

Curriculum Vitae

LISHAN AKLOG, M.D.

Chairman & CEO
PAVmed Inc. (Nasdaq: PAVM)
Lucid Diagnostics Inc. (Nasdaq: LUCD)
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Education

1985	Bachelor of Arts in Physics, <i>magna cum laude</i> Phi Beta Kappa	Harvard College
1989	Doctor of Medicine, <i>cum laude</i> Dissertation – “The Molecular Genetics of Human Profilin”	Harvard Medical School

Postdoctoral Training

1989-1990	Intern	Surgery	Brigham and Women’s Hospital
1990-1992	Resident	Surgery	Brigham and Women’s Hospital
1992-1994	Research Fellow	Cardiac Surgery	Brigham and Women’s Hospital
1994-1995	Resident	Surgery	Brigham and Women’s Hospital
1995-1996	Chief Resident	Surgery	Brigham and Women’s Hospital
1996-1997	Resident	Cardiothoracic Surgery	Brigham and Women’s Hospital
1997	Chief Resident	Cardiac Surgery	Brigham and Women’s Hospital
1998	Chief Resident	Cardiac Surgery	Children’s Hospital, Boston
1998-1999	Senior Registrar	Cardiac Surgery	Harefield Hospital, London
1999	Clinical Fellow	Cardiac Surgery	L’Hôpital Broussais, Paris

Licensure and Certification

1990	Certificate		National Board of Medical Examiners
1992	License	#74775	Massachusetts Board of Medicine
1997	Certificate	#4208	American Board of Surgery
2000, 2010	Certificate	#6342	American Board of Thoracic Surgery
2002	License	#223657-1	New York State Board of Medicine
2004	License	25MA07837600	New Jersey Board of Medical Examiners

2006 License #35842 Arizona Medical Board

Academic Appointments

2007-2012 Associate Professor of Surgery Creighton University
2007-2009 Associate Professor of Surgery University of Arizona
2002-2006 Assistant Professor of Cardiothoracic Mount Sinai School of Medicine
Surgery
2000-2001 Assistant Professor of Surgery Harvard Medical School
1999-2000 Instructor of Surgery Harvard Medical School

Hospital Appointments

2008-2011 Adult Cardiovascular and Thoracic St. Joseph's Hospital and Medical Center
Surgery Section Chief Phoenix, Arizona
2006-2012 Chair, The Cardiovascular Center Heart & Lung Institute
Chief of Cardiovascular Surgery St. Joseph's Hospital & Medical Center
Phoenix, Arizona
2002-2006 Associate Chief of Cardiac Surgery Mount Sinai Medical Center
New York, New York
2002-2006 Director of Minimally Invasive Cardiac Mount Sinai Medical Center
Surgery New York, New York
2002-2006 Associate Director Mount Sinai Medical Center
Thoracic Surgery Residency Program New York, New York
2004-2006 Surgical Director Liberty Heart Institute
Jersey City, New Jersey
2003-2006 Surgical Director Mount Sinai Medical Center
Cardiothoracic Intensive Care Unit New York, NY
1999-2001 Associate Surgeon Brigham and Women's Hospital
Boston, Massachusetts
1999-2001 Director, Cardiac Surgery Research Brigham and Women's Hospital
Laboratory Boston, Massachusetts

Awards and Honors

2022 Honoree, Invented Here! Boston Patent Law Association
2022 Most Influential Black Executives in Savoy Magazine.
Corporate America
2022 Top Healthcare Technology CEO's *Healthcare Technology Report*
2021 Top Healthcare Technology CEO's *Healthcare Technology Report*
2019 Honoree, Invented Here! Boston Patent Law Association
2013 Honoree, Invented Here! Boston Museum of Science
2002-2013 America's Top Doctors *Castle Connolly Guide*
2002-2006 New York Metro Area Top Doctors *New York Magazine*
2004-2006 Top Black Doctors *The Network Journal*
2004,2008 America's Top Surgeons Consumer Research Council

2004	Top Heart Doctors for Women	<i>Good Housekeeping</i>
2004	Top 40 under 40 Professionals	<i>The Network Journal</i>
2003	Honored Member	<i>Strathmore's Who's Who Guide</i>
2002	New York's Top 100 Minimally Invasive Surgeons	New York Magazine
1998	International Traveling Fellowship	American Association of Thoracic Surgery
1998	Mosley Family Traveling Fellowship	Harvard Medical School
1993	Medtronic Cardiac Surgery Research Fellowship	Brigham and Women's Hospital
1991, 1995	Medical Student Teaching Award,	Brigham and Women's Hospital
1985	Phi Beta Kappa	Harvard College
1982, 1984, 1985	Harvard College Scholarship	Harvard College
1981, 1983	John Harvard Scholarship	Harvard College

Professional Societies

2011	Member	American Association of Thoracic Surgery
2006	Member	Society of Heart Valve Disease
2006	Member, Councilor	Arizona Chapter, American College of Cardiology
2003	Member Committee Chairman	Association of Black Cardiologists
2003	Member	New York County Medical Society
2003	Member	Medical Society of the State of New York
2003	Member	Society of Thoracic Surgeons
2002	Member	ASAIO
2002	Member Leadership Council	New York Society for Thoracic Surgery
2002	Member	National Medical Association
2001	Member President 2011	21 st Century Cardiac Surgery Society
2000	Member	Association for Academic Surgery
2000	Founding Member President 2006-2007	Association of Black Cardiovascular and Thoracic Surgeons
2000	Member Director 2006-2009	International Society for Minimally Invasive Cardiac Surgery
1999	Member	International Society for Heart and Lung Transplantation
1997	Associate Fellow	American College of Surgeons
1997	Member	American Heart Association Cardiovascular Surgery Council
1986	Member	American Medical Association
1986	Member	Massachusetts Medical Society

Other Professional Appointments

NATIONAL AND INTERNATIONAL

2023-Present	Member	Executive Committee	Advanced Medical Technology Association (AdvaMed)
2023-Present	Chairman	Health Equity and Diversity Committee	Advanced Medical Technology Association (AdvaMed)
2021-2022	Member	Board Strategic Planning Committee	Advanced Medical Technology Association (AdvaMed)
2021-Present	Member	Board of Directors Accel Board of Directors	Advanced Medical Technology Association (AdvaMed)
2020-Present	Member	International Board of Directors	Human Rights Watch
2016-2019	Member	Information Technology Committee	American Association of Thoracic Surgery
2013-Present	Member	New York Executive Committee	Human Rights Watch
2010	Chairman	Data Safety Monitoring Board	Cardiogenesis TMR+Stem Cell Trial
2010-2012	Member	Medical Advisory Board	StopAfib.org Atrial Fibrillation Patient Advocacy Organization
2006-2008	Member	Data Safety Monitoring Board	Dyax Corp – DX-88 Phase II trial
2006-2009	Director	Board of Directors	International Society for Minimally Invasive Cardiac Surgery
2006-2007	President		Association of Black Cardiovascular and Thoracic Surgeons
2006-2009	Member	Program Committee	International Society for Minimally Invasive Cardiac Surgery
2005-Present	Member	Editorial Board	Journal of Cardiothoracic Surgery
2005-2006	Member	Program Committee	International Society for Minimally Invasive Cardiac Surgery
2005-2006	Associate Editor	Cardiac Surgery Web Portal	American College of Surgeons
2005	Member	RUC 5-Year Review Expert Panel	Society of Thoracic Surgery
2004-2006	Member	Medicare Coverage Advisory Committee	Center for Medicare and Medicaid Services (CMS)
2004-2006	Chairman	Cardiovascular Surgery Committee	Association of Black Cardiologists
2004-2006	Member	Clinical Coordinating Center Surgical Committee	FREEDOM Trial
2003-2006	Member	Leadership Council	New York Society of Thoracic Surgery
2002-2005	Reviewer	Program Committee	American College of Cardiology

