

MARK J RUSSO, M.D., M.S.

Addresses: **Office**
Robert Wood Johnson University Hospital
1 Robert Wood Johnson Pl
New Brunswick, NJ 08901

Office: 732-235-7231

Fax: 732-235-8963 (office)
212-202-4997 (efax)

July 5, 1974; Syracuse, NY

Date of Birth:

**Clinical
Interests:** Complex and re-operative aortic surgery, including open, minimally-invasive, endovascular, transcatheter, and hybrid approaches; valve repair; endocarditis; biologic composite grafts; advanced cardiopulmonary perfusion techniques, reoperative valvular surgery, thoracic organ replacement.

**Research
Interests:** Outcomes research: (a) adoption and diffusion of new technology; (b) outcomes reporting systems, (c) the clinical and economic evaluation of rapidly evolving device technologies for treating cardiac disease; (d) organ allocation strategies to maximize the benefits of transplantation; (e) shared-decision making; and (f) continuous-quality improvement.

Mark J. Russo, MD, MS, is the **Chief of the Division of Cardiac Surgery; Director of Structural Heart Disease;** and **Associate Professor of Surgery** at **Rutgers-Robert Wood Johnson Medical School.**

Dr. Russo specializes in the treatment of complex and reoperative aortic and valvular disease. To achieve the best possible patient outcomes, Dr. Russo uses leading-edge technologies, including open, minimally invasive, catheter-based, and hybrid approaches. Dr. Russo is **among the most experienced transcatheter valve surgeons in the U.S.** He has taught these novel procedures to hundreds of other physicians throughout the world. Dr. Russo is also an experienced transplant surgeon, participating in **over 500 successful organ transplants.**

Dr. Russo has **co-authored more than 200 published manuscripts, abstracts, and textbook chapters** focused on improving health care quality and clinical outcomes for patients with cardiovascular disease. Dr. Russo **holds leadership roles for several national and international clinical trials** exploring novel treatments for heart valve disease. For his work, Dr. Russo has received awards from leading professional organizations, including the **American Heart Association (AHA), European Society of Cardiology (ESC), Association of American Medical Colleges (AAMC), Thoracic Surgery Directors Association (TSDA), Thoracic Surgery Foundation for Research and Education (TSFRE), and the National Institutes for Health (NIH).** Dr. Russo received the **President's Award from the Society of Thoracic Surgeons (STS),** the largest organization of thoracic and cardiovascular surgeons in the world.

Dr. Russo is a graduate of **Phillips Academy** in Andover, MA and received his undergraduate degree in Chemistry from the **University of Rochester.** He later obtained a Master's in outcomes research from **Dartmouth Medical School.** He earned his Medical Doctorate from the **Albert Einstein College of Medicine** in New York City. He completed residencies in General Surgery and Cardiothoracic Surgery at the **Columbia University Medical Center** in New York, NY. He also completed Post-Doctoral Research Fellowships at Columbia University's College of Physicians and Surgeons and the **National Heart, Lung, and Blood Institute.** Previously, he was Assistant-Attending-in-Cardiothoracic-Surgery at **New York-Presbyterian Hospital/Columbia** in New York, NY, and subsequently, was Director of Cardiac Surgery Research and Co-Director of the Aortic Center at the **University of Chicago.** Dr. Russo is a **Diplomat of the American Board of Thoracic Surgery,** and he is a member of the American Association for Thoracic Surgery and Society of Thoracic Surgeons.

CLINICAL APPOINTMENTS

- 2019- Chief, Division of Cardiac Surgery
Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ
- 2019- Director, Structural Heart Disease
Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ
- 2013- Attending Surgeon, Department of Cardiac and Thoracic Surgery
RWJBarnabas Health, New Brunswick, NJ
- 2015-19 Director, Structural Heart Disease
RWJBarnabas Health, New Brunswick, NJ
- 2013-19 Director, Center for Aortic Diseases
RWJBarnabas Health, New Brunswick, NJ
- 2011-12 Co-Director, Aortic Center
University of Chicago Medical Center, Chicago, IL
- 2011-12 Director, Extracorporeal Membrane Oxygenation Program
University of Chicago Medical Center, Chicago, IL
- 2010-12 Attending Surgeon, Section of Cardiac and Thoracic Surgery
University of Chicago Medical Center, Chicago, IL
- 2010 Assistant Attending-in-Surgery, Division of Cardiothoracic Surgery
New York Presbyterian Hospital/Columbia, New York, NY

ACADEMIC APPOINTMENTS

- 2019- Associate Professor of Surgery
Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ
- 2019- Academic Chief, Department of Cardiothoracic Surgery
RWJBarnabas Health, New Brunswick, NJ
- 2015- Director, Valve Research Center
RWJBarnabas Health, New Brunswick, NJ
- 2014-19 Assistant Professor of Surgery
Rutgers-New Jersey Medical School, Newark, NJ

- 2013- Director, Cardiac Surgery Research
 Barnabas Heart Hospital, NJ

- 2010-12 Assistant Professor of Surgery
 Section of Cardiac and Thoracic Surgery
 University of Chicago, Chicago, IL

- 2011-12 Director, Cardiovascular Clinical Research Unit
 University of Chicago Medical Center, Chicago, IL

- 2010-12 Faculty Affiliate, Center for Health and the Social Sciences(CHES)
 University of Chicago

- 2002-10 Clinical Instructor-in-Surgery, Department of Surgery
 College of Physicians and Surgeons, Columbia University, New York, NY

