

Personal Information

Full Name: Vigneshwar Kasirajan, M.D.

Title: Stuart McGuire Professor and Chair, Department of Surgery

Business Name: Virginia Commonwealth University

Business Address: 1200 E Broad Street, PO Box 980645

Richmond, VA 23298, Richmond, VA 23298

Phone: 804-828-2774

Fax: 804-827-1016

Email: vigneshwar.kasirajan@vcuhealth.org

Professional Summary

Primary Departmental Specialization Area/Field

Cardiothoracic Surgery

Areas of Expertise and Interest

Cardiothoracic Surgery

Heart Failure

Artificial Heart

Ventricular Assist Devices

Heart Transplantation

Cardiac Arrhythmias

Education

Post Graduate

Administrative Chief Resident in Thoracic and Cardiovascular Surgery, Cleveland Clinic Foundation, Cleveland, OH

07/1999 - 06/2000

Resident in Thoracic and Cardiovascular Surgery, Cleveland Clinic Foundation, Cleveland, OH

07/1997 - 06/1999

Cardiothoracic Transplantation and Mechanical Assist Devices Fellowship, Cleveland Clinic Foundation, Cleveland, OH

07/1996 - 06/1997

Administrative Chief Resident in General Surgery, Cleveland Clinic Foundation, Cleveland, OH

07/1995 - 06/1996

Resident in General Surgery, Cleveland Clinic Foundation, Cleveland, OH
07/1991 - 06/1995

Resident in General Surgery, Government General Hospital, Madras, India
09/1989 - 06/1991

Senior House Officer in General Surgery, Government Rajaji Hospital, Madurai, India
08/1988 - 05/1989

Internship in General Surgery, Government General Hospital, Madras, India
07/1987 - 07/1988

Graduate

Executive Fellowship (Health Care) Williamson Institute for Healthcare Policy, Virginia Commonwealth University
06/2008 - 05/2009

M.B.B.S (Bachelor of Medicine and Surgery, 1987) Madras Medical College, Madras, India
07/1982 - 06/1987

Certification & Licensure

Licensure

Medical License, Commonwealth of Virginia

Medical License, State of Ohio

Cardiowest Artificial Heart Implantation

Ventricular Assist Devices

Heart Transplantation

Laser Surgery for Transmyocardial Revascularization

Edwards Transcatheter Heart Valve Fundamentals Training Program

Certification

American Board of Surgery
06/1997

American Board of Thoracic Surgery
06/1997

Hospital Appointments

Virginia Commonwealth University Medical Center

Kasirajan, Vigneshwar

Hunter Holmes McGuire Veterans Administration Medical Center

Academic Appointment History

Professor with Tenure, Department of Surgery, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
07/2015 - Present

Stuart McGuire Professor, Chair of Surgery, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
10/2014 - Present

Professor, Department of Surgery, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
07/2010 - 06/2015

Associate Professor (teaching appointment), Department of Physiology, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
01/2008 - 06/2015

Associate Professor, Department of Surgery, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
07/2004 - 06/2010

Assistant Professor, Department of Surgery, School of Medicine, Virginia Commonwealth University, Richmond, Virginia
07/2000 - 06/2004

Employment History

Chairman, Department of Surgery, Virginia Commonwealth University Medical Center, Richmond, Virginia
07/2014 - Present

Interim Chairman, Department of Surgery, Virginia Commonwealth University Medical Center, Richmond, Virginia
07/2013 - 06/2014

Executive Vice Chair, Department of Surgery, Virginia Commonwealth University, Richmond, Virginia
12/2012 - 06/2013

Chairman, Executive Committee, Department of Surgery, Virginia Commonwealth University Medical Center, Richmond, Virginia
07/2013 - Present

Chairman, Operating Room Committee, Virginia Commonwealth University Medical Center, Richmond, Virginia
07/2013 - Present

Vice Chairman, Executive Committee, Department of Surgery, Virginia Commonwealth University Medical Center, Richmond, Virginia
12/2012 - 06/2013

Surgical Director, Cardiothoracic Intensive Care Unit, Virginia Commonwealth University Medical Center, Richmond, Virginia
01/2005 - Present

Chairman, Division of Cardiothoracic Surgery, Virginia Commonwealth University Medical Center, Richmond, Virginia
10/2003 - 03/2015

Director, Heart Transplantation and Mechanical Circulatory Support Services, Virginia Commonwealth University Medical Center, Richmond, Virginia
01/2003 - 10/2014

Director, Heart Transplantation and Mechanical, Circulatory Support Services, Hunter Holmes McGuire Veterans Administration Medical Center, Richmond, Virginia
01/2003 - 10/2011

Director, Lung Transplantation, Virginia Commonwealth University Medical Center, Richmond, Virginia
04/2003 - 01/2005

Director, Surgical Intensive Care Unit, Hunter Holmes McGuire Veterans Administration Medical Center, Richmond, Virginia
01/2000 - 01/2005

Chief, Cardiothoracic Surgery Service, Hunter Holmes McGuire Veterans Administration Medical Center, Richmond, Virginia
01/2000 - 01/2005

Special Awards & Honors

Appreciation Transplant Program, Veterans Health Administration (VHA), Richmond, VA
01/2006

Charles H. Bryant Award for Clinical Excellence in Thoracic and Cardiovascular Surgery, Cleveland Clinic Foundation, Cleveland, Ohio, Department of Thoracic and Cardiovascular Surgery
2000

George and Grace Crile Fellowship (for outstanding contributions to the Department of General Surgery), Cleveland Clinic Foundation, Cleveland, Ohio
1996

Chipperfield Gold Medal in Clinical Surgery, Johnstone Gold Medal for Best Outgoing Medical Student, Madras Medical College
1987

Madras Medical College, Madras, India

1987

Allen Evan Grant Prize in Internal Medicine, Madras Medical College, Madras, India
1987

Sibthorpe Prize in Surgery, Madras Medical College, Madras, India
1987

Savalai Sethuraman Gold Medal in Pediatric Surgery and Pediatrics, Institute of Child Health and Madras Medical College, Madras, India
1987

Maitland Memorial Prize in Clinical Surgery, Madras Medical College, Madras, India
1987

Guruswamy Mudaliar Prize in Therapeutics, Madras Medical College, Madras, India
1987

Thayumanaswamy Prize in Clinical Orthopedics, Madras Medical College, Madras, India
1987

B. Ramamurthy Gold Medal in Neurosurgery and Neurology, Institute of Neurosciences, Government General Hospital, Madras and Madras Medical College, Madras, India
1987

Nanjunda Rao Gold Medal in Surgery, Madras Medical College, Madras, India
1987

Certificate of Merit in Surgery, Madras Medical College, Madras, India
1987

Blocklock Gold Medal in Internal Medicine, Madras Medical College, Madras, India
1987

Venugopal Gold Medal in Urology, Association of Urologists of Tamil, Nadu
1987

Surgery Honors, University of Madras, Madras, India
1987

Obstetrics and Gynecology Honors, University of Madras, Madras, India
1987

Vasudeva Rao Gold Medal in Chest Diseases, All Medical Colleges of Madras, Madras, India
1987

Senthil Nathan Prize for Best Outgoing Medical, Madras Medical College, Madras, India
1987

Rukumani Memorial Gold Medal in Ophthalmology, Institute of Eye Diseases and Madras Medical College, Madras, India

1986

G. Rama Rao Gold Medal in Anatomy, Madras Medical College, Madras, India
1984

Saratha Kathiresan Prize in Neuroanatomy, Madras Medical College, Madras, India
1984

