

**FRANCIS P. SUTTER, DO, FACS, FACOS**

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**SOCIAL SECURITY NUMBER** ---...3116  
**PLACE OF BIRTH** Broomall, PA  
**CITIZENSHIP** USA  
**DATE OF BIRTH:** March 13, 1950

**EDUCATION:**

1964-1968	Cardinal O'Hara High School Springfield, PA
1968-1972	LaSalle College Philadelphia, PA
1972-1976	Philadelphia College of Osteopathic Medicine Philadelphia, PA

**POSTGRADUATE TRAINING and FELLOWSHIP APPOINTMENTS**

1976-1977	Rotating Internship Parkview Hospital, Philadelphia, PA
1977-1978	Surgical Resident Parkview Hospital, Philadelphia, PA
1978-1983	Surgical Resident Thomas Jefferson University Hospital, Philadelphia, PA
1983-1986	Cardiothoracic Surgery Resident Thomas Jefferson University Hospital, Philadelphia, PA

**FACULTY APPOINTMENTS:**

Feb 1990	Clinical Assistant Professor of Surgery Jefferson Medical College Thomas Jefferson University, Philadelphia, PA
May 1992 – June 1994	Associate Professor of Surgery Philadelphia College of Osteopathic Medicine, Philadelphia, PA
July 1994 – August 2010	Adjunct Associate Professor Department of Surgery Philadelphia College of Osteopathic Medicine, Philadelphia, PA

July 1994 – Dec 2005                      Clinical Associate Professor of Surgery  
Jefferson Medical College  
Thomas Jefferson University, Philadelphia, PA

Dec 5, 2005 – Present                      Clinical Professor of Surgery  
Jefferson Medical College  
Thomas Jefferson University, Philadelphia, PA

August 18, 2010 – June 30, 2013                      Clinical Associate Professor  
Department of Surgery, Division of Vascular & Thoracic Surgery  
Philadelphia College of Osteopathic Medicine, Philadelphia, PA

**HOSPITAL and ADMINISTRATIVE APPOINTMENTS:**

July 1986 - Dec 1986                      Attending Physician, Thoracic and Cardiovascular Surgery  
Lankenau Hospital, Wynnewood, PA

July 1986 - Dec 1986                      Attending Physician, Thoracic and Cardiovascular Surgery  
Graduate Hospital, Philadelphia, PA

Dec 1986 - July 1989                      Attending Physician, Thoracic and Cardiovascular Surgery  
Deborah Heart and Lung Center, Browns Mills, NJ

Jul 1989 - Present                      Active Staff, Department of Surgery  
Division of Thoracic and Cardiovascular Surgery  
Lankenau Medical Center, Wynnewood, PA, Main Line Health System

Apr 1999 – Dec. 2001                      Active Staff, Division of Cardiac Surgery  
Mercy Fitzgerald Hospital, Darby, PA, Mercy Health System

**LICENSURE:**

Pennsylvania    OS-003742-L  
New Jersey      47543

**SPECIALTY CERTIFICATIONS:**

American Board of Surgery	#32542	1987	Recertification: 1995
American Board of Thoracic Surgery	#4742	May 1988	Recertification: 1997, 2006
American Osteopathic Board of Cardiothoracic and Vascular Surgery	#1197	Oct 1988	

**MAJOR TEACHING and CLINICAL RESPONSIBILITIES**

Dec 1986 - July 1989                      Director of Surgical Fellows, Thoracic and Cardiovascular Surgery  
Deborah Heart and Lung Center, Browns Mills, NJ

Jul 1989 - Present                      **Division of Thoracic and Cardiovascular Surgery**  
**Lankenau Medical Center**, Wynnewood, PA, Main Line Health System

1989 – Present                      Lankenau Surgery resident on service

1989 – Jun 2007                      Rounds, Lankenau Cardiology fellows on service, daily

1989 - 1993                      Intra-operative teaching, Perfusion students on rotation from Cooper Hospital

July 1992-1993                      *Member*, Transfusion Committee

Jan 1993 – Present                      *Member*, Critical Care Committee

July 1993-1998                      *Member*, Quality Assurance Subcommittee CT Surgery

July 1994 - 1996	Member, Medical Review Subcommittee – Department of Surgery
July 1995 - Present	<i>Member</i> , Operating Room Committee
May 1998 - Present	<i>Co-Chairman</i> , Surgical Site Improvement Committee
July 1999 – Present	<i>Director</i> , 4 South Progressive Cardiac Care Unit
2001 – 2003	<i>In-service</i> , Nursing staff CT-ICU & Progressive Care Unit - weekly
Jul 2001 – Present	<b>Chief</b> , Division of Thoracic and Cardiovascular Surgery
Jul 2001 – Jun 2005	<i>Medical Operating Committee, Representative At Large</i> , Dept of Surgery
Jul 2003 – Jul 2005	<i>Vice President</i> , Medical Staff
Jul 2005 – Jul 2007	<i>President Elect</i> , Medical Staff
Jul 2007 – Jul 2009	<i>Past President</i> , Medical Staff
Jul 2007 – Jun 2009	<i>Chairman</i> , Quality and Patient Safety Committee
July 2007 - Present	<i>Member</i> , Medical Operations Committee
Sept 2007 – Present	<i>Co-Chair</i> , OR Safety Committee
Jul 2008 – Present	<i>Member</i> , Peer Review Committee
Apr 2009 - Present	<i>Member</i> , RCA Oversight Committee
Jan 2001 – 2009	<b>Clinical Responsibilities, Main Line Health System</b> including Bryn Mawr, Paoli and Lankenau Hospitals
2001-Present	<i>Member</i> , Clinical Effectiveness, Data & Quality Steering Committee, Division of Cardiac surgery
2003 - Present	<b>System Director, Quality Initiatives</b> , Dept of Surgery
2003 - 2007	Director, Cardiac Information Exchange (CIE) Program, Lankenau
Jul 2003 – 2007	Co Director, Cardiac Information Exchange Program, Bryn Mawr Hosp
July 2003 – Jun 2007	Co Director, Cardiac Information Exchange Program, Paoli Hospital
Jul 2007 – Jun 2009	Medical Executive Committee
July 2007 - Current	<i>Member</i> , Quality and Patient Safety Committee
July 2010 - Current	<i>Member</i> , Robot Steering Committee
Jul 2007 – June 2011	<b>Clinical Responsibilities, Jefferson Health System</b> <i>Member</i> , Quality Council
1989 – 2001	Philadelphia College of Osteopathic Medicine Lecturer, 1st and 2nd year students
1989 – 1998	Thomas Jefferson University Hospital Lecturer, Acquired Heart Disease Program for 3rd-year medical student rotation, every 6 weeks
Nov 1998 – Dec. 2000	Mercy Fitzgerald Hospital, Darby, PA, Mercy Health System <i>Medical Director</i> , Division of Cardiac Surgery, Developed & Opened Cardiac Surgery Program

**PRECEPTORSHIPS: STUDENT & RESIDENT ROTATIONS:**

1990- Present

Amber Steinberg, Jefferson Medical College 4th year student, February - March 1990.  
Charles Raudat, Philadelphia College of Osteopathic Medicine (PCOM) 3rd Year student, April-May 1990.  
Joseph Stella, PCOM 4th year student, July-August 1990.  
Charles Raudat, PCOM 4th year student, October-November 1990.  
Cynthia Fusco, PCOM 4th year student, October-November 1990.  
H. William Craver III, DO, PCOM 3rd year Resident, January - February 1991.

*Jeffrey Amidon, DO, 1st year Medical Resident, Mercy Catholic Medical Center, March 1991.*

*Emil Abdalla, PCOM 4th year student, October-November 1991.*

*Raja Sabbagh, Jefferson Medical College 4th year student, November-December 1991.*

*Louis Mariotti, DO, PCOM General Surgery Resident, November-December 1991.*

*Gerald O'Malley, DO, PCOM General Surgery Resident, January-February 1992.*

*Jan Oleginski, DO, PCOM General Surgery Resident, March-April 1992.*

*Francis Ogbolu, PCOM 1st year student, June-July 1992.*

*Joseph Conroy, PCOM 3rd year student, September 1992.*

*Stuart Goldstein, DO, Suburban General Hospital, 3rd year Surgery Resident, October 1992.*

*Charles Stivala, PCOM 3rd year student, October-November 1994.*

*James Welker, PCOM 4th year student, November-December 1994.*

*William Phillips, PCOM 4th year student, January 1995.*

*Mary Martucci, DO, Suburban General Hospital, 3rd year General Surgery Resident, February 1995.*

*Joseph Fugaro, MD, Jefferson Medical College 3rd year student, June-July 1995.*

*Donna Hargrove, PCOM 4th year student, October 1995.*

*Joseph Stella, DO, Suburban General Hospital, 3rd year General Surgery Resident, October 1995. 5th year April-May 1997.*

*Michael McCormack, PCOM 3<sup>rd</sup> Year student, April 27 – May 10, 1998.*

*Robin Katra, PCOM 4th year student, July - August 2000.*

*Richard Brue, PCOM, 1<sup>st</sup> year student. Shadow. November 24- 26, 2001.*

*Kim Kuchzinski, PCOM, 4<sup>th</sup> year student, Class of 2004. November - December 2002.*

*Uchenna Chukwa, Graduate Bio-Medical Program, Accepted PCOM Class 2007. June 2003.*

*Enoch Sanders, MD, Surgery Resident Graduate Hospital, Tenet Health System Philadelphia Feb- March 2004.*

*Paul Clark, PCOM 4<sup>th</sup> year student, April 12 – May 7, 2004.*

*Mark Ferlan, DO, 1<sup>st</sup> year resident, PCOM Consortium, September 2004.*

*Gabor Bagameri, MD, 2<sup>nd</sup> year surgery resident, Graduate Hospital, Tenet Health System, Philadelphia, August – September 2004.*

*Brad Fogel, BS, Clinical Research Lankenau Hospital Institute Medical Research, Medical School applicant, Fall 2007.*

*Tomer Pelleg, BS, Accepted PCOM Class of 2013 Spring 2009*

*Marissa Famularo, PCOM, 3<sup>rd</sup> year, October 2010*

*Kaela Frizzell, PCOM, 1<sup>st</sup> year, August 2011*

*Michael Mahoney, DO PGYIII Mercy Suburban Hospital, September 2012*

Partnership with Drexel University School of Biomedical Engineering Graduate Student rotation

Didactic session and case observation with a focus to help evaluate, test, and implement emergent technology.

Clinical clerkship that acclimates them to Lankenau and leverages their unique problem-solving approach to address our specific challenges; rotation in the areas of Infection Prevention, Infectious Disease, Radiology, Robotic assisted Cardiac Surgery, Invasive Cardiology, Pulmonary Medicine, Informatics, and Administration.

July 2008 – June 2011

Jan 2010 – Current

Partnership with St Joseph's University Pre-Med Majors  
Didactic session and case observation, and participation with clinical research

**MEMBERSHIPS in PROFESSIONAL and SCIENTIFIC SOCIETIES: National Societies**

1983 – 2001	American College of Cardiology <b><u>Fellow</u></b> , 1989 (F.A.C.C.)
1983 – Present	American Osteopathic Association, # 034693
1983 – Present	<b>American College of Osteopathic Surgeons</b> , #10143 <i>Life Member Candidate</i> , 1983-1987, <i>Member</i> , 1988 <b><u>Fellow</u></b> , 1994 (F.A.C.O.S.) <i>Member</i> , Awards Committee; 1991-1995 (Duties included: Review of residents' manuscripts for Scientific Achievement Award.) <i>Treasurer</i> , Thoracic and Cardiovascular Division; 1993-1995 <i>Chairman</i> , Thoracic and Cardiovascular Division; 1996-1997 <b>Board of Governors</b> , 1998-2002
1985 – Present	American College of Surgeons #03009782 <b><u>Fellow</u></b> , 1991 (F.A.C.S.)
1986 – 2000	American Medical Association
1989 – Present	The Society of Thoracic Surgeons, #107654 Thoracic Surgery Foundation – <i>Lifetime Member</i>
1989 - 1995	International Society for Heart and Lung Transplantation
1989 – 2001	American College of Chest Physicians <b><u>Fellow</u></b> , 1989 (F.A.C.P.)
1989 – 2001	North American Society of Pacing and Electrophysiology
1989 - Present	American Heart Association
1994 – 1999	American Association of Clinical Anatomists
July 2005 – June 2006 October 2005 – June 2006	<b>National Quality Forum</b> <i>Member</i> , Consensus Standards Maintenance Committee, Cardiovascular
October 2010 – Present	Robotic Revascularization Society Founding Board Member Membership Chair

**Local Societies**

1986 – Present	Pennsylvania Osteopathic Medical Association #34693
1991-Present	<i>Member</i> , Committee on Surgery: Thoracic / Cardiovascular Surgery <i>Co-Chairman</i> , Cardiovascular Surgery Subcommittee; 1995-1998 <i>Co-Chairman</i> , Thoracic Surgery Subcommittee; 1995-1999

- 1989 – Present                     **Pennsylvania Association for Thoracic Surgery**  
*Member, Program Committee 1991-1994  
Chairman, Program Committee 1992-1994  
Member, Council 1994-1995,  
Member, Editorial Board 1993-1995*
- 1989 – Present                     **Pennsylvania Association for Thoracic Surgery**  
*Secretary, 1995-1999  
Vice President, 1999-2000  
President, 2000-2001  
Senior Council, 2002– 2005  
Director of Governmental Affairs, 2002 –2008*
- 1989 – Sep 2006                    Pennsylvania Medical Society, Montgomery County
- 1992 – Present                    Philadelphia Academy of Surgery  
**Fellow**, 1992
- 1998 - Present                    Delaware Valley STS Quality Improvement Initiative  
  Incorporated June 11, 2001  
**President**, 2008 - 2010  
**Surgeon Lead** - STS Regional Database Activities Contact  
*Founding Member 1998*
- 2000-2001                         Southeastern Chapter American Heart Association  
2001-2002                         *Co-chair, Physician Recruitment Committee  
Chairman, Physician Recruitment Committee*
- 2010 – Present                    *Advisory Board, Pennsylvania Health Care Quality Alliance*

**EDITORIAL POSITIONS:**

- 1993-1995                         Editorial Board Member, Reviewer, Journal of Pennsylvania Association  
  for Thoracic Surgery
- 1997 – Present                    Guest Reviewer, Annals of Thoracic Surgery
- 2003 – Present                    Guest Reviewer, Journal of Thoracic & Cardiovascular Surgery

**ACADEMIC COMMITTEES**

- 1997-2002                         **American College of Osteopathic Surgeons, Alexandria, VA**  
*Co-Chairman & Representative, General & Subspecialty Surgery Residency  
Evaluations & Standards Committee*
- 1998 – 2002                       **American Osteopathic Board of Surgery**  
***Examiner, Oral Boards, Thoracic and Cardiovascular Surgery***
- 1998 -2002                       **American Osteopathic Association, Chicago, IL**  
***Council on Postdoctoral Training.***  
Review all Osteopathic Residency Programs