EDUCATION AND TRAINING

Institution	Position/Degree
Clinical Research Skills Development Core National Heart, Lung, and Blood Institute (NHLBI); Duke Clinical Research Institute; and East Carolina Heart Institute, 07/2011-06/2013 <i>Mentors: T. Bruce Ferguson, MD, and David Meltzer, MD, PhD</i>	Post-Doctoral Research Fellowship
Columbia University Medical Center Division of Cardiothoracic Surgery New York, NY, 07/2010-09/2010 <i>Chief: Craig R. Smith, MD</i>	Advanced Fellow, Adult Cardiac Surgery
Columbia University Medical Center Division of Cardiothoracic Surgery New York, NY, 07/2008-06/2010 <i>Chief: Craig R. Smith, MD</i>	Resident, Cardiothoracic Surgery
Columbia University Medical Center Department of Surgery New York, NY, 09/2007-03/2008 <i>Chief: Lloyd Ratner, MD</i>	Clinical Fellow, Renal Transplantation
Columbia University Medical Center Department of Surgery New York, NY, 06/2007-06/2008 <i>Chair: Eric A Rose, MD</i>	Chief Resident, General Surgery
Columbia University Division of Cardiothoracic Surgery & Mailman School of Public Health New York, NY, 06/2005-11/2006 <i>Mentors: Mehmet C. Oz, MD; Eric A. Rose, MD; Annetine Gelijns, PhD</i>	Post-Doctoral Research Fellow
Columbia University Medical Center Department of Surgery New York, NY, 6/2002-6/2007 <i>Chair: Eric A. Rose, MD</i>	Intern/Resident, General Surgery
Albert Einstein College of Medicine Bronx, NY, 9/1998-6/2002	MD

Dartmouth Medical School
Center for the Evaluative Clinical Sciences
Hanover, NH, 1997-98

MS,
Evaluative Clinical
Sciences

University of Rochester
Rochester, NY, 1994-97

BA,
Chemistry
Cum Laude

Williams College
Williamstown, MA, 1993-94

Phillips Academy '93
Andover, MA.

High School

HOSPITAL PRIVILEGES

Robert Wood John Medical Center
New Brunswick, NJ

7/18-

Monmouth Medical Center
Long Branch, NJ

1/18 -

St Barnabas Medical Center
Livingston, NJ

1/13 -

Newark Beth Israel Medical Center
Newark, NJ

12/12 -

University of Chicago Medical Center
Chicago, IL

9/10 - 10/12

New York Presbyterian-Columbia
New York, NY

7/10 - 9/10

BOARD CERTIFICATION

American Board of Thoracic Surgery	#7885
	Issued: 06-12-2012
	Expires: 12-31-2022

LICENSURE

New Jersey Medical Examiners Medical Doctor	#25MA09214100
	Issued: 11-05-2012

New York State License in Medicine and Surgery	#234808-1
	Issued: 06-01-2004

State of Illinois License in Medicine and Surgery	#036.126542
	Issued: 09-01-2010
	Expired: 07-31-2014

State of Arizona License in Medicine	#43715
	Issued: 11-01-2010
	Expired: 07-31-2014

CERTIFICATION

National Provider Identification Number	#1326289786
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NJ State Controlled Substance	#D10131900
	Issued: 11-19-2012

DEA No. (Unlimited)	FR2063193
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HONORS AND AWARDS

- 2019 Education Award
New Jersey Women's Physician Alliance
- 2016 New Jersey Physician of the Year
NJBIZ
- 2016 Healthcare Hero
Horizon Blue Cross/Blue Shield
- 2012 President's Award
Society of Thoracic Surgeons
- 2012 Young Investigator Research Award
Thoracic Surgery Foundation for Research and Education
- 2012 Faculty Leader in Program Innovation
Department of Surgery, University of Chicago
- 2012 Circulation's Most Important Papers 2012, "The cost-effectiveness analysis of continuous flow left ventricular assist devices."
- 2010 Benson R. Wilcox Research Award
Thoracic Surgery Directors Association/Society of Thoracic Surgeons
- 2010 Finalist, Paul C. Samson Research Award
Western Thoracic Surgical Association
- 2008 Young Investigator Award
European Society of Cardiology
- 2008 Blakemore Prize -- for the best body of research by a graduating resident
College of Physicians and Surgeons, Columbia University
- 2006,07 Blakemore Award for Surgical Research -- for outstanding research performed by a surgical resident over the academic year
College of Physicians and Surgeons, Columbia University
- 2005,07,09 Trainee Travel Award, Mechanical Circulatory
Support Gordon Research Conference
- 2006 "Looking to the Future" Scholar

- Society of Thoracic Surgeons
- 2006 Quality of Care and Outcomes Fellow
American Heart Association
- 2006 Cardiothoracic Surgery Resident Scholarship
NewEra Cardiac Care Conference
- 2002 Dean's Award,
"In recognition of remarkable intelligence and exceptional patient care abilities,
and thereby promise for the future of medicine."
Albert Einstein College of Medicine
- 2000 Top Prize, Health Policy Research Category
"Obstacles to preventive care among the uninsured and underinsured."
2000 National Institutes of Health-Association of American Medical Colleges
Research Poster Session
- 1998 Political Leadership Institute
American Medical Student Association
- 1997 Commencement Marshal, Class of 1997
Awarded to the member of the graduating class whom "most embodies the ideals
of the College."
College of Arts and Sciences, University of Rochester
- 1995-97 Captain, Varsity Baseball
University of Rochester
- 1994 CRC Press First-Year Chemistry Student Achievement Award
Awarded to "the highest achieving first-year chemistry student."
Williams College
- 1993-97 Dean's List
University of Rochester and Williams College
- 1992-93 Headmaster's List
Phillips Academy