2003	Member	Program Committee	Cardiothoracic Techniques & Technologies Symposium
2003	Member	Clinical Events Committee	Ventrica Magnetic Vascular Positioning System Study
2002-Present	Member	Editorial Board	Heart Surgery Forum
2002	Chairman	Data Safety Monitoring Board	Plasma Kallikrein Inhibitor for use in CPB in conjunction with CABG Study
2000-2001	Member	Grant Review Committee	American Heart Association
2000-2001	Member	Program Committee	International Society for Minimally Invasive Cardiac Surgery
2000-2002	Member	Program Committee	Association for Academic Surgery
2000	Founding Member		Association of Black Cardiovascular and Thoracic Surgeons
1997	Member	Curriculum Implementation Task Force	Thoracic Surgery Directors' Association

LOCAL AND REGIONAL

2018-Present	Chairman	Board of Directors	Boston ECG Foundation
2007-2009	Member	Education Committee	Arizona Chapter of the American College of Cardiology
2006-2009	Director	Board of Directors	Arizona Chapter of the American College of Cardiology
2006-2008	Member	Leaders Circle	St. Joseph's Foundation
2006-2007	Member	Physician Leaders Council Clinical Leaders Council HLI Advisory Council	St. Joseph's Hospital & Medical Center Heart & Lung Institute
2005	Member	Heart Hospital IT Committee	Mount Sinai Medical Center
2003-2005	Member	Program Committee	New York Society of Thoracic Surgery
2003-2004	Chairman	Program Committee	New York Society of Thoracic Surgery
2003	Member	Admissions Committee	Mount Sinai School of Medicine
2003	Member	Infection Control Committee	Mount Sinai Medical Center
2003	Member	Critical Care Committee	Mount Sinai Medical Center
2003	Member	Supply Chain Improvement Committee	Mount Sinai Medical Center
2003	Member	Internal Communications Committee	Mount Sinai Medical Center
2001	Member	Minority Career Development Committee	Brigham and Women's Hospital
1999-2001	Member	Committee on Alumni Fellowships	Harvard Medical School
1990-1993	Member	Residents Committee	Brigham and Women's Hospital

Industry Affiliations

2020-2023	Member, Board of Directors Member, Audit Committee	ContraFect Corporation (Nasdaq: CFRX)
2020-2021	Member, Board of Directors Chair, Audit Committee	Viveon Health Acquisition Corp. (NYSE: VHAQ)
2019-Present	Executive Chairman	Veris Health, Inc.
2019-2022	Executive Chairman	Solys Diagnostics, Inc.
2021-Present	Chairman & CEO	Lucid Diagnostics, Inc.
2018-2021	Executive Chairman	Lucid Diagnostics, Inc.
2014-Present	Co-Founder, Chairman & CEO	PAVmed Inc (Nasdaq: PAVM)
2014-2018	Director	HCFP Inc.
2014-2018	Consultant	Mardil, Inc
2012-2016	Consultant	Angiodynamics, Inc
2010-2014	Vice Chairman, Chief Medical Officer	Global Healthcare Capital, LLC
2009-Present	Founder, Partner	Pavilion Medical Innovations, LLC
2009-2019	Consultant	ZimmerBiomet Inc.
2009-2012	Consultant	On-X Life Technologies, Inc
2009-2015	Medical Advisory Board, Chairman 2009-2011	EmpowHer Media, Inc
2007-2012	Consultant	Edwards Lifesciences, Inc
2007-2012	Consultant	Atricure, Inc
2007-2012	Founder, Chairman & Chief Technology Officer	Vortex Medical, Inc
2007-Present	Founder & Partner	Pavilion Holding Group, LLC
2006-2015	Scientific Advisory Board Member	Mardil, Inc.
2005-2006	Scientific Advisory Board Member	Myocor, Inc.
2005-2006	Scientific Advisory Board Member	Datascope, Inc.
2005-2008	Scientific Advisory Board Member	Medical CV, Inc
2003-2006	Scientific Advisory Board Member	Johnson & Johnson, Cardioventions,
2003-2006	Scientific Advisory Board Member	Medtronic Cardiac Surgery
2003-2005	Scientific Advisory Board Member	St. Jude Medical
2003-2006	Founder	FlexCor, Inc.
2001-2006	Scientific Advisory Board Member	Guidant Cardiac Surgery

U.S. Patents

ISSUED

8,052,751	Annuloplasty rings for repairing cardiac valves
8,075,510	Systems and methods for removing undesirable material within a circulatory system
8,486,099	Systems and methods for removal of intravascular leads
8,506,512	Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter
8,613,717	Systems and methods for removing and fragmenting undesirable material within a circulatory system

8,622,976 Systems and methods for infusion of fluids using stored potential energy and a variable flow resistor

8,632,558 Systems and methods for removal of intravascular leads

8,636,683 Systems and methods for bariatric therapy

8,734,374 Systems and methods for removing undesirable material within a circulatory system during a surgical procedure

8,956,383 Devices and methods for removing clots

9,155,384 Systems and methods for infusion of fluids using stored potential energy and a variable flow resistor

9,198,756 Tissue restraining devices and methods of use

D744,639 Cannula tip

9,289,295 Tissue restraining devices and methods of use

9,402,938 System and method for removing undesirable material within a circulatory system utilizing during a surgical procedure

9,456,888 Reversible vascular filter devices and methods for using same

9,492,653 Systems and methods for removal of intravascular leads

9,554,906 Tissue restraining devices and methods of use

10,213,245 Continuous flow balloon catheter systems and methods of use

10,252,034 Self-anchoring catheters and methods of use

10,335,189 Systems and methods for percutaneous division of fibrous structures

10,383,983 System and methods for removing undesirable material within a circulatory system utilizing during a surgical procedure

10,426,940 Intraosseous infusion ports and methods of use

10,434,296 Intraosseous infusion ports and methods of use

10,517,617 Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter

10,687,883 Continuous flow balloon catheter systems and methods of use

11,141,186 Systems and methods for percutaneous division of fibrous structures

11,259,837 Systems and methods for percutaneous division of fibrous structures

11,511,081 Self-anchoring catheters and methods of use

11,589,880 Systems and methods for removing undesirable material within a circulatory system during a surgical procedure