**ORGANIZING ROLES in SCIENTIFIC MEETINGS:**

- 1991-1994                         **Pennsylvania Association for Thoracic Surgery**  
*Member, Program Committee*
- 1992-1994                         *Chairman, Program Committee*
- 1995-1999                         *Secretary (Responsible for organizing & orchestrating annual conference program)*

- 2003-2004                    **Pennsylvania Association for Thoracic Surgery**  
**Steering Committee** –Telecast, Moderation and Discussion of 3 live simultaneous cardiac surgery cases; Minimally invasive mitral valve repair, Off –pump coronary artery bypass grafting, Aortic Root and valve replacement. Lankenau Hospital, October 8, 2004.
- 1997 – Present                Co-Chair, Bimonthly Surgical Site Improvement Committee, Lankenau
- 1998 – Present                **Delaware Valley STS Quality Improvement Initiative**  
Regional Effort Promoting Quality Care in Cardiac Surgery  
With 30 regional heart center programs participating  
Incorporated June 11, 2001
- Feb 2008- Present            **Surgeon Lead - STS Regional Activities Contact**  
**Founding Member**  
**President**  
*Steering Committee – organizes for 3 meetings annually*
- 1998 – Present                Process Standardization for all cardiothoracic surgeons,  
Main Line Health System hospitals, weekly
- July 2001 – Present            Director, Cardiac Surgery Information Exchange Program,  
Lankenau Medical Center
- Jan 2002 - Present            Clinical Effectiveness Quality Initiative, Main Line Health  
Chief, Quality Officer, Cardiac Surgery
- August 10-11, 2001            **COR CURRICULUM** Program, Guidant Corporation.  
*Comprehensive OP-CAB Training.*  
**Live Case Demonstration Video-Tele conference and Discussion**  
**Lankenau Hospital**, Wynnewood, PA,  
*Co-Director.* PANEL: L Aklog MD, Brigham and Women’s Hospital of Boston, J Sabik MD, Cleveland Clinic Foundation
- November 29 – December 2, 2001            **COR CURRICULUM** Program, Guidant Corporation.  
*Comprehensive OP-CAB Training.*  
*Co-Director.* Loew’s Conference Center, Miami Beach, FL.  
PANEL: M Connolly, L Aklog, FP Sutter, I. Jacobowitz, F Seifert
- March 15-17, 2002            *Co-Director.* Round Table Discussion, Stowe, VT  
March 1-3, 2002                *Co-Director.* Hilton Head, SC.
- 2004 -2004                    **The Surgical Theater, Franklin Institute, Philadelphia, PA**  
Panel, Contributor, Collaborator, “The Surgical Theater” An interactive authentic hospital surgical area, donated by Lankenau Hospital, includes a “patient” with an implanted video of an actual OP-CAB beating heart bypass operation. An OR setting adjacent to the historic walk through “Giant Heart at Franklin Institute, Philadelphia, PA *Supported by a Science Education Partnership Award (SEPA) from the National Center of Research Resources (NCRR, Dept of Health and Human Services - NIH and Merck*

July 2001 – Present

**Director, Beating Heart Cardiac Information Exchange Program, Lankenau Medical Center**

Center of Excellence Program with Live OR case telecast, moderating & discussion of beating heart surgery, followed by didactic sessions. Held 7 times annually, Hosting 1 - 2 surgeons, their anesthesiologist and heart team representatives, including administration. Also, open to ALL employees of Main Line Health System. Supported by Maquet Cardiovascular, Inc. *Patient Care Pathways & Team Processes for Off-Pump Coronary Revascularization.*

Visiting Teams include:

**Alabama** - Huntsville Medical Center, S. Riley MD, S. Turney MD, T.B. Washburn MD

**California** - Bakersfield Heart Hospital, R. Abraham MD, Mount Diablo Medical Center, Concord, D. Lindsey MD, Chula Vista Medical Center, P. Villamin, MD, St. Joseph's Medical Center, Stockton, J Morrissey, MD, B Stump, MD

**Connecticut** - Hartford Hospital, R. Gallagher MD, P. Meeks MD, B. Vogl, MD

**Delaware** – Christiana Hospital, R. Blackwell MD, H. Nguyen, MD

**Florida** - Tallahassee Memorial Regional Medical Center, H. Rosenblum MD, A. Jawde MD, J. Oneil MD, J. Hurt MD, D. Saint MD, B. Sell MD Memorial Hospital Jacksonville, C. Cousar MD, G. Martin MD, T. Wingard MD, Mercy Hospital, Miami, C. Matos MD, Mayo Clinic, Jacksonville & St Luke's Hospital, Jacksonville D. Odell MD, S. Finck MD, R. Agnew MD, C. Crawford MD, Delray Community Hospital, Delray, J. Newman MD, D. Keusch MD, Largo Medical Center and Heart Center, Clearwater, G. Dworkin MD. South Florida Heart & Lung Institute, RJ Segurola, Jr., MD. Holmes Regional Hospital, Matthew Campbell, MD, Mario Camps, MD.

**Georgia** - Northeast Georgia Medical Center, Atlanta, A. Justicz MD

**Iowa** - Mercy Hospital Medical Center, Des Moines, D. Hockmuth MD

**Illinois** - Sherman Hospital, Elgin T. James MD, C. Joong MD, C. Steimle, MD

**Kentucky** - Hardin Memorial Hospital, Elizabethtown, D. Kuo MD, Kings Daughters Medical Center, Ashland, L. Briggs MD, Pikeville United Methodist Hospital, Pikeville, D. Hursh MD

**Maryland** - St Joseph's Medical Center, Towson, S. Finney MD, K. Stierer MD

**Massachusetts** –Boston Medical Center, Boston, Robert Poston, MD

**North Carolina** - Duke University Hospital Medical Center, Durham, D. Davis MD, T. Smith MD, F Clements MD, Durham Regional Hospital, Durham T. Marsicano MD, D. Bacon MD

**North Dakota** - Merit Care Medical Group, Fargo, M. McAffe MD

**Nevada** - University Medical Center, Las Vegas D. Marvoidis MD, K. Arcotta MD, J. Smith MD

**New Jersey** - Atlantic City Medical Center, Atlantic City, H. Axelrod, MD, J. Dralle MD, S. Hernberg MD, L. Berges MD, S. Daly, MD, Jersey Shore Memorial MC, Ocean County, B. DeJene MD,

**New York** – Buffalo NY Paul Lee, MD

**Pennsylvania** - Harrisburg Hospital, Harrisburg, C. Wisman MD, C. McCarty MD, Mark Osevala, DO, John Pennock, MD, Vincent Park, MD, Bradley Levin, MD, John Mathai, MD, Mark Harmon, MD, D. Durbeck, MD, Bon Secours Hospital, Altoona J. Watson MD, C. Wright MD, Paoli Hospital, Paoli, A Martella, MD, Reading Hospital, Reading R. Nutting MD, F. Lough MD, R. Rodriguez MD, D. Bhasker MD, B. Batchelder MD, Wilkes Barre General Hospital, J. Stella DO.



- July 2001 – Present. *Penn State Milton S Hershey Medical Center, Hershey, W. Pae MD, M Lazar MD, T. Stephenson MD, S. Longo MD, J. Hoover MD F. Gutierrez MD, UMPC Lee Regional Hospital. Johnstown, S. Keeley MD, R. Seifert MD, G. Strindberg MD, Westmoreland Regional Hospital, Greensburg, J. Cardone, MD, Mercy Scranton, Scranton, R. Bernstein MD, DuBois Hospital, DuBois S. Fall, MD, Norman Hetzler, MD, Javid Malik, MD. Mercy Scranton, Kenneth Wilcox, MD. Pocono Medical Center, Stroudsburg, Anne T Cahill, MD, Anthony Nostro, MD, York Hospital, York Larry Shears, MD. Lancaster General Hospital, Jeffrey Cope, MD. Community Medical Center, Scranton, Joseph Stivala, MD, South Carolina - Greenville Memorial Hospital, Greenville, D. Appleby MD, F. Fazzalari MD, St Francis Hospital, Greenville, C. Anderson MD, Palmetto-Richland Memorial Hospital, Columbia, R. Tribble MD Tennessee - Methodist Hospital, Memphis, J. Takari, IV, MD West Virginia - St Mary's Hospital, Huntington, J. George MD, G. Shy MD*
- October 2003 Surgical Site Improvement, Quality Initiative  
Regional Medication Safety 2003 Award, Delaware Valley Healthcare Council
- March 2006 **Intuitive Surgical, Inc. DaVinci Surgical System.**  
**Proctor:** Christine McCarty, MD Pinnacle Health, Harrisburg, PA
- March 2006 - Present **Intuitive Surgical, Inc. DaVinci Surgical System.**  
**Didactic presentations, Surgeon and OR team participation with interventional cardiologists' perspective followed by Case Observation.**  
Hosting teams from across the nation 1:1 surgical teams  
**Delaware** Paul Davies, MD, St. Francis Hospital, Wilmington  
**Alabama** John Streitman, MD, Alabama Medical Center, & Flowers Medical Center Dothan AL  
**California** Elaine Tseng, MD, UCSF Medical Center, San Francisco. T. Sloan Guy, MD, Univ of California, San Francisco & San Francisco VA Med Ctr  
**Colorado** Fernando Lamounier, MD, Heart Center of the Rockies, Loveland.  
**Connecticut** Al DiMeo, MD, St Vincent's Medical Center, Bridgeport.  
**Florida** Wayne Lipson, MD Miami Baptist. Clifton Lewis, Sarasota. Harry M Rosenblum, MD, Tallahassee Heart Surgery, Tallahassee. Andre's Medina, MD, University of Miami, Kristopher George. MD, Patrick Mathias, MD Kissimmee. Arthur Katz, MD Palm Beach Gardens, Tenet Health System, Palm Beach. Marcos Nores, MD, Arvind Kapila, MD JFK Medical Center, HCAHealthcare, Atlantis, FL  
**Georgia** Averel Snyder, MD, Steven Macheers, MD, St Joseph's Hospital, Atlanta  
**Illinois** Keith Bowersox, MD Arlington. Ronald Curran, MD Swedish Hospital, Northwestern University Chicago  
**Kentucky** Michael Sekela, MD St Joseph Hospital, Lexington  
**Louisiana** John D Pigott, MD, Tulane University Med Ctr. New Orleans  
**Maryland** Robert Poston, MD Univ of Maryland MC, Baltimore. Atiq Rehman, MD, University of Maryland. Alex Na, MD. St Joseph's Hospital, Towson  
**Michigan** Divyakant Gandhi, MD, Ingham Regional Med Ctr, Lansing. Sanjay Batra, MD, Fouad Azoury, MD. St John Providence Health System, Detroit.  
**New Jersey** Christopher Magovern, MD Morristown Memorial Hospital. Kouroush Asgarian, MD Peter Praeger, MD Hackensack Med Ctr. Pasquale Luciano, DO Our Lady of Lourdes Med Ctr, Camden. Mark Connolly, MD St Joseph's Regional Medical Center, Paterson, NJ.

March 2006 - Present

**New York** Frank C Seifert, MD, *SUNY HSC at Stony Brook*. Zdandong Zhou, MD, *St. Joseph Medical Center, Syracuse*. Robert Lancey, MD *Mary Imogene Bassett Hospital, Cooperstown*. Fred Joyce, MD *Mohawk Valley Heart Institute, Utica NY*. Iosif Gulkarov, *New York Methodist Hospital, Brooklyn*. Harry Depan, MD Gus Delago, MD. Farhan Shak, MD *Albany Medical Center, Albany*

**Ohio** William Rachwal, MD *The Toledo Hospital*. Aqeel Sandhu, MD, *Canton*.

**Pennsylvania** Paul Addonizio, MD, Mauricio Garrido, MD *Abington Memorial Hospital, Abington*. Christine McCarty, MD *Harrisburg Hospital*. Kevin Casey, MD, Lear von Koch, MD *Mercy Hospital, Scranton*. Ron D. Nutting, MD, *The Reading Hospital and Medical Center*. Alvise Bernabei, MD, *Lancaster Regional Medical Center*, Edward Woods, MD, *Geisinger Medical Center, Danville*. Juan B. Grau, MD, William H. Mattai, Jr., MD, *Presbyterian Hospital, Univ of PA Health System*. Raman Ravishankar, MBBS, FRCSC *Crozer Chester Med Ctr, Upland*. W. Pae MD, M Lazar MD *Penn State Milton S Hershey Medical Center, Hershey*, Robert Wenger, MD, *Chamoun, MD Brandywine Hospital, UPHS*, Jeffrey Cope, MD *Lancaster General*. Larry Shears, MD, *York*. David Haybron, MD, *The Reading Hospital, Reading*. H. Haupt, MD, *Phoenixville*. Rohinton Morris, MD, *Abington Memorial Hospital, Abington*. Ken Wilcox, MD, *Mercy Scranton*. Raman Ravishankar, MD, *Crozer Chester Medical Center, Crozer, PA*

**Vermont** Joseph Schmoker, MD, Bruce Leavitt, MD Matthew Watkins, MD *University of Vermont Fletcher Allen Healthcare System, Burlington*

**Tennessee** Thomas Pollard, MD *East Tennessee CV, Knoxville*. Mark Tedder, MD, George Scoville, *St Thomas Hospital, Nashville*. Seenu Reddy, MD, MBA, *Centennial Medical Center, Nashville*.

**Texas** Renata Bastos, MD, *Univ of Texas Health Science Center/V.A. San Antonio*. Charles Reiter, MD, *Scott & White in Temple* James Knight, MD *San Antonio*. Mahesh Ramchandani, MD, *Methodist DeBakey Heart Institute, Houston*.

**Virginia** Dr. Dipin Gupta HCA HealthCare,

**West Virginia** Drs. Chowdhury & Elhamdani *St. Mary's Medical Center, Huntington*

**Australia** Michael Wilson, MD, Michael Vallely. *Royal Price Alfred, Macquarie University Hospital, Sydney*

**China** Wang Huishan, MD *Shenyang Beifang Hospital, Shenyang, Liaoning*. Qinyi Zhang, MD, *Beijing Anzhen Hospital, Beijing*

**Mexico** Fernando Ramírez Godínez, MD, Efraín García Negrete, MD, Blanca Galván Garza, MD *Hospital Puerta de Hierro, Guadalajara, Jal. Mexico*

February 2008

***Surgical Care Improvement Program SCIP***

***Faculty:*** W Lewis, FP Sutter, N Carp, S Landmesser

The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. February 4, 2008.

March 2008

**Inspiration and Initiatives to Reduce Medical Errors. Patient Safety / Risk Management Symposium.** Preventing Serious Events. Blood Conservation & Management; Stricter Glucose Control; DVT Prevention; Changing Culture Path to Surgical Site Improvement. Implications on your Pocket and our Patients. ***Program Directors:*** FP Sutter, B Mann, MA Wertan, D Tavani, D Cohen  
Invited Guest Speaker: Mark Michelman, MD. The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. March 8, 2008.

