Georgia. May 10, 1997.
 170. Symposium - American Society of Hypertension: San Francisco, California. May 31, 1997.

- ♦ Calcium Antagonists in 1997: Emerging Perspectives and Future Directions.
 - ♦ Ischemic Heart Disease: Optimization of Therapy with Newer Vascular Selective Calcium Antagonists
171. Pathophysiological Perspectives in Ischemia. Greenbrier, White Sulphur Springs, West Virginia. June 17, 1997.
 172. The Virginia Academy of Family Practice - 47th Annual Scientific Assembly: Management of Cardiovascular Disease in a Managed Care Environment., Virginia Beach, VA - July 17, 1997.
 173. Medical College of Virginia of Virginia Commonwealth University Medical Grand Rounds: Coronary Intervention: After 20 Years, Where Are We?, Richmond, VA. September 4, 1997.
 174. Deborah Heart & Lung Center: Current Problems in Cardiology: Diagnostic and Therapeutic Challenges 1997 - Clinical Decision Making in Coronary Artery Disease., Browns Mill, New Jersey. October 4, 1997.
 175. University of Texas Cardiology Rounds: Update on Interventional Cardiology. Houston, Texas, October 23, 1997.
 176. Physicians of Virginia Commonwealth University: First Annual Quality Day - Improving Cardiology Outcomes. Richmond, Virginia, October 29, 1997.
 177. Symposium: From Hypertension to Heart Failure: Practical Approaches to Comprehensive Disease Management - A Rational Approach to Optimizing Angina Therapy. American Pharmacy Association, Atlanta, GA - December 8, 1997.
 178. West Virginia University Hospital- Cardiology Rounds: Role of IIB, IIIA Antagonists on Coronary Artery Disease Management. Morgantown, W.VA, January 9, 1998.
 179. The New World of Cardiology: Paradise Island, Bahamas, January 16-19, 1998.
 180. University of Medicine & Dentistry of New Jersey, Robert Wood Johnson Medical School- Cardiology Rounds: Coronary Interventions 20 Years Later: Current Status. New Brunswick, NJ, February 26, 1998.
 181. Deborah Heart & Lung: Cost Reduction in Cardiovascular Care: Methods, Effectiveness and Physician Responses. Browns Mills, N. J. February 26, 1998.
 182. Heartwarming News from the World of Cardiology - New Frontiers in Cardiology Research, Education and Care. Rappahannock, Virginia, July 21, 1998.
 183. Solaci 98 - South American International meeting: 2 presentations and Moderator. Montevideo, Uruguay, July 28 - August 1, 1998.

184. Kobe University - Cardiology Rounds: Cardiovascular Disease in the Elderly. Kobe, Japan, September 28, 1998.
185. Physicians of Virginia Commonwealth University: Annual Quality Day - The MCV Heart Center: An Example of Advantages of Academic Medical Care. Richmond, Virginia, October 15, 1998.
186. Session Presenter- Annual Scientific Sessions - American College of Cardiology: Coronary Interventions in Post & Transplant Patient. New Orleans, LA. March 9, 1999.
187. Meet the Expert - Annual Scientific Sessions - American College of Cardiology: Risk Management; Post Coronary Interventions. New Orleans, LA. March 9, 1999.
188. Coronary Angioplasty in Patients with Severe LV Dysfunction: Indications, Strategies and Results. Rome, Italy, March 26, 1999.
189. American College of Physicians/American Society of Internal Medicine Annual Session presentation: Multiple Small Feedings of the Mind (Part 4) - Contemporary Issues with the Cardiac Patient. New Orleans, LA - April 25, 1999.
190. American Academy of Physician Assistant meeting: Causes, Consequences and Clinical Management of Cardiovascular Disease. Washington, D. C. May 30, 1999.
191. University of Louisville; Cardiology Grand Rounds: Management of Angina and Concomitant Diseases. Louisville, Kentucky, June 9, 1999.
192. American College of Cardiology; Georgia Chapter Annual Scientific meeting: Management of Angina for the New Millennium Braselton, Georgia. August 14, 1999
193. Wake Med & University of North Carolina; Medicine Grand Rounds: Management of Angina for the Next Millennium. Raleigh, North Carolina, August 19, 1999
194. Albert Einstein Medical Center - Medical Grand Rounds: Decision Making in Angina Management versus Surgery versus Angioplasty. Philadelphia, PA - September 29, 1999.
195. St. Patricks Hospital: Angina Pectoris Management in the Next Millennium: From Anatomy to Physiology. Lake Charles, LA, October 7, 1999.
196. Association of University Cardiologists Thirty-ninth Annual Meeting: Coronary Angioplasty in Cardiac Transplant Patients: Results of a Multicenter Study. Carmel, California, January 15, 2000.
197. Second Congress of the Asian-Pacific Society of Atherosclerosis and Vascular Diseases: Symposium Co-Chairman Novel Aspects in Atherosclerosis. Thailand, February 1-2, 2000.

- ♦ Atherosclerotic Coronary Artery Disease in HIV Infected Patients.
 - ♦ Atherosclerosis in Heart Transplantation
 - ♦ Presentation: Brachytherapy
198. Marshall University Cardiology Rounds: New Perspectives on Atherosclerosis Applied to Angina Management. Charleston, West Virginia, February 10, 2000.
 199. Session Presenter; Annual Scientific Sessions - American College of Cardiology: Left Ventricular Dysfunction. Anaheim, CA. March 12, 2000.
 200. Session Presenter; Annual Scientific Sessions- American College of Cardiology: Tracoronary Radiation Part II. Anaheim, CA, March 13, 2000.
 201. VCACC 11th Annual Meeting: Separation Anxiety: How Groups Address Physicians' Slow-Down and Retirement. Charlottesville, VA, April 6-7. 2000.
 202. Symposium: Comprehensive Risk Factor Management in Cardiovascular Disease: Clinical Challenge and Treatment Goals. New Coronary Disease Guidelines: Practical Applications in Primary Care. Philadelphia, PA. April 13, 2000.
 203. American College of Physicians - American Society of Internal Medicine Scientific Program: Multiple Small Feedings of the Mind; Contemporary Issues with the Cardiac Patient. New Orleans, LA. April 2000.
 204. Internet Education - Invited Lecture: Multiple Small Feedings of the Mind; Contemporary Issues with the Cardiac Patient. New Orleans, LA. April 2000. (www.acponline.org/chapter/va/msfm). CME provided by University of Virginia.
 205. Society for Cardiac Angiography & Interventions- Judkins Cardiac Imaging Symposium: Fundamentals of Cardiovascular Radiography. Charleston, S. C. - May 3, 2000.
 206. Fourteen Annual Cardiology Update: Heart Disease in the Elderly Olean, NY, May 6, 2000.
 207. 4D Leadership Program - Panel Discussion/Workshop: Moving to the VCU Health System. May 19, 2000 & June 2, 2000.
 208. St. Francis Hospital Grand Rounds: Decision Making in the Management of Coronary Artery Disease. Memphis, TN July 19, 2000.
 209. ACC Board Review - Co-Chairman (Introduction & Presentations) August 18 & 19, 2000
 - ♦ Coronary Anatomy, Variants and Lesion Character Review of Board-Related Questions-CATHSAP
 - ♦ Decision Regarding Angioplasty vs Bypass Surgery vs Medical Review of Board-Related Questions-CATHSAP Review Session