Certificate of Honor in Biochemistry, Madras Medical College, Madras, India
1984

Anatomy Honors, University of Madras, Madras, India
1984

Society Memberships

Society for Thoracic Surgeons

Southern Thoracic Surgical Association

American College of Cardiology

International Society for Heart and Lung Transplantation

American Heart Association

American College of Chest Physicians

American Medical Association

Medical Society of Virginia

Richmond Academy of Medicine

Indian Medical Association

American College of Surgeons

Scholarly Activities

Expert Services

Society of Thoracic Surgery, FDA Advisory Panel
07/2013 - Present

Society of Thoracic Surgery, Committee on Coding and Reimbursement
01/2012 - Present

Regional LifeNet Medical Advisory Board
01/2003 - Present

American Heart Association writing group on cardiac arrest in Mechanical Circulatory support

11/2013 - 06/2016

Virginia Cardiac Surgery Quality Initiative, Board
2013 - 2015

Surgical Treatment of Atrial Fibrillation Outcomes; Registry, Board
2009 - 2013

National LVAD Work Group, Department of Veterans Affairs, Washington, D.C.
01/2003 - 12/2007

National Transplant Advisory Board, Department of Veterans Affairs, Washington, D.C.
10/2002 - 12/2007

International Society for Heart Lung Transplantation, Abstract Reviewer for the Annual Meeting
01/2002 - 12/2002

United Network for Organ Sharing (Region 11), Heart Transplant Review Board (Rotating)
07/2000 - 06/2014

National Heart/Lung Transplant Board, Department of Veterans Affairs, Washington, D.C.
04/2000 - 12/2007

Annals of Thoracic Surgery, ad hoc Reviewer

European Journal of Cardiothoracic Surgery, ad hoc Reviewer

Journal of Thoracic and Cardiovascular Surgery, ad hoc Reviewer

Progress in Transplantation, ad hoc Reviewer

Grants and Contracts: Active

Thoratec Corp, Site PI, Heartmate III, Momentum 3 (\$449,446)
07/2015 - 07/2020

Atricure, Inc., National PI, Pivotal Study of Dual Epicardial & Endocardial Procedure (DEEP), Approach for Treatment of Subjects with Persistent or Long Standing, Persistent Atrial Fibrillation with Radiofrequency Ablation (\$442,472)
04/2015 - 09/2023

Sunshine Heart Inc., (PI Tang, Daniel), Co-investigator, C-Pulse System US IDE Study (\$145,325)
07/2013 - 06/2017

Atricure Inc., Site PI, Synergy Ablation Lesions for Non-paroxysmal Forms of Atrial Fibrillation Treatment during Concomitant On-Pump Endo/Epicardial Cardiac Surgery, Effort 5.4% (\$126,788)
01/2013 - 05/2020

Thoratec Corporation, Site PI, Roadmap, Risk Assessment and Comparative Effectiveness of Left Ventricular Assist Device and Medical Management in Ambulatory Heart Failure Patients, Effort 6% (\$172,500)
05/2012 - 06/2018

Grants and Contracts: Past

University of Michigan, Site PI, Randomized Evaluation of VAD Intervention Before Inotropic Therapy (REVIVE-IT), Effort 20% (\$651,863)
07/2014 - 01/2016

Syncardia Inc., Freedom Driver Trial, National PI, Discharge home of patients on Total Artificial Heart, Effort 2% (\$313,171)
07/2010 - 06/2015

PPD Development, LLC (formerly GlaxoSmithKline), (PI Brinster, Derek) Co-investigator, A Phase II, Randomized, Placebo-Controlled, Double Blind (Sponsor Open) Study of GSK 1278863, a HIF-Prolyl Hydroxylase Inhibitor, to Reduce Ischemic Events in Patients Undergoing Thoracic Aortic Aneurysm Repair (PPD) (\$328,670)
11/2013 - 11/2015

Medtronic, (PI Brinster, Derek), Co-investigator, IP#118: Evaluation of the clinical performance of the Valiant Thoracic Stent Graft with the Captiva Delivery system for the treatment of acute, complicated Type B aortic dissections...Protocol # IP_118 (\$265,742)
12/2010 - 11/2014

Atricure Inc., Ablate Registry, Surgical Treatment of Patients with Persistent Atrial Fibrillation with Concomitant Cardiac Surgical Procedures, Effort 1% (\$53,750)
05/2011 - 05/2014

RED-CABG. Schering Plough. Site PI. The effect of acadesine on clinically significant adverse cardiovascular and cerebrovascular events in high risk subjects undergoing coronary bypass graft surgery using cardiopulmonary bypass. Effort 6% (\$192,500)
09/2009 - 10/2010

The Medicines Company. Site PI. Bruce Spiess, Co-investigator. Maintenance of platelet inhibition with Cangrelor after discontinuation of thienopyridines in patients undergoing surgery. Effort 1% (\$59,250)
07/2009 - 07/2011

Atricure Inc, Site PI, The Surgical Treatment of Atrial Fibrillation Registry (STAR) International Registry Development and Oversight. Effort 1% (\$129,306)
10/2008 - 12/2011

Jarvik Heart, FDS Sponsored study. Site PI. Jarvik 2000 Flowmaker for bridge to transplantation. Effort 2% (\$99,844)
04/2008 - 12/2012

CSP # 474 Veterans Health Administration Cooperative Studies Program. Site PI
Radial artery versus saphenous vein graft in coronary bypass surgery

CSP # 476 Veterans Health Administration Cooperative Studies Program Site PI
Enhancing the quality of informed consent – self monitoring (EQUIC-SM). (\$671,000)
01/1999 - 12/2011

World Heart. Study Design and Site PI. Pivotal Randomized controlled study to evaluate
the safety and effectiveness of the Novacor left ventricular assist system for patients
who are not eligible for cardiac transplantation. (\$60,000)
1999 - 1999

Advising and Mentoring

Training of Cardiothoracic Surgery Fellows

| | |
|-----------|----------------------------|
| 2015-2018 | Dr. Luis Velazco-Davila |
| 2014-2017 | Dr. James Wade |
| 2009-2010 | Dr. Sai Cheemalapati |
| 2007-2009 | Dr. Alok Dash |
| 2006-2009 | Dr. Chang Zhang |
| 2005-2006 | Dr. Jack Mosieri |
| 2004-2006 | Dr. Patricia Nicolato |
| 2004-2006 | Dr. Rajaratnam Skantharaja |
| 2003-2005 | Dr. Kunda Biswas |
| 2003-2005 | Dr. Geoffrey Cousins |
| 2002-2004 | Dr. Eric Okum |
| 2002-2004 | Dr. Jonathon Philpott |
| 2001-2003 | Dr. Gundars Katlaps |
| 2001-2003 | Dr. Riad Meada |
| 2000-2002 | Dr. Dan Fusco |
| 2000-2002 | Dr. Ward Houck |

Lecture to MI and MII Students – Hume Society

MIII Students rotating on Cardiothoracic Surgery (2014-2015 academic year):
Christopher Rangel, Adam Goodreau, Lindsey Pflungner
2014 - 2015

Residents mentored (2014-2015 academic year): Jonathan DeAntonio and Daniel
Cabral
2014 - 2015

Mentor to Maggie Walker High School Students (Stephanie Zhang 2013, Virginia Byrd
2014).
2013 - 2014

VCU Undergraduate Students shadowing in surgery

MIV Assistant Intern in Cardiothoracic Surgery

Cardiovascular Hemodynamics Lecture to Graduate Students in Physiology. PHIS 512 course, 2 contact hours.