11,668,404 Systems and methods for variable flow resistor

PUBLISHED U.S. APPLICATIONS

US20050004665 Annuloplasty rings and methods for repairing cardiac valves

US20050004668 Annuloplasty rings and methods for repairing cardiac valves

US20090163846 Systems and methods for removing undesirable material within a circulatory system

US20110224715 Reversible vascular filter devices and methods for using same

US20110178543 Systems and methods for removal of intravascular leads

US20110213290 Systems and methods for removing undesirable material within a circulatory system

US20110213297 Systems and methods for removing undesirable material within a circulatory system during a surgical procedure

US20110213392 Systems and methods for removing undesirable material within a circulatory system

US20110213393 Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter

US20110213398 Systems and methods for removal of intravascular leads

US20110213469 Systems and methods for bariatric therapy

US20110224715 Reversible vascular filter devices and methods for using same

US20110251579 Systems and methods for infusion of fluids using stored potential energy and a variable flow resistor

US20110301634 Systems and methods for removing and fragmenting undesirable material within a circulatory system

US20120109144 Systems and methods for tissue or organ removal

US20120143225 Endoscopic fascial closure devices and methods for using same

US20120143239 Devices and methods for removing clots

US20120150193 System and methods for hysteroscopic tubular ligation

US20120157760 Tissue restraining devices and methods of use

US20120191012 Controllable stiffness guidewire

US20120290077 Tissue restraining devices and methods of use

US20130304082 Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter

US20140083529 Systems and methods for infusion of fluids using stored potential energy and a variable flow resistor

US20140107664 Systems and methods for removal of intravascular leads

US20140180188 Systems and methods for bariatric therapy

US20140221949 Systems and methods for removing undesirable material within a circulatory system during a surgical procedure

US20160113769 Tissue restraining devices and methods of use

US20160136410 Intraosseous infusion ports and methods of use

US20160151079 Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter

US20160151608 Self-Anchoring Catheters and Methods of Use

US20160157880 Systems and methods for percutaneous division of fibrous structures

US20160256275 Tissue restraining devices and methods of use

US20160262823 Continuous Flow Balloon Catheter Systems and Methods of Use

US20160303297 System and methods for removing undesirable material within a circulatory system utilizing during a surgical procedure

US20180199983 Continuous Flow Balloon Catheter Systems and Methods of Use

US20180199984 Continuous Flow Balloon Catheter Systems and Methods of Use

US20180242995 Systems and Methods for Percutaneous Division of Fibrous Structures

US20180256869 Intraosseous infusion ports and methods of use

US20180271552 Systems and methods for percutaneous division of fibrous structures

US20190151007	Continuous flow balloon catheter systems and methods of use
US20190151618	Self-anchoring catheters and methods of use
US20190151619	Self-anchoring catheters and methods of use
US20190151620	Self-anchoring catheters and methods of use
US20190321525	System and methods for removing undesirable material within a circulatory system utilizing during a surgical procedure
US20200121333	Systems and methods for removing undesirable material within a circulatory system utilizing a balloon catheter
US20200164117	Systems and methods for removing undesirable material within a circulatory system
US20200325999	Systems and Methods for a Variable Flow Resistor
US20200360667	Catheter Device System and Method of Use
US20210369337	Systems and Methods for Minimally-Invasive Division of Fibrous Structures
US20210386410	Device for Biological Cell Collection and Method of Use
US20210369256	Biological sampling device and method of use
US20220000513	Systems and Methods for Percutaneous Division of Fibrous Structures
US20220054115	Systems and Methods for Cell Collection and Protection of Harvested Cells
WO2022061262	Systems and methods for non-invasive solute measurement
US20220022910	Systems and Methods for Percutaneous Division of Fibrous Structures
WO2022169800	System and method for providing adjustable flow rate
WO2022170055	Systems and methods for variable flow resistance for a pump
WO2022710110	Systems and methods for priming a fluid line
WO2022204008	Continuous flow balloon catheter systems and methods of use
WO2022225887	Intraosseous infusion ports and methods of use
WO2022256307	Adjustable self-anchoring devices and methods of use
US20230000475	Biological sampling device and method of use
WO2023010006	Catheter status indicator and methods of use
WO2023044369	Infusion system with balloon ablation and methods of using same
WO2023049711	Vascular access devices, systems, and methods
WO2023049923	Systems and methods for percutaneous division of fibrous structures with visual confirmation
US20230149034	Systems and methods for removing undesirable material within a circulatory system during a surgical procedure
WO2023146961	Vascular sensing devices, systems, and methods
WO2023212367	Vascular access devices, systems, and methods
US20230329474	Systems and methods for a variable flow resistor
WO2023224945	Device for collecting a biological sample

Educational Activities

REGIONAL, NATIONAL AND INTERNATIONAL

2023	Moderator	Lucid Senior Executive Fireside Chat	Lucid Investor Day 2023
2023	Moderator	Physician Fireside Chat	Lucid Investor Day 2023
2023	Panelist	Digital Transformation Increasing Value Across Products, Services, and Operations	LSI USA '23 Emerging Medtech Summit, Dana Point, CA
2022	Panelist	Technologies Ushering in Next-Generation Diagnostics, Therapies, and Surgeries	BTIG Digital Health Forum
2022	Panelist	CEOs Unplugged Panel – Why Patients Matter	MedTech Conference
2022	Panelist		The Hill Future of Healthcare Summit
2022	Panelist	CEO Roundtable: Expectations from Leadership in 2023 and Beyond	Greenlight Guru True Quality 2022 Conference
2022	Panelist	Same Goal, Different Paths: CEO Spotlight on Raising Capital	Emerging MedTech Summit
2021	Panelist	Innovator Spotlight – Fundraising Paths and Success	Emerging MedTech Summit
2019	Moderator	Innovation Summit Session: The Surgeon as Innovator	American Association of Thoracic Surgery 99 th Annual Meeting, Toronto, Canada
2019	Judge	President's Innovation Challenge	Harvard Innovation Laboratory
2018	Judge	President's Innovation Challenge	Harvard Innovation Laboratory
2017	Judge	President's Innovation Challenge	Harvard Innovation Laboratory
2016	Panelist		International Society for Minimally Invasive Cardiac Surgery Annual Meeting, Montreal, Canada
2016	Judge	Dean's Challenge	Harvard Innovation Laboratory
2014	Panelist		International Society for Minimally Invasive Cardiac Surgery Annual Meeting, Boston, MA
2014	Judge, Mentor	Dean's Challenge	Harvard Innovation Laboratory
2014	Instructor	AngioVac	Angiodynamics Training Course
2013	Instructor	Cox-Maze IV	Atricure Training Course
2013	Instructor	AngioVac	Angiodynamics Training Course
2012	Instructor	Cox-Maze IV	Atricure Training Course
2012	Panelist	Venous Disease	iCON 2012: International Congress for Endovascular Specialists

