

## **CURRICULUM VITAE**

### **Aleem Siddique, MBBS**

**CAMPUS ADDRESS:** Department of Surgery-Cardiothoracic Surgery  
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## **EDUCATION**

1995 - 2000 MBBS, Medicine, Aga Khan University Medical College

## **POST DEGREE TRAINING**

03/2001 - 05/2003 Research Fellow, Department of Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA  
08/2003 - 06/2008 Residency, General Surgery, University of Texas Southwestern Medical center, Dallas, TX  
07/2009 - 06/2011 Residency, Cardiothoracic Surgery-Cardiothoracic Pathway, University of Arizona Health Sciences Center, Tucson, AZ  
10/2011 - 08/2013 Fellow, Cardiopulmonary Transplantation and Mechanical Circulatory Support, Freeman Hospital, Newcastle upon Tyne Hospital HGS Foundation Trust, UK  
2022 - 2023 Fellow, Transplant Health Policy Fellowship, American Society of Transplant Surgeons, Arlington, VA

## **ACADEMIC APPOINTMENTS**

2022 - Present Graduate Faculty, University of Nebraska, University of Nebraska System, Lincoln, NE  
2019 - Present Associate Professor, Division of Cardiothoracic Surgery, University of Nebraska Medical Center, Omaha, NE  
2019 - Present Surgical Director of Aortic program, University of Nebraska Medical Center, Omaha, NE  
2015 - Present Surgical Director of Lung Transplantation, University of Nebraska Medical Center, Omaha, NE  
2013 - Present Assistant Professor, Surgery, Cardiothoracic Surgery, University of Nebraska Medical Center, Omaha, NE

## **CERTIFICATIONS AND LICENSES**

2010 - Present Board Certified, American Board of General Surgery 55153  
2012 - Present Board Certified, American Board of Thoracic Surgery 7892  
2016 - Present Fellow, American College of Surgeons  
2021 - Present Fellow, American College of Cardiology

2011 - 2013	Inactive, MD, Arizona, 41213
2016 - Present	Active, Medicine, Nebraska, 27514

## GRANTS AND CONTRACT SUPPORT

**Active**

Title: The Organ Care System (OCS) Lung Thoracic Organ Perfusion (TOP) Post Approval Study (PAS) Registry - OCS Lung TOPS PAS Registry

ID Number:	
Funding Agency:	TransMedics
Project Period:	2019 - 2026
Total Dollars:	\$16,186
Direct Cost:	\$13,052
Role:	Principal Investigator

Title: Randomized Comparison of the Clinical Outcomes of Single vs. Multiple Arterial Grafts: the ROMA trial

ID Number:	
Funding Agency:	Weill Medical College of Cornell University
Project Period:	2020 - 2025
Total Dollars:	\$38,502
Direct Cost:	\$8,860
Role:	Principal Investigator

Title: A prospective, randomized , active (warfarin) controlled, parallel-arm clinical trial to determine if patients with an On-X aortic valve can be maintained safely and effectively on the factor Xa inhibitor apixaban

ID Number:	ONX1801.000-C
Funding Agency:	CryoLife, Inc.
Project Period:	2020 - 2023
Total Dollars:	\$678,597
Direct Cost:	\$538,775
Role:	Principal Investigator

**Completed**

Title: International Trial to Evaluate the Safety and Effectiveness of the Portable Organ Care System (OCS) Lung System for Recruiting, Preserving and Assessing Non-Ideal Donor Lungs for Transplantation

ID Number:	
Funding Agency:	TransMedics
Project Period:	2019 - 2021
Total Dollars:	\$22,240
Direct Cost:	\$18,087
Role:	Principal Investigator

## **NON-SPONSORED / OUTSIDE GRANTS INFORMATION**

### **Active**

Title: OCS Lung Preservation  
Funding Agency: Transmedics  
Project Period: 2021 - 2022  
Total Dollars: \$11,160  
Direct Cost: \$0  
Role: Co-Investigator ( )

Title: Patient-Specific Computational Planning Of Coronary Artery Bypass Grafting: A Novel Approach  
Funding Agency: Great Plains IDeA-CTR Pilot grant, Center for Hear  
Project Period: 2021 - 0  
Total Dollars: \$40,000  
Direct Cost: \$0  
Role: Co-Investigator ( )

Title: Use of 3D Printed Lung Models to enhance patient education on lung transplants  
Funding Agency: Ambulatory Patient Education Fund Committee, NM  
Institution: Nebraska Medicine  
Project Period: 2023 - 0  
Total Dollars: \$0  
Direct Cost: \$5,000  
Role: Principal Investigator