Education of Anesthesia and Emergency Medicine Residents in the Cardiothoracic Surgery Intensive Care Unit

Education of Nursing Staff in the Cardiothoracic Surgery Operating Rooms, Intensive Care, Progressive Care Floor.

Teaching Thoracic Trauma Management to Special Operations Combat Medics (SOCM), United States Special Forces.

Visiting Surgeon, Division of Thoracic and Cardiovascular Surgery, Department of Surgery, University of Virginia, Charlottesville, VA. June 1, 2008 to June 30, 2009.
06/2008 - 06/2009

Training Program in Minimally Invasive Surgery for Atrial Fibrillation at Virginia Commonwealth University Medical Center, Co-Directed with Kenneth Ellenbogen, M.D.

Proctor to train surgeons in use of the Cardiowest Artificial Heart.

Ablate PAS Steering Committee for training surgeons in use of the Synergy Clamp to perform the MAZE Lesion Set.

Presentations

Invited

Internal/VCU

Invited speaker, Humera Surgical Society. Richmond, VA. April 2016.
04/2016

Surgery Grand Rounds, "A New Day", Virginia Commonwealth University Medical Center, Richmond, VA. July 2014.
07/2014

New Breakthrough in Cardiac Care. Health Seminar, Lewis Ginter Botanical Garden. Cooke R, Ellenbogen K, Kasirajan V, Nixon J and Vetrovec G. Richmond, VA. February, 2014.
02/2014

Coronary Bypass Surgery, Annual Update for Respiratory Therapy. VCU Medical Center. Richmond, VA. April, 2013.
04/2013

Use of the Total Artificial Heart, CME on Heart Failure Management. Virginia Commonwealth University Medical Center. Richmond, VA. February, 2013.
02/2013

Cardiac Catheterization Conference, "Minimally Invasive Mitral Valve Repair," Virginia

Commonwealth University Medical Center. Richmond, VA. March, 2012.
03/2012

White Coat Days, General Assembly, Richmond, VA. February, 2012.
02/2012

Pathology Grand Rounds, Virginia Commonwealth University Medical Center, Richmond, VA. September, 2011.
09/2011

Innovative and Effective Treatments for Heart Failure. "What do you do when Traditional Therapy Fails?", Practical Frontiers in Primary Care. Hilton Richmond Hotel & Spa Short Pump, Richmond, VA. June, 2011.
06/2011

White Coat Days, General Assembly, Richmond, VA. February, 2011, 2012, 2013
2013

Invited Speaker, Cardiac Catheterization Conference, Richmond, VA. January, 2011.
01/2011

Virginia Commonwealth University Biomedical Engineering Society, Richmond, VA. September, 2010.
09/2010

New developments in Cardiac Surgery, Heart Matters Nursing Symposium, Virginia Commonwealth University Medical Center. Richmond, VA. November, 2009.
11/2009

An Ethical Problem, Kasirajan V and Levenson J. Heart Matters Nursing Symposium, Virginia Commonwealth University Medical Center. Richmond, VA. November, 2009.
11/2009

Mechanical Circulatory Support, Department of Emergency Medicine Grand Rounds, Virginia Commonwealth University Medical Center. Richmond, VA. October, 2009.
10/2009

Ventricular Assist Device, VCU Chapter of the Young Investigators of the ASAIO (American Society for Artificial Internal Organs), October, 2009.
10/2009

Treatment Options of Atrial Fibrillation, Meet the Doctor Series - Patient Education. Lewis Ginter Botanical Gardens. Richmond, VA. September 2009.
09/2009

Best Practices in Blood Management. Richmond, VA. September, 2006.
09/2006

Surgical Options for Heart Failure, Virginia Council of Nurse Practitioners. Richmond, VA. September, 2006.
09/2006

Cardiac Surgery Update, Chickahominy Family Practice. Richmond, VA. November, 2005.

11/2005

Cellular Immunity Impaired Among Patients on Left Ventricular Assist Device for 6 Months, ISHLT. Philadelphia, PA. April, 2005.

04/2005

Flutters, Plops, and Palpitations, 5th Annual Cardiothoracic Nursing & Allied Health Symposium. Richmond, VA. November, 2004.

11/2004

Spring Cardiology Consortium, Cardio and Thoracic Surgery; View to the Future. Virginia Commonwealth University Medical Center, Country Club of Virginia. Richmond, VA. June, 2004.

06/2004

Surgery for Heart Failure, Humera Surgical Society. Richmond, VA. May, 2004.

05/2004

Department of Cardiology Grand Rounds, Virginia Commonwealth University Medical Center. Richmond, VA. 2004.

2004

Off-pump CABG, Department of Anesthesiology Grand Rounds, Virginia Commonwealth University Medical Center. Richmond, VA. 2004.

2004

Optimizing Heart Donors and Recipients, LifeNet Medical Advisory Meeting. Richmond, VA. May, 2003.

05/2003

Ventricular Assist Devices and Implications relating to Anesthetic Management, Department of Anesthesia Grand Rounds, Virginia Commonwealth University Medical Center. Richmond, VA. November, 2000.

11/2000

Surgery for Heart Failure, Department of Surgery Grand Rounds, Virginia Commonwealth University Medical Center. Richmond, VA. October, 2000.

10/2000

Local/Regional (Virginia but Non-VCU)

Surgical treatment of Atrial Fibrillation. Grand Rounds, University of Virginia, May 11, 2016.

05/2016

Humera Surgical Society, Scientific Session. Speaker "Current Surgical Developments in the Treatment for Atrial Fibrillation." Tides Inn, Irvington, VA, April, 2015

04/2015

AF Symposium. Speaker "The Integrated Approach to the Treatment of Atrial Fibrillation". Orlando, FL, January, 2015
01/2015

South Atlantic Cardiovascular Society 2014 Annual Meeting. Guest Speaker "5 Cases: Total Artificial Heart....The Good, The Bad & The Ugly." Wild Dunes Resort, Isle of Palms, South Carolina. August, 2014.
08/2014

MCV Updates. Humera Surgical Society 50th Annual Meeting. Greenbrier Resort, White Sulphur Springs, West Virginia. April 2014
04/2014

Novel Heart Failure Treatments, "What to do when Standard Therapy Fails", "When to Refer to the Heart Failure Doctor", Cardiology Update Program. Kingsmill Resort. Williamsburg, VA. September, 2010.
09/2010

Surgical Treatment of Atrial Fibrillation, Cardiology Update Program, Kingsmill Resort. Williamsburg, VA. August, 2007.
08/2007

Advances in Cardiac Surgery. Southern Virginia Regional Medical Center. Emporia, VA. June, 2005.
06/2005

Surgery for Heart Failure, Grand Rounds. Mary Washington Hospital. Fredericksburg, VA. April, 2005.
04/2005

Recent Advances in Cardiac Surgery, Grand Rounds. Southside Regional Medical Center. Petersburg, VA. February, 2005.
02/2005

Recent Advances in Cardiac Surgery, Grand Rounds. Mary Washington Hospital. Fredericksburg, VA. December, 2004.
12/2004

Surgery for Heart Failure. Grand Rounds. Southside Regional Medical Center, Petersburg, VA, October, 2003.
10/2003

Heart Transplant Recipient Outcomes and Donor Mode of Brain Death, Kasirajan V and Bennett-Edwards L. Virginia Surgical Society, Annual Meeting. Williamsburg, VA. April, 2003.
04/2003

High Risk Coronary Bypass Surgery, Medical Grand Rounds. Southside Regional Medical Center. Petersburg, VA. January, 2003.
01/2003

Outcome following Transplantation in a Highly Sensitized Recipient, Kasirajan V and Higgins RSD. Symposium presentation, International Society for Heart Lung Transplantation. Washington, DC. April, 2002.
04/2002