- October 28 – 30, 2010      **2010 Advances in Robotic and Hybrid Coronary Revascularization Conference** Jointly sponsored by St Joseph’s Hospital, Atlanta, GA  
Clinical Pathways for Robotic Revascularization / Hybrid Revascularization Strategies / Robotic Assisted Thoracotomy Approaches / Single and Multivessel Totally Endoscopic Coronary Artery / Bypass (TECAB) with or without CPB / Tips, Tricks, and Troubleshooting, at the *W Hotel Midtown Atlanta*.  
**Program Directors:** Sudhir P. Srivastava, MD, Johannes Bonatti, MD, FETCS, Francis P. Sutter, DO, FACS, Husam Balkhy, MD, Spencer B. King, III, MD, MACC
- November 2008      **Improving Patient Safety: The Critical Role of Culture and Communication**  
Sacked! When Hand-Offs go Wrong; Culture Eats Strategy for Lunch: the Critical Element of Preventing Medical Errors  
**Program Directors:** **FP Sutter**, MA Wertan, W Surkis, B Mann  
Invited Guest Speaker: Robert M Watcher, MD. The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. November 1, 2008.
- March 24-25, 2011      **Advanced Revascularization Techniques & Technology. Robotic Assisted Technique and Staged Hybrid Revascularization.** *Regina McGinn, MD Education Center. Staten Island University Hospital, Staten Island, NY*  
**Faculty Members:** J McGinn, S Hoff, B Maini, M Ruel, **F Sutter**, M Ramchandani. Medtronic, Inc. Supported Educational Program.
- February 2012 - Present      **Medtronic, Inc. Minimally Invasive Robotic Assisted Beating Heart Coronary Artery Bypass. Didactic presentations, Surgeon and OR team participation with interventional cardiologists’ perspective followed by Case Observation.** Hosting teams from across the nation 1:1 surgical teams  
*Texas* Tung Cai, MD Lei Chi, MD *Denton, TX*
- May 30, 2012      **Cardiac Masters Day Program: Robotic Revascularization Course**  
Chair: Husam Bahlky, MD. Course Faculty Member: **FP Sutter**  
International Society for Minimally Invasive Cardiothoracic Surgery

**AWARDS, HONORS, and MEMBERSHIP IN HONORARY SOCIETIES:**

*Full athletic scholarship, LaSalle College, 1968-1972*  
*Captain, Track Team, LaSalle College, 1970-1972*  
*Class Treasurer, LaSalle College, 1971-1972*  
*Certificate of Achievement, Borough of Avalon, New Jersey, 1971*  
*Honorable Mention, Internal Medicine, PCOM, 1976*  
*National Association of Amateur Oarsmen, 1974-Present*  
*Olympic Rowing Trials (Finals), 1976*  
*National Double Sculling Champion, 1977 Invitation to U.S. Rowing Team for World Championships (Declined), 1977*  
*Malta Boat Club, Philadelphia, PA, 1974-Present*  
*National Masters Rowing Champion (Single Sculls), 1985*  
*Philadelphia Country Club, 1986-Present*  
*Hall of Fame, Cardinal O’Hara High School, Inducted 1998*  
*FISA Masters’ World Rowing, Men’s Double, Gold medalist, Sept. 2006*  
*Distinguished Physician, LaSalle University Holroyd Award Recipient, Nov. 2006*

**LECTURES by INVITATION**

*Stroke Reduction Using No Cross Clamp Technique with Atherosclerotic Aortas.* The Pennsylvania Association for Thoracic Surgery, Longboat Key, FL, September 22-25, 1994.

*Coronary Sinus Cardioplegia: Indications, Considerations, and Complications.* 67<sup>th</sup> Annual Clinical Assembly of Osteopathic Specialists, Washington, D.C., September 24-27, 1994.

*Preoperative Renal Insufficiency in the Cardiac Patient.* Scientific Program, Philadelphia Academy of Surgery, Philadelphia, PA, November 7, 1994.

*Ramifications of Serum Creatinine Abnormalities.* The Pennsylvania Association for Thoracic Surgery, Philadelphia, PA. September 15-17, 1995.

*Stroke Reduction Using No Cross Clamp Technique with Atherosclerotic Ascending Aortas During Coronary Bypass Surgery.* Scientific Program, Philadelphia Academy of Surgery, Philadelphia, PA. November 6, 1995.

*Surgical Considerations in Cardiac Valvular and Coronary Artery Disease.* Philadelphia College of Osteopathic Medicine; Founders Day/Alumni Weekend, Philadelphia, PA. January 26-27, 1996.

*Coronary Bypass Using Bilateral Internal Mammary Arteries (BMA) -* The Pennsylvania Association for Thoracic Surgery, 34<sup>th</sup> Annual Meeting. Nemaocolin Woods, Farmington, PA September 20, 1996.

*Coronary Artery Surgery in the Elderly: Does the Pain Justify the Gain? -* Panel Discussion. Saunders House, Wynnewood, PA. February 13, 1997.

*Simultaneous Carotid Endarterectomy and Coronary Revascularization –* 35<sup>th</sup> Annual Meeting The Pennsylvania Association for Thoracic Surgery. Le Chateau Frontenac, Quebec, Canada. September 18-21, 1997.

*Tumor Necrosis Factor: A Predictor of Hospital Stay –* Quebec City, Quebec Canada. 35<sup>th</sup> Annual Meeting of The Pennsylvania Association for Thoracic Surgery. September 18 - 21, 1997.

*Minimally Invasive Cardiac Surgery.* 1997 Annual Clinical Assembly of Osteopathic Specialists, Atlanta, Georgia, September 20-23, 1997.

*Minimally Invasive Cardiac Surgery.* Lankenau Hospital Critical Care Symposium, Wynnewood, PA. September 12, 1997.

*Keep the Beat Cardiovascular Program.* The American College, Bryn Mawr, PA. November 15, 1997.

*Current Experience with the Toronto Stentless Porcine Valve –* Cancun, Mexico. American College of Chest Physician, December 10-13, 1997.

*Simultaneous Carotid Endarterectomy and Coronary Revascularization –* Conjoint Meeting Philadelphia Academy of Surgeons hosts New York Surgical Society. Union League, Philadelphia, PA March 18, 1998.

*A Debated Issue: Coronary Artery Bypass Grafting in Patients Who Require Long-term Dialysis.* The 36<sup>th</sup> Annual Meeting, Pennsylvania Association for Thoracic Surgery, Penn State Conference Center, Penn State, PA September 17-20, 1998.

*A Debated Issue: Coronary Artery Bypass Grafting in Patients Who Require Long-term Dialysis.* American College of Chest Physicians, 10th Annual Cardiac & General Thoracic Surgery Update. December 2 - 4, 1998.

*Regional Database for Quality Outcomes.* The 37<sup>th</sup> Annual Meeting Pennsylvania Association for Thoracic Surgery, September 16 - 19, 1999.

*Update on the Delaware Valley Society of Thoracic Surgeons: Quality Improvement Initiative.* 38<sup>th</sup> Annual Meeting Pennsylvania Association for Thoracic Surgery, October 4 - 8, 2000.

*On or Off? You Decide but We're Convinced.* 39<sup>th</sup> Annual Meeting The Pennsylvania Association for Thoracic Surgery. Sheraton Station Square, Pittsburgh, PA September 21 – 23, 2001.

*Coronary Artery Bypass Grafting "Then & Now"*

Medical Staff Meeting, Suburban General Hospital, Norristown, PA. December 4, 2001

Grand Rounds, Department of Medicine, The Lankenau Hospital, Wynnewood, PA. January 4, 2002.

Grand Rounds, Riddle Memorial Hospital, Media, PA. March 2, 2002.

Premiere Years, with live case videoconference, Jefferson Health System, March 19, 2002.

Networks 2002, Critical Care Challenges, The Lankenau Hospital, March 25, 2002.

Luncheon Lecture Series, Sidney H. Orr, Roxborough Memorial Hospital, March 26, 2002

*Coronary Artery Bypass Grafting "Then & Now – Medical Grand Rounds, Cardiology and Anesthesia Associates, Greer, SC.* May 2, 2002

8<sup>th</sup> Annual CTT. Cardiothoracic Techniques & Technologies Current Trends in Thoracic Surgery VIII. *The Authoritative Update on New Techniques & Technological Advances in Cardiovascular & Minimally Invasive Surgery* **Live Surgery Telecast with intra-operative discussion forum Case # 15 of 16 sites worldwide.** *OP-CAB using Guidant Xpose III Device & Vasoview Uniport Plus.* Via satellite from The Lankenau Hospital, Wynnewood, PA, USA CTT meeting, Miami Beach, FL, January 25, 2002.

*OP-CAB: Fast Track, Clinical Pathways and Benefits. Dinner Presentation Program for cardiac surgeons and anesthesiologists from Brigham & Women's Hospital, Harvard University, Boston, MA.* Host: Lawrence Cohen, MD. February 27, 2002.

*Off Pump Beating Heart Surgery, Technique, (John Pym, MD) Patient Care and Process Changes, (Francis P. Sutter, DO) Outcomes (James Hart, MD).* Panel Discussion. Delaware Valley Society of Thoracic Surgeons Quality Improvement Initiative. May 20, 2002.

*An Overview of Cardiothoracic Surgical Procedures Performed at Main Line Health Facilities: Valve Replacement, Off Pump Bypass and Transmyocardial Revascularization.* Grand Rounds, Paoli Memorial Hospital. May 29, 2002.

*Routine Use of "Apical Suction Device" for Off-Pump Coronary Bypass Decreases Morbidity and Mortality.* 40<sup>th</sup> Annual Meeting for Pennsylvania Association for Thoracic Surgery. October 17-20, 2002.

9<sup>th</sup> Annual CTT. Cardiothoracic Techniques & Technologies, Current Trends In Thoracic Surgery IX. Meeting, 2003 *The Authoritative Update on New Techniques & Technological Advances in Cardiovascular & Minimally Invasive Surgery. Expand Benefits of New Technological Advances in Off-Pump Cardiac Surgery with Clinical Quality Improvement Initiative.* Poster - Oral Presentation. March 20, 2003.

*"Optimizing Patient Management" Extracting the Full Benefit from OP-CAB.* Luncheon sponsored by Guidant. 9<sup>th</sup> Annual CTT Cardiothoracic Techniques & Technologies Meeting, Miami Beach, FL March 22, 2003.

*"Optimizing Patient Management" Extracting the Full Benefit from OP-CAB.* Guidant Corporation Mid-Atlantic Region, Territory Sales Meeting, Raleigh, NC, April 16 – 17, 2003.

*Coronary Artery Bypass Surgery Then & Now, OP-CRES Patient Management Surgical Grand Rounds Baylor University, Roberts Hospital, Dallas, TX.* April 30, 2003.

*Off-Pump CABG – Lessons to Date.* Annual Clinical Assembly of Osteopathic Surgeons. Chicago, IL. September 18, 2003.

*Off Pump Cardiac Information Exchange Program “Extracting the Full Benefit from OP-CAB. Team Approach to Beating Heart Surgery.”* Baylor University, Roberts Hospital, Dallas, TX. Host: Richard Wood, MD. September 25 – 26, 2003.

*Delaware Valley STS Quality Improvement Initiative – Incorporation. Team Focus- Stroke Reduction in CAB population.* 41<sup>st</sup> Annual Meeting. Pennsylvania Association for Thoracic Surgery. Geisinger Medical Center. October 4, 2003.

*Challenges for Cardiac Surgery Patients – Surgery Options & Benefits.* Unveiling of Lankenau Specific Patient Education Video “Guiding You through Heart Surgery to Better Health” The McLean Contributionship Foundation. October 21, 2003.

*Roundtable Discussion: Changes in Cardiac Surgery: What New Surgeons Can Expect? Panel Member.* December 6, 2003.  
*Tailoring Patient Care Pathways to Extract Maximum Benefits of OPCAB. Cardiac Surgery Fellows Program.* December 7, 2003. Tucson, AZ. Sponsor: Guidant Corporation.

*Panel Discussion: Aortic Connector Devices: Enclose, Heartstrings, Symmetry.* Annual Physician Assistant Cardiovascular Surgery Meeting. La Mansion Del Rio Hotel, San Antonio, TX. January 24, 2004.

*Asepsis in Cardiothoracic Surgery: Preventing Infections.* Annual Physician Assistant Cardiovascular Surgery Meeting. La Mansion Del Rio Hotel, San Antonio, TX. January 24, 2004.

*Cardiac Surgery Outcomes.* Third Annual Cardiovascular Seminar. Sun Health Heart Center at Boswell Memorial Hospital, Sun City, AZ. February 21, 2004.

*Rising to the Occasion: What’s the Future for Open Heart Surgery?* Keynote Speaker. The Corazon Conference, A View from the Top: Success Strategies that work in CV Services. Pittsburgh, PA May 5-6, 2004.

*Update: Off Pump Coronary Artery Bypass (OP-CAB) Surgery. SYNERGY Influences Outcomes.* PA Association for Thoracic Surgery, Philadelphia, PA, October 8-10, 2004.

*Journey to Change, Quality Improvement Initiative -- Hastens Recovery, Leads to Early Extubation, Quicker Mobilization & Improves Patient Outcomes.* Cardiac Surgery “Best Practice” Exchange Program- Site Visit, Presentation, Proctoring 3 OP-CAB cases, St Joseph’s Medical Center, Catholic Health West, Stockton, CA. April 6 – 8, 2005.

*Expanding Horizons: Innovative Approaches to Cardiac Surgery. Outcomes After Usage of a Quality Initiative Program for Off-Pump Coronary Artery Bypass Surgery: Comparison with On-Pump Surgery.* San Francisco Maritime Museum. American Association for Thoracic Surgery Meeting Sponsors: Scios, CardioVations, Ethicon, JNJ. April 10, 2005.

*Building Synergy: Key Lessons for Successful OP-CAB, Summit for Cardiac Surgeons, Common Ground: Forging Partnerships to Advance Cardiovascular Care, Institute for Therapy Advancement - North America, St Paul, MN.* April 28 – 29, 2005.

*Benefits of Minimally Invasive Surgery, Future of Cardiac Surgery. Patient Educational Presentation.* Test Drive the future of surgery – Get behind the controls; the DaVinci Surgical System. Wilmington Sheraton, Wilmington, DE. June 15, 2005.

*Coronary Artery Bypass Considerations: OP-CAB, the Surgeon, The Process, Promoting Quality.* New Horizons in Cardiovascular Health. Sponsored jointly Center for Cardiovascular Health at Johnson City Medical Center and East Tennessee State University. Grove Park Inn and Resort. Asheville, NC. September 23, 2005.

*OR Extubation Improves Patient Outcomes.* PA Association for Thoracic Surgery 43<sup>rd</sup> Annual Meeting. Elbow Beach Resort, Bermuda. September 29, 2005.