### **Completed**

Title: Gene and Stem Cell Therapy in Coronary Artery Bypass Graft  
Funding Agency: NIH 1R01HL128063-01  
Institution: NIH  
Project Period: 2015 - 2019  
Total Dollars: \$0  
Direct Cost: \$0  
Role: Co-Investigator ( )

## **OTHER APPOINTMENTS AND POSITIONS**

2013 - 2015 Team Education leader, Cardiac Surgery Rotation, Surgery Clerkship, UNMC,  
2014 - 2015 Course Director, Cardiothoracic Surgery Conference series, UNMC,  
2014 - 2016 Preceptor to medical student Apollo Stack, longitudinal clinical experiences (LCE) program, University of Nebraska Medical Center,

2014 - 2016	Research Mentor, to Ji Hyun Rhee, Pulmonary Fellowship research project, UNMC,
2014 - 2023	Course Director, Cardiothoracic Surgery multi-disciplinary Journal Club, UNMC,
2015 - 2015	Physician Leader, Complex ICU Clinical Effectiveness Initiative, Nebraska Medicine,
2015 - 2015	Course Faculty, 'Advances in Cardiovascular Medicine' regional conference, University of Nebraska Medical Center,
2015 - 2019	Course Director, Cardiothoracic Surgery Grand Rounds series, UNMC,
2015 - 2023	Mentor, High School Alliance, job shadowing program,
2016 - 2023	Course presenter, Cardiology Nursing Fellowship Prgm, Heart/Lung Transplantation, University of Nebraska Medical Center,
2017 - 2017	Abstract reviewer, 38th Annual Meeting, International Society for Heart and Lung Transplantation,
2017 - 2018	Member of the ISHLT task force, guidelines on the assessment and procurement of thoracic organs for transplant, ISHLT,
2018 - 2018	Course Faculty, "Advancing ECMO in our region and beyond", Regional ECMO symposium, University of Nebraska Medical Center,
2018 - 2018	Symposium Design and Chair, 38th Annual Mtg, DCD Lungs- Expanding Utilization, International Society for Heart and Lung Transplantation,
2018 - 2018	Poster discussant, 38th Annual Meeting, International Society for Heart and Lung Transplantation,
2018 - 2018	Course Faculty, UNMC ECMO and Cardiopulmonary bypass Fellow's Course, University of Nebraska Medical Center,
2018 - 2019	Research mentor for Collin McDonald, medical student, University of Nebraska Medical Center,
2018 - 2020	Member, National Lung Review Board, United Network for Organ Sharing (UNOS),
2018 - 2023	Physician Leader, Cardiac Arrest Post Sternotomy (CAPS) advanced life support quality initiative, Nebraska Medicine,
2019 - 2019	Course Faculty, Frontiers in Heart Failure Therapy, University of Nebraska Medical Center,
2019 - 2019	Symposium Design and Chair, 39th Annual Meeting, Making Them Count: Enhancing Lung Donor Utilization, ISHLT,
2019 - 2020	Committee Member, Overseeing Masters Program/Thesis of Chetaj A. Mahabir, University of Nebraska Medical Center,
2019 - 2023	Ad hoc reviewer, The International Journal of Artificial Organs,
2019 - 2023	Member,, Task force on guidelines for mechanical circulatory support, ISHLT,
2020 - 2020	Grant Reviewer, Faculty Development Grant, American Society of Transplant Surgeons,
2020 - 2020	Abstract reviewer, 41st Annual Meeting, the International Society for Heart and Lung Transplantation,
2020 - 2022	Junior Faculty Editorial Board, , Journal of Heart and Lung Transplantation,
2020 - 2023	Physician Leader, Enhanced Recovery after Cardiac Surgery (ERACS)