CLINICAL TRIALS AND REGISTRIES

- 2018 - Site Principle Investigator, RWJBarnabas Health (NCT03170349)
The CLASP Study Edwards PASCAL TrAnScatheter Mitral Valve RePair System Study (CLASP)

- 2018 - Site Principle Investigator, RWJBarnabas Health (NCT02661451)
Transcatheter Aortic Valve Replacement to UNload the Left Ventricle in Patients With ADvanced Heart Failure (TAVR UNLOAD)

- 2018 - Site Principle Investigator, RWJBarnabas Health (NCT03517436)
CENTERA THV System in Intermediate Risk Patients Who Have Symptomatic, Severe, Calcific, Aortic Stenosis Requiring Aortic Valve Replacement (ExCEED)

- 2018 - Site Principle Investigator, RWJBarnabas Health (NCT03016975)
Edwards Cardioband System ACTIVE Pivotal Clinical Trial (ACTIVE)

- 2018 - Site Principle Investigator, RWJBarnabas Health
ACURATE Neo™ Valve Implantation

- 2018 - Site Principle Investigator, RWJBarnabas Health (NCT03433274)
Clinical Trial to Evaluate the Safety and Effectiveness of Using the Tendyne Mitral Valve System for the Treatment of Symptomatic Mitral Regurgitation (SUMMIT)

- 2017 - Site Principle Investigator, RWJBarnabas Health (NCT03042104)
Evaluation of Transcatheter Aortic Valve Replacement Compared to Surveillance for Patients With AsYmptomatic Severe Aortic Stenosis (EARLY TAVR)

- 2017 - Site Principle Investigator, RWJBarnabas Health (NCT02879448)
AMPLATZER™ Amulet™ LAA Occluder Trial (Amulet IDE)

- 2017 - Site Sub-Investigator, RWJBarnabas Health (NCT02987387)
COMPASSION XT PAS - Post-approval Study of the SAPIEN XT THV in Patients With Pulmonary Valve Dysfunction

- 2017 - Site Sub-Investigator, RWJBarnabas Health (NCT03193801)
PARTNER 3 Trial - Mitral Valve in Valve

- 2017 Site Sub-Investigator, RWJBarnabas Health (NCT03003299)
The PARTNER 3 - AVIV Trial
- 2016 - 18 Site Principle Investigator, RWJBarnabas Health (NCT02675114)
The Safety and Effectiveness of the SAPIEN 3 Transcatheter Heart Valve in Low Risk Patients With Aortic Stenosis (PARTNER 3)
- 2015 - 17 Site Principle Investigator, Barnabas Heart Hospital (NCT01314313)
PARTNER 2 Trial. The SAPIEN 3 Transcatheter Heart Valve with Associated Delivery Systems in Intermediate Risk Patients with Severe Symptomatic Aortic Stenosis Continued Access Protocol
- 2015-17 Site Co-Investigator, Barnabas Heart Hospital (NCT01626079)
COAPT Clinical Trial
- 2014 Site Principle Investigator, Barnabas Heart Hospital (NCT01314313)
PARTNER 2 Trial. The SAPIEN 3 Transcatheter Heart Valve with Associated Delivery Systems in Intermediate Risk Patients with Severe Symptomatic Aortic Stenosis
- 2014 - Site Principle Investigator, Barnabas Heart Hospital (NCT02000115)
Portico Re-sheathable Transcatheter Aortic Valve System US IDE Trial (PORTICO)
- 2013 Site Principle Investigator, Barnabas Heart Hospital (NCT01314313)
PARTNER 2 Trial. The SAPIEN 3 Transcatheter Heart Valve with Associated Delivery Systems in High Risk or Inoperable Patients with Severe Symptomatic Aortic Stenosis
- 2013 Site Principle Investigator, Barnabas Heart Hospital (NCT01314313)
PARTNER 2 Trial. The Safety and Effectiveness of the SAPIEN XT™ Transcatheter Heart Valve with NovaFlex and Ascendra delivery systems in Intermediate and High Risk for Aortic Valve Surgery
- 2013 Site Principle Investigator, Barnabas Heart Hospital (NCT01314313)
PARTNER 2 Trial. The Safety and Effectiveness of the SAPIEN XT™ Transcatheter Heart Valve with NovaFlex and Ascendra delivery systems in Patients Who Cannot Undergo Surgery

- 2013- Site Sub-Investigator, Barnabas Heart Hospital (NCT01740596)
C-Pulse® System: A Heart Assist Device Clinical Study
- 2012- Economic Core Lab
Cardiothoracic Surgery Clinical Trial Network; National Heart, Lung, and Blood
Institute, National Institutes of Health, U01-HL088942-01-1
- 2012- Site Principle Investigator, Barnabas Health Heart Centers
International Registry of Acute Aortic Dissection (IRAD)
MCORP, Ann Arbor, MI
- 2012 Sub-Investigator, University of Chicago (NCT01369407)
“Randomized Evaluation of VAD Intervention before Inotropic Therapy
(REVIVEIT)”
University of Michigan, National Heart, Lung, and Blood Institute (NHLBI),
Thoratec Corporation
- 2012 Sub-Investigator, University of Chicago (NCT01452802)
“Risk Assessment and Comparative Effectiveness of Left Ventricular Assist Device
and Medical Management in Ambulatory Heart Failure Patients (ROADMAP)”
- 2011-12 Site Principle Investigator, University of Chicago
International Registry of Acute Aortic Dissection (IRAD)
MCORP, Ann Arbor, MI
- 2011-12 Site Principle Investigator, University of Chicago (NCT00903370)
“Surgical Ablation versus No Surgical Ablation for Patients with Persistent or
Longstanding Persistent Atrial Fibrillation Undergoing Mitral Valve Surgery”
Cardiothoracic Surgery Clinical Trial Network; National Heart, Lung, and Blood
Institute (NHLBI), National Institute of Neurological Disorders and Stroke (NINDS),
Canadian Institutes of Health Research (CIHR) U01-HL088942-01-3
- 2011-12 Site Principle Investigator, University of Chicago (NCT00672334)
“Sodium Bicarbonate in Cardiac Surgery Study (Bic-MC)”
Austin Health, Melbourne, Victoria, Australia
- 2011-12 Investigator, University of Chicago (NCT01166347)
ENDURANCE - HeartWare Ventricular Assist System Clinical Trial