National

TAH Freedom Data. The Society of Thoracic Surgeons 49th Annual Meeting. Orlando, Florida.
01/2013

TAH vs BiVADs, Debate on 21st Century Treatment of Heart Failure. Cleveland, OH.
10/2012

The latest TAH Clinical Results, 2011 Gordon Research Conference on Assisted Circulation. Waterville Valley Resort. Waterville, NH.
06/2011

Surgery for Atrial Fibrillation; Indications, Techniques and Results. Southern Thoracic Surgical Association. San Marco Island, FL.
11/2009

Live Surgery Transmission; Surgical Minimally Invasive Epicardial Ablation of Atrial Fibrillation, Kasirajan V and Ellenbogen K. Boston AFIB Symposium. Boston, MA.
01/2008

The Cardiowest Artificial Heart, International Congress for Xenotransplantation. Minneapolis, MN.
09/2007

STS Current Strategies in Heart Failure Management; Drugs to Devices. Louisville, KY.
08/2004

Evolution & Choose On-Pump, Investigators' Meeting. New York, NY.
04/2004

Retrospective Assessment of Echocardiography as a Screening Tool in Cadaveric Heart Donors, Higgins R, Bennett L, DeAnda A, and Kasirajan V. American Transplant Congress.
2003

Influence of Heart Donor and Recipient Variables on Survival Post Heart Transplantation, Kasirajan V, Bennett-Edwards L, DeAnda A, Cohen N, and Higgins R. Poster Presentation, Heart Failure Society of America Annual Meeting. Boca Raton, FL.
09/2002

Left Ventricular Assist Devices as Permanent Therapy for Failing Hearts. Invited Lecturer, Annual United States Army Cardiothoracic Symposium, Walter Reed Army Medical Center. Bethesda, MD.
09/2002

Surgical Treatment of Atrial Fibrillation. Invited Speaker, Heart Rhythm Symposium, Santa Monica, CA.
10/2010

T-cell Response to Staphylococcal Enterotoxin B is Reduced among Heart Failure Patients on Ventricular Device Support. World Transplant Congress. Boston, Massachusetts.
07/2006

Midterm Outcomes Following the Ross Procedure in Adults, Kasirajan V, Petterson G, Blackstone E, and Cosgrove D. Annual Residents Day Competition. Cleveland Clinic Foundation, Cleveland, OH.
06/2000

In Vivo Study of Hemodynamic Effects and Echocardiographic Imaging of Prosthetic Valve Dysfunction in Left Ventricular Assist Devices, Kasirajan V, McCarthy PM, Fukamachi K, Massiello A, Armstrong G, Chen JF, and Thomas J. Presentation, American Society for Artificial Internal Organs. San Diego, CA.
06/1999

Use of Donor Hearts previously rejected by other Transplant Centers, Kasirajan V, Gillinov AM, Arnold JH, McCarthy J, Smedira NG, and McCarthy PM. International Society for Heart and Lung Transplantation Annual Meeting. Chicago, IL.
04/1998

Partial Left Ventriculectomy and Outcomes as an Alternative to Transplantation. Cleveland Clinic, Annual Cardiothoracic Residents' Day Competition. Cleveland, OH.
1996

Symptomatic Cholelithiasis in Cardiac Transplant Patients, Kasirajan V, Walsh R, Vogt D, Mayes J, Henderson M, and Hobbs R. Digestive Diseases Week, San Francisco Convention Center. San Francisco, CA.
05/1996

International

Cardiac Transplantation – State of the Art. Sri Venkateswara Institute of Medical Sciences. Tirupati, India.
10/2016

Bridge to Heart Transplant. Sri Venkateswara Institute of Medical Sciences. Tirupati, India.
10/2016

Extracorporeal Membrane Oxygenation for Acute Lung Injury: Surgical Techniques and Management. CHEST World Congress 2016. Shanghai, China.
04/2016

Buffing the failing RV. Optimizing the right ventricle pre left ventricular assist device implant. International Society for Heart Lung Transplant, Washington DC.

04/2016

Use of a portable driver for the TAH-t in the US: Freedom Driver Study. 35th Annual Meeting and Scientific Session, International Society for Heart & Lung Transplantation. Nice, France.

04/2015

Right Ventricular Failure, TAH is it? 32nd Annual Meeting and Scientific Session, International Society for Heart and Lung Transplantation. Prague, Czech Republic.

04/2012

Use of Mechanical Pumps for Heart Failure. Grand Rounds, Department of Cardiology. Poznan, Poland.

04/2012

Use of Mechanical Circulatory Pumps for Treatment of Heart failure. Poznan, Poland.

04/2012

TAH Post Market Study Data. ISHLT, Prague, Czech Republic.

04/2012

The Use of Cardiowest Artificial Heart Reduces Complications in High Risk Patients. Kasirajan V and Flattery M. International Society for Heart and Lung Transplantation. Paris, France.

04/2009

The Surgical Treatment of Atrial Fibrillation Registry. Kasirajan V and Jan Van Boven W. European Association of Cardiothoracic Surgery. Vienna, Austria.

10/2009

The Epicardial Frontier: Minimally Invasive Ablation of AF. Symposium at the Nice-Acropolis Convention and Exhibition Centre. Ellenbogen K, Kasirajan V, Jan van Boven W, Jackson W. Nice, France.

06/2008

Prospective evaluation of short course Polyclonal Thymoglobulin Induction Immunosuppression in Heart Transplant Recipients. Higgins R, Flattery M, Hanrahan J, Wolfe L, DeAnda A, Kasirajan V. International Society of Heart and Lung Transplantation annual meeting. Venice, Italy.

04/2003

Intracranial Hemorrhage and risk factors in adults on Extracorporeal Membrane Oxygenation. Presentation, Annual Congress of the European Association of Cardiothoracic Surgery. Brussels, Belgium.

09/1999

Service Activities

Clinical Service

Outpatient Activities

Kasirajan, Vigneshwar

Weekly Outpatient Activities in ACC3. Virginia Commonwealth University Medical Center.

2000 - Present

Inpatient Activities

Daily Inpatient Activities include surgical procedures in the OR, patient care in the unit and on the floor as well as consults. Virginia Commonwealth University Medical Center.

2000 - Present

Service to the Community

Hindu Center of Virginia

Lewis Ginter Botanical Gardens

2006 - Present

Patient Education Series – Meet the Doctor

Collegiate School Board

2004 - 2008

Service to the University

Chair, OR Committee

07/2013 - Present

Formulary Committee

Critical Care Committee

07/2005 - Present

Service to the School of Medicine

Promotion Committee, Department of Medicine

2009

Promotion Committee, School of Medicine

2014 - Present

Executive Committee of the Department of Surgery, Chair

2014 - Present

Strategic Retreat, Department of Surgery

10/2013

MCVP Strategic Planning Committee, Member

2013 - Present

RAM Care Project for CABG Surgery

2012 - Present

Service to other Affiliated Institutions

Visiting Surgeon, Division of Thoracic and Cardiovascular Surgery Department of Surgery, University of Virginia
06/2008 - 06/2009

Heart Transplant call coverage for McGuire Veterans Medical Center
07/2000 - Present