2011	Instructor	Cox-Maze IV	Atricure Training Course
2010	Preceptor	Mitral Valve Repair	Rocky Mountain Valve Symposium XX, Missoula, Montana
2010	Moderator	Poster Sessions	International Society for Minimally Invasive Cardiac Surgery Annual Meeting, Berlin, Germany
2009	Moderator	Mitral Valve Disease	International Society for Minimally Invasive Cardiac Surgery – Winter Workshop, Delhi, India
2009	Moderator	Plenary Sessions	Asian Society of Cardiothoracic Surgery Seoul, Korea
2009	Moderator	Poster Sessions	International Society for Minimally Invasive Cardiac Surgery Annual Meeting
2009	Panel Member	Annual Health Care Conference	Cowen & Company
2008	Moderator	Plenary Session	International Society for Minimally Invasive Cardiac Surgery Annual Meeting
2008	Panel Member	Annual Health Care Conference	Cowen & Company
2007-2012	Co-Director	Valve Repair Educational Network	Edwards Lifesciences, Inc
2007	Moderator	Case Reports Session	International Society for Minimally Invasive Cardiac Surgery Annual Meeting
2007	Faculty	STS University - Valve Course	Society of Thoracic Surgeons
2006	Moderator	Plenary Sessions	International Society for Minimally Invasive Cardiac Surgery Annual Meeting Kyoto Japan
2006	Visiting Professor and Surgeon	Asian Surgical Education Symposium	Beijing and Shanghai, China Seoul, Korea
2006	Course Director	U-Clips in Coronary Surgery Symposium	Medtronic, Inc
2006	Faculty	STS University – Valve Course	Society of Thoracic Surgeons
2005	Moderator	Tech-Con Scientific Sessions	Society of Thoracic Surgeons
2005	Course Faculty	Resident Educational Program	Edwards Life Sciences
2005	Moderator	Plenary Sessions	International Society for Minimally Invasive Cardiac Surgery Annual Meeting
2004	Moderator	Advances in Surgery for Coronary Artery Disease Session	American College of Cardiology Annual Meeting

2004	Course Director	Off-Pump Coronary Bypass Surgery Course	Guidant Corporation
2004	Course Director	Transmyocardial Laser Revascularization Course	Edwards Life Sciences
2003	Course Director	Off-Pump Coronary Bypass Surgery Course	Guidant Corporation
2003	Course Director	Transmyocardial Laser Revascularization Course	Edwards Life Sciences
2003	Program Director	“Future of Cardiac Surgery” Symposium	Guidant Corporation
2003	Moderator	Surgical Sessions	American College of Cardiology Annual Meeting
2002	Course Director	Minimally Invasive Heart Surgery Symposium	Coalescent Surgical
2002	Course Director	Off-Pump Coronary Bypass Surgery Course	Guidant Corporation
2002	Faculty Member	Transmyocardial Laser Revascularization Course	Edwards Life Sciences
2003	Moderator	Plenary Session	Society of Thoracic Surgeons
2001	Course Director	Off-Pump Coronary Bypass Surgery Course	Guidant Corporation
2000	Course Director	Off-Pump Coronary Bypass Surgery Course	Guidant Corporation
2000	Visiting Professor	Department of Cardiothoracic Surgery	University of New Mexico

LOCAL

2006-2012	Co-Director	Living with Heart Valve Disease Symposium	St. Joseph’s Hospital and Medical Center
2007-2012	Co-Director	Living with Atrial Fibrillation Symposium	St. Joseph’s Hospital and Medical Center
2004	Preceptor	Surgical Residency	Mount Sinai Medical Center
2003	Preceptor	College Enrichment Program	Mount Sinai Medical Center
2003-2005	Preceptor	Cardiovascular Medicine Elective	Mount Sinai Medical School
2002-2006	Associate Program Director	Thoracic Surgery Residency	Mount Sinai Medical Center
2000	Preceptor	Introduction to Clinical Medicine	Harvard Medical School
1994,1995	Instructor	Cardiovascular Physiology Laboratory	Harvard Medical School
1993	Instructor	Basic Surgical Skills Course	Harvard Medical School
1986-1989	Member	Human Systems Curriculum Design Committee	Harvard Medical School

Research Activity

2013-2016	Co-Investigator	Surgical Pulmonary Embolectomy as Routine therapy (SPEAR) Study Group
2010-2012	Principal Investigator	Study to Evaluate the safety and efficacy of the XIENCE V® / XIENCE PRIME™ in subjects with unprotected Left Main disease with or without other significant coronary lesions in comparison to CABG (IRB pending)
2010-2012	Principal Investigator	An Explorative Phase 2, Randomized, Double-Blind, Placebo-Controlled, Safety and Efficacy Trial of Two Dosing Regimens of AP214 for the Prevention of Kidney Injury in Patients Undergoing Cardiac Surgery (IRB pending)
2009-2012	Principal Investigator	A randomized, multicenter, double-blind, group sequential study to evaluate the efficacy, immunogenicity, and Safety of a single dose of Merck 0657nl <i>Staphylococcus Aureus</i> Vaccine (B710) in Adult Patients Scheduled for Cardiothoracic Surgery (IRB #08HL080).
2009-2012	Co- Investigator	A Prospective, Randomized-Controlled, Multicentered Study Evaluating Primary Plating in High-Risk Median Sternotomy Patients for Osteosynthesis and Pain (IRB#08HL099)
2008-2012	Principal Investigator	Bilateral Internal Mammary Coronary Grafting in Conjunction with Rigid Sternal Fixation (IRB#10HL088)
2009-2012	Principal Investigator	Coronary Artery Bypass Grafting with Ring Annuloplasty in Ischemic Mitral Regurgitation (IRB#10HL055)
2009-2012	Principal Investigator	Post-operative Review of Patients Who Underwent the Maze Procedure: (IRB#10HL056).
2008-2010	Co- Investigator	Study to Evaluate Endoscopic Vessel Harvesting (EVH) using VASOVIEW HemoPro, (IRB#08HL114)

Publications

ORIGINAL PEER-REVIEWED ARTICLES

1. Kwiatkowski DJ, **Aklog L**, Ledbetter DH, Morton CC. Identification of the functional profilin gene, its localization to chromosome subband 17p13.3, and demonstration of its deletion in some patients with Miller-Dieker syndrome. *American Journal of Human Genetics* 1990;46:559-67.
2. Smith WJ, **Aklog L**, Murphy MP, Rizzo RJ, Laurence RG, Couper GS, Cohn LH, Appleyard RF. Milrinone improves right ventricular dysfunction after cardiopulmonary bypass by reducing pulmonary vascular resistance and not from contractility enhancement. *Surgical Forum* 1990;44:291-293.
3. Smith WJ, Murphy MP, Appleyard RF, Rizzo RJ, **Aklog L**, Laurence RG, Cohn LH. Prevention of complement-induced pulmonary hypertension and improvement of right ventricular function by selective thromboxane receptor antagonism. *Journal of Thoracic & Cardiovascular Surgery* 1994;107:800-6.
4. Rizzo RJ, Aranki SF, **Aklog L**, Couper GS, Adams DH, Collins JJ, Kinchla NM, Allred EN, Cohn LH. Rapid noninvasive diagnosis and surgical repair of acute ascending aortic dissection: Improved survival with less angiography. *Journal of Thoracic and Cardiovascular Surgery* 1994;108:567-74.