210. St. Patrick Hospital Grand Rounds: Management of High Risk Coronary Artery Disease. Lake Charles, LA, September 7, 2000.
211. ACC Board Review - Co-Chairman (Introduction & Presentations): October 6-7, 2000
 - ♦ Coronary Anatomy, Variants and Lesion Characteristics Review of Board-Related Questions-CATHSAP
 - ♦ Decision Regarding Angioplasty vs Bypass Surgery vs Medical Review of Board-Related Questions-CATHSAP Review Session.
212. First Course of Advances in Cardiology IBERO American University: Cardiovascular Disease in the Elderly. San Jose, Costa Rica, February 1, 2001.
213. Washington Hospital Center, Medical Grand Rounds: Update on Atherosclerosis. Washington, D.C. February 13, 2001
214. Howard University Medical Grand Rounds: Current Perspectives & Coronary Artery Disease. Washington, D.C., February 14, 2001.
215. Georgetown University Medical Grand Rounds: Update on Silent Ischemia. Washington, D.C. February 14, 2001.
216. 4D Leadership Program - Panel Discussion/Workshop: Moving to the VCU Health System. February 20, 2001.
217. Oregon Health System University; Visiting Professor: Radiation for Restenosis. Portland, Oregon, March 8, 2001.
218. UMDJ Cardiology Rounds: Update on Atherosclerosis. New Brunswick, New Jersey – March 29, 2001.
219. ACC Board Review - Co-Chairman (Introduction & Presentations): October 19-20, 2001
 - Coronary Anatomy, Variants and Lesion Character Review of Board-Related Questions-CATHSAP
 - Decision Regarding Angioplasty vs Bypass Surgery vs Medical
 - Review of Board-Related Questions-CATHSAP Review Session.
220. Riverside Regional Medical Center: Acute MI in the Elderly” Newport News, Virginia – April 5, 2002
221. Symposium – National Kidney Foundation: The New View of Atherosclerosis Implications for Prevention and Management in Patients with or at Risk for Renal Disease. Orlando, Florida – April 18, 2001.
222. Winthrop University Hospital, Cardiology Rounds: Current Perspectives on the Use of Coronary Interventions in the Management of Coronary Artery Disease. Long Island, NY – May 9, 2001.

223. Symposium – Cardiovascular Disease Update: Focus on Risk Factors and Their Effective Management – Johns Hopkins University School of Medicine – Coronary Disease Update: Practical Approaches for Clinicians on the Front Line” – Anaheim, CA May 26, 2001.
224. Winchester Medical Center, Medical Grand Rounds: Decision Making in Angina Management: Medical vs Surgery vs Angioplasty. Winchester, Virginia – May 30, 2001.
225. 40th Leadership Program - Panel Discussion/Workshop: Moving to the VCU Health System. Richmond, VA, June 26, 2001.
226. University of Tennessee Medical Center: Diabetic Patients and Acute MI Patients in Percutaneous Coronary Interventions. Knoxville, Tennessee – August 22, 2001.
227. St. Patrick’s Hospital, Grand Rounds: Radiation Treatment for Stenosis. Lake Charles, LA – September 5, 2001.
228. Hershey Medical Center, Penn State Cardiovascular Center Grand Rounds: Invasive & Noninvasive Treatment of Unstable Angina. Hershey, PA, September 24, 2001.
229. Heart Matters: A Cardiothoracic Nursing Symposium: “The Good, the Bad and the Ugly: Tools of the Trade”. Richmond, VA – November 16, 2001.
230. Sibley Memorial Hospital, Grand Rounds: Clinical Perspectives in the Treatment of Heart Disease in the Elderly (DSO). Washington, D.C. February 1, 2002.
231. Chesapeake General Hospital, Grand Rounds: Cardiovascular Disease in the Elderly. Chesapeake, VA – February 8, 2001.
232. Lankenah Hospital, Cardiology Rounds: Optimizing Management Strategies for the High Risk Patient with ACS. Wynnwood, PA – February 20, 2002.
233. Symposium – Cardiovascular Disease update: Clinical Challenges and Strategies for Optimal Risk Factor Management; Practical Application of New Concepts and Treatment Guidelines in Patients with Coronary Disease. Ft. Lauderdale, Florida – February 23, 2002.
234. Eastern Virginia Medical School Symposium: Controversies in Cardiology: Management of Acute and Chronic Coronary Artery Disease – Interventional Management of Acute and Chronic Coronary Artery Disease. Norfolk, VA – March 2, 2002
235. University of Nebraska, Cardiology Rounds: Hypertension: Impotence in ASCVD. Omaha, Nebraska - June 4, 2002
236. Creighton Hospital, Cardiology Rounds: Hypertension: Impotence in ASCVD. Omaha,