*Cardiac Surgery using the daVinci Intuitive Surgical System. Minimally Invasive Mitral Valve and Future of Coronary Revascularization.* Division of Cardiology and Surgery, Division of Cardiothoracic Surgery and Administration. Grand Rounds Harrisburg Hospital, Pinnacle Health System. Tavern on the Hill, Enola, PA. January 17, 2006.

*Cardiac Surgery – Past, Present and Future.* Bryn Mawr Rotary Club, Guard House, Gladwyne, PA. February 6, 2006.

*Surgical Options for Left Atrial Appendage Exclusion and Cure of Atrial Fibrillation.* Atrial Fibrillation Symposium. Clinical Approach to the Patient in Atrial Fibrillation in 2006. Annenberg Auditorium, April 26, 2006.

*Robotic Coronary Revascularization.* Intuitive Surgical, Inc. Booth presentation. 86<sup>th</sup> Annual Meeting of American Association for Thoracic Surgery. Pennsylvania Convention Center, Philadelphia, PA May 1, 2006.

*The Future is Now; Robotic Cardiac Surgery.* 11<sup>th</sup> Annual Cardiovascular Symposium, Hilton Harrisburg & Towers, Harrisburg, PA. May 19, 2006.

*Advances in Cardiac Surgery, Robotic Cardiac Surgery & Quality Patient Outcomes.* 2007 John D Lankenau Society Celebration. The Walter and Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. April 25, 2007.

*Advances in Cardiac Surgery: A New Frontier in Coronary Revascularization – Collaborative Treatment of Coronary Artery Disease.* The Pyramid Club, Philadelphia, PA. April 26, 2007. Supported by Intuitive Surgical, Inc.

*Advances in Cardiac Surgery: A New Frontier in Coronary Revascularization – Collaborative Treatment of Coronary Artery Disease* Medical Grand Rounds. Abington Memorial Hospital, May 9, 2007.

*Advances in Cardiac Surgery: A New Frontier in Coronary Revascularization – Collaborative Treatment of Coronary Artery Disease.* The Langham Hotel, Boston, PA. June 19, 2007.

*Cardiac Surgery: On the Shoulders of Giants. A Tribute to George Haupt, MD.* Lankenau Legacies. John D Lankenau Room, Lankenau Hospital. April 27, 2007.

*2007 What's New? Robotic Assisted Surgery at The Lankenau Hospital.* Main Line Health Heart Center Leadership Council. Board Room, The Lankenau Hospital, June 20, 2007.

*DaVinci lecture – Re-thinking Coronary Revascularization.* The Pennsylvania Association for Thoracic Surgery 45<sup>th</sup> Annual Meeting, Marriott Seaview Resort and Spa, Galloway, NJ. October 12 -14, 2007.

*Robotic Assisted Coronary Revascularization Small Anterior Thoracotomy.* Jefferson Health System Quality Affairs Committee. Radnor, PA. November 12, 2007.

*Medical Grand Rounds. Hybrid – Coronary Revascularization; Cardiac Surgeon and Cardiologist Collaborative Efforts, with Timothy Shapiro, MD Interventionalist.* Annenberg Conference Center, Annenberg Conference Center, Lankenau Hospital, Main Line Health, December 14, 2007

*Intraoperative Assessment of Flow Measurement Through a Limited Thoracotomy in Robotic Surgery.* Supported by Transonic, Inc. After Hours Event, Princess Lady, Fort Lauderdale, FL, January 26, 2008.

*Advancing Minimally Invasive Coronary Artery Bypass – Medtronic Focus Group. Invited presenters:* J McGinn, Staten Island University Hospital, New York, NY; R Ramchandani, Methodist Hospital, Houston, TX; M Caskey, Southwest Heart and Lung, Phoenix, AZ; R McManus, Columbia/St. Mary's Hospital, Milwaukee, WI; R Poston, University of MD, Baltimore, MD; S Hoff Vanderbilt University Hospital Nashville, TN; C McCarty, MD Harrisburg Hospital, Camp Hill, PA. Ruth's Chris Restaurant, Fort Lauderdale, FL. January 28, 2008.

*Patient Safety / Risk Management Symposium - Inspiration & Initiatives to Reduce Medical Errors. Recipes for Success: Preventing Serious Events:* Introduction FP Sutter, DO, FACS. *Blood Conservation & Management*, Richard K Spence, MD, *Stricter Glucose Control: An Order Template*, Deebianne M Tavani, DO, PhD, *Proper Prophylaxis to Prevent DVT*, David A Cohen, MD, *Changing Culture: Surgical Site Improvement*, Francis P Sutter, DO, FACS. *Implications on your Pocket and our Patients: Reducing Medical Errors*, Mark Michelman, MD MBA, Medical Director, Quality & Utilization Management, Physician Quality Advisor, Morton Plant Mease Health Care. The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. March 8, 2008

*Medical Grand Rounds. Hybrid CABG - daVinci Assisted Coronary Revascularization and PCI; Cardiac Surgeon and Cardiologist Collaborative Efforts, with Timothy Shapiro, MD Interventionalist.* Mercy Suburban Hospital, Catholic Health East. Norristown, PA. June 6, 2008.

*Clinical Outcomes with Minimal Exposure Robotically Assisted Direct Coronary Revascularization.* Concurrent Session #3, Revascularization Technologies. International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA, June 12, 2008.

*Cardiovascular Grand Rounds. daVinci Robotic Assisted Coronary Revascularization. Collaborative Treatment of Coronary Artery Disease - Hybrid CABG.* Montgomery Hospital, Norristown, PA June 24, 2008

*Advances in Robotic Cardiac Surgery – 3D and High Definition. A Journey in Time.* Main Line Health Heart Center, Friends of the Heart. St. Davids Golf Club. June 26, 2008

*Benefits of Building a Successful Robotic Program.* Mid-year Worldwide Intuitive Surgical, Inc. Sales Meeting. Gaylord National Resort & Convention Center. National Harbor, MD. July 10 – 11, 2008.

*Update: Off Pump Coronary Artery Bypass Grafting and Robotic Assisted Revascularization.* 2008 Annual Clinical Assembly of Osteopathic Specialists. Boca Raton Resort & Club, Boca Raton, FL. September 11-14, 2008.

*Cardiology Grand Rounds. Hybrid CABG - daVinci Assisted Coronary Revascularization; Collaborative Approach to Treatment of Coronary Artery Disease*

Main Line Health System. Paoli Hospital, Paoli, PA. October 21, 2008

Bryn Mawr Hospital, Bryn Mawr, PA. November 6, 2008

Riddle Memorial Hospital, Media, PA. December 5, 2008

*Chairman, Patient Safety / Risk Management Symposium - Improving Patient Safety: The Critical Role of Culture & Communication.* Overview, FP Sutter, DO, FACS. *Improving Patient Safety: The Critical Role of Culture & Communication*, Robert M Wachter, MD. *Sacked! When Hand-offs Go Wrong.* A Drama by Lankenau Thespians. *Culture Eats Strategy for Lunch: The Critical Element in Preventing Medical Errors.* Robert M Wachter, MD. Professor & Associate Chairman, Department of Medicine, University of CA, San Francisco. Author: *Internal Bleeding: The Truth Behind America's Terrifying Epidemic of Medical Mistakes, and Understanding Patient Safety.* The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. November 1, 2008

*Evolution of Coronary Artery Bypass Grafting. Coronary Revascularization – A Collaborative Approach to the Treatment of Multivessel Coronary Artery Disease.* Philadelphia College of Osteopathic Medicine, Surgery Club. November 20, 2008.

*An Overview Coronary Artery Bypass; the past and the present. Hybrid CABG - daVinci Assisted Coronary Revascularization: Collaborative Approach to Treatment of Coronary Artery Disease.* Penn State MBA Health Policy and Administration Program. Magiano's Italian Eatery, King of Prussia, PA October 26, 2009.

*Robotics in the 21<sup>st</sup> Century: from the Lab to the OR and BACK.* Sutter FP, DO, Ahn M, MD, Kuchenbecker, KJ, PhD, Skirkanich Assistant Professor, Mechanical Engineering, Univ PA. Interdisciplinary Basic Science Conference. Lankenau Hospital, February 23, 2010.



*Hybrid Revascularization: Increasing Volume and Improving Results. The Lankenau Medical Center 200 + Patient Experience.* Hybrid Cath Lab /OR Suite and 3D CV Theater. American College of Cardiology, ACC.10, Atlanta, GA. March 14, 2010.

*New approaches to Minimally Invasive Robotic Cardiac Surgery.* 2009 Spring National Student Osteopathic Surgery Association (SOSA) Convention. “The Cutting Edge of Surgery” Philadelphia College of Osteopathic Medicine. March 24, 2010.

*Coronary Revascularization – Hybrid Approach utilizing Robotic Assisted Minimally Invasive Surgery.* Cardiology Grand Rounds, Bryn Mawr Hospital. April 13, 2010

*Cardiac Surgery: State of the Art. Advances in Cardiac Surgery; Valves, Ventricular Assist Devices, Coronaries, Ablation Therapy.* Grand Rounds, Paoli Hospital, April 26, 2010

*What’s New in Coronary Surgery?* [CnAHA@CSC.WCC](mailto:CnAHA@CSC.WCC): New advances in cardiovascular disease therapy: a US perspective during the World Congress of Cardiology Scientific Sessions 2010. Chinese National Convention Center, Beijing China. June 16-19, 2010.

*Benefits of Robotic Assisted Minimally Invasive Surgery, Future of cardiac surgery; Coronary Artery Bypass Grafting.* Presentation followed by exhibit of innovative medical technologies hosted by House Committee on Oversight and Government Reform. Test drives the *da Vinci* surgical system, Intuitive Surgical, Inc allowing members of Congress and their staff to get a “hands-on” demonstration of the system and its capabilities. Presentation provided legislators with “first-hand” surgeon perspectives. Rayburn House Office Building Foyer, Washington DC. June 24, 2010

*Coronary Revascularization – Adopting New Technology.* Cardiology Grand Rounds VA Pittsburgh Healthcare System October 19, 2010. Surgical Grand Rounds University of Pittsburgh Medical Center October 20, 2010

*Robotically Assisted SVST and MVST: How do I do it? Session III*  
*Troubleshooting: SVST and MVST. Session VIII.*  
2010 Advances in Robotic and Hybrid Coronary Revascularization Conference, W Hotel Midtown Atlanta. Atlanta GA. October 28–30, 2010

*Coronary Artery Disease and the Evolution of Bypass Surgery.*  
Aging Gracefully Lecture Series,  
Wellness Center at Riddle Village, A Lifecare Community. January 4, 2011.  
Whitehorse Retirement Village Retirement Community. February 9, 2011.  
Maris Grove Retirement Village March 30, 2011

*Advanced Revascularization Techniques & Technology. Robotic Assisted Technique and Staged Hybrid Revascularization.* Faculty Members: J McGinn, S Hoff, B Maini, M Ruel, F Sutter, M Ramchandani. Medtronic, Inc. Supported Educational Program. Regina McGinn, MD Education Center. Staten Island University Hospital, Staten Island, NY. March 24-25, 2011

*New Modalities in Cardiothoracic Surgery.* Sutter FP, Goldman SM. Medical Grand Rounds, Riddle Hospital. April 29, 2011.

*Coronary Revascularization - Then and Now.* Reunion Weekend CME Seminars – Philadelphia College of Osteopathic Medicine. June 3, 2011

*Technique and Results for Robotic Assisted Left Internal Mammary Artery to LAD via 3.8 cm Incision – a 5+ Year Experience.* **FP Sutter**, MA Wertan, LD Zhang, FD Ferdinand, SM Goldman. 11<sup>th</sup> Annual Scientific Meeting, International Society for Minimally Invasive Cardiothoracic Surgery. The Mayflower Hotel. Washington DC. June 8 - 11, 2011.

Best Practices in Developing a Robotic-Assisted Cardiothoracic Surgery Program; a Luncheon Symposium.  
Program Chairs: W Randolph Chitwood, L Wiley Nifong, East Carolina University, Greenville, NC  
Faculty Presentations: W Randolph Chitwood, Commitment to Robotic Assisted Mitral Valve Surgery: Recommendations on How to Develop a Program. **FP Sutter** *Robotic Assisted Hybrid Revascularization: Why and How NOW?* Changqing Gao, Robotic Assisted Cardiac Surgery in China: Experience and Opportunity. Bernard Park, Robotic Assisted Pulmonary Resection Surgery: Expanded Capability and Improved Outcomes. Mark Dylewski, Robotic Assisted Lobectomy: Paradigm Shift over VATS? Mayflower Renaissance Hotel, Senate Room, Washington DC. Annual Scientific Meeting, International Society for Minimally Invasive Cardiothoracic Surgery. June 10, 2011

American College of Cardiovascular Administrators Healthcare Administrator's Symposium. Striking a New Balance. **FP Sutter**, RK Kramer *Technological Innovations: Advancing your Program and Market Share.* The Annenberg Center for Medical Education, Lankenau Medical Center. September 30, 2011.

Honored Guest: Dr Hu Dayi, President Chinese Society of Cardiology, Chief, Heart Center at Peking University People's Hospital, Beijing, China. *Evolution of Surgical and Percutaneous Intervention for the Treatment of Coronary Artery Disease.* **Sutter, FP** The Annenberg Center Auditorium, Lankenau Medical Center.

daVinci Closed Chest Revascularization, Endoscopic Coronary Artery Bypass and Hybrid Procedures. Supported by Intuitive Surgical, Inc. **FP Sutter**, TA Shapiro. New York Marriott Marquis Times Square, New York, NY. December 13, 2012.

Re-Evolution Summit III: Minimally Invasive Cardiac Surgery (MICS) Summit – the Ultimate Hands-On in Houston. Program Directors: Mahesh Ramchandani, MD Basel Ramlawi, MD Didactic Program: *Robotic Coronary Artery Bypass (Single Vessel)* **FP Sutter**. Wet Lab: *Skills Academy: The Hands* **FP Sutter**. The Methodist Hospital System. Houston, TX. March 8-10, 2012.

Cardiovascular Update 2012 / Innovative & Promising Therapies. *Minimally Invasive / Robotic Surgery. Recent advances in minimally invasive treatment of patients with coronary artery disease.* **FP Sutter**, TA Shapiro. Hyatt Regency Philadelphia at Penn's Landing. March 19, 2012.

*Advanced Minimally Invasive Robotic Coronary Artery Revascularization.* Grand Rounds, The Reading Hospital and Medical Center; Department of Surgery, Section of Cardiothoracic Surgery. April 10, 2012.