- 2007-09 Member, Data Coordinating Center
Cardiothoracic Surgery Clinical Trial Network
NHLBI, NHI, U01-HL088942
- 2007 Member, Protocol Committee (NCT00806988)
“Surgical Interventions for Moderate Ischemic Mitral Regurgitation.”
Cardiothoracic Surgery Clinical Trial Network; National Heart, Lung, and Blood
Institute (NHLBI), National Institute of Neurological Disorders and Stroke (NINDS),
Canadian Institutes of Health Research (CIHR) U01-HL088942-01-1
- 2007 Member, Protocol Committee (NCT00807040)
“Evaluation of Outcomes Following Mitral Valve Repair/Replacement in Severe
Chronic Ischemic Mitral Regurgitation.”
Cardiothoracic Surgery Clinical Trial Network; National Heart, Lung, and Blood
Institute (NHLBI), National Institute of Neurological Disorders and Stroke (NINDS),
Canadian Institutes of Health Research (CIHR) U01-HL088942-01-2
- 2007 Member, Protocol Committee (NCT00903370)
“Surgical Ablation versus No Surgical Ablation for Patients with Persistent or
Longstanding Persistent Atrial Fibrillation Undergoing Mitral Valve Surgery”
Cardiothoracic Surgery Clinical Trial Network; National Heart, Lung, and Blood
Institute (NHLBI), National Institute of Neurological Disorders and Stroke (NINDS),
Canadian Institutes of Health Research (CIHR) U01-HL088942-01-3
- 2007-09 Member, Economics and Quality of Life Subcommittee
Interagency Registry for Mechanically Assisted Circulatory Support (InterMACS)
NHLBI, NHI, Contract #N01-HV-58198
- 2005-07 Sub-Investigator, Columbia University Medical Center
“Nesiritide Administered Peri-Anesthesia in patients undergoing cardiac surgery.”
- 2005-06 Member, Protocol Committee
“Calcium Up-Regulation by Percutaneous Administration of Gene Therapy in
Cardiac Disease (CUPID)”
- 2005-07 Member, Data Coordinating Center
“The Biology of Human Long-Term Mechanical Circulatory Support”
Specialized Centers of Clinically Oriented Research; NHLBI, NHI, RFA-HL-03-009

COMMITTEES

Professional

- 2019- Member, 2020 TVT Program Committee
- 2019- Member, 21st Century Cardiothoracic Surgical Society
- 2019- Member, Scientific Publications Committee
PARTNER Trials
- 2018- Review Committee, Task Force on Funded Research (TFR)
Society of Thoracic Surgeons
- 2018- Case Review Board
S3-ULTRA Study Trial
- 2017- Steering Committee
EARLYTAVR Trial
- 2016- Leadership Committee
PARTNER 3 Trial
- 2016- Co-Chair, Case Review Board
PARTNER 3 Trial
- 2016- Review Committee, STS Database Participant User File Review Task Force, Adult
Cardiac Surgery
Society of Thoracic Surgeons
- 2016- Case Review Board
PORTICO Japan
- 2015-17 Case Review Board,
PORTICO Trial
- 2014-16 Case Review Board
PARTNER II Trial

- 2014 Program Committee, Transcatheter Valve Symposium
Great Wall International Congress of Cardiology, Beijing, China
- 2013- Representative (NJ), Medicare Contractor Advisory Committee Society of Thoracic
Surgeons Appointee
- 2013-19 Workforce on Media Relations and Communications
Society of Thoracic Surgeons
- 2012-14 Editorial Board, "Journals and News Scan"
CTSNet.org
- 2012-14 Editorial Board, "Endovascular Portal"
CTSNet.org
- 2011-12 Curriculum Committee
Thoracic Surgery Directors Association
- 2011 Mentor, Looking to the Future Program
Society of Thoracic Surgeons
- 2005-07 Merck Columbia-Stanford Consortium of Medical Innovation
National Institute of Health
- 1998-02 Promoting, Reinforcing, and Improving Medical Education (PRIME) Initiative
US Department of Health & Human Services

Institutional

- 2016- Chair, Structural Heart Inter-Institutional Leadership Group
RWJBarnabas Health
- 2016- Member, Cardiovascular Inter-institutional Leadership Group
RWJBarnabas Health
- 2014- Cardiovascular Service Line Leadership Committee,
Newark Beth Israel Medical Center
- 2011-12 Quality Improvement Committee
Department of Surgery, University of Chicago

- 2011-12 New Hospital Pavilion Hybrid OR Committee,
Department of Surgery, University of Chicago
- 2010-12 Associate Director, System-Based Learning Initiative, General Surgery Residency
Department of Surgery, University of Chicago
- 2007-10 Cardiothoracic Surgery Quality Improvement Committee
New York Presbyterian Hospital/Columbia
- 2006-07 Joint (Columbia-Cornell) Graduate Medical Education Committee
New York Presbyterian Hospital
- 2005-08 Organ Procurement Surgeon
New York-Presbyterian Hospital/Columbia
- 2001-02 Tutor in Anatomy
Albert Einstein College of Medicine
- 1999 Preceptor, Pre-Med Summer Internship
Montefiore-Einstein Heart Center
- 1998-00 Founder/Clinical Operations Manager
ECHO-Walton Avenue Free Clinic, Bronx, NY
- 1997-99 Honor Code Committee
Albert Einstein College of Medicine
- 1996-97 Residential College Commission
University of Rochester