Nebraska - June 4, 2003

237. ACC Board Review - Co-Chairman (Introduction & Presentations): October 16-17, 2002.
 - ♦ Coronary Anatomy, Variants and Lesion Character Review of Board-Related Questions-CATHSAP
 - ♦ Decision Regarding Angioplasty vs Bypass Surgery vs Medical Review of Board-Related Questions-CATHSAP Review Session
238. 14th Annual Cardiology Invitational- The Heart Center of Akron General Medical Center: "Nightmares in the Cath Lab. Akron, Ohio, August 22, 2002.
239. Southside Regional Hospital: Invasive Conservative vs. Invasive Management of Acute Coronary Syndromes. Petersburg, VA - August 30, 2002.
240. St. Luke's Episcopal Hospital, Cardiology Grand Rounds: Intervention to Prevention: Evolving Atherosclerosis Management. Houston, Texas, September 6, 2002.
241. New York Academy of Science, Board Review: IIb/IIIa Antagonists. New York, New York, September 10, 2002
242. 26th Annual Krembs Cardiac Teaching Day: Acute Myocardial Infarction. Johnson City, NY - September 19, 2002.
243. TCT 2002: Faculty Member - Washington D.C. September 24-27, 2002
 - ♦ Moderator of Live Cases
 - ♦ Debate on Closure Devices: Topic - "Close No One!"
244. Marshall University School of Medicine Medical Grand Rounds: Coronary Intervention in the Patient with Diabetes: Selective Benefit of Platelet GIIb/IIIa Receptor Inhibitors and Mechanisms of Risk Reduction. Huntington, West Virginia, October 8, 2002.
245. Emory University School of Medicine Visiting Professor: Atlanta, GA. October 31-November 1, 2002
 - ♦ Grady Memorial Cardiology Grand Rounds: Current Issues in Cardiology
 - ♦ Emory Cardiology Grand Rounds: Optimal Coronary Artery Disease Management
246. Presbyterian Medical Center, Cardiology Rounds: Evolving Issues in Atherosclerosis. Philadelphia, PA, November 21, 2002.
247. New Views of Atherosclerosis: Insights and Implications for Risk-Factor Management. Washington, D.C.- November 23, 2002.
248. Good Samaritan Regional Medical Center, Cardiology Rounds: Intervention to

- Prevention: Evolving Atherosclerosis Management. Phoenix, AR - December 3, 2002.
249. Good Samaritan Medical Center Cardiology Rounds: Intervention to Prevention, Evolving Atherosclerosis Management. West Palm Beach Florida, January 13, 2003.
 250. University of Kansas, Cardiology Fellows Conference: Drug Eluting Stents. Kansas City, Missouri - January 22, 2003.
 251. Cardiology Conference: Optimizing Management Strategies for the High Risk Patient with ACS - "Nightmares in the Cath Lab" - Cleveland, Ohio - February 6, 2003.
 252. Charleston Medical Center, Medical Grand Rounds: Case Studies in Ischemic Heart Disease. Charleston, WVA - February 12, 2003
 253. Salem VA Medical Center, Medical Grand Rounds: Current State of Coronary Intervention. Salem, VA - April 18, 2003.
 254. University of Virginia, Endocrine Grand Rounds: The ALLHAT Trial: Implications for Hypertension Treatment. Charlottesville, VA - April 22, 2003.
 255. VCACC Annual Meeting- Are Manpower Issues Effecting Quality in Your Practice: "A Local and National Voice: Concerns from Richmond and Bethesda. Charlottesville, VA - April 25, 2003.
 256. University of North Carolina School of Medicine, Medical Grand Rounds: Case Studies in CAD. Chapel Hill, NC - May 22, 2003.
 257. Rome Intervention Meeting: Rome Italy - June 19-21, 2003
 - ♦ Panel Member: Live Demonstrations from University Campus Bio-Medico in Rome
 - ♦ Presentation: Stenting is preferable to surgery in patients with left ventricular dysfunction.
 258. Third World Congress on Heart Disease - "Drug Eluting Stents: Special Considerations in the Application of Restenosis". Washington, D. C. - July 14, 2003.
 259. Internal Medicine Update: Sea Pines Resort, Hilton Head Island, S. C. - July 17, 2003
 - ♦ Office Follow-up of the Patient Who Has Undergone a Coronary Intervention
 - ♦ Current Management of Angina Pectoris
 - ♦ Optimizing Cardiovascular Care in the Elderly
 260. Texas Heart Institute, Grand Rounds: Update on Atherosclerosis. Houston, Texas-September 24, 2003
 261. Sentara Hospital, Grand Rounds: Drug Eluting Stents Norfolk, VA - September 30, 2003.

262. North Shore University Hospital, Grand Rounds: GPIIb/IIIa Inhibition in the Era of Coronary Stent Implantation. Manhasset, NY, October 8, 2003
262. 5th International Congress on Coronary Artery Disease: From Prevention to Intervention: Florence, Italy - October 19-22, 2003.
263. Medical Center of Central Georgia, Grand Rounds: Angiographic Characteristics of Coronary Artery; Current Strategies in the Management of Your Patient Undergoing PC. Macon, Georgia, December 5, 2003.
264. McGuire VA Hospital, Women's Health Grand Rounds: Women & Heart Disease. - Richmond, VA - February 11, 2004.
265. Arizona Interventional Cardiology Meeting 2004: CABG versus Drug-eluting Stents in Multivessel Disease: How to Choose. Scottsdale, AR - February 26, 2004.
266. Loyola Medical School, Cardiology Grand Rounds: State of the Heart Lecture- Managing CV Risk in Clinical Practice. Maywood, IL - March 31, 2004.
267. Rush Medical Center, Cardiac Cath Conference: Managing CV Risk in Clinical Practice. Chicago, IL, April 1, 2004.
268. Winthrop University Hospital, Cardiac Catheterization Conference: Diagnosis and Management of the More Challenging Interventional Cardiovascular Patient. Islip NY. July 28, 2004.
269. 2004 American College of Physicians Virginia Chapter Scientific Meeting: Acute Coronary Syndrome. Williamsburg, VA, August 21, 2004.
270. University of North Carolina. North Carolina Cardiovascular Update 2004: Revascularization 2004- What Role for PCI and CABG?" Chapel Hill, NC, - September 17, 2004.
271. Association of Professors of Cardiology Scientific Program: Recruitment & Quality of Care Indicators; Recruitment of Faculty: How Does One Assess Needs? Effect of Workforce Issues, Salary Competition from Private Sector; Current Academic Resources. Bethesda, MD- November 6, 2004.
272. The 15th Asean Congress of Cardiology; Thailand Heart Association. Thailand, October 26, 2004.
 - ♦ Symposium XVII: Drug Eluting Stent symposium; Totality of Evidence on DES
 - ♦ Debate II: - CABG, as compare to DES, should still be the gold standard of coronary revascularization in diabetic patients with multivessel CAD.