	initiative, Nebraska Medicine,
2020 - 2023	Course Director, Cardiac Surgery Case Conference series, University of Nebraska Medical Center,
2020 - 2023	Ad hoc reviewer, Journal of Cardiac Surgery and Clinical Transplantation,
2020 - 2023	Member, Heart and Vascular Clinical Research Office Leadership Team, University of Nebraska Medical Center,
2020 - 2023	Research mentor for Joel Boudreaux, medical student, University of Nebraska Medical Center,
2021 - Present	Ad hoc reviewer, European Heart Journal- Case Reports,
2021 - Present	Author and reviewer, Thoracic Transplant Curriculum Modules, American Society of Transplant Surgeons (ASTS),
2021 - 2021	Abstract reviewer, 42nd Annual Meeting, International Society for Heart and Lung Transplantation,
2021 - 2021	Symposium Design and Chair, 41st Annual Meeting, for "Eye Ball Test! I Know My Patient is Frail: Now What?", International Society for Heart and Lung Transplantation,
2021 - 2023	Research mentor for Noah Free, medical student, University of Nebraska Medical Center,
2022 - Present	Research mentor for Ananya Mitra, University of Nebraska Medical Center,
2022 - Present	Expert in Lung Transplantation, International Society for Heart and Lung Transplantation,
2022 - Present	Editorial board, , Journal of Heart and Lung Transplantation (JHLT),
2022 - Present	Ad hoc reviewer, American Journal of Transplantation and Transplantation,
2022 - 2022	Abstract reviewer, 43rd Annual Meeting, International Society for Heart and Lung Transplantation,
2022 - 2022	Thesis Supervisory Committee Member, Delia Omar, University of Nebraska Medical Center,
2022 - 2022	Chair, Symposium-Take a Chance With Me: Extended Criteria., 42nd Annual Meeting and Scientific Sessions, the International Society for Heart and Lung Transplantation,
2022 - 2022	Mentor for Srineil Vuthaluru, general surgery resident, Department of Surgery Mentoring Program, University of Nebraska Medical Center,
2022 - 2022	Grant Reviewer, Jon Fryer Resident Scientist Scholarship Grant, American Society of Transplant Surgeons (ASTS),
2023 - Present	Project sponsor, OPTN DCD Lung transplant Collaborative, University of Nebraska Medical Center,
2023 - Present	Ad hoc reviewer, JTCVS Techniques,
2023 - 2023	Abstract reviewer, 44th annual meeting, International Society for Heart and Lung Transplantation,
2023 - 2023	Design and Moderator for the AATS/ASTS Joint Webinar on Lung, AATS/ASTS,
2023 - 2023	Grant Reviewer, Focused Program FY23, Cardiovascular Health (FP-CVH) for the DOD CDMRP,
2023 - 2023	Course Faculty, 2023 Master Class in Lung transplantation, International

Society for Heart and Lung Transplantation,

## CONSULTING POSITIONS

2015 - 2015	Consultant, for Liposomal Bupivacaine in Cardiothoracic Surgery, Pacira Pharmaceuticals
2018 - 2018	Consultant, future aortic innovations, Cryolife/Jotec
2018 - 2018	Consultant, HeartMate future surgical innovations, Abbott
2021 - 2021	Consultant, use of the Organ Care System in Lung Transplantation, Transmedics, Inc

## HONORS AND AWARDS

### International

2012	Traveling Scholarship Award to Melbourne, Australia, ISHLT
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### Local

1995-2000	Bayer scholarship and Begum Shafiqua Zia-ul-Haq scholarship, Aga Khan University Medical College, Karachi, Pakistan
2019	Inaugural Resident Education award, Division of CT Surg, UNMC
2020	Research Innovation Awards, UNeMed, UNMC
2021	Provider of the Quarter, Cardiac Care Unit-Post Cardiac Surg, UNMC
2021	Omaha Magazine Premier Doctors
2021	Research Innovation Awards, UNeMed, University of Nebraska Medical Center
2022	Omaha Magazine Premier Doctors, Omaha Magazine

## MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

Present	American College of Surgeons
Present	International Society of Heart and Lung Transplantation
Present	Society of Thoracic Surgeons
Present	Parkland Surgical Society
Present	American Society of Transplant Surgeons
Present	European Association for Cardiothoracic Surgery
Present	American College of Cardiology
Present	Western Thoracic Surgical Association
Present	American Association for Thoracic Surgery
Present	Society of University Surgeons

## COMMITTEE ASSIGNMENTS

2013 - Present	Heart transplant and Mechanical Circulatory Support Patient Selection Committee, Chair: Brian Lowes, , Nebraska Medicine
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2013 - Present	Cardiac Surgery Quality Committee, Chair: Michael Moulton, Nebraska Medicine
2015 - Present	Program Evaluation Committee (PEC), Thoracic Surgery Residency ProgramChair: Rudy Lackner, University of Nebraska Medical Center
2015 - Present	Clinical Competencies Committee (CCC), Thoracic Surgery Residency ProgramChair: Rudy Lackner, University of Nebraska Medical Center
2016 - Present	ECMO (ExtraCorporeal Membrane Oxygenation) Steering Committee, Chair: Anthony Castleberry, Shaun Thompson, Nebraska Medicine
2016 - 2017	Cardiothoracic Surgery Research Committee, (Committee replaced with Disease-Focused teams)Chair: Michael Moulton, University of Nebraska Medical Center
2018 - Present	Interventional/Structural Heart Disease-Focused Team, Chair: Andrew Goldsweig, University of Nebraska Medical Center
2018 - Present	Vascular Disease Disease-Focused Team, Chair: Jason Johanning, University of Nebraska Medical Center
2018 - Present	Heart and Vascular Advisory CouncilChair: Michael Moulton, Daniel Anderson, Nebraska Medicine
2021 - Present	Thoracic Education Cooperative Group (TECoG), Chair: Ikenna Okereke, Henry Ford Health System, Thoracic Surgery Directors Association (TSDA)