RESEARCH GRANTS

- “The Effect of Broader Geographic Organ Sharing on Survival for Lung Transplant Candidates.” Thoracic Surgery Foundation for Research and Education, \$40,000 per year (2012-2014).
- “The Clinical and Economic Impact of Hospital Acquired Infections in Cardiac Surgery: Planning Cost-Effective Prevention Strategies for the Cardiothoracic Surgery Clinical Trials Network.” InHealth (2012-13), \$250,000 (Consultant – 3%).
- “The Impact of Organ Sharing Over Broader Geographics on Survival Among Lung Transplant Candidates.” Clinical and Translational Science Awards-Institute for Translational Medicine Core Subsidies, National Institutes of Health, UL1 RR024999, (2011), \$1,025.
- Data Coordinating Center – International Center for Health and Outcomes Research - Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine (U01), RFA-HL-06-005, National Heart, Lung, and Blood Institute, National Institutes of Health, (2007-12), \$23,000,000.
- Clinical Center – Columbia University, Division of Cardiothoracic Surgery - Network for Cardiothoracic Surgical Investigations in Cardiovascular Medicine (U01), RFA-HL-06-005, National Heart, Lung, and Blood Institute, National Institutes of Health, (2007-12), \$1,500,000.
- The Cost of Heart Failure, Columbia University Department of Surgery Research Grant (2007-08), \$5,179.
- Thromboelastography-guided transfusion algorithm in ventricular assist device and heart transplant patients. New York State Department of Health ECRIP Grant (2006-08), \$120,000.
- A randomized trial of the modified MAZE procedure and left atrial appendage exclusion in patients with atrial fibrillation undergoing mitral valve surgery. New York State Dept of Health ECRIP Grant (2006-08), \$120,000.
- Biventricular pacing immediately prior to cardiopulmonary bypass. New York State Dept of Health ECRIP Grant (2005-07), \$120,000.

RESEARCH GRANTS (cont)

- Comparison of neurohormonal responses to pulsatile vs. mechanical circulatory support. Columbia University Department of Surgery Research Grant (2006-07), \$5,375.
- Pharmacological approaches that interfere with the phosphorylation-dependent loss of TASK-1 function to improve the efficacy of the modified Maze procedure in the treatment of acute atrial fibrillation. Columbia University Department of Surgery Research Grant (2005-06), \$4,851.
- Thromboelastography monitoring following heart transplantation and ventricular assist device implantation. Columbia University Department of Surgery Research Grant (2005-06), \$4,634.
- Local delivery of amiodarone with tissue adherent hydrogel patch. Columbia University Department of Surgery Research Grant (2005-06), \$4,446.
- Complications in leg wound healing using three approaches to vein harvesting during CAGB surgery. Ethicon Endo-Surgery (2000), \$15,000.
- Internal Mammary Artery Harvesting with Ultrasonically Activated Scalpel versus Electrocautery. Ethicon Endo-Surgery (2000), \$15,000.
- Einstein Community Health Outreach Free Clinic. Starr Foundation (1999-00), \$150,000.
- Einstein Community Health Outreach Free Clinic. Elabash Foundation (1999), \$25,000 annually renewable grant.
- Einstein Community Health Outreach Free Clinic. AAMC Caring for Community Program (1999), \$8,000 annually renewable grant.

PROFESSIONAL ORGANIZATION MEMBERSHIPS

2014- Member, Society of Thoracic Surgeons
2011-4 Member, American Heart Association
2011-2 Member, International Society of Heart and Lung Transplantation
2011-2 Member, ISHLT Pulmonary Transplant Council
2011-2 Member, ISHLT Mechanical Circulatory Support Council
2011-2 Member, ISHLT Heart Failure & Transplant Medicine Council
2011-2 Member, ISHLT Junior Faculty and Trainee Council
2010-3 Candidate Member, Society of Thoracic Surgeons

AD HOC REVIEWER

2015- Circulation
2012- Annals of Thoracic Surgery
2011- Vascular
2010- PLoS One
2008- Journal of Heart Failure
2007- Transplantation