273. American Heart Association Scientific Sessions 2004: All Roads Lead to the Cath Lab: Feasible in the United States? New Orleans, LA. November 7, 2004.
274. Williamsburg Conference on Heart Disease: Current Management of Angina Pectoris: Coronary Bypass vs Percutaneous Coronary Intervention in the Drug Eluting Stent Era. Williamsburg, Va. December 6, 2004.
275. University of New Mexico, Cardiology Grand Rounds: CABG vs Interventional Strategies for Revascularization in the DES Era. Albuquerque, NM – December 10, 2004.
276. 35th Annual Symposium of the Working Group, Interventional Cardiology of the Czeck Society of Cardiology; 15th Prague Workshop on Interventional Cardiology - Intercath 2005: PCI versus Bypass Surgery: Patient Selection and Comparative Outcomes. Prague, Chech Republic, April 21-23, 2005.
277. Lutheran General Hospital, Cardiac Catheterization Conference: PCI vs Bypass Surgery in 2005. Chicago, IL- April 29, 2005.
278. Interventional Training Program Directors' Symposium: Lessons Learned-Recent Site Visit Experiences. May 4, 2005
279. 29th Update Cardiology Meeting, sponsored by ACC: Charleston, SC, June 3-4, 2005
 - ♦ Percutaneous Coronary Intervention versus Bypass Surgery: Current Status.
 - ♦ Acute & Chronic Renal Disease in Cardiovascular Outcomes
280. University of Miami School of Medicine, PCI Conference: Optimal Management of AMI's and the Current STEMI Guidelines. Miami, FL June 10, 2005
281. Chesapeake General Hospital, Grand Rounds: Hypertension & Cholesterol; the Composite Problem. Chesapeake, VA-n July 8, 2005
282. Portsmouth Naval Hospital Grand Rounds: Hypercholesterolemia: Who to Treat, When to Treat and How to Treat. Portsmouth, VA- September 2, 2005.
283. University of Virginia, Cardiology Grand Rounds: Bypass Surgery vs Angioplasty: Where are we in 2005? Charlottesville, VA- September 6, 2005.
284. Annual Public Forum, Keynote Speaker: Coronary Artery Disease (Includes risk factors for Lupus patients). Glen Allen, VA- October 6, 2005.
285. 6th International Congress on Coronary Artery Disease, From Prevention to Intervention: Current Status of Percutaneous Coronary Intervention in the Management of Patients with Impaired Left Ventricular Function. Istanbul, Turkey- October 30, 2005.
286. Invited Presentation; Association of Professors of Cardiology: How To Raise Endowment: What Works, What to Avoid. Dallas, TX- November 12, 2005.

287. Scottsdale Interventional Forum 2006: Scottsdale, AZ- February 2-3, 2006.
 - ♦ Emerging Technologies II: Vulnerable Plaque & Percutaneous Valvular Therapies. Sterotaxis Guidance System for Coronary Disease
 - ♦ AMI & ACS 1: Pharmacologic & Catheter Based Strategies – Distal Protection and Thrombectomy in Acute Intervention
 - ♦ PVD – Renal Risk & PCI
288. Cooper University Hospital, Cardiology Grand Rounds: Applying Risk management to Coronary Disease Management. Camden, New Jersey- March 3, 2006.
289. Society for Cardiolgraphy & Interventions Annual Meeting: Bypass Surgery for Left Main Disease. Chicago, IL. May 11, 2006.
290. Methodist Hospital, Division of Thomas Jefferson University, Medical Grand Rounds: Optimizing Outcomes in Patients with Multiple Cardiovascular Risks. Philadelphia, PA, August 9, 2006.
291. 4th Five-Continent International Symposium on Cardiovascular Disease: Magnetic Navigation System in Coronary Artery Disease. Beijing, China- October 14, 2006.
293. Cutting Edge Cardiology Inaugural Symposium: Acute Coronary Syndrome. Easton, PA. November 5, 2006.
294. VCU Institute for Women's Health: The Way to a Woman's Heart. Richmond, VA. November 16, 2006.
295. University of Medicine and Dentistry of New Jersey Program, Cardiology Rounds: Acute Myocardial Infarction (AMI) - The Urgent Intervention. Newark, NJ- December 13, 2006.
296. Ponte Vedra Cardiovascular Symposium, Invited Faculty Speaker: Future of Interventional Cardiology. Ponte Vedra Beach, FL- May 13, 2006.
297. Kenner Army Health Center, Grand Rounds: Atherosclerosis and the Changing Paradigm of Cardiovascular Disease Treatment: Implications of Clinical Data. Fort Lee, VA- January 18, 2007.
298. University of North Carolina, Cardiology Fellows' Conference: Update on Angina Management. Chapel Hill, NC- January 26, 2007.
299. Hahnamen University Medical Center, Catheterization Conference. High Risk PCI. Philadelphia, PA- January 30, 2007.
300. Scottsdale Interventioanl Forum 2007, Invited Lectures:

- Scottsdale, AR. February 7-9, 2007.
- ♦ Abdominal Aortic Aneurysm: Natural History and Surveillance"
 - ♦ Prognostic Importance of Biomarkers in Acute Coronary Syndromes"
301. Richmond Academy of Medicine, Invited Lecturer: Horsley Lecture; Percutaneous Coronary Intervention 2007: Implications of the Drug Eluting Stent Controversy. Richmond, VA - February 13, 2007.
 302. Capital Area Indian Medical Society Meeting: Management of Cardiovascular Risk in an Indian Population. Arlington, VA- February 24, 2007.
 303. University of Kentucky, Grand Rounds: Drug Eluting Stent Controversy: PCI vs CABG 2007. Lexington, KY. March 2, 2007.
 304. ACP National Meeting, Internal Medicine 2007 -Invited Presentations: The Great Debates: Stents vs Statins; Medical Therapy vs Interventions for Coronary Artery Disease. - San Diego, CA - April 20, 2007.
 305. Cath Conference Program: Current Issues in Invasive CAD Management. Charleston, W. VA- May 19, 2007.
 306. University of Louisville, Cardiology Grand Rounds: Update in Anti-Anginal Therapy. Louisville KY- June 13, 2007.
 307. International Academy of Cardiology 13th World Congress on Heart Disease; Annual Scientific Sessions 2007, Invited Lecturer: Renal Disease Impact on Coronary Interventional Outcomes. Vancouver, B.C.- July 30, 2007.
 308. 2007 Virginia Academy of Family Physicians Annual Meeting: What is the First Role of Coronary Intervention in the Management of Coronary Artery Disease? Current Issues in 2007. Hot Springs, VA. August 11, 2007.
 309. Bluechoice Healthplan 2007 Physician Conference: Kiawah Island, SC- September 1-2, 2007.
 - ♦ Stents or Medical Management, the Courage Trial
 - ♦ Lipids 2007, Beyond LDL
 310. 30- Year Anniversary of Coronary Angioplasty: X-ray Now and Then. Zurich, Switzerland. September 16, 2007.
 311. Stony Brook Medical Center, Catheterization Conference: Complex Angioplasty. Stony Brook, NY- September 20, 2007.
 312. Scottsdale Interventional Forum 2008: Scottsdale, AR, Feb, 14-16, 2008.
 - ♦ Cardiovascular Imaging: Magnetic Guidance Applied to PCI Ultrasound
 - ♦ Thrombectomy in AMI