5. **Aklog L**, Murphy MP, Chen FY, Smith WJ, Laurence RG, Appleyard RF, Cohn LH. Right latissimus dorsi cardiomyoplasty improves left ventricular function by increasing peak systolic elastance (E_{max}). *Circulation* 1994;90:II112-9.
6. Chen FY, **Aklog L**, deGuzman BJ, Laurence RG, Couper GS, Appleyard RF, Cohn LH, McMahon TA. New technique measures decreased transmural myocardial pressure in cardiomyoplasty. *Annals of Thoracic Surgery* 1995;60:1678-82.
7. Chen FY, deGuzman BJ, **Aklog L**, Lautz DB, Ahmad RM, Laurence RG, Couper GS, Cohn LH, McMahon TA. Decreased myocardial oxygen consumption indices in dynamic cardiomyoplasty. *Circulation* 1996;94:II239-44.
8. **Aklog L**, Chen FY, deGuzman BJ, Murphy MP, Smith WJ, Laurence RG, Appleyard RF, Cohn LH. Right Latissimus Dorsi Cardiomyoplasty Improves Left Ventricular Energetics. *Annals of Thoracic Surgery* 1997;64:670-7.
9. Chen FY, Lautz DB, deGuzman BJ, **Aklog L**, Ahmad RM, Laurence RG, Couper GS, Cohn LH, McMahon TA. An engineering model of dynamic cardiomyoplasty I. *Annals of Biomedical Engineering* 1998;26:441-53.
10. Chen FY, **Aklog L**, deGuzman BJ, Ahmad RM, Laurence RG, Couper GS, Cohn LH, McMahon TA. An engineering model of dynamic cardiomyoplasty II: Clinical applications. *Annals of Biomedical Engineering* 1998;26:454-61.
11. **Aklog L**, Adams DH, Couper GS, Gobezie R, Sears S, Cohn LH. Techniques and results of direct-access minimally invasive mitral valve surgery: A paradigm for the future. *Journal of Thoracic and Cardiovascular Surgery* 1998;116:705-15.
12. **Aklog L**, Carr-White GS, Birks EJ, Yacoub MH. Pulmonary Autograft versus Aortic Homograft for Aortic Valve Replacement: Interim Results from a Prospective Randomized Trial. *Journal of Heart Valve Disease* 2000;9:176-89.
13. Byrne, J. G.; **Aklog, L.**, and Adams, D. H. Assessment and management of functional or ischaemic mitral regurgitation. *Lancet*. 2000 May 20;355(9217):1743-4.
14. Byrne JG, Karavas AN, Adams DH, **Aklog L**, Aranki SF, Couper GS, Rizzo RJ, Cohn LH. Partial upper re-sternotomy for aortic valve replacement or re-replacement after previous cardiac surgery. *European Journal of Cardio-thoracic Surgery* 2000;18:282-6.
15. Byrne, JG, Hsin MK, Adams DH, **Aklog L**, Aranki SF, Couper GS, Rizzo RJ, Cohn, LH. Minimally invasive direct access heart valve surgery. *Journal of Cardiac Surgery* 2000;15:21-34.
16. **Aklog, L**, Emergency Surgical Pulmonary Embolectomy. *Seminars in Vascular Medicine* 2001;1(2):235-246.
17. Byrne, JG, **Aklog L**, Adams DH, Cohn LH, Aranki SF. Reoperative CABG using left thoracotomy: a tailored strategy. *Annals of Thoracic Surgery* 2001;71:196-200.
18. Danton MH, Byrne JG, Flores KQ, Hsin MK, Martin JS, Laurence RG, Cohn LH, **Aklog L**. Modified Glenn Connection For Acutely Ischemic Right Ventricular Failure Reverses Secondary Left Ventricular Dysfunction. *Journal of Thoracic and Cardiovascular Surgery* 2001;122(1)80-91.
19. Byrne JG, Karavas AN, **Aklog L**, Adams DH, Cheung AC, Cohn LH, Aranki SF. Aortic Valve Reoperation after Homograft or Autograft Replacement. *The Journal of Heart Valve Disease* 2001;10:451-457.
20. **Aklog L**, Filsoufi F, Flores KQ, Chen RH, Cohn LH, Nathan NS, Byrne JG, Adams DH. Does coronary artery bypass grafting alone correct moderate ischemic mitral regurgitation? *Circulation* 2001;104:I68-I75.
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Presentations

REGIONAL, NATIONAL AND INTERNATIONAL

2023

The Lucid Diagnostics Story

Lucid Investor Day

2023	EsoGuard: Unprecedented Precancer Detection	Lucid Investor Day
2022	Medical Device Playbook 2022 (Toronto, Canada)	Building Medical Device Companies from Scratch – Lessons and Insights From One Clinician Entrepreneur’s Magical Journey.
2021	MDG Boston 2021	The Business of Physician Innovation
2019	2019 Vascular Annual Meeting (Washington, DC)	The Pulmonary Embolism Team - The Cardiac Surgeon's Perspective
2019	SVS @ STS: Sharing Common Ground for Cardiovascular Problems (Toronto, Canada)	The Pulmonary Embolism Team - The Cardiac Surgeon's Perspective
2016	21 st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (Cancun, Mexico)	Alternative ECMO Pathways
2015	Cardiovascular Surgery Exchange Symposium (Havana, Cuba)	Fundamentals of Mitral Valve Repair
2015	University of Maryland Medical Center (Baltimore, MD)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2015	Princess Margaret Cancer Center (Toronto, Canada)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2015	University of North Carolina (Raleigh, NC)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2015	Hackensack University Medical Center (Hackensack, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2015	21 st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (Cancun, Mexico)	Venapax – Next Generation Endoscopic Vessel Harvesting
2015	Toronto General Hospital (Toronto, Canada)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2015	Inova Medical Center (Fairfax, VA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Lehigh Valley Medical Center (Lehigh Valley, PA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Minneapolis Heart Institute (Minneapolis, MN)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2014	Northeast Cardiac Surgical Society (NH)	Venapax – Next Generation Endoscopic Vessel Harvesting

2014	Hackensack University Medical Center (Hackensack, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Cardiovascular Roundtable (Chicago, IL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	International Society of Minimally Invasive Cardiac Surgery Innovation Symposium (Boston, MA)	Medical Device Innovation – from Bedside to Bedside
2014	Harvard Medical School Class of 1989 Reunion Symposium (Boston, MA)	Medical Device Innovation – from Bedside to Bedside
2014	St. Barnabas Medical Center Medical Center (Livingston, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Tufts New England Medical Center (Boston, MA)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2014	Broward Health Medical Center (Fort Lauderdale, FL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Stony Brook University Medical Center (Stony Brook, NY)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Geisinger Medical Center (Danville, PA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	Lehigh Valley Medical Center (Allentown, PA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	St. Luke’s Medical Center/Mid America Heart Institute Grand Rounds (Kansas City, MO)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2014	Charleston Vascular Club (Charleston, SC)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	St. Francis Heart Center (Indianapolis, IN)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2014	21 st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (Grand Cayman, Cayman Islands)	NextFlo – Highly Accurate Disposable Infusion Pumps
2014	Englewood Hospital and Medical Center (Englewood, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material