PEER-REVIEWED JOURNAL ARTICLES

- 1) Mack MJ, Leon MB, Thourani VH, Makkar R, Kodali SK, **Russo M**, Kapadia SR, Malaisrie SC, Cohen DJ, Pibarot P, Leipsic J, Hahn RT, Blanke P, Williams MR, McCabe JM, Brown DL, Babaliaros V, Goldman S, Szeto WY, Genereux P, Pershad A, Pocock SJ, Alu MC, Webb JG, Smith CR; PARTNER 3 Investigators. Transcatheter Aortic-Valve Replacement with a Balloon-Expandable Valve in Low-Risk Patients. *N Engl J Med*. 2019 Mar 17.
- 2) Okoh AK, Kang N, Nicky Haik, Fugar S, Chen C, Haik B, Cohen M, **Russo MJ**. Clinical and Functional Outcomes Associated with Age After Transapical Transcatheter Aortic Valve Replacement. *Innovations (Phila)*. *J Invasive Cardiol*. 2019 May;31(5):153-158.
- 3) Okoh AK, Chauhan D, Kang N, Haik N, Merlo A, Cohen M, Haik B, Chen C, **Russo MJ**. The impact of frailty status on clinical and functional outcomes after transcatheter aortic valve replacement in nonagenarians with severe aortic stenosis. *Catheter Cardiovasc Interv*. 2017 Nov 15;90(6):1000-1006.
- 4) Okoh AK, Fugar S, Kang N, Haik N, Choi M, Cohen M, Haik B, Chen C, **Russo MJ**. Predictors of Extended Postoperative Length of Stay After Uncomplicated Transcatheter Aortic Valve Replacement. *J Invasive Cardiol*. 2019 May;31(5):153-158.
- 5) Okoh AK, Kambiz K, Unnikrishnan D, Fugar S, Sossou C, Thawabi M, Hawatmeh A, Haik B, Chen C, Cohen M, **Russo MJ**. Effect of Transcatheter Aortic Valve Implantation on Renal Function in Patients With Previous Renal Dysfunction. *Am J Cardiol*. 2019 Jul 1;124(1):85-89.
- 6) Okoh A, Yanagida R, Schultheis M, Chaudari S, Fugar S, Nnaoma C, Chan O, Zucker MJ, Karanam R, **Russo MJ**, Camacho M. Impact of Baseline Mitral Regurgitation on Postoperative Outcomes After Left Ventricular Assist Device Implantation as Destination Therapy. *Transplant Proc*. 2019 Apr;51(3):859-864. doi: 10.1016/j.transproceed.2019.01.053. Epub 2019 Jan 26. Erratum in: *Transplant Proc*. 2019 Jun;51(5):1636.
- 7) Fugar S, Okoh AK, Eshun D, Yirerong J, Appiah LT, Mbachii C, Legge T, Camacho M, **Russo MJ**. National Trends and Outcomes of Patients Bridged to Transplant With Continuous Flow Left Ventricular Assist Devices. *Transplant Proc*. 2019 Apr;51(3):852-858.
- 8) Okoh AK, Kang N, Haik N, Fugar S, Chunguang C, Bruce H, Cohen M, **Russo MJ**. Clinical and Functional Outcomes Associated with Age after Transapical Transcatheter Aortic Valve Replacement. *Innovations (Phila)*. 2019 Apr;14(2):151-158.
- 9) Okoh AK, Chan O, Schultheis M, Fugar S, Kang N, Kaplon S, Karanam R, **Russo MJ**, Zucker M, Camacho M. Racial Disparities and Outcomes After Left Ventricular Assist Device Implantation. *Innovations (Phila)*. 2019. Accepted for publication. In press

- 10) Ahmed Al-Ogaili, Fugar S, Okoh A, Kolkailah A, Al Hashemi N, Ayoub A, **Russo MJ**, Kavinsky CJ. Trends in Complete Heart Block after Transcatheter Aortic Valve Replacement: A Population based Analysis. *Catheter Cardiovasc Interv*. 2019 Accepted for publication. In Press.
- 11) Okoh AK, Haik N, Singh S, Kaur K, Fugar S, Cohen M, Haik B, Chen C, **Russo MJ**. Discharge disposition of older patients undergoing trans-catheter aortic valve replacement and its impact on survival. *Catheter Cardiovasc Interv*. 2019 Jan 7.
- 12) Okoh A, Yanagida R, Schultheis M, Chaudari S, Fugar S, Nnaoma C, Chan O, Zucker MJ, Karanam R, **Russo MJ**, Camacho M. Impact of Baseline Mitral Regurgitation on Postoperative Outcomes After Left Ventricular Assist Device Implantation as Destination Therapy. *Transplant Proc*. 2019 Apr;51(3):859-864.
- 13) Okoh AK, Chauhan D, Kang N, Cohen M, Haik B, Chen C, **Russo MJ**. Association of change in ejection fraction and outcomes in patients with left ventricular dysfunction. *J Heart Valve Dis*. 2019. Accepted for publication. In press
- 14) **Russo MJ**, McCabe J, Thourani V, Khodali S, Leon M. Case Volume vs. Outcomes Relationship with Balloon Expandable TAVR Valves: Insights from the TVT Registry. *JACC. J Am Coll Cardiol*. 2019;73:427-440.
- 15) Okoh AK, Kang N, Haik BN, Choi M, Fugar S, Cohen M, Haik B, Chen C, **Russo MJ**. Predictors of extended post-operative length of stay after uncomplicated trans catheter aortic valve replacement. *Am J Cardiol*. 2019 Jul 1;124(1):85-89.
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Argenziano M. Patient specific characteristics determine success of surgical atrial fibrillation ablation in patients with persistent atrial fibrillation. *2006 Heart Rhythm, Boston, MA.*

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181) Cheema FH, Martens TP, Duong JK, Topkara VL, Mercado M, George I, **Russo MJ**, Forster CS, Weinberg AD, Argenziano M, Oz MC, Esrig BC. Comparison of minimally invasive versus standard approach to mitral valve surgery: results from an audited state-wide mandatory database. *2006 Society of Thoracic Surgeons, Chicago, IL*

182) Bardakci H, Cheema F, Topkara VK, Dang NC, Martens TP, Mercado ML, Forster CS, George I, **Russo MJ**, Oz MC, Esrig BC. Discharge-to-home rate is significantly lower in octogenarians undergoing coronary artery bypass grafting: results from an audited state-wide mandatory database. *2006 Society of Thoracic Surgeons, Chicago, IL.*

183) Williams MR, **Russo MJ**, Hong KN, Martens TP, Topkara VK, Abbasi A, Smith CR, Oz MC, Argenziano M. Surgical Atrial Fibrillation Ablation using laser energy is safe and effective. *NewEra Cardiac Care: Innovation & Technology Meeting, Newport Beach, CA, 2006.*

184) **Russo MJ**, Martens TP, Hong KH, Doshi D, Colman DL, Abbasi A, Smith CR, Oz MC, Argenziano M. Minimally invasive versus standard approach for excision of atrial masses. *NewEra Cardiac Care: Innovation & Technology Meeting, Newport Beach, CA, 2006.*

185) **Russo MJ**, Sorabella R, Casher J, Oz MC, Argenziano M, William MR. The epicardial approach to Surgical Atrial Fibrillation Ablation is safe and effective using the laser energy source.