- ♦ Peripheral Vascular Disease : Impact of Renal Insufficiency on CAD Outcomes
 - ♦ Unresolved Issues in Coronary Intervention: Complex PCI Subsets -PCI vs Bypass Surgery - Current Decision Issues
313. The 9th Annual Clinical Skills Workshop, Sponsored by Virginia Commonwealth University: Does This Patient Have Heart Failure. Richmond, VA- February 23, 2008.
314. University of North Carolina, Cardiac Cath Conference: Update on Interventional Issues. Raleigh, North Carolina- March 13, 2008
315. ACP Third Annual International Update: Mexico City, Mexico- April 8, 2008
- ♦ The Athlete's Heart
 - ♦ Treatment of Asymptomatic Heart Failure
316. University of Virginia, Cardiology Rounds: Drug Eluting Stents 2008. Charlottesville, VA April 15, 2008.
317. Invited- Virginia Chapter of American College of Cardiology Annual Meeting 2008: DES versus BMS: What Have We Learned and What is Now SOP? Hot Springs, VA- May 4, 2008.
318. Capital Cardiovascular Conference: Difficult and High-risk Patient: Therapeutic Dilemmas- Diabetes Patient with Multivessel Disease Surgery versus Multivessel CI with DES. Baltimore, MD- June 10, 2008.
319. United Health Services Hospital, 32nd Annual Krembs Cardiac Teaching Day Program: Management of AMI. Binghamton, NY - September 18, 2008.
320. Penn State College of Medicine, Cardiology Grand Rounds: Intracoronary Stents: When, Where and What? Hershey, PA- November 3, 2008.
321. The Annual Meeting of the West Virginia Chapter of the American College of Cardiology: Charleston, WVA. November 22, 2008.
- ♦ Stents: Coat Them, Go Bare or None at All
 - ♦ Aspirin/Plavix Resistance and Perioperative Management
322. The 35th Annual Williamsburg Conference on Heart Disease: Williamsburg, VA December 7-9, 2008
- ♦ The Role of Percutaneous Intervention in Treatment of Arterial Narrowings and Occlusions
 - ♦ The Current Status of DES, Comparison of DES to Bypass Surgery and Role of STEMI
324. Grand Rounds Speaker, University of Virginia. March 2010.

325. Women's Health Grand Rounds. "Changing Trends in Understanding Ischemic Heart Disease in Women". Richmond, VA. February 10, 2010
326. Scottsdale Interventional Forum 2010. "Anticoagulant Therapy in Coronary Intervention: How to Choose. Scottsville, AR. February 12, 2010
327. Stoney Brook University Hospital – Cardiology Rounds. "Update on P2Y Inhibitors". Stony Brook, NY. March 4, 2010.
328. University of Virginia Grand Rounds. " " Charlottesville, VA. March 29, 2010
329. Emory Practical Intervention Course. Emory University School of Medicine.. Invited Faculty. "The Place of Multivessel PCI in 2010" Atlanta, GA. 2010
330. ACC Virginia Chapter. Controversies in Cardiology Annual Meeting 2010. "Update in Interventional Cardiology". Heart House. Washington, DC May 2, 2010.
331. International Academy of Cardiology. 15th World Congress on Heart Disease. Annual Scientific Sessions 2010. "PCI in the Management of Patients with Impaired Left ventricular Function" Vancouver, BC. Canada. July 27, 2010
332. Medical Grand Rounds. University of Virginia. "Medical vs Surgical vs. Coronary Intervention: Optimizing Management of Ischemic Heart Disease". Charlottesville, VA. October 5, 2010
333. West Virginia ACC CME Sponsored Program. "Case Studies in CAD" Charleston, WVA, November 19-20, 2010
334. Carolinas Medical Center -Cardiac Cath Conference. "Epidemiology and Management of Angina". Charlotte, NC. December 16, 2010.
335. Westchester Medical Center. Cardiac Catheterization Conference. " Case Study in Diabetic Coronary Disease" Valhalla, NY. December 17, 2010
336. McGuire VA Hospital. Women's Health Grand Rounds. "Hyperlipidemia, Gender Disparities". Richmond, VA. February 9, 2011
337. International Academy of Cardiology 16th World Congress on Heart Disease. Initial Observation o Robotic PCI". Vancouver, BC, Canada. July 23-26, 2011.
338. Petersburg Regional Medical Center. Grand Rounds "Management of Stable Ischemic Disease" Petersburg, VA September 22, 2011
339. CME Lecture Series: Stable Ischemic Heart Disease " Risk Stratification and Patient Identification" Syracuse, NY – November 29, 2011.

340. Williamsburg Conference on Heart Disease. "Update in Interventional Cardiology". Williamsburg, VA. December 4, 2011
341. Advanced Concepts in Electrophysiology (ACE) Session "Management of Hypertension: The Role of Non-Pharmacologic Therapies" Fort Lauderdale, FL. February 11, 2012.
342. ACC – The Heart of Innovation. "Robotic Assisted PCI: Opportunities for Improved Precision and Efficacy". Chicago, Ill. March 25, 2012
343. 2012 Sanford Cardiovascular Symposium. Near Future Technologies, Treatments and Therapies. "Role of Robotic Angioplasty in Today's Cath Lab. Sioux Falls, SD. June 30, 2012.
344. SCA&I Fellows Training Program. Left Main PCI, Las Vegas, NV. 2013.
345. TCT (1) Nurse-Tech Symposium – Coronary Angiography for Interventional Cardiology (2) Panelist: Live Coronary Cases Miami, FL, 2013.
346. CRT. How to Handle Conflicts of Interest in Clinical Trials, Washington DC, 2013.
347. CRF Fellow Training Course. Diagnosis Management of Cardiogenic Shock. Las Vegas, NV. 2013.
348. International Conference on Coronary Artery Disease. Hemodynamics Support for PCI in the Setting of Severe LV Dysfunction. Venice, Italy. October 2013.
349. Sanford Cardiovascular Symposium. Top 10 Observations from 35 Years of Invasive Cardiology. October 2013.
350. C3 2014
 - (1) Update on Prasugrel Studies.
 - (2) Coronary Angiography for the Interventionalist
 - (3) Defining High Risk PCI
351. Interventional Academy of Cardiology. 17th World Congress of Cardiology. Hemodynamic Support for High Risk PCI, Boston, MA. July 2014.
352. SCA&I Fellow Training Program. High Risk PCI: A Case study. Las Vegas, NV. 2014.
353. CRT (1) Managing Conflicts of Interest in Clinical Industry Trials (2) Panelist on Anti Thrombotic Treatment of ACS. Washington D.C. 2014.
354. TCT