2014	Atlantic City Medical Center (Atlantic City, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Wake Forest Medical Center Surgical Grand Rounds (Wake Forest, NC)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2013	Prince George’s Hospital Center (Hyattsville, MD)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	University of Miami Medical Center (Miami, FL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Community Hospital (Munster, IN)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Carilion Clinic (Roanoke, VA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Lady of Lourdes Medical Center (Camden, NJ)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	St. Luke’s Medical Center/Mid- America Heart Institute (Kansas City, MO)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Bay Medical Center (Panama City, FL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	University of Pittsburgh Medical Center (Pittsburgh, PA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	University Hospital (Augusta, GA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	University of West Virginia (Charleston, WV)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Baptist Health Heart Hospital (Jacksonville, FL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	George Washington University Medical Center (Washington, DC)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Reading Medical Center (Reading, PA)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material

2013	North Mississippi Medical Center (Tupelo, MS)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Washington Hospital Center (Washington, DC)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Southern Ohio Medical Center (Portsmouth, OH)	Mechanical Treatment of Pulmonary and Venous Thrombo- embolism and Other Undesirable Intravascular Material
2013	21 st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (Miami Beach, FL)	LeadRail – Safe and Effective Lead Extraction
2013	Christ Medical Center (Chicago, IL)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Surgery Grand Rounds Beth Israel Medical Center (New York, NY)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2013	Jewish Hospital (Louisville, KY)	AngioVac – Endovascular <i>En Bloc</i> Removal of Undesirable Intravascular Material
2012	St. Clair Health Center (St. Louis, MO)	AngioVac – <i>En Bloc</i> Removal of Undesirable Intravascular Material
2012	Edwards Lifesciences (Phoenix, AZ)	Mitral and Tricuspid Valve Repair
2012	21 st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (Boca Raton, FL)	Mitralis – Repair of Degenerative Mitral Regurgitation Using Leaflet Restraint
2011	XXth Argentinean Congress of Cardiovascular and Endovascular Surgery (Buenos Aires, Argentina)	Rigid Sternal Fixation using Titanium Plates and Screws
2011	Rush University Medical Center Department of Cardiothoracic Surgery (Chicago, IL)	Mechanical Treatment of Venous Thromboembolism
2011	Tennessee Perfusion Association Symposium (Nashville, TN)	<i>En Bloc</i> Removal of Undesirable Intravascular Material using the AngioVac Catheter and Circuit
2011	Society of Heart Valve Disease / Heart Valve Society of America Biennial Symposium (Barcelona, Spain)	Mitral and Tricuspid Valve Tissue Engineered Reconstruction Using Bioresorbable Acellular Xenograft
2011	Advanced Cardiac Techniques in Surgery (New York, NY)	AngioVac <i>En Bloc</i> Removal of Undesirable Intravascular Material
2011	Interventional Cardiology 2011: 26 th International Symposium	AngioVac <i>En Bloc</i> Removal of Undesirable Intravascular Material

2011	21st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (San Juan, PR)	AngioVac Update
2011	Society of Thoracic Surgery, Tech-Con 2011 (San Diego, CA)	Surgical and New Interventional Treatment of Pulmonary Embolism
2010	Northeast Cardiac Surgical Society	Mechanical Treatment of Major Venous Thromboembolic Disease
2010	Mount Sinai Medical Center Department of Cardiothoracic Surgery, Visiting Professor Grand Rounds	Mechanical Treatment of Major Venous Thromboembolic Disease
2010	21st Century Cardiothoracic Surgery Society, James Magovern Scientific Sessions (San Juan, PR)	The Physician as Inventor-Entrepreneur
2010	Society of Thoracic Surgery Satellite Symposium (Fort Lauderdale, FL)	SternaLock Rigid Fixation - Bringing Sternal Closure to the 21st Century
2009	International Society of Minimally Invasive Cardiothoracic Surgery Winter Workshop (Delhi, India)	Percutaneous Mitral Valve Repair – Progress or Impasse
2009	Asian Society of Cardiothoracic Surgery (Seoul, Korea)	SternaLock Rigid Fixation - Bringing Sternal Closure to the 21st Century
2009	Asian Society of Cardiothoracic Surgery (Seoul, Korea)	Recent Trends in Non-Transplant Surgery for Heart Failure
2009	Asian Society of Cardiothoracic Surgery (Seoul, Korea)	Choice of Mitral Annuloplasty
2009	Asian Society of Cardiothoracic Surgery (Seoul, Korea)	Off-Pump and Minimally Invasive Coronary Artery Bypass Grafting Techniques
2009	Asian Society of Cardiothoracic Surgery (Seoul, Korea)	Facilitating Devices for Off-Pump Coronary Artery Bypass Grafting – The Essentials
2009	21st Century Cardiothoracic Surgery Fall Meeting (Houston, TX)	Endovascular Treatment of Venous Thromboembolism
2008	International Society of Minimally Invasive Cardiothoracic Surgery Winter Workshop (Okinawa, Japan)	Minimally Invasive Mitral Valve Surgery – A Decade Later
2008	Cobe Medical Center Grand Rounds (Globe, AZ)	The Repair Imperative – Update on Valvular Heart Disease
2008	Arizona Physician Assistants Association Annual Meeting (Sedona, AZ)	The Repair Imperative – Update on Valvular Heart Disease
2008	Guidant Cardiac Surgery Meeting (Las Vegas, NV)	Arterial Grafting for CABG
2007	Kaiser Permanente Medical Center Grand Rounds (Los Angeles, CA)	Tricuspid Valve Repair
2007	Edwards Lifesciences	Mitral Valve Repair