Publications

Papers Published in Peer Reviewed Journals

1. Quader M, LaPar DJ, Wolfe L, Ailawadi G, Rich J, Speir A, Fonner C, Kasirajan V; Investigators for the Virginia Cardiac Surgery Quality Initiative. Delayed Sternal Closure After Continuous Flow Left Ventricle Assist Device Implantation: Analysis of Risk Factors and Impact on Outcomes and Costs. *ASAIO J.* 2016 Jul-Aug;62(4):432-7. doi: 10.1097/MAT.0000000000000384. PubMed PMID: 27164037.
2. Quader M, LaPar DJ, Wolfe L, Ailawadi G, Rich J, Speir A, Fonner C, Kasirajan V; Investigators for the Virginia Cardiac Surgery Quality Initiative. Blood Product Utilization with Left Ventricular Assist Device Implantation: A Decade of Statewide Data. *ASAIO J.* 2016 May-Jun;62(3):268-73. doi: 10.1097/MAT.0000000000000345. PubMed PMID: 26809087.
3. Arabia F, Gregoric I, Kasirajan V, Moriguchi JD, Naftel DC, Myers SL, Kirklin JK. Total Artificial Heart (TAH): Survival Outcomes, Risk Factors, Adverse Events in Intermacs. *J Heart Lung Transplant.* 2016 April;35(4): S95. Abstract nr 237. doi: <http://dx.doi.org/10.1016/j.healun.2016.01.262>
4. Cohen S, Wolfe L, Tang D, Katlaps G, Kasirajan V, Shah K, Cooke R, Smallfield M, Tchoukina I, Rao K, Quader M. Impact of Morbid Obesity on Left Ventricular Assist Device Support and Heart Transplantation. *J Heart Lung Transplant.* 2016 April;35(4): S24. Abstract nr 43. doi: <http://dx.doi.org/10.1016/j.healun.2016.01.066>
5. Heatley G, Sood P, Goldstein D, Uriel N, Cleveland J, Middlebrook D, Mehra MR; MOMENTUM 3 Investigators. Clinical trial design and rationale of the Multicenter Study of MagLev Technology in Patients Undergoing Mechanical Circulatory Support Therapy With HeartMate 3 (MOMENTUM 3) investigational device exemption clinical study protocol. *J Heart Lung Transplant.* 2016 Apr;35(4):528-36. doi: 10.1016/j.healun.2016.01.021. Epub 2016 Jan 30. PubMed PMID: 27044532.
6. Shah KB, Thanavaro KL, Tang DG, Quader MA, Mankad AK, Tchoukina I, Thacker LR, Smallfield MC, Katlaps G, Hess ML, Cooke RH, Kasirajan V. Impact of INTERMACS Profile on Clinical Outcomes for Patients Supported With the Total Artificial Heart. *J Card Fail.* 2016 Apr 27. pii: S1071-9164(16)30061-6. doi: 10.1016/j.cardfail.2016.04.016. [Epub ahead of print] PubMed PMID: 27131435.

7. Shah KB, Uber PA, Rogers JG, Kasirajan V, Chuang JS, Farrar DJ, Estep JD. Clinical Predictors and outcomes of Patients with left Ventricular Assist Device Related Gastrointestinal Bleeding in the ROADMAP Study. *J Heart Lung Transplant*. 2016 April;35(4): S78-79. Abstract nr 191. doi: <http://dx.doi.org/10.1016/j.healun.2016.01.215>
8. Starling R, Estep JD, Horstmanshof DA, Milano CA, Selzman CH, Shah KB, Bruckner BA, Lee S, Long JW, Stehlink J, Kasirajan V, Haas DC, Boyle AJ, Chuang J, Farrar DJ, Rogers JG. Risk Assessment and Comparative Effectiveness of Left Ventricular Assist Device and Medical Management in Ambulatory Heart Failure Patients (ROADMAP) – 2 Year Results (abstract). *J Heart Lung Transplant*. 2016 April;35(4): S22. Abstract nr 38. doi: <http://dx.doi.org/10.1016/j.healun.2016.01.061>
9. Sharma PS, Kasirajan V, Ellenbogen KA, Koneru JN. Interconnections between Left Atrial Ganglionic Plexi: Insights from Minimally Invasive Maze Procedures and Their Outcomes. *Pacing Clin Electrophysiol*. 2016 May;39(5):427-33. doi: 10.1111/pace.12823. Epub 2016 Mar 22. PubMed PMID: 26853888.
10. Cook JA, Shah KB, Quader MA, Cooke RH, Kasirajan V, Rao KK, Smallfield MC, Tchoukina I, Tang DG. The total artificial heart. *J Thorac Dis*. 2015 Dec;7(12):2172-80. doi: 10.3978/j.issn.2072-1439.2015.10.70. Review. PubMed PMID: 26793338; PubMed Central PMCID: PMC4703693.
11. Ramanathan R, Duane TM, Kaplan BJ, Farquhar D, Kasirajan V, Ferrada P. Using a Root Cause Analysis Curriculum for Practice-Based Learning and Improvement in General Surgery Residency. *J Surg Educ*. 2015 Nov-Dec;72(6):e286-93. doi: 10.1016/j.jsurg.2015.05.005. Epub 2015 Jun 22. Review. PMID: 26111820.
12. Estep JD, Starling RC, Horstmanshof DA, Milano CA, Selzman CH, Shah KB, Loebe M, Moazami N, Long JW, Stehlik J, Kasirajan V, Haas DC, O'Connell JB, Boyle AJ, Farrar DJ, Rogers JG; ROADMAP Study Investigators. Risk Assessment and Comparative Effectiveness of Left Ventricular Assist Device and Medical Management in Ambulatory Heart Failure Patients: Results From the ROADMAP Study. *J Am Coll Cardiol*. 2015 Oct 20;66(16): 1747-61. doi: 10.1016/j.jacc.2015.07.075. PMID: 26483097. Free Article
13. Quader MA, Green AJ, Shah KB, Cooke R, Kasirajan V. Hospital Readmissions after Discharge to Home with the Total Artificial Heart Freedom Driver: Readmission reasons, clinical outcomes, and health care care costs. *J Heart Lung Transplant*. 2015 Oct 29. pii: S1053-2498(15)01492-8. doi: 10.1016/j.healun.2015.10.031. (Epub ahead of print) No abstract available. PMID: 26586490.
14. Shah R, Patel DB, Mankad AK, Rennyson SL, Tang DG, Quader MA, Smallfield MC, Kasirajan V, Shah KB. Pulmonary Hypertension after Heart Transplantation in Patients Bridged with the Total Artificial Heart. *ASAIO J*. 2015 Oct 15. (Epub ahead of print) PMID: 26479463.
15. Kasirajan V, Sayeed S, Filler E, Knarik A, Koneru JN, Ellenbogen KA. Histopathology of Bipolar Radiofrequency Ablation in the Human Atrium. *Ann Thorac Surg*. 2015 Sept 18. pii: S0003-4975(15)01224-2. doi:

10.1016/j.athoracsur.2015.07.027. (Epub ahead of print) PMID: 26387724.

16. Quader MA, Goodreau AM, Shah KB, Katlaps G, Cooke R, Smallfield MC, Tchoukina IF, Wolfe LG, Kasirajan V. Renal Function Recovery with Total Artificial Heart Support. *ASAIO J.* 2015 Sep 25 (Epub ahead of print). PMID: 26418207.

17. Shah KB, Flattery MP, Smallfield MC, Merinar G, Tang DG, Sheldon EH, Thacker LR, Kasirajan V, Cooke RH, Hess ML. Surveillance Endomyocardial Biopsy in the Modern Era Produces Low Diagnostic Yield for Cardiac Allograft Rejection. *Transplantation.* 2015 Aug;99(8):e75-80. doi: 10.1097/TP.0000000000000615. PMID: 25706277.