- (1) Newer Tech Symposium. Coronary Angiography for Optimal PCI
(2) Panelist: Renal Artery Ablation.
(3) Panelist: Live Coronary Cases
Washington D.C 2014.
355. CRT Fellows Training Course. Management of Cardiogenic Shock. Miami, FL. 2014
356. Abiomed National Sales Meeting. Top 10 Observations During 35 Years of Interventional Practice. April 2014.
357. NIC (India Interventional Program)
(1) The History of PCI Through the View of Gruentzig
(2) High Risk Left Main PCI: Case Example India. 2014.
358. Taiwan Chapter ACC Cardiology Meeting. Guideline Management of Stable Ischemic Disease: Surgery vs PCI vs Medical Therapy. Taiwan. May 2014.
359. Cardioapex.
(1) Robotic PCI
(2) Hemodynamic Support for High Risk PCI
(3) Consideration in Deciding PCI vs CABG vs Medical Management of Stable Angina
Alexandria, Egypt. June 2014.
360. 1st European Interventional Cardiology Conference. Potential Applications of Rotationally Assisted Coronary PCI. Athens, Greece. August 2014.
361. Update on Cardiology 32nd Annual Cardiology Program, Baylor Cardiology (William Roberts, Chairman). Update on Interventional Cardiology. Williamsburg, VA. Dec 2014.
362. CRF Fellows Training Course
(1) Multivessel, High Risk PCI in ACS
(2) PCI in High Risk anatomy: Indications for Hemodynamic Support.
Miami, FL. 2015.
363. EPIC-SEC –ACS in Multivessel CAD: Case Presentation with Discussion. Atlanta, GA
April 2015.
364. C3 (1) Update in Antiplatelet Studies in the last year
(2) Defining the High PCI Patient
(3) Protecting my Patients and Myself – Robotic PCI
2015.
365. American College of Physicians Annual Meeting. Update on Valvular Disease. Boston,

- MA. April 2015.
366. Abiomed National Sales Meeting. Protected PCI. April 2015.
 367. SOLACI/ACC Symposium. State of the Art in Primary PCI. Mexico City. August 2015.
 368. TCT 2016 Invited Participant
 369. EPCI 2016 Invited Participant
 370. SCAI 2016 Invited Participant
 371. Interventional Conference (4S) in Dubai 2016
 372. CarioApex Alexandria Egypt 2016
 373. Japanese Circulatory Society 2016 Invited Participant
 374. CCT Japan 2016 Invited Faculty
 375. SCAI Fellows Course Las Vegas 2016 Faculty
 376. CRT Washington DC, 2017 Faculty
 377. ACC Washington DC, 2017 Faculty
 378. SCAI Annual meeting 2017 Faculty.
 379. CRF Fellows Course Hemodynamic Symposium Orlando, Fl. 2017
 380. EPIC Emory course Atlanta 2017.
 381. C3 2017 Faculty and Co Program Director
 382. Cardiolgy Rounds Oschner Clinic New Orlando, Fl. 2017
 383. TCT 2017 Denver, Co. Faculty
 384. SCAI Fall Fellows Las Vegas 2017 Faculty

COURSE DIRECTOR/CO-CHAIRMAN: (Selected)

1. Two-and-a-half-day Course "Coronary Artery Disease: Diagnosis, Prognosis and Treatment". June 18-20,1981. Williamsburg, Virginia. Sponsored by Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
2. Two-and-a-half-day Course "Advances in Cardiology" - June 18-20, 1982. Williamsburg, Virginia. Sponsored by Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
3. Two-and-a-half-day Course "Advances in Cardiology - Third Annual MCV Cardiology Conference" - June 22-24, 1983. Hot Springs, Virginia. Sponsored by the Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
4. Two-and-a-half-day Course "Diagnostic & Therapeutic Techniques in the Management of Coronary Artery Disease. July 27-29, 1984. Hot Springs, Virginia. Sponsored by Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
5. Two-and-a-half-day Course "Advances in Cardiology" - July 19-21, 1985. Hot Springs, Virginia. Sponsored by Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
6. Two-and-a-half-day Course "Immediate Issues in Cardiology" - May 8 - 10, 1987, Williamsburg, Virginia. Sponsored by Division of Cardiology, Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
7. Two-and-a-half-day Course "Immediate Issues in Cardiology". May 5-7, 1989. Williamsburg, Virginia. Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
8. Sponsored and participated in 21 Hospital Statewide Program on Cardiac Rehabilitation. 1976-1977.
9. Organized and presented at Heart Lung Critical Care State Meeting, 1981-88. Presentations 1989, 1990, 1991
10. Scientific Program Chairman - Sixth Annual Fall Clinical Conference Continuing Education Program - Cardiology for Practicing Physicians. Co-sponsored by John Randolph Hospital and Department of Continuing Medical Education/Medical College of

Virginia of Virginia Commonwealth University. Petersburg, Virginia. 12/7, 1984.