*Robotic Assisted Coronary Revascularization.* Roundtable Discussion. Grand Rounds. St Vincent's Medical Center, Bridgeport, CT. April 15-16, 2012

*Robotic Assisted Coronary Revascularization: How I Do It.* **FP Sutter** Cardiac Masters Day Program: Robotic Revascularization Course, International Society for Minimally Invasive Cardiothoracic Surgery May 30, 2012

*Hybrid Coronary Revascularization: A Game Changer* **Sutter FP**, Wertan MA, Shapiro TA, Reynolds JL, Luong A, Zhang L, Cardiac Track, International Society for Minimally Invasive Cardiothoracic Surgery, May 31, 2012.

*Evolution of Coronary Revascularization Techniques & Technology. Robotic Assisted Technique and Staged Hybrid Approach for the Treatment of Coronary Artery Disease.* Greater Philadelphia Chinese Origin Physician Group. Margaret Kuo Restaurant, Wayne, PA. July 27, 2012.

*Evolution of Coronary Artery Bypass and Advanced Minimally Invasive Techniques for Robotic Assisted and Totally Endoscopic Coronary Artery Revascularization.* Medical Grand Rounds, Roxborough Memorial Hospital. Philadelphia, PA. October 16, 2012.

*Robotic Assisted Coronary Revascularization.* XV Annual Cardiology National Congress, Fairmont Princess Hotel, Acapulco, Guerrero, Mexico. December 6, 2012.

*The Lankenau Technique for Robotic-Assisted OPCAB.* STS U Course 3: Hybrid Revascularization. 49<sup>th</sup> Annual Meeting Society of Thoracic Surgeons, JW Marriott at LA Live, Los Angeles, CA. January 30<sup>th</sup>, 2013.

Table Instructor #1, STS U Course 3: Hybrid Revascularization. 49<sup>th</sup> Annual Meeting Society of Thoracic Surgeons, JW Marriott at LA Live, Los Angeles, CA. January 30<sup>th</sup>, 2013.

#### **BIBLIOGRAPHY:**

##### **Research Publications, peer-reviewed**

1. LaManna M, Lumia FJ, **Sutter FP**, Mezc ET, Murphy DF, Maranhao V. Mediastinal thyroid tissue within a lung tumor. *Journal of Nuclear Medicine Technology* 1988; 16:187
2. Brdlik O, Laub GW, Fernandez J, Morse D, **Sutter FP**, McGrath LB. Aortic valve disruption after percutaneous aortic balloon valvuloplasty. *Annals of Thoracic Surgery* 1990; 49:822-823
3. **Sutter FP**, Goldman SM, Werthman PE, Moghadam AN. Circumflex artery ventricular fistula and pseudoaneurysm after mitral reoperation. *Annals of Thoracic Surgery* 1990; 50:826-827
4. **Sutter FP**, Goldman SM, Clancy M, Mitchell JM, Garwood AP, King S, Gallagher JF. Continuous retrograde blood cardioplegia. *Annals of Thoracic Surgery* 1991; 51:136-137
5. Werthman PE, **Sutter FP**, Flicker S, Goldman SM. Spontaneous late rupture of an aortocoronary saphenous vein graft. *Annals of Thoracic Surgery* 1991; 53:664-666.
6. **Sutter FP**, Joyce DH, Bailey BM, Laub GW, Fernandez J, Pollock SB, Adkins MS, McGrath LB. Events associated with rupture of intra-aortic balloon counterpulsation devices. *ASAIO Transactions* 1991; 37:38-40
7. Weiss SJ, **Sutter FP**, Shannon TO, Goldman SM. Combined cardiac surgery and carotid endarterectomy during aortic cross clamping. *Annals of Thoracic Surgery* 1992; 53:813-816
8. Solomon L, **Sutter FP**, Goldman SM, Mitchell JM, Casey K. Augmented femoral venous return. *Annals of Thoracic Surgery* 1993; 55:1262-1263
9. **Sutter FP**, Goldman SM. Prevention of retrograde cardioplegia catheter displacement. *Annals of Thoracic Surgery* 1993; 56:985
10. Duda AM, Goldman SM, **Sutter SP**. Simple way to improve right ventricular flow distribution during continuous retrograde cardioplegia. *Ann Thorac Surg* 1993;56 (2); 402.
11. Nielson DH, **Sutter FP**, Goldman SM. Use of venous fistula technique for intraoperative cardiac hemorrhage. *Journal of Cardiac Surgery* 1993; 8:558-561
12. Hargrove DA, **Sutter FP**, Greene CH. The effect of cardiopulmonary bypass on the levels of 2, 3-Diphosphoglycerate in the red cell. *The Journal of the American Osteopathic Association (JAOA)* 1994; 94(9): 762
13. **Sutter FP**, Nielson DH, Goldman SM, Mitchell JM, Garwood AP, King S, Gallagher JF, Clancy M. Right ventricular protection with coronary sinus retrograde cardioplegia. *Clinical Anatomy* 1994; 7:257-262
14. Duda AM, Letwin LB, **Sutter FP**, Goldman SM. Does use of aortic ultrasound decrease stroke rate in coronary artery bypass grafting? Material presented at The Joint Annual Meeting of the SVS/ISCVS, Seattle, WA. June 4-6, 1994. *Journal of Vascular Surgery* 1995; 21:98-109

15. Goldman SM, **Sutter FP**, Priest BP, Wertan MA. Continuous retrograde cardiac perfusion decreases risk of re-operative coronary artery bypass grafting. *Angiology, The Journal of Vascular Diseases* 1997; 48 Vol. 5; 433-443
16. Whitlark JD, **Sutter FP**. Intrathoracic subclavian artery cannulation as an alternative to femoral or axillary artery cannulation. *Ann Thor Surg* 1998;66(1);303.
17. Khaitan L, **Sutter FP**, Goldman SM. Coronary artery bypass grafting in patients who require long-term dialysis. *Ann Thoracic Surgery* 2000; 69; 1135-9
18. Whitlark JD, Goldman SM, **Sutter FP**. Axillary artery cannulation in acute ascending aortic dissections. *Ann Thor Surgery* 2000; 69:1127-9
19. Marano CW, Garulacan LA, Laughlin KV, Igidbashian L, Trace C, Goldman SM, **Sutter FP**, Reichard GA Jr., Mullin JM. Plasma concentrations of soluble tumor necrosis factor receptor I and tumor necrosis factor during cardiopulmonary bypass. *Ann Thorac Surg* 2000; 70(4):1313-8
20. Khaitan L, **Sutter FP**, Goldman SM, Chamogeorgakis T, Wertan MA, Priest BP, Whitlark JD. Simultaneous Carotid Endarterectomy and Coronary Revascularization. *Ann Thorac Surg* 2000; 69; 421-424
21. Kowey PR, Stebbins D, Igidbashian L, Goldman SM, **Sutter FP**, Rials, SJ, Marinchak RA. Clinical Outcome of Patients Who Develop Paroxysmal Atrial Fibrillation after Coronary Artery Bypass Graft Surgery. *Pacing and Clinical Electrophysiology, February 2001, Volume 24, No., 191-3*
22. Ferdinand FD, **Sutter FP**, Goldman SM. Clinical Use of Stentless Aortic Valves with Standard and Minimally Invasive Surgical Techniques. *Seminars in Thoracic & Cardiovascular Surgery. 2001; Vol. 13, No. 3 (July): 283-290*
23. Gobran SR, Goldman SM, Ferdinand FD, Wertan MA, Trace C, Grunkemeier G, Wu YX and **Sutter FP**. Outcomes after Utilization of a Quality Initiative Program for Off-Pump Coronary Artery Bypass Surgery: A Comparison with On-Pump Coronary Artery Bypass Surgery. *Ann Thorac Surg* 2004;78(6)2015-21; *discussion* 2021.
24. Goldman SM, **Sutter FP**, Ferdinand FD, Trace C. Optimizing Intraoperative Cerebral Oxygen Delivery Using Noninvasive Cerebral Oximetry Decreases the Incidence of Stroke for Cardiac Surgical Patients. *Heart Surgery Forum Vol7, Issue5, Oct 2004: E376-81.*
25. Friday G, **Sutter FP**, Curtin A, Kenton E, Caplan B, Nocera R, Siddiqui A, Goldman SM. Brain Magnetic Resonance Imaging Abnormalities Following Off-Pump Cardiac Surgery. *Heart Surgery Forum Vol 8, Issue 2, April 2005, 8(2):E105-9.*
26. Lalor PF, **Sutter FP**. Surgical Management of a Hemodialysis Catheter-Induced Right Atrial Thrombus. *J. Curr Surg. 2006 May-Jun;63(3):186-9.*
27. Goldman SM, **Sutter FP**, Wertan MA, Ferdinand FD, Trace CL, Samuels LE. Outcome Improvement and Cost Reduction in an Increasingly Morbid Cardiac Surgery Population. *Sem CV and Vasc Anes, Vol 10, No 2, June 2006, 171-75*
28. Puskas JD, Halkos ME, Balkhy H, Caskey M, Connolly M, Crouch J, Diegeler A, Gummert J, Harringer W, Subramanian V, **Sutter FP**, Matschke K; EPIC Trial Investigators. Evaluation of the PAS-Port Proximal Anastomosis System in coronary artery bypass surgery. *J Thorac Cardiovasc Surg. 2009 Jul;138(1):125-32.*

29. Chamchad D, Horrow JC, Nachamchik L, **Sutter FP**, Samuels LE, Trace CL, Ferdinand F, Goldman SM. The Impact of Immediate Extubation in the Operating Room After Cardiac Surgery on Intensive Care and Hospital Lengths of Stay. *J Cardiothorac Vasc Anesth.* 2010 Oct;24(5):780-4.
30. **Sutter FP**, Berry T, Wertan MA. "Precision Incision; Robotic Coronary Revascularization via a 3.9cm Mini-thoracotomy" *Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery.* 2012 May;7(3):223-8.

**Research Publications, non-peer reviewed**

1. **Sutter FP**, Fernandez J, Bailey B, McGrath L. Twenty-year actuarial events after open mitral commissurotomy. *The Journal of the Pennsylvania Association for Thoracic Surgery* 1993: Vol. 1;40-42
2. Nielson DH, **Sutter FP**, Mitchell JM, Clancy M, Goldman SM. A comparison of the physiological effects of pulsatile versus non-pulsatile blood flow during cardiopulmonary bypass. Material presented at The Pennsylvania Association for Thoracic Surgery, Hershey, PA. September 1993. *The Journal of the Pennsylvania Association for Thoracic Surgery*, 1994:Vol. 2; 67-70
3. Nielson DH, **Sutter FP**, Mitchell JM, Clancy M, Goldman SM. A comparison of the physiological effects of pulsatile versus non-pulsatile blood flow during cardiopulmonary bypass. *The Journal of the Pennsylvania Association for Thoracic Surgery*, 1994:Vol. 2; 67-70
4. **Sutter FP**, Knauss L, Nielson DH, Goldman SM. Effects of preoperative serum creatinine level on cardiac surgery morbidity and mortality. Material presented at The Pennsylvania Association for Thoracic Surgery, 31st Annual Meeting, Hershey, PA. September 1993 and at the Philadelphia Academy of Surgery Meeting, November 1994. *The Journal of The Pennsylvania Association for Thoracic Surgery*, 1995:Vol. 3; 16-25
5. Khaitan L, **Sutter FP**, Goldman SM, Chamogeorgakis T, Wertan MA, Priest BP, Whitlark JD. Simultaneous Carotid Endarterectomy and Coronary Revascularization. *ACC Current Journal Review Evolving Management Alternatives. Volume 9 Number 4 July / August 2000, ISSN 1062 – 1458*

**Abstracts:**

1. Ferdinand, FD, Trace C, **Sutter FP**, Ingerman MJ, Letwin LB, Goldman SM: Favorable impact on deep sternal wound infections following open heart surgery with initiation of a quality of care process. 2<sup>nd</sup> Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular disease and Stroke – AACC *J. Invasive Cardiology* 2000;12:577
2. Ferdinand FD, Trace C, Priest, BP, **Sutter FP**, Goldman SM. Minimally invasive mitral valve surgery; Less may be more. Annual Meeting ISMICS 2001, Munich Germany, June 27 – 30, 2001
3. Ferdinand FD, Trace C, Priest BP, **Sutter FP**, Kowey PR, Goldman SM. Minimally invasive mitral valve surgery: Less may be more. *Heart Surg. Forum* 2001; 581
4. Ferdinand FD, Trace C, **Sutter FP**, Goldman SM. Implantation of new technology / techniques into clinical practice utilizing a process improvement system. *Am Heart J.* 2001
5. Ferdinand, FD, Trace C, **Sutter FP**, Goldman SM. Change management: Bringing new technology into clinical practice. *Heart Surgery Forum* 2003; 6:540
6. Ferdinand FD, Goldman SM, Trace CL, Sutter FP Improved Outcomes with Port Access Mitral Valve Repair. *Heart Surg Forum* 2004; 7:S9
7. Ferdinand FD, Goldman SM, Swain TW, Samuels LE, Trace C, Wertan MA, **Sutter FP**. Aortic Wrap for Moderate Aneurysmal Dilation. International Society for Minimally Invasive Cardiothoracic Surgery 05, A Joint Meeting with Cardiothoracic Techniques and Technologies. New York, NY. June 1 – 4, 2005

8. Ferdinand FD, **Sutter FP**, Trace C, Wertan MA, Goldman SM. Clinical Outcomes with Minimal Exposure Robotically Assisted Direct Coronary Revascularization. International Society for Minimally Invasive Cardiothoracic Surgery. Boston, MA. June 11 – 14, 2008.
9. **Sutter FP**, Ezekowitz MD, Chernick M, Wertan MA, Zhang L, Cambria-Mengel VJ, Goldman SM, Ferdinand FD, Shapiro TA. Collaborative Strategy for the Treatment of Multivessel Coronary Artery Disease; Experience with 118 Consecutive Patients Using a HYBRID Procedure with daVinci robotic Surgery and Percutaneous Coronary Intervention. ACC.09 Late Breaking Emerging Technologies. Orlando, FL. March 28-31,2009
10. Berry T, Goldman SM, Trace CL, Igidbashian LA, **Sutter FP**, Wertan MA, Ferdinand FD. Aortic Wrap Procedure for Mideral Aneurysmal Dilation. International Society for Minimally Invasive Cardiothoracic Surgery. San Francisco, CA. June 3-6, 2009.
11. **Sutter FP**, Wertan MA, , Shapiro TA, Cambria-Mengel VJ, Ezekowitz MD, Trace CL, Goldman SM, Ferdinand FD. Innovative Approach for the Treatment of Coronary Artery Disease: A Strategy for Robot Assisted Hybrid Revascularization. International Society for Minimally Invasive Cardiothoracic Surgery. San Francisco, CA. June 3-6, 2009.
12. **Sutter F**, Shaik Z, Zhang L, Shapiro T, Wertan MA, Ferdinand F, Cambria-Mengel V, Samuels L, Goldman S. Robotic Enhanced Mini-Incision Coronary Artery Bypass Grafting: A 4-Year Experience of a Single Institution in the United States. *Circulation* 2010;122:e1365  
  