18. Shah NR, Jaroszewski DE, Ashfaq A, Schroedl LA, Staley LL, Pajaro OE, Kasirajan V, Arabia FA. SynCardia Portable Freedom Driver: A Single-Center Experience with 11 Patients. *Innovations (Phila).* 2015 May-Jun;10(3):188-94. doi: 10.1097/IMI.0000000000000161. PMID: 26181585.

19. Spiess BD, Rotruck J, McCarthy H, Suarez-Wincosci O, Kasirajan V, Wahr J, Shappell S. Human factors analysis of a near-miss event: oxygen supply failure during cardiopulmonary bypass. *J Cardiothorac Vasc Anesth.* 2015 Feb;29(1):204-9. doi: 10.1053/j.jvca.2014.08.011. Epub 2014 Dec 4. PubMed PMID: 25481389.

20. Torregrossa G, Morshuis M, Varghese R, Hosseinian L, Vida V, Tarzia V, Loforte A, Dubeau D, Arabia F, Leprince P, Kasirajan V, Beyersdorf F, Musumeci F, Hetzer R, Krabatsch T, Gummert J, Copeland J, Gerosa G. Results with SynCardia total artificial heart beyond 1 year. *ASAIO J.* 2014 Nov-Dec;60(6):626-34. doi: 10.1097/MAT.0000000000000132. PubMed PMID: 25158888.

21. Thanavaro KL, Tang DG, Kasirajan V, Shah KB. Clinical indications for implantation of the total artificial heart. *ASAIO J.* 2014 Sep-Oct;60(5):594-6. doi: 10.1097/MAT.0000000000000111. PubMed PMID: 25068777.

22. Brinster DR, Parrish DW, Meyers KS, Reddy P, Kasirajan V. Central aortic cannulation for stanford type a aortic dissection with the use of three-dimensional and two-dimensional transesophageal echocardiography. *J CardSurg.* 2014 Sep;29(5):729-32. doi: 10.1111/jocs.12411. Epub 2014 Jul 25. PubMed PMID: 25060898.

23. Quader M, Wolfe L, Median A, Fonner C, Ailawadi G, Crosby I, Speir A, Rich J, Lapar D, Kasirajan V. Isolated Aortic Valve Replacement with Bio-prostheses in patients age 50 to 65 years: A decade of statewide data on cost and patient outcomes. *J Cardiovasc Surg (Torino).* 2014 Sep 12. [Epub ahead of print] PubMed PMID: 25216214.

24. Shah KB, Smallfield MC, Tang DG, Malhotra R, Cooke RH, Kasirajan V. Mechanical circulatory support devices in the ICU. *Chest.* 2014 Sep;146(3):848-57. doi:10.1378/chest.13-2645. Review. PubMed PMID: 25180728.

25. Quader MA, Wolfe LG, Kasirajan V. Heart Transplantation Outcomes in Patients with Continuous-flow Left Ventricular Assist Device-related Complications. *J Heart Lung Transplant.* 2015 Jan;34(1):75-81. doi: 10.1016/j.healun.2014.07.015. Epub 2014 Jul 22. PubMed PMID: 25150620.

26. Quader M, Wolfe L, Katlaps G, Kasirajan V. Donor Heart Utilization following Cardiopulmonary Arrest and Resuscitation: Influence of Donor Characteristics and Wait Times in Transplant Regions. *J Transplant*. 2014;2014:519401. doi: 10.1155/2014/519401. Epub 2014 Jul 8. PubMed PMID: 25114798; PubMed Central PMCID: PMC4119691.
27. Tang DG, Shah KB, Hess ML, Kasirajan V. Implantation of the syncardia total artificial heart. *J Vis Exp*. 2014 Jul 18;(89). doi: 10.3791/50377. PubMed PMID: 25079004.
28. Parker MS, Fahrner LJ, Denell BP, Olsen KM, Kasirajan VK, Shah KB, Medina AE, Duohn KR, de Groot PA, Goodman WC. Total artificial heart implantation: Clinical indications, expected postoperative imaging findings and recognition of complications. *Amj Roentgenol*. 2014 May; 202(3): W191-201. PMID 24555614.
29. Quader MA, Kumar D, Shah KB, Yatani YI, Katlaps G, Kasirajan V. Safety Analysis of Intermittent Hemodialysis in patients with continuous flow left ventricular assist devices. *Hemodial Intl*. 2013 Aug 1 (e pub). PMID 239018838.
30. Quader MA, Wolfe LG, Kasirajan V. Heart Transplant Outcomes from Cardiac Arrest Resuscitated Donors. *J Heart Lung Transplant*. 2013 Aug 29 (e pub). PMID:23194299.
31. Shah KB, Volman RA, Harton S, Tang DG, Kasirajan V. Fracture of Total Artificial Heart Pneumatic Driveline after Transition to the Portable Driver. *J Heart Lung Transplant*. 2013 Aug 1 (e pub). PMID: 23911297.
32. Shah KB, Kontos MC, Parker MS, Kasirajan V, A Cresendo. Decresendo Murmur and Light Headedness in a Patient with a Left Ventricular Assist Device. *J am Coll Cardiol* 2013 Jun 18; 61(9):2484. PMID 23603229.
33. LaPar DJ, Crosby IK, Ailawadi G, Ad N, Choi E, Spiess BD, Rich JB, Kasirajan V, Fonner E Jr, Kron IL, Spier AM. Investigators for the Virginia Cardiac Surgery Quality Initiative. *J Thorac Cardiovasc Surg*. 2013 Mar; 145(3):796-803. PMID 23414992.
34. Quader MA, Tang D, Katlaps G, Shah KB, Kasirajan V. Total Artificial Heart for Patients with Allograft Failure. *J Thoracic Cardiovascular Surg*. 2013 Feb; 145(2): 21-3. PMID 23177669.
35. Rennyson SL, Shah KB, Tang DG, Kasirajan V, Pedram S, Cahoon W, Malhotra R. Octreotide for Left Ventricular Assist Device Related Gastrointestinal Hemorrhage: "Can we stop the bleeding?" *ASAIO J* 2013; 59(4):450-1. PMID 23820288.
36. Mankad AK, Tang DG, Clark WB, Flattery M, Harton S, Katlaps GJ, Stribling WK, Cooke RM, Hess ML, Kasirajan V, Shah KB. Persistent Anemia after Implantation of the Total Artificial Heart. *J Card Fail*. 2012 Jun 18(6):433-8. PMID: 22633300.
37. Shah KB, Tang DG, Kasirajan V, Gunnerson KJ, Hess ML, Sica DA. Impact of Low-Dose B-Type Natriuretic Peptide Infusion on Urine Output after Total Artificial Heart Implantation. *J Heart Lung Transplant*. 2012 Jun 31(6):670-2. PMID: 22425232.