2007	Valve Repair Educational Network (Phoenix, AZ)	Update on Valvular Heart Disease Valve Repair – State of the Art
2007	American Thoracic Society (San Francisco, CA)	Pulmonary Embolectomy
2007	Arizona Osteopathic Medicine Association	Valvular Heart Disease
2007	21st Century Cardiac Surgery	The Heart Valve Clinic
2006	Arizona Academy of Family Practitioners (Phoenix, AZ)	Update on Valvular Heart Disease
2006	American College of Surgeon Post- Graduate Course (Chicago, IL)	Mitral Valve Disease
2006	International Society of Minimally Invasive Cardiac Surgery Annual Meeting – MitroFast Symposium (San Francisco, CA)	Closing the Repair Gap: Potential Applications for Mitrofast
2006	Mount Sinai Medical Center Cardiovascular Institute (New York, NY)	Arterial Conduits for Coronary Bypass Surgery
2006	Asian Surgical Education Symposia (Kyoto, Japan; Beijing and Shanghai, China; Seoul, Korea; Taipei, Taiwan)	All-Arterial Coronary Bypass Surgery
2006	Medtronic “Why Knot” Symposium	U-clips in Coronary Surgery
2006	The Heart & Lung Institute St. Joseph’s Hospital Medical Center (Phoenix, AZ)	Surgery for Mitral Valve Disease
2005	North Shore Medical Center (New York, NY)	Intra-Aortic Balloon Pumping in Cardiac Surgery
2005	Edwards Life Sciences Thoracic Surgery Residents Course (Irvine, CA)	Surgical Management of Ischemic Mitral Regurgitation
2005	Novel Strategies in Cardiovascular Medicine (Orlando FL)	Surgery for Mitral Valve Disease - Preoperative Assessment and Overview of Modern Surgical Techniques
2005	21st Century Cardiac Surgery Society (Orlando, FL)	The FREEDOM Trial – A new lease for CABG or the last nail in the coffin?
2004	Transmyocardial Laser Revascularization Course (New York, NY)	The Paradigm Shift in Surgery for Ischemic Heart Disease
2004	Off-Pump Coronary Bypass Surgery Course (Atlanta, GA)	Surgery for Ischemic Heart Disease – A New Paradigm
2004	American College of Surgeons Postgraduate Course	Minimally Invasive Coronary Artery Bypass Grafting
2004	Anesthesiology Post-Graduate Assembly (New York, NY)	Robotic Cardiac Surgery
2004	St. Jude Medical Update on Cardiology and Cardiac Surgery (Minneapolis, MN)	Drug-eluting stents – A Surgeon’s Perspective
2004	21st Century Cardiac Surgery Society (Phoenix, AZ)	Beating Heart Mitral Valve Repair

2004	Society of Thoracic Surgeons (San Antonio, TX)	Strategies for Securing an Academic Job in Cardiothoracic Surgery
2003	Off-Pump Coronary Bypass Surgery Course (Tucson, AZ)	New Paradigm and Innovative Strategies for Establishing a Ischemic Heart Surgery Practice
2003	International Symposium on Thromboembolism (Sendai, Japan)	Emergency Surgical Pulmonary Embolectomy
2003	European Association of Cardiothoracic Surgery - Techno College (Vienna, Austria)	Keynote Presentation: New Surgical Technology for Ischemic Heart Disease
2003	European Association of Cardiothoracic Surgery – Techno College, (Vienna, Austria)	Can They Do It All? - A Surgeon's Perspective
2003	19th Annual Cardiovascular Symposium Henry Low Heart Center, (Hartford, CT)	Surgery for Ischemic Heart Disease - Surrender? Never!!!
2003	Minimally Invasive Valve and Coronary Surgery Course (Las Vegas, NV)	Sutureless Mitral Valve Repair – Animal Studies
2003	International Society for Minimally Invasive Cardiac Surgery Annual Meeting – Future of Cardiac Surgery Symposium (San Francisco, CA)	Ten Things You Can Do To Save Your Specialty Cardiac
2003	Plenary Session International Society for Minimally Invasive Cardiac Surgery Annual Meeting (San Francisco, CA)	Sutureless Mitral Valve Repair
2003	Keynote Presentation Iowa Society of Thoracic Surgery Annual Meeting (Des Moines, IA)	Surgery for Ischemic Heart Disease – A Call to Arms!!
2003	Future of Cardiac Surgery Symposium (Las Vegas, NV)	Surgery for Ischemic Heart Disease – R.I.P.?
2003	Sutureless Cardiac Surgery Symposium Cardiovascular Techniques and Technologies Annual Meeting (Miami, FL)	Sutureless Mitral Valve Surgery
2003	OPCAB Symposium, Cardiovascular Techniques and Technologies Annual Meeting (Miami, FL)	OPCAB and Neurological Outcome - Current Evidence and Impact of Aortic Manipulation
2003	Fourth International Forum: Controversies and Innovations in Cardiac Surgery and Cardiology (Palm Springs, CA)	Ischemic Mitral Regurgitation: Repair or Replace? Which Technique? Which Ring?
2003	21st Century Cardiac Surgical Society Annual Meeting (Orlando, FL)	Sutureless Mitral Valve Surgery
2003	XXth Annual Anesthesia Update (Antigua)	OPCAB Overview
2002	Off-Pump Coronary Bypass Surgery Course (Tucson, AZ)	OPCAB Overview – Basic Principles and Evidence Base

2002	Coalescent Vision Meeting (Las Vegas, NV)	The Technologic Revolution in Cardiac Surgery
2002	Guidant Technology Expo (Santa Clara, CA)	The Technologic Revolution in Cardiac Surgery
2002	Utrecht MIDCABG Workshop European Association of Cardiothoracic Surgery Annual Meeting (Monaco, Monte Carlo)	Anastomotic Healing – Implications for the Design of Distal Anastomotic Devices
2002	Plenary Session, International Society for Minimally Invasive Cardiac Surgery Annual Meeting (New York, NY)	Distal Anastomotic Devices – The Coalescent Surgical U-Clip
2002	Sutureless Cardiac Surgery Symposium International Society for Minimally Invasive Cardiac Surgery Annual Meeting (New York, NY)	Sutureless Mitral Valve Surgery
2002	OPCAB Symposium American Association of Thoracic Surgery Annual Meeting	Expanding OPCAB in Your Practice – The Role of Enabling Technologies
2002	Plenary Session American Association of Thoracic Surgery Annual Meeting	Impact of Residual Mitral Regurgitation on Survival after CABG and Annuloplasty for Ischemic Mitral Regurgitation
2002	Eastern Ohio Cardiovascular Symposium (Youngstown, OH)	OPCAB Overview
2002	Meet the Experts Session, Society of Thoracic Surgeons Annual Meeting (Fort Lauderdale, FL)	Alternative CABG Techniques
2002	OPCAB Symposium, Society of Thoracic Surgeons Annual Meeting (Fort Lauderdale, FL)	Enabling Technologies in Advancing CABG
2002	Plenary Sessions, Cardiothoracic Techniques and Technologies Symposium (Fort Lauderdale, FL)	OPCAB Overview – Enabling Technologies
2002	Coalescent Cardiac Surgery Vision Meeting (Las Vegas, NV)	Minimally Invasive CABG 2.0
2001	Aventis Behring Cardiac Surgery Conference (Washington, DC)	Albumin in Cardiothoracic Surgery
2001	OPCAB Center of Excellence Course Lankenau Medical Center (Lankenau, PA)	Managing Hemodynamics During OPCAB Mechanisms, Techniques and Enabling Technologies to Achieve Complete Revascularization
2001	Guidant OPCAB Symposium (Phoenix, AZ)	Managing Hemodynamics During OPCAB Mechanisms, Techniques and Enabling Technologies to Achieve Complete Revascularization
2001	Grand Rounds, Maine Medical Center (Portland, ME)	The Management of Ischemic MR at the Time of Coronary Artery Bypass Grafting