NewEra Cardiac Care: Innovation & Technology Meeting, Newport Beach, CA, 2006.

186) Cheema FH, Topkara VK, Forster CS, Dang NC, Martens TP, Mercado ML, Forster CS, George I, **Russo MJ**, Oz MC, Esrig BC. Coronary artery bypass grafting in patients with peripheral vascular disease conveys larger risk in a multicenter regional database. *NewEra Cardiac Care: Innovation & Technology Meeting, Newport Beach, CA, 2006.*

187) Topkara VK, Williams MR, **Russo MJ**, Liu J, Liang L, Abbasi A, Martens TP, Cheema FH, George I, Barili F, Smith CR, Oz MC, Argenziano M. Increased left atrial size is associated with increased rhythm failure and postoperative stroke following surgical atrial fibrillation ablation. *NewEra Cardiac Care: Innovation & Technology Meeting, Newport Beach, CA, 2006.*

188) Arkovitz MS, Devine P, **Russo MJ**, Budhorick N, Stolar CJH. Fetal Lung-Head Ratio is not related to outcome for antenatal diagnosed congenital diaphragmatic hernia. *2006 American Pediatric Surgical Association, Hilton Head, SC.*

189) Temple LKF, **Russo MJ**, Chen B, Paty PB, Weiser MR, Guillem JG, Minsky BD, Wong WD. Squamous cell cancer of the rectum: a rare disease with a favorable outcome. *2003 American Society of Colorectal Surgeons Annual Meetings, New Orleans, LA.*

190) Temple LKF, Bacik J, **Russo MJ**, Paty PB, Weiser MR, Guillem JG, Minsky BD, Kalman M, Thaler HT, Schrag D, Wong WD. The development of a validated instrument to evaluate bowel function after rectal cancer therapy. *2003 American Society of Colorectal Surgeons Annual Meetings, New Orleans, LA.*

191) Plestis KA, Nair DG, **Russo MJ**, Gold JP. Distal bypass and spinal drainage prevents paraplegia in aneurysm repair. *2000 Meeting of the Onassis Cardiac Surgery Center, Athens, Greece.*

192) Plestis KA, **Russo MJ**, Bernheim JW, Gold JP. The dome versus the transeptal approach in mitral valve repair. *2000 Meeting of the Onassis Cardiac Surgery Center, Athens, Greece.*

193) Plestis KA, Nair DG, **Russo MJ**, Gold JP. Left atriofemoral bypass and cerebrospinal fluid drainage reduces neurologic complications in repair of descending thoracic and thoracoabdominal aortic disease. *Peripheral Vascular Surgery Society, Toronto, ON.*

194) **Russo MJ**, McConnochie KM, McBride JT. RSV in previously wheezing and non-wheezing infants increases asthma-related morbidity. *2000 Pediatric Societies' Annual*

Meeting, Boston MA.

195) **Russo MJ**, Bolin TL, Shodell D, Blaker S, Calman N. Obstacles to preventive care among the uninsured and underinsured. *2000 National Institutes of Health-Association of American Medical Colleges Research Poster Session at the AMSA Convention, Washington, DC.*

196) **Russo MJ**, Bolin TL, Shodell D, Blaker S, Calman N. The face of the urban underserved. *2000 National Institutes of Health-Association of American Medical Colleges Research Poster Session at the AMSA Convention, Washington, DC.*

197) Shodell D, Siegel RM, **Russo MJ**, Blaker S, Calman N. Providing insurance enrollment for patients at a student-run free clinic. *2000 National Institutes of Health-Association of American Medical Colleges Research Poster Session at the AMSA Convention, Washington, DC.*

198) Plestis KA, **Russo MJ**, Gold JP. Vein harvesting using a minimally-invasive versus a standard approach. *1999 American College of Chest Physicians Meeting, Chicago, IL.*

199) **Russo MJ**, McConnochie KM, McBride JT, Szilagyi PG, Brooks AM, Roghmann KJ. Asthma admission threshold has risen to maintain stable asthma hospitalization rates despite increasing severity. *1998 Pediatric Societies' Annual Meeting, New Orleans, LA.*

200) McConnochie KM, **Russo MJ**, McBride JT, Szilagyi PG, Brooks AM, Roghmann KJ. Greater need explains socioeconomic variation in asthma hospitalizations. *1997 Pediatric Societies' Annual Meeting, Washington, DC.*

201) McConnochie KM, **Russo MJ**, McBride JT, Szilagyi PG, Brooks AM, Roghmann KJ. Asthma hospitalization eligible for care in alternative settings: how common? *1997 Pediatric Societies' Annual Meeting, Washington, DC.*