38. Kasirajan V, Spradlin EA, Mormando TE, Medina AE, Ovadia P, Schwartzman DS, Gaines TE, Mumtaz MA, Downing SW, Ellenbogen KA. Minimally Invasive Surgery using Bipolar Radiofrequency Energy is Effective Treatment for Refractory Atrial Fibrillation. *Ann Thorac Surg* 2012 May 93(5):1456-61. PMID: 22541178.
39. Kasirajan V, Tang DG, Katlaps GJ, Shah KB. The Total Artificial Heart for Biventricular Heart Failure and Beyond. *Curr Opin Cardiol.* May 2012; 27(3):301-7. PMID: 22382500.
40. Abbate A, Hamza M, Cassano AD, Melchior R, Roberts C, Grizzard J, Shah K, Hastillo A, Kasirajan V, Crea F, Lanza GA, Vetrovec GW. Sympathectomy as a treatment for Refractory Coronary Artery Spasm. *Int J Cardiol.* 2012 Mar 30 (Epub ahead of print). PMID: 22465349.
41. Kowalski M, Grimes MM, Perez FJ, Keningsberg DN, Koneru J, Kasirajan V, Wood MA, Ellenbogen KA. Histopathologic Characterization of Chronic Radiofrequency Ablation Lesions for Pulmonary Vein Isolation. *J Am Coll Cardiol.* 2012 Mar 6:59 (10):930-8. PMID: 22381429.
42. Shah KB, Tang DG, Cooke RH, Kontos MC, Lewis NP, Katlaps GJ, Hess ML, Kasirajan V. *Curr Heart Fail Rep.* 2012 Mar 9(1):65-74. PMID: 22135186.
43. Zhang M, Wang Y, Jiang M, Zankov DP, Chowdhury S, Kasirajan V, Tseng GN. KCNE2 Protein is more Abundant in Ventricles than in Atria and can Accelerate hERG Protein Degradation in a Phosphorylation-Dependent Manner. *Am J Physiol Heart Circ Physiol.* 2012 Feb 15. PMID: 22180649.
44. Shah KB, Tang DG, Cooke RH, Kontos MC, Lewis NP, Katlaps GJ, Hess ML, Kasirajan V. Evaluating Heart Failure After Implantation of Mechanical Circulatory Support Devices. *Curr Heart Fail Rep.* 2011 Dec 2. [Epub ahead of print] PubMed. PMID: 22135186.
45. Kohli HS, Canada J, Arena R, Tang DG, Peberdy MA, Harton S, Flattery M, Doolin K, Katlaps GJ, Hess ML, Kasirajan V, Shah KB. Exercise Blood Pressure Response during Assisted Circulatory Support: Comparison of the Total Artificial Heart with a Left Ventricular Assist Device during Rehabilitation. *J Heart Lung Transplant.* 2011 Nov; 30 (11):1207-13. Epub 2011 Aug 20. PubMed. PMID: 21862351.
46. Shah KB, Tang DG, Cooke RH, Harton S, Flattery M, Katlaps GJ, Kasirajan V, Hess ML. Implantable Mechanical Circulatory Support: Demystifying Patients with Ventricular Assist Devices and Artificial Hearts. *Clin Cardiol.* 2011 Mar; 34(3):147-52. doi: 10.1002/clc.20825. Epub 2011 Feb 9. Review. PubMed. PMID: 21308692.
47. Goldman S, Sethi GK, Holman W, Thai H, McFalls E, Ward HB, Kelly RF, Rhenman B, Tobler GH, Bakaeen FG, Huh J, Soltero E, Moursi M, Haime M, Crittenden M, Kasirajan V, Ratliff M, Pett S, Irimpen A, Gunnar W, Thomas D, Femes S, Moritz T, Reda D, Harrison L, Wagner TH, Wang Y, Planting L, Miller M, Rodriguez Y, Juneman E, Morrison D, Pierce MK, Kreamer S, Shih MC, Lee K. Radial Artery Grafts vs Saphenous Vein Grafts in Coronary Artery Bypass Surgery: A Randomized Trial. *JAMA.* 2011 Jan

12; 305(2):167-74. PubMed PMID: 21224458.

48. Kowalski M, Nicolato P, Kalahasty G, Kasirajan V, Wood MA, Ellenbogen KA, Shepard RK. An Alternative Technique of Implanting a Non Venous Implantable Defibrillator in Adults with No or Limited Venous Access. *Heart Rhythm*. 2010 Nov; 7 (11):1572-7. Epub 2010 Jul 8.

49. Wood MA, Ellenbogen AL, Pathak V, Ellenbogen KA, Kasirajan V. Efficacy of a Cooled Bipolar Epicardial Radiofrequency Ablation Probe for Creating Trans mural Cry Radial Kinesis. *J. Thorac Cardiovasc Surg*. 2010; Feb; 139(2):453-458.

50. Han FT, Kasirajan V, Wood MA, Ellenbogen KA. Minimally Invasive Surgical Atrial Fibrillation Ablation: Patient Selection and Results. *Heart Rhythm*. 2009 Dec; 6 (12 Suppl): S71-6. Epub 2009 Oct 24. Review.

51. Speir AM, Kasirajan V, Barnett SD, Fonner E Jr. Additive Costs of Postoperative Complications for Isolated Coronary Artery Bypass Grafting Patients in Virginia. *Ann Thorac Surg*. 2009 Jul; 88(1):40-45.

52. Kasirajan V, Wolfe LG, Medina A. Adverse Influence of Female Gender on Outcomes after Coronary Bypass Surgery: A Propensity Matched Analysis. *Interact Cardiovasc Thorac Surg*. 2009 Apr; 8(4):408-11.

53. Han FT, Kasirajan V, Kowalski M, Kiser R, Wolfe L, Kalahasty G, Shepard R, Wood MA, Ellenbogen KA. Results of a Minimally Invasive Surgical Pulmonary Vein Isolation and Ganglionic Plexiablation for Atrial Fibrillation: Single Center Experience with 12 month Follow Up. *Circ. Arrhythmia Electrophysiol*. 2009; 2:370-377.

54. Ensor CR, Cahoon WD, Hess ML, Kasirajan V, Cooke RH. Induction Immunosuppression for Orthotopic Heart Transplantation: A Review. *Progress in Transplantation* 2009, Vol 19(4):333-341.

55. Crouch MA, Kasirajan V, Cahoon W, Katlaps GJ, Gunnerson KJ. Successful Use and Dosing of Bivalrudin for Anti Coagulation after Temporary Artificial Total Artificial Heart Implantation: A Case Series. *Pharmacotherapy* 2008 Nov 28(11):1413-20.

56. Kiser AC, Nifong LW, Raman J, Kasirajan V, Campbell N, Chitwood WR. Evaluation of a Novel Epicardial Atrial Fibrillation Treatment System in an In Vivo Ovine Model. *Ann. Thorac Surg*. 2008, Jan; 85(1):300-303.

57. Kimball PM, Flattery M, McDougan F, Kasirajan V. Cellular Immunity Impaired Among Patients on Left Ventricular Assist Device for 6 Months. *Ann. Thorac. Surg*. 2008; 85:1656-1661.

58. Kiev J, Parker M, Zhao X, Kasirajan V. Cardiac Herniation after Intrapericardial Pneumonectomy and Subsequent Cardiac Tamponade. *Am. Surg*. 2007, Sept; 73(9): 906-908.

59. Kimball P, Flattery M, Kasirajan V. T-cell Response to Staphylococcal Enterotoxin B is Reduced among Heart Failure Patients on Ventricular Device Support. *Transplant*

Proc. 2006, 38(10):3695-3696.

60. Okum EJ, Perez-Tamayo RA, Higgins RS, Kasirajan V, Flattery M, Crowley S. Administration of Rabbit Anti-Thymocyte Globulin during Cardiopulmonary Bypass: A Novel Approach to the Highly Sensitized Cardiac Transplant Patient. *J. Heart Lung Transplant* 2006, 25(5):608-610.

61. Banerjee D, Fusco D, Green J, Eapen G, Kasirajan V. Avoidable Errors in Cardiac Surgery: Anastomosis of the Left Internal Mammary artery to a vein. *Ann. Thorac. Surg.* 2005, 79(5):1769-1771.

62. DeAnda A, Philpott JM, Kasirajan V. Onlay Patch for Complete Intercostals Artery Preservation During Thoracic and Thoracoabdominal Aortic Aneurysm Repair. *J. Card. Surg.* 2005, 20:1-4.