2001	OPCAB Symposium	Managing Hemodynamics during OPCAB
2001	Society of Black Academic Surgeons (Boston, MA).	The "Fantastic Voyage" Becomes a Reality
2000	Congres Chirurgie (Paris, France)	Does coronary artery bypass grafting alone correct moderate ischemic mitral regurgitation
2000	Visiting Professor University of New Mexico (Albuquerque, NM)	Off-Pump CABG, Robotics and Ischemic Mitral Regurgitation.
2000	Surgical Grand Rounds Massachusetts General Hospital (Boston, MA)	Acute Surgical Pulmonary Embolectomy – Improved Results with a Collaborative Interventional Approach
2000	American College of Cardiology: Santa Fe Colloquium on Cardiovascular Therapy (Santa Fe, NM)	Surgery for coronary artery disease: Recent advances
2000	Thrombosis and Thromboembolism: New Strategies for Improved Patient Care (Brookline, MA)	Surgical embolectomy for pulmonary embolism.
2000	National Perfusion Meeting (Boston, MA)	Robotic Heart Surgery. The "Fantastic Voyage" (Cambridge, Becomes a Reality”
2000	Association for Academic Surgery (Tampa Bay, FL).	Is Gender an Independent Predictor of Survival after CABG
2000	American Heart Association (New Orleans, LA)	Does Coronary Artery Bypass Grafting Alone Correct (New Moderate Ischemic Mitral Regurgitation?
2000	Millennium Symposium on Recent Advancement of Treatment for Pulmonary Thromboembolism. Chiba University School of Medicine (Chiba City, Japan)	Acute Pulmonary Thromboembolectomy
2000	Cardiology Grand Rounds, Mie University Medical School (Mie, Japan)	Surgical Embolectomy for Acute Pulmonary Thromboembolism Including Timing and Indication of Surgical Treatment
1999	CTSNet Grand Rounds [online]	Minimally Invasive Mitral Valve Surgery

LOCAL

2011	Amazing Women (Phoenix, AZ)	“Pump it up”, Women’s Heart Health
2011	St. Joseph’s Hospital & Medical Center CV Nurse Symposium (Phoenix, AZ)	The Repair Imperative Arterial CABG OPCAB
2010	Cardiology Lecture (Payson, AZ)	The Repair Imperative Atrial Fibrillation: A Disease with a Cure
2010	St. Joseph’s Hospital & Medical Center CV Nurse Symposium (Phoenix, AZ)	The Repair Imperative OPCAB
2009	Scottsdale Senior Center (Scottsdale, AZ)	New Cures in Heart Disease
2008	St. Joseph’s Hospital & Medical Center CV Nurse Symposium (Phoenix, AZ)	Arterial Grafting for CABG

2008	St. Joseph's Foundation Heritage Tour Symposium (Phoenix, AZ)	Cardiac Surgery Innovations
2008	Glendale Public Library (Glendale, AZ)	New Cures in Heart Disease
2007	Boulders Community Association (Carefree, AZ)	Update on Cardiovascular Disease
2006	Valley Anesthesia TEE Conference (Phoenix, AZ)	Mitral Valve Repair – Overview
2006	Cardiac Catheterization Conference, Bayonne Hospital (Bayonne, NJ)	Mitral Valve Repair
2006	Liberty Heart Institute Jersey City Medical Center (Jersey City, NJ)	Intra-Aortic Balloon Pumping in Cardiac Surgery
2005	2nd Year Cardiovascular Pathophysiology Course, Mount Sinai School of Medicine	Cardiac Surgery Overview
2004	2nd Year Cardiovascular Pathophysiology Course, Mount Sinai School of Medicine	Cardiac Surgery Overview
2004	Cardiology Conference Elmhurst Hospital Center	Surgery for Ischemic Heart Disease – A New Paradigm
2004	Black History Month Lecture Mount Sinai Medical Center	Racial Disparities in Cardiovascular Care
2003	2nd Year Cardiovascular Pathophysiology Course, Mount Sinai School of Medicine	Cardiac Surgery Overview
2003	Cardiology Conference Mount Sinai Medical Center	Hybrid Revascularization
2003	Cardiology Grand Rounds Queens Hospital Center	Surgery for Ischemic Heart Disease – a New Paradigm
2003	Cardiology Grand Rounds Mount Sinai Medical Center	Surgery for Coronary Artery Disease – Does it Have a Future?
2003	Cardiac Anesthesia Conference Mount Sinai Medical Center	Overview of Myocardial Protection
2003	Cardiac Surgery Conference Mount Sinai Hospital Queens	The Technologic Revolution in Cardiac Surgery
2002	2nd Year Cardiovascular Pathophysiology Course, Mount Sinai School of Medicine	Cardiac Surgery Overview
2002	Cardiac Surgery Grand Rounds Mount Sinai Medical Center	Aortic Valve Replacement in Young and Middle Aged Adults – Overview and Insights from a Prospective Randomized Trial
2002	Cardiology/Cardiac Surgery Conference, Elmhurst Hospital Center	The Technologic Revolution in Cardiac Surgery
2002	Cardiac Surgery Grand Rounds Mount Sinai Medical Center	Acute Surgical Pulmonary Embolectomy
2001	Cardiology Conference Brigham & Women's Hospital	Minimally Invasive Mitral Valve Surgery

2001	Anesthesia Conference Brigham and Women's Hospital	Acute Surgical Pulmonary Embolectomy Improved Results with a Collaborative Approach
2001	Clinical Cardiology Conference Brigham and Women's Hospital,	Overview of Off-Pump CABG
2001	Swiss Cardiology Symposium Brigham and Women's Hospital	Robotic Cardiac Surgery – The Fantastic Voyage Becomes a Reality
2000	MetroWest Medical Center Specialty Rounds (Natick, MA)	Surgical Management of Intracardiac Masses
2000	Medicine and Pathology Conference Brigham and Women's Hospital	Aortic Valve Endocarditis
2000	Department of Surgery Conference Brigham and Women's Hospital	Aortic dissection after recent CABG
2000	Department of Surgery Grand Rounds Brigham and Women's Hospital	Coronary artery bypass grafting in the new millennium: Technology ups the ante
1999	CTSNet Grand Rounds [online]	Minimally Invasive Mitral Valve Surgery
1999	Cardiac Surgery Grand Rounds Brigham & Women's Hospital	Aortic Valve Replacement in Young and Middle- Aged Adults: Insights from a Randomized Trial of Autograft versus Homograft.”
1999	Cardiology Clinical Conference Brigham and Women's Hospital	Surgical Management of Aortic Valve Endocarditis
1999	Cardiovascular Grand Rounds Brigham & Women's Hospital	Aortic Valve Replacement in Young and Middle- Aged Adults: Insights from a Randomized Trial of Autograft versus Homograft.”
1999	Cardiac Surgery Grand Rounds Brigham and Women's Hospital	Aortic valve replacement in the young and middle aged.

Testimony

2023	House Energy and Commerce Committee, Subcommittee on Health, Hearing	Innovation Saves Lives: Evaluating Medicare Coverage Pathways for Innovative Drugs, Medical Devices, and Technology
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