#### **Local/Regional**

2010 - 2011	University of Arizona Medical Center
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#### **Medical Staff**

2023 - Present	Surgical Skills Committee, Chair: Mark Hobeika, Houston Methodist, Weill Cornell Medical College, American Society of Transplant Surgeons (ASTS)
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#### **National/International**

2018 - 2020	National Lung review Board, United Network for Organ Sharing (UNOS)
2020 - Present	Thoracic Organ Transplantation Committee, Chair: Bryan Whitson, Ohio State University, American Society of Transplant Surgeons (ASTS)
2021 - Present	Chair: Ikenna Okereke, Henry Ford Health System, Thoracic Surgery Directors Association (TSDA), Thoracic Education Cooperative Group (TECoG)
2022 - 2023	Vice Chair Elect, Thoracic Organ Transplantation Committee, American Society of Transplant Surgeons (ASTS), Chair: Bryan Whitson, Ohio State University
2023 - Present	Vice Chair, Thoracic Organ Transplantation Committee, Chair: Matthew Hartwig, Duke University, American Society of Transplant Surgeons (ASTS)
2023 - Present	Surgical Skills Committee, Chair: Mark Hobeika, Houston Methodist, Weill Cornell Medical College, American Society of Transplant Surgeons (ASTS), American Society of Transplant Surgeons (ASTS)

## **UNMC**

2015 - 2017	Patient Outcomes Committee, Chair: Micah Beachy, Nebraska Medicine
2015 - 2020	Surgical Services Operations Committee (SSOC), Chair: Matthew Mormino, Nebraska Medicine
2018 - Present	Aortic Steering Committee, Chair: Aleem Siddique, Nebraska Medicine
2018 - Present	Structural Heart Quality and Mortality CommitteeChair: Michael Moulton, Gregory Pavlides, Nebraska Medicine
2021 - Present	Department of Surgery Wellness Steering Committee, Chair: David W. Mercer, University of Nebraska Medical Center

## **PRESENTATIONS**

1. Siddique A; Hinnebusch BF; Abedrapo MA; Zhang WY; Malo MS; Hodin RA. Convergence of the Thyroid Hormone and Gut-Enriched Kruppel-Like Factor Pathways in the Context of Enterocyte Differentiation. American College of Surgeons (ACS) 88th Annual Clinical Congress; 2002 Oct 6-11. San Francisco, CA
2. Siddique A; Malo MS; Zhang WY; Abedrapo MA; Henderson JW; Chen A; Mozumder M; Hodin RA. Multiple Potential Molecular Targets for Modulating Thyroid Hormone Action. American College of Surgeons (ACS) 89th Annual Clinical Congress; 2003 Jan. Chicago, IL
3. Siddique A; Clagett GP; Barnett CC. Retroperitoneal Paraganglioma Requiring Partial Vena Caval Resection. North Texas American College of Surgeons (ACS) Annual Meeting; 2008 Feb
4. Siddique A; Zogakis T. Retrospective Review of Rhabdomyosarcoma Presenting in Adult Patients and Report of a Rare Variant with Metastasis to the Soft Tissue. University of Texas Southwestern Medical Center Surgery Research Forum; 2008 June
5. Siddique A; Knoper SR; Raz Y; Coehlo-Anderson R; Wild J; Mineburg N; Daniel J; Moulton MJ. Recurrence of Bronchiolitis Obliterans may Limit Long-Term Outcomes in Lung Retransplantation. International Society for Heart and Lung Transplantation Annual Meeting; 2011 Apr 13-16. San Diego, CA
6. Bose A; Siddique A; Ozalp F; Butt T; Dark JH; Clark SC. Management of Vascular Anastomotic Complications in Lung Transplantation. European Society for Heart and Lung Transplantation Symposium; 2012 Jan 29-31. Igls, Austria
7. Yousafzai MS; Butt T; Oezalp F; Wrightson N; Nicola R; Pillay T; MacGowan G; Parry G; Siddique A; Schueler SVB. Improved Surgical Techniques of Left Ventricular Assist Device Drive Line Placement. International Society of Heart and Lung Transplantation Annual Meeting; 2012 Apr 18-21. Prague, Czech Republic
8. Butt T; Siddique A; Yousafzai MS; Ozalp F; Roysam C; OLeary, D; Wrightson N; Schuster J; MacGowan G; Pillary T; Schueler SVB. Optimized RV Function Prior to LVAD Implantation-Honeymoon Period or Sustainable Success?. Society for Cardiothoracic Surgery Annual Meeting; 2012 Apr 18-20. Great Britain and Ireland, Manchester Central
9. Siddique A. Contemporary Valve Clinic, Biologic, Mechanical, Autologous vs Homologous. UNMC Cardiothoracic Surgery Grand Rounds; 2013 Dec 04. University of Nebraska Medical Center, Omaha, NE
10. Siddique A. Lung Transplantation. Nebraska Perfusion Society Annual Meeting; 2014