Poster Presented World Congress of Cardiology / World Heart Federation Scientific Session 2010. Beijing, China June 16-19<sup>th</sup>, 2010
13. RK Kramer, MA Wertan, CL Trace, VJ Cambria-Mengel, JL Reynolds, TA Shapiro, MD, **FP Sutter**, *Coronary Revascularization: A 5-Year Robotic Surgery Single Center Experience.* 2011 ACCA Cardiovascular Administrators' Leadership Conference. The Heart of a Leader: Administering Reform and Innovation Chicago IL April 13-15, 2011
14. R. Rodriguez<sup>1</sup>, O. Gojkovic<sup>2</sup>, A. Khitri<sup>1</sup>, FD Ferdinand<sup>1</sup>, LE Samuels<sup>1</sup>, **FP Sutter<sup>1</sup>**, SM Goldman<sup>1</sup> *Totally Endoscopic Minimally Invasive Mitral Valve Surgery as a Routine Approach: A 10 Year Experience.* <sup>1</sup>Surgery, <sup>2</sup>Cardiology. 2011 Mitral Conclave American Association for Thoracic Surgery Sheraton Towers, New York, NY May 5-6, 2011
15. R. Rodriguez, **FP Sutter**, FD Ferdinand, LE Samuels, SM Goldman. *New Knot Tying Technique for Minimally Invasive Approach to Mitral Valve Repair.* 2011 Mitral Conclave American Association for Thoracic Surgery Sheraton Towers, New York, NY May 5-6, 2011
16. **FP Sutter**, MA Wertan, LD Zhang, FD Ferdinand, SM Goldman. *Technique and Results for Robotic Assisted Left Internal Mammary Artery to LAD via 3.8 cm Incision – a 5+ Year Experience.* 11<sup>th</sup> Annual Scientific Meeting, International Society for Minimally Invasive Cardiothoracic Surgery. The Mayflower Hotel. Washington DC. June 8 -11, 2011.
17. Roberto Rodriguez, Olivera Gojkovic, Avinash Khitri, **Francis Sutter**, Francis Ferdinand, Louis Samuels, Scott Goldman. *Totally Endoscopic Minimally Invasive Mitral Valve Surgery as a Routine Approach: A 10 Year Experience* The Society for Heart Valve Disease 6<sup>th</sup> Biennial Meeting, Barcelona Spain. June 25 – 28 2011.
18. Rodriguez R, Goldman SM, **Sutter FP**, Ferdinand FD, Samuels LE. *Society of Thoracic Surgery. Minimally Invasive Reoperative Aortic Valve Replacement.* 49<sup>th</sup> Annual Meeting Society of Thoracic Surgeons. Los Angeles, CA. January 26-29, 2012.
19. **Sutter FP**, Wertan MA, Reynolds JL, Cambria-Mengel VJ. *Single Vessel Robotic Coronary Artery Bypass Grafting.* Methodist Heart Journal. May 2012.

20. Hybrid Coronary Revascularization: A Game Changer **Sutter FP**, Wertan MA, Shapiro TA, Reynolds JL, Luong A, Cambria-Mengel VJ, Zhang L International Society for Minimally Invasive Cardiothoracic Surgery, Los Angeles, CA. May 31, 2012.
21. Hybrid Coronary Revascularization for the Treatment of Coronary Artery Disease; A Multi-center Observational Study. Hybrid Revascularization Observational Study, Sponsored by NHLBI. Developed for Randomized Trial of Hybrid Revascularization versus Percutaneous Coronary Intervention American College of Cardiology 62<sup>nd</sup> Annual Scientific Session, San Francisco, CA. March 9-11, 2013.
22. Patency of Internal mammary artery (IMA) graft in Robotic surgery. A single center experience. Sardar R, **Sutter FP**, Wertan MA. Society for Cardiovascular Angiography and Interventions. Orlando, FL. May 8-11, 2013.
23. Clinical outcomes of Totally endoscopic Coronary Artery Bypass Surgery (TECAB) revascularization: A single center experience. Sardar R, **Sutter FP**, Wertan MA. Society for Cardiovascular Angiography and Interventions. Orlando, FL. May 8-11, 2013.

#### Poster Presentations:

1. Ferdinand FD, Goldman SM, **Sutter FP** *Implantation of New Technology / Techniques into Clinical Practice Utilizing a Process Improvement System.* 3<sup>rd</sup> Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke – American Heart Association/American College of Cardiology. Washington, DC. September 30– October 1, 2001.
2. Friday G, **Sutter FP**, Curtin A, Caplan B, Nocera R, Kenton E, Siddiqui A, Main Line Health Stroke Program, The Lankenau Hospital *Neurological and Neuropsychological Outcome Following Cardiac Surgery.* Annual Colloquium Day, Research Poster Presentation, The Lankenau Hospital and Lankenau Institute for Medical Research, Wynnewood, PA. May 1, 2003.
3. Goldman SM, Ferdinand FD, **Sutter FP**, Trace C. *Improved Outcomes with Port Access Mitral Repair.* Cardiothoracic Techniques & Technologies, 10<sup>th</sup> Annual CTT Meeting, 2004. Current Trends in Thoracic Surgery X. *The Authoritative Update on New Techniques & Technological Advances in Cardiovascular & Minimally Invasive Surgery.* March 10 - 13, 2004.
4. Goldman SM, **Sutter FP**, Ferdinand FD, *Improved Outcomes with Port Access Mitral Repair.* Annual Colloquium Day. Research Poster Presentations. The Lankenau Hospital and Lankenau Institute for Medical Research, Wynnewood, PA. April 14, 2004.
5. Goldman SM, **Sutter FP**, Ferdinand FD, Trace C. Poster Presentation. *Optimizing Intraoperative Cerebral Oxygen Delivery using Noninvasive Cerebral Oximetry decreases the Incidence of Stroke for Cardiac Surgery Patients* Outcomes, The Key West Meeting, Wyndam Casa Marina Resort, Key West, FL. May 19-22, 2004.
6. Anolik G, Guilfoyle M, Cornelius K, Trace C, deAlbuquerque A, Wertan MA, Carrigan S, Mohler T, Paul AL, Minder J, Brotzman S, Steele T, Spence L, Ciocco C, Papanicolas D, Dodds K, Slowakiewicz J, Decesari R, Tonetti L, Brockway C, Percinsky J, Denest C, Marelli J, Miller R, Kowalchuk W, **Sutter FP**, Gardner TJ. *Role of STS National Cardiac Surgery Data Manager in an Evolving Regional Cooperative.* 2004 Advances in Quality and Outcomes; an STS National Database Event. Chicago Marriott Downtown, Chicago IL, October 21-23, 2005.
7. Mohammed I, Khaji A, Siddiqui A, Chernick M, Wertan MA, Shaik Z, **Sutter FP**, Shapiro TA. Bleeding with Perioperative Use of Clopidogrel in Minimally Invasive Robotic Coronary Artery Bypass Graft Surgery. American College of Physicians, Philadelphia Chapter. October 2009.

8. **Sutter FP**, Shaik Z, Zhang L, Shapiro TA, Wertan MA, Ferdinand FD, Cambria-Mengel V, Samuels LE, Goldman SM. Robotic Enhanced Mini-Incision Coronary Artery Bypass Grafting: A 4-Year Experience of a Single Institution in the United States. World Heart Federation, World Congress of Cardiology, Beijing, China, June 16-19, 2010.
9. FD Ferdinand, V Cambria-Mengel, CL Trace, MA Wertan, **FP Sutter**, R Rodriguez, SM Goldman *Synergy in Enhancing Outcomes: Cardiac Imaging and Minimally Invasive Techniques in Reoperative Aortic Valve Replacement*. International Society for Minimally Invasive Cardiothoracic Surgery 2011 Annual Meeting. Washington, DC June 8 – 11, 2011.
24. Interventional Cardiologists and Cardiac Surgeons: Concordance Regarding Anatomic Eligibility for Hybrid Coronary Revascularization in > 6,500 patients. Hybrid Revascularization Observational Study, Sponsored by NHLBI. Developed for Randomized Trial of Hybrid Revascularization versus Percutaneous Coronary Intervention. American College of Cardiology 62<sup>nd</sup> Annual Scientific Session, San Francisco, CA. March 9-11, 2013 ACC 62<sup>nd</sup> Annual Scientific Session, San Francisco, CA. March 9-11, 2013.

**Editorials, Reviews, Chapters:**

1. **Sutter FP**, Goldman SM. Retrograde blood cardioplegia. Letter to the Editor *Annals of Thoracic Surgery* 1993; 55:1600
2. Duda AM, Goldman SM, **Sutter FP**. Simple way to improve right ventricular flow distribution during continuous retrograde cardioplegia. Letter to Editor *Annals of Thoracic Surgery* 1993; 56:402
3. **Sutter, FP**, Goldman, SM, Wertan, MA, Mitchell JM, Priest BP, Tomasello DN – The ABIOMED and Bleeding. Letter to the Editor. *Ann Thor Surg* 1996; 62:95.
4. Whitlark JD, **Sutter FP**. Intrathoracic Subclavian Artery Cannulation as an Alternative to Femoral or Axillary Artery Cannulation. Letter to the Editor. *Ann Thor Surg* 1998; 66:303
5. **Sutter, FP** *Editor Chapter 6: The Strength of the Knight – The Role of the Heart Surgeon. Getting to the Heart of It, Proven Strategies to Bypass the Competition in Cardiovascular Services. Jackie Johnson and the Heart Experts at CORAZON. Corazon Consulting, LP, Pittsburgh, PA. 2003. 1<sup>st</sup> ed. Chapter 65-82*
6. Tran R, Brazio PS, Kallam S, Gu J, Poston RS. Transmyocardial Laser Revascularization Enhances Blood Flow within Bypass Grafts. *Innovations 2007 Vol. 2, No. 5. Sutter, FP Acknowledgement.*
7. Sharon Ben-Or, **Sutter, FP** *Section IX Cases in Cardiothoracic Surgery, Chapter 58: Coronary Revascularization. Sutter, FP Chapter 59: Teaching Visual: Coronary Artery Bypass. Surgery A Competency-Based Companion. Barry D. Mann. 1<sup>st</sup> ed. 2009 Saunders Elsevier.*

**Alternative Media:**

1. **Sutter, FP** Interview, **WPVI 6 ABC News** Anita Brinkman. Sutureless Anastomosis Device for Heart Bypass Surgery, St Jude Symmetry Bypass Aortic Connector. First use of new technology in the Philadelphia region. August 2001.
2. **Sutter, FP** Interview, **WCAU 10 NBC News**, Cherie Bank, Medical Reporter. Sutureless Anastomosis Device for Heart Bypass Surgery, St Jude Symmetry Bypass Aortic Connector, August 2001.
3. **Sutter, FP** Guidant Corporation Training Video – Techniques Off Pump Coronary Artery Bypass, Jan 2002.
4. **Sutter, FP** Interview, **WB 17 News** Karen Jordan. *Beating Heart Surgery and Patient Benefits*, December, 2002.



5. **Sutter, FP** Executive Producer “*Guiding You Through Heart Surgery to Better Health*” ♥2003. Ventana Productions, Inc. California. Education Video distributed to all Patients undergoing Cardiac Surgery at Lankenau Hospital.
6. **Sutter, FP** Raising the Risk in Heart Surgery. New Programs, shrinking market equal safety threat. Karl Stark, *The Philadelphia Inquirer, Business Section, Page 1.* Sunday, April 27, 2003
7. 2004 Cardiovascular Roundtable FEW HIGHER STAKES - Cardiac Surgery Performance. The Advisory Board Company, Washington DC. Acknowledgment Lankenau Hospital 2003.
8. **Sutter, FP** Guidant Corporation Training Video - HeartString™ Proximal Seal System & Vasoview System. Jan 2004.
9. **Sutter, FP** Interview and Demonstration, **Science Channel™, Discovery Communications, Inc.** Presentation of Heartstring™ and Vasoview System. Segment aired on TechKnowledge March 18, 2004
10. **Sutter, FP.** Guidant Corporation Training Video - Coronary Artery Stabilizer Acrobat™ May 2004.
11. **Sutter, FP.** CardioVations/ETHICON Training Video – Demonstrate features and benefits of EMBRACE Technology & Techniques for Off-Pump Coronary Artery Bypass, October 2004.
12. **Sutter, FP.** Interview by Jennifer Barrett. *Newsweek, Health for Life, Cutting Edge.* December 12, 2005 edition.
13. **Sutter, FP,** Uribe A. King Pharmaceuticals Training Video – Demonstrate use, features and benefits of *Thrombin-JMI®* Topical Bovine Thrombin. September 7, 2006.
14. **Sutter FP.** Robotic Assisted Hybrid Coronary Revascularization.  
Featured article: A New Frontier in Heart Surgery, *Main Line Life, Lifestyles.* February 14, 2007.  
Featured article: New concept in Heart Care @ Lankenau Hospital, *Main Line Times, Medicine & Technology Progress.* February 22, 2007.  
Featured article: Teaming up with daVinci for non-invasive surgeries: Man travels from Boulder, Colorado to Lankenau Hospital for cardiac surgery and back to his biking routine within weeks. *Progress. Silver Lining. Medical / Technical. Main Line Chamber of Commerce.*
15. **Sutter FP.** The Robot Scrubs In. John Sullivan, *The Philadelphia Inquirer.* April 16, 2007.
16. **Sutter FP.** Leaders on the New Frontier of High-Technology Surgery. On Humanism in Medicine, Recognizing the Patient as a Fellow Human. *PCOM Digest* 2007. No.2
17. **Sutter FP,** Garrido, M. A daVinci for the 21<sup>st</sup> Century. Robot-Assisted Coronary Artery Bypass. Cover Story. *M.D. News* A Business and Lifestyle Magazine for Physicians. Philadelphia Metro Edition Vol. 2, No. 4, Spring 2008.
18. **Sutter, FP,** Wertan, MA. Premiere Member Preview Event and Physician Lecture. Opening of *BODY WORLDS 2 and The Brain* Exhibit at *Franklin Institute, Philadelphia.* October 18, 2009.
19. **Sutter FP.** Hybrid Procedures are Gaining Ground Josh Goldstein, *The Philadelphia Inquirer.,* February 18, 2010
20. **Sutter FP.** Tales of the heart: Three patients share their stories, robotic coronary artery bypass grafting. Kirstin Lindermayer, *The Philadelphia Inquirer.,* February 18, 2010

21. **Sutter FP**, PR Newswire, United Business Media, Times Square, New York, NY. Leading robotic Heart surgeon, Lankenau Hospital, Main Line Health, Invited guest speaker at World Congress of Cardiology, Beijing, China, June 2010.
22. **Sutter FP**. 584 Best Physicians, as Rated by Their Peers, **Top Doctors**, *Philadelphia Magazine* May 2010.
23. **Sutter FP**, Haines C. Do Doctors Follow Their Own Advice? Surprising Survey Results; Rowing *Philadelphia Magazine* Pg 80-81 May 2010.
24. **Sutter, FP** Women's Health; Know your Numbers and your Options Robotic Assisted Coronary Artery Bypass Grafting. *Live Telecast* Fox 29 News.
25. **Sutter, FP** Evolution of Surgical and Percutaneous Intervention for the Treatment of Coronary Artery Disease. The Annenberg Center Auditorium, Lankenau Medical Center. Presentation to Stanley Lee, MD Founder, Director, [www.DXY.cn](http://www.DXY.cn) , Medical Media Network, China. March 30, 2012

**CURRENT RESEARCH:** (most current)

1. Principal Investigator: **Sutter FP** Hybrid Revascularization Observational Study, Sponsored by NHLBI. Developed for Randomized Trial of Hybrid Revascularization versus Percutaneous Coronary Intervention – Planning Grant Study Group, June 2010  
*Member*, Subcommittee for Hybrid Coronary Revascularization Pivotal Trial. Spring 2012  
Site Selection Committee  
Patient Management – Surgical and Interventional Process of Care Committee
2. Principal Investigator: **Sutter FP**. Randomized Evaluation of a Surgical Treatment for Off-Pump Repair of the Mitral Valve, (RESTOR-MV). Myocor, Inc.
3. Principal Investigator: **Sutter, FP**. PAS-Port Trial, Proximal Anastomotic Device, Cardica, Inc.
4. Sub-Investigator: **Sutter, FP**. Long term Follow-Up and Hemodynamic Evaluation of the Mitroflow Aortic Pericardial Heart Valve. Carbomedics, Inc
5. Sub-Investigator: **Sutter, FP**. An Observational, Prospective Evaluation of the Trifecta Valve, St. Jude Medical, Inc

**EDUCATIONAL OPPORTUNITIES: CONFERENCES ATTENDED:**

62nd Annual Clinical Assembly of Osteopathic Specialists. St. Louis, MO, September 17-20, 1989

Arrhythmia Surgery Operative Clinics. St. Louis, MO, February 15-17, 1990.