BOOK CHAPTERS

- 1) Iribarne/Hong, **Russo, MJ**. "Economics of Mechanical Circulatory Support," Management of Heart Failure, Raman J, ed. Springer, in progress.
- 2) **Russo, MJ**, Jeevanandum V. "Mechanical Circulatory Support for Acute Cardiopulmonary Failure," Management of Heart Failure, Raman J, ed. Springer, in progress.
- 3) **Russo MJ**, Jeevanandam V. "Heart Transplantation." Cardiothoracic Surgery Review, Franco KL & Thourani VH, editors. Lippincott Williams & Wilkins, 2011.
- 4) Sorabella RS, Agarwaal S, **Russo MJ**, Argenziano M. "Robotically-assisted atrial fibrillation surgery." In: Robotic Cardiothoracic Surgery, Argenziano M, ed. Humana Press, 2011.
- 5) Naseen T, Martens TP, **Russo MJ**, Argenziano M. "Totally endoscopic atrial septal defect repair." In: Robotic Cardiothoracic Surgery, Argenziano M, ed. Humana Press, 2011.
- 6) **Russo MJ**, Williams MR. "Alternative energy sources for the surgical treatment of atrial fibrillation." In: Manual of Surgical Treatment of Atrial Fibrillation by D'Ancona, Sie, Bartolozzi, Beukema, and Doty, eds. Blackwell Publishing, 2007.
- 7) **Russo MJ**, Merlo AE, Meltzer D; Gibbons R. Lung Donor Allocation. Lung Transplantation: Principles and Practice.

DISCLOSURES

- Trial Investigator: Edwards Lifesciences, Medtronic, Abbott, Boston Scientific
- Proctor (TAVR): Edwards Lifesciences
- Speaker Panel: Edwards Lifesciences, St Jude Medical

DEVICE CERTIFICATIONS

- Flex TX2 Flex TAA Graft (Cook Medical, Bloomington, IN)
- Flex Zenith Flex AAA Graft (Cook Medical, Bloomington, IN)
- Valiant Captivia TAA Stent (Medtronic, Santa Rosa, CA)
- Endurant Captivia AAA Stent (Medtronic, Santa Rosa, CA)
- TAG TAA Endoprosthesis (WL Gore, Flagstaff, AZ)
- Gore Excluder AAA Endoprosthesis (WL Gore, Flagstaff, AZ)
- Heartmate II (Thoratec , Pleasanton, CA)
- HVAD (Heartware, Framingham, MA)
- Sapien Valve Transfemoral (Edwards Lifesciences, Irvine, CA)
- Sapien Valve Transapical (Edwards Lifesciences, Irvine, CA)
- Sapien XT Valve (Edwards Lifesciences, Irvine, CA)
- Sapien 3 Valve (Edwards Lifesciences, Irvine, CA)
- Mitraclip (Abbott, Chicago, IL)
- Watchman (BSCI, Minneapolis, MN)
- Tendyne (Abbott, Chicago, IL)

TEACHING SERVICE

- 2005- Kimberly N. Hong, MHSA, mentored as a post-baccalaureate and medical student, Columbia University, New York, NY; 24 publications, including 4 first-author publications. Medical School: Columbia University College of Physicians and Surgeons, NY, NY. Internal Medicine and Cardiology Residency, Mount Sinai Medical Center, New York, NY.
- 2005-06 David Cork, MD, mentored as a post-baccalaureate student, Columbia University, New York, NY; 2 publications. Resident-in-Medicine, University of Chicago, IL. (2010-2013); Fellow-in-Cardiology, UC-San Diego '17. Attending Cardiologist, Sharp Medical Center, SD, CA
- 2005-07 Robert A. Sorabella, MD, mentored as an undergraduate and medical student, Columbia University; 5 publications. Resident-in-Cardiothoracic Surgery (Integrated Program), Columbia University, New York, NY. Resident, Congenital Heart Surgery, University of Michigan, Ann Arbor, MI
- 2007- Alexander Iribarne, MD, MS, mentored as post-doctorate research fellow, master's in science student, and general surgery resident, Columbia University, New York, NY; 19 publications, including 12 first-author publications, Finalist, Paul C. Samson Resident Award, and NIH Training Grant (5T32HL007854-13). Resident-in-Cardiothoracic Surgery, Duke University, Durham, NH. Currently, Assistant Professor Surgery, Dartmouth Medical School, Hanover, NH
- 2008-10 Rachel Easterwood, BA, mentored as a post-baccalaureate and medical student, Columbia University, New York, NY; 5 publications. Resident in Cardiology, Cleveland Clinic, Clev, OH
- 2008-09 Berhane Worku, MD, mentored as post-doctorate research fellow, Columbia University, New York, NY; 4 publications. Resident-in-Cardiothoracic Surgery Cornell University, New York, NY (2010-2012); Currently Attending Cardiothoracic Surgery, Methodist Hospital, NY, NY.
- 2010-12 Emily Chen, mentored as an undergraduate, University of Chicago '13; Currently, medical student at New York Medical College '17. 1 publication
- 2010-12 Ajeet Singh, mentored as an undergraduate, University of Chicago '13. 2 publications.
- 2010-12 Anne Marie Williams, mentored as an undergraduate, University of Chicago '12. Harvard Medical School '16. Currently, Family Medicine Resident, Swedish Medical Center.
- 2010-16 Aurelie Merlo, mentored as an undergraduate; 7 publications. University of Chicago '13; Case Western Reserve Medical School '16; Integrated Cardiothoracic Surgery Resident, UNC-Chapel Hill '23.

- 2012-14 Ashwin Karanam, mentored as an graduate student, NJMS MPH/MD'18. 1 publication. Resident, Morristown Medical Center
- 2012- Christopher Petit, mentored as a high school student and undergraduate. Boston College '19. 1 publication.
- 2013- Bruce N. Haik, mentored as post-graduate. Connecticut College '13. 4 publications.
- 2014- 16 Chauhan D, mentored as post-doctorate research fellow. 7 publications. CT Surgery Fellow, Montefiore Medical Center
- 2014-16 Colleen Cassidy, mentored as post-graduate. Tufts Medical School '21.
- 2016- Alexis Okoh, mentored as post-doctorate research fellow. Intern, Newark Beth Israel Medical Center. 10 publications