63. DeAnda A, Kasirajan V, Henry D, Myers SI. Complete Regression of an Intramural Hematoma of the Aorta after Distal Reperfusion. *Vascular. Surg.* 2005, 42(1):149-152.

64. Falcucci O, Kasirajan V, Green J. Transesophageal Echocardiographic and Oxymetric Evidence of Intraoperative Reversal of Flow through a Patent Foramen Ovale during an Off-Pump Coronary Artery Bypass Grafting. *J. Clin. Anesth.* 2005, 17(8):617-620.

65. Okum EJ, Henry D, Kasirajan V. Cardiac Pheochromocytoma. *J. Thor. Cardiovascular. Surg.* 2005, 129(3):674-675.

66. Jiang M, Zhang M, Tang DG, Clemo HF, Liu J, Holwitt D, Kasirajan V, Pond AL, Wettwer E, Tseng GN. KCNE2 Protein is expressed in Ventricles of Different Species, and Changes in its Expression Contribute to Electrical Remodeling in Diseased Hearts. *Circulation* 2004, 109:1783-1788.

67. DeAnda A., Kasirajan V, Higgins RSD. Mitral Valve Repair versus Replacement in 2003: "Where do we stand?" *Curr. Opin. Cardiol.* 2003, 18:102-105.

68. Higgins RS, DeAnda A, Kasirajan V. VHI Report Card gets a Failing Grade. *Ann Thor Surg.* July, 2002, 74(1):294; author reply 294.

69. Kasirajan V, Simmons I, King J, Shumaker MD, DeAnda A, Higgins RS. Technique to Prevent Limb Ischemia during Peripheral Cannulation for Extracorporeal Membrane Oxygenation. *Perfusion* 2002, 17:427-428.

70. Kasirajan V, McCarthy PM, Hoercher KJ, Starling RC, Young JB, Banbury MK, Smedira NG. Clinical Experience with Long-Term Use of Implantable Left Ventricular Assist Devices: Indications, Implantation, and Outcome. *Semin. Thorac Cardiovasc Surg.* 2000, 12(3):229-237.

71. Casselman FP, Gillinov AM, Kasirajan V, Ratliff NB, Cosgrove DM. 3rd. Primary Synovial Sarcoma of the Left Heart. *Ann Thor Surg.* December, 1999, 68(6)2329-2331.

72. Casselman FP, Gillinov AM, Akhrass R, Kasirajan V, Blackstone EH, Cosgrove DM, Intermediate Term Durability of Bicuspid Aortic Valve Repair for Prolapsing Leaflet. *Eur*

J of Cardiothoracic Surg 1999, 15:302-308.

73. Kasirajan V, Smedira NG, McCarthy JF, Casselman FP, Boparai N, McCarthy PM, Risk Factors for Intracranial Hemorrhage in Adults on Extracorporeal Membrane Oxygenator Support. Eur J Cardiothoracic Surg 1999, 15:508-514.

74. Kasirajan V, Smedira NG, McCarthy PM, Perl J. Thromboembolism Associated with Left Ventricular Assist Device Use and Successful Therapy with Intra Arterial Urokinase. Ann Thor Surg 1999, 67:1148-50.

75. Kasirajan V, Hertzner NR, Beven EG, O'Hara PJ, Krajewski LP, Sullivan TM. Management of Isolated Common Iliac Artery Aneurysms. Cardiovascular Surgery, April, 1998, 6(2):171-177.

76. McCarthy JF, McCarthy PM, Massad MG, Cook DJ, Smedira NG, Kasirajan V, Goormastic M, Hoercher K, Young B. Risk Factors for Death After Heart Transplantation: "Does a Single Center Experience Correlate with Multicenter Registries?" Ann Thor Surg 1998, 65:1574-1579.

77. McCarthy JF, McCarthy PM, Smedira NG, Scalia GM, Wong J., Kasirajan V, Goormastic M, Young JB. Partial Left Ventriculectomy and Mitral Valve Repair for Endstage Heart Failure. Eur J Cardiothoracic Surg 1998, 13:337-343.

78. Kasirajan V, Hull T, Pelley R. Small Cell Undifferentiated Carcinoma Associated with Adenocarcinoma in Mucosal Ulcerative Colitis. Contemporary Surgery, November, 1997, 51(5):337-338.

79. Kasirajan V, Rangabashyam N, Omprakash R, Chandramohan SM. Umbilical Hernia with Complicated Systemic Disease. Indications and Contraindications for Surgery. The Antiseptic 1991, 88(3):137-138.

80. Kasirajan V, Rangabashyam N, Omprakash R, Rathinaswamy A, Vijayan J. Unusual Iatrogenic Complications in Surgery. The Antiseptic 1991, 88(2):77-78.

81. Kasirajan V, Swayam S, Durairaj J, Sarathakathiresan S. A case of Subhepatic Inverted Cecum. J of Association of Anatomists of Tamil Nadu, May, 1983.

Books, Book Chapters and Monographs

1. Golding LAR, El-Banayosy A, Kormos RL, Farrar DJ, Schmid C, Jassawalla JS, Miller PJ, Kasirajan V, Woodard J, Esmore DS. Emerging Left Ventricular Assist Devices. Chapter 12. Mechanical Circulatory Support. ISHLT Monograph Series 2006; 205-217.

2. Higgins R, DeAnda A, Kasirajan V, Makhoul K, Aron T, McCarthy H, Spiess B. Challenging the Transfusion Trigger in Cardiac Surgery: Impact on Resource Utilization, Transfusion Rates and Outcomes. AHA Scientific Forum on Quality of Care and Outcomes Research in CVD and Stroke, June 2002.

3. Kasirajan V, McCarthy P, Hoerscher K, Smedira N, Young J. Implantable Ventricular Assist Devices. In Seminars in Thoracic Surgery. Edit J. Cox. Mechanical Circulatory Assistance, July 2000.

4. McCarthy PM, Kasirajan V, Starling RC, Smedira NG, Young J. Ventriculectomy. In Management of End Stage Heart Disease. Edit Eric A. Rose, Lynn Warner Stevenson. Lippincott Raven Publishers. Philadelphia, 1998.

5. Kasirajan V. Prophylactic Antibiotics: Their Use in General Surgical Practice. In Physician's Pocket Manual. Edited by A. Rajagopalan, K. Seshadri, J.K. Thiruchelvam, V. Sankararaman. Affiliated East West Press Pvt Ltd, Madras, India. 1991; 103-107.

Lay Press Interviews or Publications

1. NPR with Good Reason: Interview Regarding the Use of the Artificial Heart, PBS. Oct 2011.

2. Richmond Magazine, Top Doc's, 2006 to Present. Heart Failure, Interview with Bill Bevins. Clear Channel Media & Entertainment, Lite 98. Richmond, VA.

3. The Artificial Heart, Interview with Bill Bevins. Clear Channel Media & Entertainment, Lite 98. Richmond, VA.

4. Outreach Ads, Virginia Commonwealth University Medical Center, Cardiothoracic Program, Richmond, VA.

Patient Education Material

1. Design of the website for Department of Surgery at VCUHS 2014-2016
2016

2. Patient Education Material Regarding Heart Surgery 2013
2013

3. Thoracic Aortic Surgery (with Dr. Derek Brinster)

4. Treatment Options for Atrial Fibrillations (with Dr. Kenneth Ellenbogen)

5. Medlines – Articles on Mechanical Circulatory Support, Atrial Fibrillation

6. Video for Patients - Preparing for Heart Surgery and What to Expect

7. Design of the website for Cardiothoracic Surgery at VCUHS, www.hearts.vcu.edu.

8. Dept of Surgery Youtube page.

Generated by SOM ePortfolio