Pennsylvania Association for Thoracic Surgery, 28th Annual Meeting. Lake Harmony, PA, May 4-6, 1990.

Pennsylvania Osteopathic Medical Association, 82nd Annual Clinical Assembly. Philadelphia, PA, May 16-20, 1990.

Pennsylvania Chapter of the American College of Cardiology Annual Meeting. Hershey, PA, September 7-8, 1990.

The Society of Thoracic Surgeons Interim Meeting. Chicago, IL, September 21-23, 1990.

American College of Surgeons 1990 Clinical Congress. San Francisco, CA, October 7, 1990.

63rd Annual Clinical Assembly of Osteopathic Specialists. Los Angeles, CA, October 28-31, 1990.

Pennsylvania Osteopathic Medical Association, 83rd Annual Clinical Assembly. Philadelphia, PA, May 1-2, 1991.

Pennsylvania Association for Thoracic Surgery, 29th Annual Meeting. Marco Island, FL, May 3-5, 1991.

The American Association for Thoracic Surgery, 71st Annual Meeting. Washington, DC, May 7-8, 1991.

64th Annual Clinical Assembly of Osteopathic Specialists. Lake Buena Vista, FL, September 28 - October 1, 1991.

Le Club Mitrale. Hospital Broussais, Paris, France, October 12-19, 1991.

American Association for Thoracic Surgery, 72nd Annual Meeting. Los Angeles, CA, April 26-29, 1992.

Pennsylvania Association for Thoracic Surgery, 30th Annual Meeting. Nemaquin Woodlands, Farmington, PA, September 18-20, 1992.

65th Annual Clinical Assembly of Osteopathic Specialists. Chicago, IL, September 20-23, 1992.

The Society of Thoracic Surgeons, 29th Annual Meeting. San Antonio, TX, January 24-27, 1993.

American Association of Clinical Anatomists, 10th Annual Meeting. Seattle, WA, June 16-18, 1993.

The Pennsylvania Association for Thoracic Surgery, 31st Annual Meeting. Hershey, PA, September 24-26, 1993.

New Jersey Chapter of the American College of Cardiology, 4th Annual Meeting. Absecon, NJ, October 1-3, 1993.

66th Annual Clinical Assembly of Osteopathic Specialists. San Francisco, CA, October 30- November 2, 1993.

Introduction to Mitral Valve Repair III. Georgetown University Medical Center, Washington, DC, January 27-28, 1994.

14th Annual San Diego Cardiothoracic Symposium. San Diego, CA, February 24-27, 1994.

The American Association for Thoracic Surgery, 74th Annual Meeting. New York City, NY April 24-27, 1994.

Pennsylvania Osteopathic Medical Association, 86th Annual Clinical Assembly, Philadelphia, PA April 27-30, 1994.

Pennsylvania Association for Thoracic Surgery, 32nd Annual Meeting, Longboat Key, FL. September 22-25, 1994.

67th Annual Clinical Assembly of Osteopathic Specialists. Washington, D.C., September 24-27, 1994.

The Society of Thoracic Surgeons, 31st Annual Meeting. Palm Springs, CA, January 29-February 1, 1995.

New York Surgical Society and Philadelphia Academy of Surgery Conjoint Meeting. New York, NY, March 8, 1995.

Mitral Valve Repair IV. Falls Church, VA, April 20-21, 1995.

68th Annual Clinical Assembly of Osteopathic Specialists. New Orleans, LA. September 14-17, 1995.

Pennsylvania Association for Thoracic Surgery, 33rd Annual Meeting. Philadelphia, PA. September 15-17, 1995.

American College of Surgeons, 81st Annual Clinical Congress. New Orleans, LA. October 22-27, 1995.

Mosaic Investigator's Meeting & Peak Performance IX. Le Château Frontenac, Québec, Canada. February 15, 1996.

Cardiovascular Surgery. American College of Cardiology Heart House, Bethesda, MD. February 29 - March 2, 1996.

- Aortic Surgery Symposium V. Sheraton New York Hotel & Towers. New York, NY. April 25 & 26, 1996.
- Ross Surgery Symposium, Controversies in Homograft & Autograft Surgery. Indiana University Medical Center, Indianapolis, IN. May 8-11, 1996.
- Innovative Surgical Approaches to Acquired Heart Disease. The Toronto Hospital and the University of Toronto. Toronto, Ontario. May 30 - June 1, 1996.
- Pennsylvania Association for Thoracic Surgery. 34th Annual Meeting Nemaocolin Woods, Farmington, PA, September 20, 1996.
- Minimally Invasive Valve Replacement Surgical Techniques (Teleconference). The Cleveland Clinic, Philadelphia, PA, September 24, 1996.
- American College of Osteopathic Surgeons. Annual Clinical Assembly of Osteopathic Specialists – Sheraton San Diego Hotel and Marina - San Diego, California - October 17-20, 1996.
- Live Teleconference: Operative Technique and Program Development for Primary and Reoperative Minimally Invasive Direct Coronary Artery Bypass. ProMedica International, New York, NY, January 30-31, 1997.
- Advanced Wharton Leadership Course. University of Pennsylvania School of Medicine, Philadelphia, PA, October 1996 - April 1997.
- Cost Control Through Clinical and Technological Excellence. The Institute of Critical Care, Rochester, NY, March 11, 1997.
- Cardiology Preeminence Round Table 1997. The Advisory Board Company, New York, NY, March 17, 1997.
- Controlling Costs through Clinical and Technological Excellence. Philadelphia, PA. April 4, 1997.
- Understanding the New World of Healthcare. Harvard University, Cambridge, MA, April 6-16, 1997.
- Comprehensive Symposium on Reconstructive Cardiac Surgery. Brown University School of Medicine and Columbia HCA, The Ritz-Carlton, Pentagon City, Washington, D.C.-May 3, 1997.
- American Association for Thoracic Surgery, 77th Annual Meeting. American Association for Thoracic Surgeons. Sheraton Washington Hotel, Washington D.C. May 4-7, 1997
- Medtronic 2nd Annual Valve Conference. Naples, FL, May 29-31, 1997.
- Measuring Quality in Surgery. Chicago Hilton & Towers, Chicago, IL. June 27-28, 1997.
- Pennsylvania Association of Thoracic Surgery. 35th Annual Meeting, Le Chateau Frontenac, Quebec, Canada. September 18-21, 1997.
- American College of Osteopathic Surgeons. Annual Clinical Assembly of Osteopathic Specialists - Atlanta Hilton, Atlanta Georgia. September 20-23 1997.
- Heart Port Training. Salt Lake City, Utah. October 1-3 1997.
- The Royal College of Surgeons of England. Aortic Root Surgery: Homograft, Autograft and Stentless Porcine Valves. London, England. October 16-17 1997.
- Incardia Training Program, Defining the Future of Cardiac Surgery. Minneapolis, MN. October 24, 1997.

American Association for Thoracic Surgery. 78th Annual Meeting, John B. Hynes Convention Center, Sheraton Boston Hotel, Boston, MA. May 3-6, 1998.

Innovative Surgical Approaches to Aortic Valve Disease. Toronto General Hospital, Toronto, Ontario, Canada. June 4 - 6, 1998.

Incardia Advanced Octopus Training. Abbott Northwestern Hospital, Minneapolis, MN. June 24, 1998.

Port-Access Minimally Invasive Cardiac Surgery. Live Teleconference. Memorial Mission Hospital, Asheville, NC. September 11 - 12, 1998.

Pennsylvania Association of Thoracic Surgery. 36th Annual Meeting, Penn Stater Conference Center Hotel, State College, PA. September 17-20, 1998.

American College of Osteopathic Surgeons. Annual Clinical Assembly of Osteopathic Specialists. Chicago, IL. September 24-26 1998.

Program Directors Seminar, American College of Osteopathic Surgeons. Chicago, IL. September 25, 1998.

10th Cardiac & General Thoracic Surgery Update. American College of Chest Physicians. St. Thomas, US Virgin Islands. December 2 - 4, 1998.

Cardiothoracic Survival in 1999: How Correct Coding and Payment Strategies Could Help Save Your Practice. Society of Thoracic Surgeons. Fort Lauderdale, FL. December 4 - 5, 1998.

The Seven Habits of Highly Effective People. Franklin Covey Course sponsored by Osteopathic Leadership Conference. Chicago, IL. February 26 - 28, 1999.

Controversies in Minimally Invasive Cardiac Surgery: A Multidisciplinary Perspective. Pittsburgh, PA. May 8, 1999.

Pennsylvania Association of Thoracic Surgery. 37th Annual Meeting, Skytop Lodge, Skytop, PA. September 16 - 19, 1999.

American College of Osteopathic Surgeons. 1999 Annual Clinical Assembly of Osteopathic Specialists. Chicago, IL. October 2 -5, 1999.

The Four Roles of Leadership Stephen R. Covey Chicago, IL, January 14 - 17, 2000.

Society of Thoracic Surgeons 36th Annual Meeting, Fort Lauderdale, FL, January 29– February 2, 2000.

Octopus 2+ Telesurgery, Washington Hospital Center. Washington, DC April 13 - 14, 2000.

American College of Osteopathic Surgeons. 2000 Annual Clinical Assembly of Osteopathic Specialists. Boston, MA. September 18-25, 2000.

Pennsylvania Association for Thoracic Surgery – 38th Annual Meeting. Southampton Princess, Bermuda October 4 -8, 2000.

Denton Regional Medical Center. Pre-operative & Intra-operative Consideration in OP-CAB Surgery. December 5, 2000.

Cardiovascular Roundtable 2000 National Membership Meeting. Cardiac Cost Reform. The Advisory Board Company, New York, NY January 19, 2001.

Society of Thoracic Surgeons 37th Annual Meeting, New Orleans, LA January 29-31, 2001.

Surgical Treatment of Atrial Fibrillation Training Program. Intraoperative Radiofrequency Ablation in the Treatment of Atrial Fibrillation. Columbia University-Presbyterian Hospital, New York, NY. April 19 – 20, 2001.

OP-CRES – Patient care and considerations: Preoperatively, perioperatively, and postoperatively. Conroe Medical Center, Conroe, TX. May 15 – 16, 2001.

Pennsylvania Association for Thoracic Surgery – 39th Annual Meeting. Pittsburgh, PA. September 21-23, 2001.

The Advisory Board Company, Strategic Research for the World’s Leading Health Care Institutions, “To Grow the Cardiac Enterprise” Revenue Expansion, Service Excellence, and Investment in Next Generation Technology, New York, NY. The Pierre, January 11, 2002.

Society of Thoracic Surgeons - 38th Annual Meeting. Fort Lauderdale, FL. January 25-30, 2002.

ENDO-ACAB Training Course. A Computer Motion Procedural Training Course. Course Director: Thomas Vassiliades, Jr. MD, Douglas Boyd, MD, Hratch Karamanoukian, MD, Kenneth Stahl, MD. Santa Barbara. CA September 12-14, 2002.

Pennsylvania Association for Thoracic Surgery 40th Annual Meeting, Loew’s Miami Beach Hotel South Beach Miami, FL. October 17 – 20, 2002.

ENDO-ACAB Training, 1:1 with Thomas Vassiliades, Jr. MD. Sacred Heart Hospital, Heart & Vascular Institute, Pensacola, FL. December 3 – 4, 2002.

Cardiothoracic Techniques & Technologies, 9th Annual CTT Meeting, 2003. Current Trends in Thoracic Surgery IX. The Authoritative Update on New Techniques & Technological Advances in Cardiovascular & Minimally Invasive Surgery. The Fountaine Bleau Hilton Hotel & Resort. Miami Beach, FL. March 18- 22, 2003.

Computer Motion ENDO-ACAB Sacred Heart Hospital Heart & Vascular Institute. Thomas J Vassiliades, MD Pensacola, FL April 13 – 15, 2003.

American Association for Thoracic Surgery 83rd Annual Meeting, including Developing the Academic Surgeon Symposium & Adult Cardiac Surgery Symposium, Innovations in Cardiac Surgery. Hynes Convention Center, Boston, MA. May 3- 7, 2003.

Annual Clinical Assembly of Osteopathic Specialists, Chicago Marriott Downtown, Chicago, IL. September 18-21, 2003.

Pennsylvania Association for Thoracic Surgery 41st Annual Meeting, Geisinger Medical Center, Danville, PA. October 3 – 5, 2003.

Cardiovascular Roundtable, National Membership Meeting. *Few Higher Stakes*. The Advisory Board Company. Metropolitan Club, New York, NY, January 8 – 9, 2004.

Society of Thoracic Surgeons - 40th Annual Meeting. Henry Gonzalez Convention Center, San Antonio, TX. January 24 – 28, 2004.

Third Annual Cardiovascular Seminar, Sun Health Heart Center at Boswell Memorial Hospital, Sun City, AZ. February 21, 2004.

Cardiothoracic Techniques & Technologies, 10th Annual CTT Meeting, 2004. Current Trends in Thoracic Surgery X. The Authoritative Update on New Techniques & Technological Advances in Cardiovascular & Minimally Invasive Surgery. The Fountaine Bleau Hilton Hotel & Resort. Miami Beach, FL. March 10-13th, 2004.