- Feb 01. Omaha, NE
11. Siddique A. Total Artificial Heart. The Nebraska Assembly of the Association of Surgical Technologists Annual Winter Workshop; 2014 Mar 01. Omaha, NE
  12. Siddique A. ECMO- not your mother's support any more. Grand Rounds at the Department of Surgery - University of Nebraska Medical Center; 2014 September. Omaha, NE
  13. Siddique A. On pump vs off pump CABG. Advances in Cardiovascular Medicine regional conference; 2015. Omaha, NE
  14. Trujillo KP; Melin AA; Lackner R.; Siddique A. Extracorporeal Membranous Oxygenation Following Thoracic Surgery: A Single Center Experience. Southwestern Surgical Congress; 2015 April 26. Monterey California
  15. Siddique A. Lung Transplantation- the good, the bad and the future. Grands Rounds at the Department of Anesthesiology - University of Nebraska Medical Center; 2016. Omaha, NE
  16. Siddique A. Lung Transplantation: making the transition from medical to surgical management of advanced lung disease. The Seventh: Extraordinary Innovations and Emerging Trends in Transplantation and Oncology from Nebraska Medicine conference; 2016. Omaha, NE
  17. Ryan, Timothy; Siddique A; Burdorf, Adam; Merritt HM; Um; Moulton MJ. Cost Comparison of Extracorporeal Life Support on Survivors and Non. ISHLT; 2016 April. Washington, DC
  18. Varnado, Sarah; Siddique A; Burdoff, Adam; Merritt HM; Um J; Moulton MJ. Myocarditis Treated with VA-ECMO: A Single Centers Experience. ISHLT; 2016 April. Washington, DC
  19. Ryan, Timothy; Siddique A; Burdoff, Adam; Um J; Merritt HM. Laboratory Variables Determining 30-Day Mortality in Veno-Arterial and Veno-Venous ECMO Patients. ISHLT; 2016 April. Washington, DC
  20. Siddique A; Um J; Merritt HM; Burdoff, Adam; Moulton MJ. Totally Percutaneous RVAD/ECMO Configuration Provides Versatile Support for RV Failure. ISHLT; 2016 April. Washington, DC
  21. Ryan, TR; Burdorf, Adam; Lowes BD; Um JY; Siddique A; Merritt-Genore, HM; Varnado, SL. Financial Impact of Extracorporeal Life Support on Survivors versus Non-Survivors. 36th Annual International Heart and Lung Transplantation Scientific Sessions; 2016 April 27-30. Washington DC
  22. Varnado S; Brink S; Balk J; Raichlin E; Lowes BD; Vongooru HR; Burdorf Adam; Um JY; Siddique A; Zolty R. CMV Reactivation Using Valganciclovir vs Valacyclovir in Moderate Risk Heart Transplant Recipients. 36th Annual International Heart and Lung Transplantation Scientific Sessions; 2016 April 27-30. Washington DC
  23. Varnado S; Burdorf AF; Higgins JV; Lowes BD; Zolty R; Vongooru H; Fenske BM; Siddique A; Moulton MJ; Um JY; Raichlin E. Cardiac allograft sinus tachycardia is associated with impaired exercise tolerance. American College of Cardiology's 65th Annual Scientific Sessions; 2016 April. Chicago, IL
  24. Siddique A. Lung transplantation- surgical procedure and considerations. Cardiology Nursing Fellowship: Heart/Lung Transplantation; 2016 June. Omaha, NE
  25. Siddique A; Bailey K; Rhee, J. Who Will Survive Extracorporeal Membrane Oxygenation (ECMO). CHEST 2016 Annual Meeting; 2016 October. Los Angeles, CA