11. Course Director - Practical Internal Medicine Selected Topics sponsored by Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University. Virginia Beach, Va July 11-13, 1986.
12. Co-Chairman - Society for Cardiac Angiography, San Diego, California, May 13-16, 1986
13. Co-Chairman, Scientific Session on Restenosis, American College of Cardiology, New Orleans, LA, March 1987
14. Two-and-a-half-day Course "Clinical Concerns in Primary Care: Office Cardiology" Williamsburg, Virginia April 24-26, 1987. Sponsored by Department of Medicine and Department of Continuing Medical Education, Medical College of Virginia of Virginia Commonwealth University.
15. Co-Chairman - American College of Cardiology - Scientific Session on Valvuloplasty, Atlanta, Georgia. 1988.
16. Co-Chairman - American Heart Association - Scientific Session on Clinical Cardiology: Angioplasty II, Washington, D. C. November 1988.
17. Program Committee Chairman. Society for Cardiac Angiography Programs. 1988-93.
18. Co-Chairman - American College of Cardiology - Scientific Sessions. New Orleans, LA- March 1990.
19. Co-Chairman - American College of Cardiology - Scientific Sessions. Atlanta, Georgia, March 1991.
20. Co-Chairman - Cardiology: Heart Failure, Transplantation, Electrophysiology and Interventional Cardiology Program. Virginia Beach, Virginia, July 12-14, 1991.
21. Program Chairman - "Left Ventricular Dysfunction in Hypertension and Angina: Causes and Consequences. Sponsored by Medical College of Virginia of Virginia Commonwealth University. Dallas, Texas, April 11, 1992.
22. Co-Chairman - American College of Cardiology - Scientific Sessions, Dallas, Texas. April 1992
23. Co-Chairman - MCV Cardiology Update Program, Virginia Beach, Virginia July 10-12, 1992.

24. Co-Chairman - American College of Cardiology - Scientific Sessions, Anaheim, California. March 1993.
25. Chairman - Medical College of Virginia of Virginia Commonwealth University CV Interventional Program. Marriott Hotel, Richmond, VA- January 30, 1993
26. Co-Chairman - Cardiology Update Program. Virginia Beach, VA- July 9-11, 1993.
27. Program Chairman - The Society for Cardiac Angiography & Interventions. San Antonio, Texas, May 18-22, 1993, 1994
28. Co-Chairman American Heart Association - State of the Art Conference on Invasive Cardiology: Current Diagnostic and Therapeutic Issues. December 9 - 11, 1993. Washington, D. C.
29. Co-Chairman - Cardiology Conference - Virginia Beach, Va. July 29-31, 1994
30. Moderator - Abstract Presentations. Clinical Cardiology: Percutaneous Transluminal Coronary Angioplasty in High Risk Clinical subsets. Dallas, Texas. November 15, 1995.
31. Chairman - ACC Fireside Panel "Changing Cardiology Workforce: Adapting While Maintaining Excellence in Cardiology Service. New Orleans, LA. March 19, 1995.
32. Session Chairman - Annual Scientific Sessions - American College of Cardiology MiniCourse Complex Stenting: Why and When? - Atlanta GA March 29, 1998.
33. Program Chairman - Primary Care Update: Focus on Cardiovascular Disease. A Case Study Program. Hot Springs, VA. November 13-15, 1998.
34. Chairperson- "Viagra Grant Review Program - Pfizer. 2002, 2004
35. Faculty Chairman – “The High-Risk AMI Patient: Early & Long-Term Benefits of Selective Aldosterone Blockade. (Pfizer Sponsored Symposium held during Society for Cardiovascular Angiography & Interventions. Jacksonville, FL – May6, 2005.
36. Moderator - Abstract Presentations. Session: Bifurcation Stents. November 2005. Dallas, TX.
37. C3 Interventional Conferenes. Co-Course Director. Orlando, FL. June 2013 - present.

CONTINUING MEDICAL EDUCATION PROGRAMS IN VIRGINIA (Selected)

1. Sixth Annual Family Medicine Symposium: "Indications for Cardiac Catheterization" - Lynchburg, Virginia April 10, 1987.
2. Annual Spring Institute of the Southside Medical Society Medical Interventions in Coronary Artery Disease (Acute & Subacute): Farmville, Virginia - April 14, 1987.
3. Alumni and Friends "All Star Weekend" CME Program: "Acute MI" Richmond, Virginia, December 5, 1988.
4. 92 Alumni Reunion - Medical College of Virginia of Virginia Commonwealth University: "Coronary Artery Disease: Management Options" - Richmond, Virginia. May 2, 1992.
5. Southside Community Hospital - CME Program: Pros and Cons of Mobile Catheterization Laboratories for the Community Hospital. Farmville, Virginia, September 9, 1992.
6. Greenville Memorial Hospital - CME Program: Cardiac Catheterization: Changing Indications in the 90's. Emporia, Virginia. April 20, 1993.
7. Mary Washington Hospital - CME Program: Invasive New Modalities in Management of Coronary Artery Disease. Fredericksburg, Virginia. June 18, 1993.
8. Southside Regional Medical Center & Medical College of Virginia, Cardiology Update-CME Program: Acute Myocardial Infarction: The Role of Interventional Therapy. Richmond, Virginia. December 8, 1993
9. Southside Medical Society sponsored by Southside Community Hospital and the Office of Medical Education, Medical College of Virginia of Virginia Commonwealth University: The Ischemic Heart-Therapeutic Alternatives; Angioplasty and Related Therapies. Farmville, VA- April 12, 1994.
10. Louise Obici Hospital: Silent Myocardial Ischemia: Current Perspectives. Suffolk, Virginia. December 20, 1994.
11. Hanover Family Practice: When Is It Necessary to Perform Cathetrization? Richmond, Virginia. February 14, 1995.
12. Weekend Clinical Seminar, Vascular Disease 1995: Decision Making in Angina Pectoris to Reach Optimal Patient Outcomes. Irvington, Virginia September 22-24, 1995.
13. Northampton-Accomack Memorial Hospital, Affiliate Hospital Program Lecture: Heart Failure/Angina. Nassawadox, VA - October 17, 1995
14. Southside Regional, Medical Rounds: Angioplasty vs Thrombolytics. November 1, 1996.