Aortic Surgery Symposium. ProMedica International. Sheraton New York Hotel & Towers. April 22 – 23, 2004.

The Corazon Conference, A View from the Top: Success Strategies that work in CV Services. Sheraton Hotel at Station Square, Pittsburgh, PA. May 5 - 6, 2004.

Atricure Ablation Symposium, Bipolar Approach to Ablation Procedures, Washington University School of Medicine, July 9 & 10, 2004.

Pennsylvania Association for Thoracic Surgery, 42<sup>nd</sup> Annual Meeting, Lankenau Hospital Live Simultaneous Telecast Three Operative Procedures, Friday October 8, 2005. Sheraton Hotel Society Hill, Olde City Philadelphia, PA. October 9 – 10, 2005.

Cardiac Thoracoscopy Training Course, ENDO-ACAB, Course Director, Thomas Vassiliades, Jr., MD. Emory University School of Medicine, Department of Surgery, Division of CT Surgery. December 6 - 7, 2004.

Surgical Ablation Modified MAZE, Beaumont Hospital, Troy, MI, Frank Shannon, MD; Medtronic Sponsored Training, January 6 -7, 2005.

2005 STS /AATS Tech-Con. Tampa Convention Center, Tampa, FL. January 22 – 23, 2005.

Society for Thoracic Surgeons 41<sup>st</sup> Annual Meeting, Tampa Convention Center, Tampa, FL, January 23-26, 2005.

Coapsys Annuloplasty System Training, RESTOR-MV Trial, Myocor, Inc. Maple Grove, MN. February 3-4, 2005.

Cardiovascular Roundtable National Membership Meeting. *Re-Igniting the Flame*. The Advisory Board Company. Rittenhouse Hotel, Philadelphia, PA. February 7-8, 2005.

Advanced Training in Robotic Cardiac Surgery, St. Joseph's Hospital, Atlanta GA. Dr Doug Murphy. Sponsor: Intuitive, Inc. February 21- 23, 2005.

Patient Safety and Risk Management Symposium, Issues, Solutions & Perspectives. James Bagian, MD, PE, Michael Cohen, RPh, MS, ScD, Anthony Montagnolo, MS. Lankenau Hospital Annenberg Conference Center, Wynnewood, PA. March 12, 2005.

85<sup>th</sup> Annual Meeting American Association for Thoracic Surgery, AATS/STS Adult Cardiac Symposium, Moscone West Convention Center, San Francisco, CA April 10 – 13, 2005.

Coapsys Annuloplasty System, RESTOR MV Investigator Meeting, The Venetian Las Vegas, NV April 23-24, 2005.

Summit for Cardiac Surgeons, Common Ground: Forging Partnerships to Advance Cardiovascular Care, Institute for Therapy Advancement - North America, St Paul, MN. April 28 – 29, 2005.

Medical Executive Committee Institute, Greeley Company, a Division of HCPro, Healthcare Consulting & Training. Chicago, IL May 12 – 13, 2005.

Advanced Transmyocardial Revascularization Clinical Management and Robotic Surgical Technique Physician Workshop, Cardiogenesis. PEARL study Port enabled angina relief with laser. Course Director: Louis A. Brunsting, III, MD. Centennial Medical Center, Nashville, TN, MAY 24 - 25, 2005.

International Society Minimally Invasive Cardiac Surgery 2005, Postgraduate Course, Surgical Treatment of Atrial Fibrillation, Course Director: Ralph Damiano, MD. New York Marriott Marquis, June 1, 2005.

Hands on Evaluation of CORLINK™ Device with Human Tissue Anastomosis, CardioVations / Ethicon, Somerville, NJ. June 13, 2005.

Octopus® Evolution Focus Group. By invitation: John Puskas, MD, A David Slater, MD, Axel Joob, MD, Seiichi Noda, MD, Brian Tell, MD, R Scott Thurston, MD, Luis Santamarina, MD, FP Sutter, DO. Medtronic Physiologic Research Lab, Minneapolis, MN. June 29 – 30, 2005.

Minimally Invasive Surgical Ablation Workshop. Case presentation, observation, hands on wet lab chest model. Directors: J. Crayton Pruitt, MD, R. Lazzara, MD, St Joseph's Heart Institute, Tampa, FL. July 28 – 29, 2005.

Multivessel small thoracotomy revascularization utilizing robotic surgical techniques. Physician training. Sponsor: Intuitive, Inc. Steven Harrington, MD, St Joseph's Hospital, Clinton Township, MI. August 22, 2005.

Joseph B. VanderVeer Lecture, Aortic Valve Surgery: Matching the Patient to the Prosthesis and Mitral Valve Surgery: Past, Present, Future. Lawrence H. Cohn, MD. Bryn Mawr Hospital, September 21, 2005.

New Horizons in Cardiovascular Health. Sponsored jointly Center for Cardiovascular Health at Johnson City Medical Center and East Tennessee State University. Grove Park Inn and Resort. Asheville, NC. September 22-25, 2005.

43<sup>rd</sup> Annual Meeting Pennsylvania Association for Thoracic Surgery, Elbow Beach Resort. Bermuda. September 28 – October 2, 2005.

2005 Annual Clinical Assembly of Osteopathic Specialists, Rosen Center Hotel, Orlando, FL. October 22-25, 2005.

Growing a Successful Robotic Practice, Embassy Suites Hotel Nashville at Vanderbilt. Sponsors: Intuitive Surgical, Medtronic, Cardiogenesis, CardioVations. October 28 – 29, 2005.

Distal Anastomotic Devices, Proximal prototypes for robotic surgery. CARDICA, Inc. Redwood City, CA. December 11 – 13, 2005.

Transforming Surgical Care: Moving from Good to Great. The Hospital & Health System Association of Pennsylvania. Quality Insights of Pennsylvania. The Commonwealth's Medicare Quality Improvement Organization. Plymouth Meeting, PA. March 28, 2006.

Advanced Robotic Coronary Revascularization. Sudhir P. Srivastava, MD. Odessa TX April 16 – 19, 2006.

86<sup>th</sup> Annual Meeting, American Association for Thoracic Surgery / Adult Cardiac Surgery Symposium. Pennsylvania Convention Center. April 29 – May 3, 2006.

CARDICA, Inc. Anastomotic Devices - Principal Investigator Meeting, Philadelphia PA. May 1, 2006.

CARDICA, Inc. PAS Port Device, Principal Investigator Wet Lab Training. Dallas, TX. July 31 – August 1, 2006.

Human Subjects Protection in Research, Refresher Training Course. Lankenau Hospital and Institute for Medical Research. Albert Keshgegian and Charles Skutches. September 21, 2006.

44<sup>th</sup> Annual Meeting of PA Association for Thoracic Surgery, Lehigh Valley Hospital and Health Network, Allentown, PA. September 28 – October 1, 2006.

Protecting Patient Safety in Clinical Trials. Patient Safety: The View of the FDA Inspector. Michael Rashti, Consumer Safety Officer, FDA. Main Line Health Center. Wynnewood, PA. November 28, 2006.

Effective Strategies for Measuring Quality and Improving Outcomes in Cardiothoracic Surgery. January 28, 2007. The Society of Thoracic Surgeons 43<sup>rd</sup> Annual Meeting STS / AATS Tech-Con 2007. San Diego, CA. January 27- 31, 2007.



Patient Safety & Risk Symposium, Disclosure of Adverse Events and Medical Errors. What do healthcare providers need to know? The Walter & Leonore Annenberg Conference Center for Medical Education at Lankenau Hospital. Wednesday, March 7, 2007.

Totally Endoscopic Robotic Assisted Coronary Revascularization. Sudhir P. Srivastava, MD. Odessa TX. March 18 – 20, 2007.

C-Port Flex-AP Robotic Development Lab. J. Michael Smith, MD. Cincinnati OH. July 18, 2007.

EDGE, Medtronic Educational Program, Small Thoracotomy OP-CAB. Joseph T. McGinn, MD. Staten Island University Hospital. August 13-14, 2007.

45<sup>th</sup> Annual Meeting of PA Association for Thoracic Surgery, Marriott Seaview Resort and Spa, Galloway, NJ. October 12-14, 2007.

Collaborating to Improve Surgical Care, Surgical Care Improvement Project (SCIP). The Hospital & HealthSystem Association of PA (HAP) Radisson Hotel Philadelphia Northeast, PA. November 8, 2007.

Blood Management and Conservation, Aryeh Shander, MD, Englewood, NJ. November 20, 2007.

19<sup>th</sup> Annual National Forum on Quality Improvement in Health Care. Institute for Healthcare Improvement, Orlando FL. December 10-12, 2007.

2008 Society for Thoracic Surgeons 44<sup>th</sup> Annual Meeting, STS /AATS Tech-Con. Broward County Convention Center, Fort Lauderdale, FL, January 28 – 30, 2008

Surgical Care Improvement Program, Patient Safety / Risk Management, Lankenau Hospital, Wynnewood, PA. February 4, 2008.

Inspiration and Initiatives to Reduce Medical Errors. Patient Safety / Risk Management Symposium. Preventing Serious Events. Blood Conservation & Management; Stricter Glucose Control; DVT Prevention; Changing Culture Path to Surgical Site Improvement. Implications on your Pocket and our Patients. Mark Michelman, MD. Lankenau Annenberg Auditorium. March 8, 2008.

Blood Management of Critical Pathways CME Teleconference New Guidelines for Blood Management in Cardiac Surgery: Do They Function? Sponsor NCMC Speaker Aryeh Shander, MD, FCCP, FCCM March 28, 2008

Annual Scientific Meeting 08 ISMICS, The International Society for Minimally Invasive Cardiac Surgery. Marriott Copley Place, Boston, MA June 11-14, 2008.

2008 Annual Clinical Assembly of Osteopathic Specialists. Boca Raton Resort & Club, Boca Raton, FL. Sept 11-14, 2008.

Minimally Invasive Cardiac Surgery CABG Education Program and Thora-CAB Case Observation. Marc Ruel, MD, MPH, FRCSC Ottawa Heart Institute. Ottawa ON March 16, 2009.

Mastering Media Training, Facilitated by Spaeth Communications. March 19, 2009.

Collaborative Institutional Training Initiative Program, service providing research ethics education to all members of the research community. March 23, 2009

Quality / Risk Management Educational Retreat. *“An Approach to Patient Safety: How Do We Know We Are Safer? Strategies to Improve Patient Safety”* Peter J Pronovost, M, PhD, Johns Hopkins University School of Medicine. Philadelphia Marriott West, Conshohocken, PA April 22, 2009.

American College of Osteopathic Surgeons Annual Clinical Assembly of Osteopathic Specialists. Chicago, IL October 31 – November 5, 2009

Ensuring Quality and Patient Safety in a Turbulent Environment. The Role of Accountability in Creating a Culture of Safety, Robert M Wachter, MD. MLH Board, Medical Staff and Senior Management Retreat. Normandy Farm Conference Center, Blue Bell PA. October 15-16, 2009

daVinci Hospital Executive Session. Sponsored by Intuitive Surgical, Inc. Marriott Marquis, New York, NY, January 29, 2010

Executive Leadership Academy. Advisory Board Company, February 19, 2010

American College of Cardiology, ACC 59<sup>th</sup> Annual Scientific Session / Innovation in Intervention: i2Summit2010, Atlanta, GA March 14 – 16<sup>th</sup>, 2010

Hypertensive Patients at Risk: Rethinking Acute Blood Pressure Management. Edwin Avery, MD, Instructor Anesthesia, Massachusetts General Hospital. Jointly sponsored by Duke University School of Medicine and Acute Care Medical Education. March 16, 2010

Executive Leadership Academy. Managing Disruptive Behavior. Advisory Board Company, April 30, 2010

American Association for Thoracic Surgery, 90<sup>th</sup> Annual Meeting. Metro Toronto Convention Centre, Toronto, ON, Canada. May 1-5, 2010.

World Heart Federation, World Congress of Cardiology, Scientific Sessions 2010; featuring the 3<sup>rd</sup> International Conference of Women, Heart Disease and Stroke. Beijing China, June 16-19, 2010.

Minimally Invasive Cardiac Surgery CABG Product Development Lab. Sutter FP, Childers H, Coltharp W, Rabindra P. Medtronic, Inc. Minneapolis MN. Sept 7-8, 2010

Advances in Robotic and Hybrid Coronary Revascularization. W Hotel Midtown, Atlanta GA. October 28 – 30, 2010

2011 47<sup>th</sup> Annual Meeting The Society of Thoracic Surgeons STS/AATS Tech Con, Sand Diego, CA. January 29 – February 2, 2011

Advanced Revascularization Techniques & Technology. Regina McGinn, MD Education Center. Staten Island University Hospital, Staten Island, NY. March 24-25, 2011

91<sup>st</sup> Annual Meeting American Association for Thoracic Surgery. Philadelphia Convention Center, Philadelphia, PA May 7-11, 2011

International Society for Minimally Invasive Cardiothoracic Surgery, 11 ISMICS, Techniques, Technology & Innovation in CVT Surgery. The Mayflower Hotel, Washington, DC June 8-11, 2011

On pump Robotic Totally Endoscopic Coronary Artery Bypass Grafting, Johannes Bonatti, MD. University of Maryland, MD. February 20-21, 2012.

Medtronic Academia Medical Education, Hybrid Coronary Revascularization. Medical Advisory Team. Co Moderators: Michael Mack, MD, Thomas Vassiliades, Jr, MD. March 1-2, 2012.

Pathways to Excellence: Advancing Robotics – Keys to Growth, OR Management and Organization, Marketing Approaches, Data Collection and Dissemination, Financial Strength. An Executive Team Retreat. Chair: Dr. Randy Fagin, Chief Administrative Officer. Texas Institute for Robotic Surgery. Austin TX. March 5, 2012

Re-Evolution Summit III: Minimally Invasive Cardiac Surgery (MICS) Summit – the Ultimate Hands-On in Houston. Program Directors: Mahesh Ramchandani, MD Basel Ramlawi, MD The Methodist Hospital System. Houston, TX. March 8-10, 2012.

International Society for Minimally Invasive Cardiothoracic Surgery 2012 Annual Scientific Meeting. JW Marriott at LA Live, Los Angeles, CA. May 30 – June 2, 2012.

2012 Annual Clinical Assembly of Osteopathic Surgeons, in conjunction with ACS Clinical Congress. Chicago Marriott Downtown, Magnificent Mile, Chicago, IL. September 30- October 3, 2012.

XV Annual Cardiology National Congress, Fairmont Princess Hotel, Acapulco, Guerrero, Mexico. December 5-8, 2012.

49<sup>th</sup> Annual Meeting Society of Thoracic Surgeons, JW Marriott at LA Live, Los Angeles, CA. January 26<sup>th</sup> – 30<sup>th</sup>, 2013.