26. Zolty, R; Raichlin E; Burdorf, Adam; Vongooru HR; Ryan TR; Yannone SM; Ferguson K; Siddique A; Moulton MJ; Um JY; Lowes BD. Laparoscopic Sleeve Gastrectomy in Morbidly Obese Patients with End-Stage Heart Failure and LVAD. American Heart Association Scientific Sessions 2016; 2016 November 12-16. New Orleans, LA
27. Siddique A. Lung transplantation- from 30,000 feet to the gritty. Grands Rounds at the Kansas City Pulmonary Round Table; 2017. Kansas City, MO
28. Siddique A. Lung transplantation- surgical procedure and considerations. Cardiology Nursing Fellowship: Heart/Lung Transplantation; 2017 Jan 18. Omaha, NE
29. Berkheim D; Nicholas IV TA; Moulton MJ; Strah, H.; Siddique A. Pain Pathway in Lung Transplantation is Associated with Excellent Peri-Operative Outcomes: A Case Series. International Society for Heart & Lung Transplantation; 2017 April 05. San Diego
30. Raichlin E; Selim AM; Zolty R; Burdorf AF; Siddique A; Moulton MJ; Um JY; Lowes BD. Cardiopulmonary Stress Test One Year after HTx Predicts the Development of CAV. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
31. Selim AM; Zolty R; Burdorf AF; Um JY; Siddique A; Moulton MJ; Lowes BD; Raichlin E. The Transmitral Peak Flow Velocity-Mitral Annular Diastolic Velocity Ratio (e/e') Does Not Predict Left Ventricular Filling Pressure Post Cardiac Transplant. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
32. Selim AM; Zolty R; Burdorf AF; Siddique A; Um JY; Moulton MJ; Lowes BD; Raichlin E. Higher Heart Rate is Associated with Lower Incidence of Coronary Allograft Vasculopathy Requiring Angioplasty. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
33. Merritt; Moulton MJ; Um; Markin N; Siddique A. Tension Pneumopericardium in an LVAD, Rare but Real. ISHLT; 2017 April. San Diego
34. Merritt HM; Siddique A; Um J; Moulton MJ. The Effect of Recombinant-Activated Factor VII on Patients Requiring ECMO Support. ISHLT; 2017 April. San Diego
35. Selim AM; Raichlin E; Burdorf AF; um jy; Siddique A; Moulton MJ; Lowes BD; Zolty R. Left Ventricular Assist Devices Can Reverse Pulmonary Hypertension Group 2 with Significantly Elevated Pulmonary Vascular Resistance. American Thoracic Society (ATS) 17th International Conference; 2017 May 19-24. Washington DC
36. Siddique A. Lung transplantation- surgical procedure and considerations. Cardiology Nursing Fellowship: Heart/Lung Transplantation; 2017 June 16. Omaha, NE
37. Siddique A. Lung transplantation: where are we now? what does the future hold?. The Eighth: Extraordinary Innovations and Emerging Trends in Transplantation and Oncology from Nebraska Medicine conference; 2017 July. Omaha, NE
38. Jacob Moore; Kwapnoski ZJ; Moulton MJ; Siddique A; Um JY; Merritt-Genore HL. ECMO as a Bridge TO or FROM Cardiac Transplantation. ELSO Annual Meeting; 2017 September. Baltimore, MD
39. Kwapnoski ZJ; Moore, Jacob; Moulton MJ; Um JY; Siddique A; Merritt-Genore HL. The effect of hemoglobin on ECMO outcomes. CREF; 2017 September. San Diego, CA
40. Merritt-Genore HL; Shoiab I; Smith SP; Siddique A; Um JY; Moulton MJ. Delayed Anticoagulation Initiation for ECMO Patients at High Risk of Exsanguination. Southern Thoracic Surgical Association; 2017 November. San Antonio, Texas
41. Kwapnoski ZJ; Siddique A; Um JY; Moulton MJ; Merritt-Genore HL. Nurse-Driven