15. Obici Hospital, 43rd Annual Clinical Conference: Decision Making in the Management of Coronary Artery Disease. Suffolk, VA- April 3, 1996.
16. Annual Fall Institute sponsored by Southside Medical Society and MCV CME: Management of Coronary Artery Disease. South Hill, Virginia - September 10, 1996.
17. Rockingham Memorial Hospital CME Program: Restenosis Research and Update Cardiology. Harrisonburg, Va- June 30, 1998.
18. Interventional Cardiology: Platelet Glycoprotein Iib/IIIa Receptor Inhibitors: Defining Their Role in PTCA, Acute Myocardial Infarction and Acute Coronary Syndromes. Richmond, Virginia- September 10, 1998
19. Foundations of Clinical Medicine CME Clinical Skills Workshop: Cardiac Exam Review. Richmond, VA- October 3, 1998.
20. Memorial Regional Medical: New Advances in Cardiology for Mens Health. Mechanicsville, Virginia - October 5, 1999.
21. Stuart Circle Hosital: Mens Health Issues. Richmond, Virginia - November 3, 1999.
22. Southside Regional Medical Center, Grand Rounds: Acute Coronary Syndrome. Petersburg, Virginia – December 13, 2001.
23. Case Discussion Symposium: Interventional Update: Learning in the Trenches. Williamsburg, VA- May 3, 2002
18. Southside Community Hospital: Recent Advances in Cardiology. Farmville, VA - August 14, 2002.
19. Rockingham Memorial: Cardiology Update. Harrisonburg, Va - August 27, 2002.
20. Mary Washington Hospital: Optimizing Management Strategies for the High-Risk Patient with ACS. Fredericksburg, Va - October 25, 2002.
21. Lewis Ginter Botanical Gardens: New Treatments in Cardiology. Richmond, Va November 1, 2002.
22. Cardiac Catheterization Conference: Drug Eluting Stents. Roanoke, Va. January 29, 2003.
23. Roanoke Memorial Hospital: Update in Cardiology for the Primary Care Physician. Roanoke, VA - March 21, 2003.
24. Danville Regional Medical Center: Update on Cardiology. Danville, Va - April 17, 2003

25. Local CME Program: Cholesterol Management: Current Trends. Richmond, VA - May 22, 2003
26. John Randolph Medical Center: Early and Aggressive Statin Therapy. Hopewell, Va. November 5, 2003.
27. Local CME Program: Early & Aggressive Statin Therapy. Virginia Beach, VA - November 13, 2003.
- 28.
29. Heart Matters Symposium, Invited: The Great Debate: Cardiac Intervention versus Surgical Intervention. Richmond, VA – November 21, 2003.
30. 2nd Annual Alumni Update Course, Medical School Advisory Council and VCU Office of Continuing Medical Education: Hypertension: Cardiovascular Importance & New Guidelines. Richmond, VA - November 21, 2003.
31. Greenville Memorial Hospital, Local CME Program, Medical Rounds: Early & Aggressive Statin Therapy. Emporia. VA January 20, 2004.
32. Laburnum Medical Center, Local Program: Update on Cardiovascular Disease. Richmond, VA- June 30, 2004.
33. Southside Regional Hospital, Medical Rounds- Local CME Program: Early & Aggressive Treatment of Lipid Lowering. Petersburg, VA - October 19, 2004
34. Greenville Memorial Hospital, Local CME Program-Update 2005 Conference: New Advances in Interventional Cardiology. Emporia, Va. February 15, 2005.
35. Mary Washington Hospital, Local CME Program: Ways to Decrease Door to Balloon Time for ST Elevation MI. Fredericksburg, VA- January 27, 2006.
36. Local CME Program: Post MI Care. Winchester, VA - February 22, 2006.
37. Local CME Program "Acute Coronary Syndrome". Winchester, VA. February 23, 2006.
38. New Jersey Heart Institute at Lourdes & Kennedy Health System, Invited CME Program: Cardiac Perspectives 06. Camden, NJ- March 4, 2006.
39. Geriatrics CME Lecture: Lipids in the Elderly. Richmond, VA. June 6, 2006.
40. VA Medical Center, Geriatric Grand Rounds: CAD in Older Women. Richmond, VA - October 6, 2006.
41. Bon Secours Memorial Regional Medical Center: Current Advances in Cardiology. Mechanicsville, VA. February 6, 2007.

42. Sentara Hospital, Catheterization Conference: The COURAGE Trial: Indications for PCI. Norfolk, VA- May 8, 2007.
43. Mary Washington Hospital, Medical Rounds: Update in Coronary Artery Disease Management. Fredricksburg, VA- June 1, 2007.
44. Southern Virginia Regional Medical Center, VCU CME Sponsored Program: Coronary Artery Stenting: Current Issues on Whom, When and Drug Eluting Stents. Emporia, VA. June 19, 2007.
45. Southside Regional Medical Center, VCU CME Sponsored Program: Coronary Artery Stenting: Current Issues on Whom, When and Drug Eluting Stents. Petersburg, VA. August 16, 2007.
46. Community Memorial Healthcenter: Coronary Disease; Issues in Cardiology 2007: Hypothermia Drug Eluting Stents & Cardiac Surgery Advances. South Hill, VA - October 20, 2007.
47. Southern Virginia Regional Medical Center, VCU CME Sponsored Program: The Drug Eluting Controversy one year Later. Emporia, VA. January 3, 2008
48. Southside Regional Medical Center, VCU CME Sponsored Program: Drug Eluting Stents-2008. Petersburg, VA- May 15, 2008.
49. Richmond Rotary Club, Invited Community Lecture: What is Happening at the Pauley Heart Center. July 23, 2008.
59. Community Memorial HealthCare. "Current Issues in Coronary Disease Management. March 20, 2010
60. Southside Regional Medical Center. Grand Rounds. "Managing Stable Ischemic Heart Disease". Petersburg, VA. July 22, 2010
61. Expert Exchange CME Program. "Management Considerations for Patients with Stable Ischemic Heart Disease" McLean, VA. July 29, 2010
62. Winchester Medical Center. Cardiology Rounds. "The Transaortic Assist Devices; Understanding the New Devices". Winchester, VA. August 26, 2010
63. VCU Update for the Interist Cardiology Conference: VCU CME Sponsored Program: "Management of Angina: What's New". Williamsburg, VA. September 11, 2010
64. St Mary's Hospital. Management of Ischemic Heart Disease. (local) Richmond, VA. 2013.

65. Lewis Ginter VCU Community Program (Local). Panel Discussion on Risk Management. February 2014.

66. Hanover Ruritan Club. (Local). How to Avoid a Heart Attck. October 2014.

ONSITE PTCA TECHNICAL AND TRAINING CONSULTATION:

- ♦ Baton Rouge, Louisiana - 1981. (Baton Rouge Memorial)
- ♦ Danville, Pennsylvania - 1982 - (Geisinger Clinic)
- ♦ Richmond, Virginia - 1982 - (Chippenham Hospital)
- ♦ Roanoke, Virginia - 1985 - (Roanoke Memorial)
- ♦ Dublin, Ireland - 1985 - (Mater Misericordiae)
- ♦ Rome, Italy - 2000 - Live Cath Lab Case Transmissions to International Interventional Educational Program

Revised December 30, 2017