- Protocol is Safe and Cost-Effective for ECMO Patients. Society of Thoracic Surgeons; 2018. Ft Lauderdale, FL
42. Luksan AS; Berkheim D; Siddique A; Um JY; Moulton MJ; Merritt-Genore HL. Time is on Your Side: A Comparison of OR Times with ECMO Survival in Post Cardiectomy Patients. ISHLT; 2018. Nice France
  43. Siddique A. Lung transplantation- surgical procedure and considerations. Cardiology Nursing Fellowship: Heart/Lung Transplantation; 2018 Jan 18. Omaha, NE
  44. Siddique A. 'ECMO'\_. Nebraska Organ Recovery Services; 2018 Jan. Omaha, NE
  45. Siddique A. Blood conservation. UNMC ECMO and Cardiopulmonary bypass course; 2018 Mar. Omaha, NE
  46. A Siddique; Moulton MJ; MERRITT-GENORE HL; HM Strah. Aortic Stenosis and the Sensitized Lung Recipient- What would you do?. 38th Annual International Heart and Lung Transplantation Scientific Sessions; 2018 April. Nice, France
  47. KL Bailey; TA Wyatt; HM Strah; DM Katafiasz; AJ Heires; A Siddique; TM Nordgren; DJ Romberger. Exosome inflammatory cytokine cargo from airway epithelial cells and mesenchymal stem cells in COPD patients and never smokers. 2018 May 21
  48. Siddique A. The ins and outs of starting a lung transplant program. The Ninth: Extraordinary Innovations and Emerging Trends in Transplantation and Oncology from Nebraska Medicine conference; 2018 July. Omaha, NE
  49. Siddique A. Lung transplantation: what's new and what's on the horizon. Creighton Pulmonary Grand Rounds; 2018 September. Omaha, NE
  50. Schwabe MJ; Brady JJ; Al Emam AA; Siddique A; Goldsweig AM. Periprocedural Anticoagulation Bridging with Fondaparinux for Mechanical Mitral Valve and Heparin Induced Thrombocytopenia. Transcatheter Cardiovascular Therapeutics (TCT) Annual Meeting; 2018 Sep. San Diego, CA
  51. Urban M; Siddique A; Merritt HM; Um JY; Moulton MJ. Outcome Analysis of Percutaneous VA ECMO as a Bridge to Durable LVAD. ELSO Annual Meeting; 2018 Sept
  52. Siddique A. VA ECMO: first 24 hours and beyond, best strategies, limb issues. ECLS Team Symposium: Advancing ECLS in Our Region and Beyond; 2018 Oct. UNMC Omaha, NE
  53. Karnatak RK; Cawcutt KA; Kalil AC; ryan t; Moulton MJ; Siddique A; um jy; sandovsky y. Does Left Ventricular Assist Device Increase the Risk for Infections Over Time? A Phenotypic Evaluation. 2019 ATS International Conference; 2019
  54. Wang JS; Merritt; A Siddique; Cawcutt KA. Infection Rate in Venous-Venous Extracorporeal Membrane Oxygenation (VV-ECMO. ID Week; 2019. Chicago, IL
  55. Urban M; Merritt-Genore HL; Siddique A; Moulton MJ; ryan t; Um JY. . Impact of Veno-Arterial Membrane Oxygenation on Outcome of 'Crash and Burn' Patients Transitioned to Durable Left Ventricular Assist Device. 39th Annual International Heart and Lung Transplantation Scientific Sessions; 2019 April. Orlando, FL
  56. Macdonald CJ; Urban M; Moulton MJ; McCain NT; Stoller DA; Zolty R; um jy; Siddique A. Recurrent Pump Thrombosis is Common after Axial Continuous Flow LVAD Exchange. 39th Annual International Heart and Lung Transplantation Scientific Sessions; 2019 April. Orlando, FL
  57. Siddique A. Lung Transplantation for End Stage Pulmonary Hypertension. Frontiers in

- Heart Failure Therapy: A Midwestern Symposium; 2019 Aug. Omaha, NE
58. Yetman AT; Zetterman AM; Danford DA; Siddique A. Correlates of thoracic Aortic Dissection in Women. ACC 2020 World Congress of Cardiology; 2020
  59. URBAN, M; Fristoe LW; ryan t; Siddique A; Castleberry A; um jy. Percutaneous Temporary Right Ventricular Mechanical Support With Double Lumen Cannula During Left Ventricular Assist Device Implantation - A Word Of Caution. 2020 ASAIO On Demand Virtual Meeting; 2020
  60. Urban M; Siddique A; Castleberry A; ryan t; um jy. Do centrifugal-flow left ventricular assist devices offer survival advantage over axial-flow devices in patients transitioned from venoarterial extracorporeal membrane oxygenation?. 2020 AATS Mechanical Support for the Heart and Lung Symposium; 2020. Houston, TX
  61. Macaraeg j; jagan n; gorantla r; Siddique A; krajicek bj. Bronchoscopic Evaluation of Hemoptysis: An Unusual Day at the Zoo. 2020 ATS International Conference; 2020 May. Philadelphia, PA
  62. Boudreaux JC; Urban M; Castleberry A; um jy; Moulton MJ; Siddique A. Impact of Individual Surgeon Volume on Outcomes Following LVAD Implantation. . International Society for Heart and Lung Transplantation (ISHLT) 41st annual meeting and scientific sessions; 2021
  63. Greni SE; Siddique A; Castleberry A; Lowes BD; um jy; Moulton MJ; Lundgren SW; Stoller DA; Urban M. Risk Factors Associated with Post Heart Transplantation Left Ventricular versus Right Ventricular Primary Graft Dysfunction. ISHLT 41st Annual Meeting and Scientific Sessions; 2021
  64. Muellner MJ; Siddique A; Castleberry A; um jy; Lowes BD; Stoller DA; Moulton MJ; Urban M. Donor Transient Myocardial Dysfunction Å Structural versus Hypoxic Brain Injury. ISHLT 41st Annual Meeting and Scientific Sessions; 2021
  65. Boudreaux JC; Urban M; um jy; thompson sl; Moulton MJ; Siddique A. Impact Of Tracheostomy In Patients Receiving VV ECMO. 2021 ASAIO Annual Conference; 2021
  66. Aron RA; iverson s; Brannan SC; A Siddique. Poster: MARC: VA ECMO AND PULMONARY EMBOLECTOMY FOR MASSIVE PULMONARY EMBOLUS. 2021
  67. Siddique A; bailey kl; Small B; guarav r; Strah HM. Mobile Ex Vivo Perfusion Of Donor Lungs Alters Early Lung Gene Expression Profiles. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022
  68. Urban M; Moody ML; Castleberry A; lowes bd; Siddique A; um jy. Impact of Donation After Circulatory Death Heart Transplantation on Waitlist Outcomes and Transplantation Activity. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022
  69. Free NW; Schissel ME; Urban M; Berkheim D; Small B; Strah HM; Siddique A. Is Pre-Lung Transplant Evaluation of Physical Performance and Frailty Correlated with Post-Transplantation Lung Function?. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022. Boston, MA
  70. Free NW; Schissel ME; Urban M; Berkheim D; Small B; Strah HM; Siddique A. Does Pre-Lung Transplant Grip Strength Correlate with Post-Transplant Lung Function in the First Year?. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022
  71. Urban M; Castleberry A; Markin NW; Chacon MM; lowes bd; Siddique A; um jy. Early Outcomes of Donation After Circulatory Death Heart Transplantation with Thoracoabdominal Normothermic Regional Perfusion. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022

72. Urban M; Castleberry A; Lowes BD; Moody ML; Fristoe LW; Siddique A; um jy. Evaluation of Safety and Effectiveness of the Paragonix\_ SherpaPak Cardiac Transport System in Donation After Circulatory Death Heart Transplantation. ISHLT 42nd Annual Meeting and Scientific Sessions; 2022
73. URBAN, M; Castleberry A; Siddique A; um jy; Merani S. Donor organ utilization and transplantation in donation after circulatory death using thoracoabdominal normothermic regional perfusion. American Transplant Congress; 2022. Boston, MA
74. Siddique A. Team Communication in Cardiac Surgery. Society of Cardiovascular Anesthesiologists 2022 Annual Meeting & Workshops; 2022 May. Palm Springs, CA
75. loor g; garcha p; huddleston s; hertz m; hartwig m; snyder l; A Siddique; et al. Impact of OCS Lung Warm Perfusion Times on Post-Transplant Survival - "Real-World" Experience from Thoracic Organ Perfusion (TOP) Registry. ISHLT 42nd Annual Meeting and Scientific Sessions; 2023
76. huddleston s; hertz m; loor g; garcha p; hartwig m; snyder l; Siddique A. Impact of National OCS Lung Procurement & Management Program on Post-Transplant Survival - Real World Data from the Thoracic Organ Perfusion (TOP) Post-Approval Registry. ISHLT 42nd Annual Meeting and Scientific Sessions; 2023
77. loor g; garcha p; huddleston s; hertz m; hartwig m; snyder l; Siddique A. First Report of the Organ Care System (OCS) Thoracic Organ Perfusion (TOP) Post-Approval Registry. ISHLT 42nd Annual Meeting and Scientific Sessions; 2023
78. A Siddique. Airway Complications. Master Class in Lung Transplantation. ISHLT Academy; 2023 Apr. Denver, CO

## PUBLICATIONS

### A. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS

1. Hinnebusch BF, Ma Q, Henderson JW, Siddique A, Archer SY, Hodin RA. Enterocyte response to ischemia is dependent on differentiation state. *J. Gastrointest. Surg.* 6 : 403-9
2. Hinnebusch BF, Henderson JW, Siddique A, Malo MS, Zhang W, Abedrapo MA, Hodin RA. Transcriptional activation of the enterocyte differentiation marker intestinal alkaline phosphatase is associated with changes in the acetylation state of histone H3 at a specific site within its promoter region in vitro. *J. Gastrointest. Surg.* 7 : 237-44; discussion 244-5. 2003
3. Siddique A, Malo MS, Ocuin LM, Hinnebusch BF, Abedrapo MA, Henderson JW, Zhang W, Mozumder M, Yang VW, Hodin RA. Convergence of the thyroid hormone and gut-enriched Krüppel-like factor pathways in the context of enterocyte differentiation. *Journal of gastrointestinal surgery : official journal of the Society for Surgery of the Alimentary Tract.* 7 : 1053-61; discussion 1061. 2003
4. Hinnebusch BF, Siddique A, Henderson JW, Malo MS, Zhang W, Athaide CP, Abedrapo MA, Chen X, Yang VW, Hodin RA. Enterocyte differentiation marker intestinal alkaline phosphatase is a target gene of the gut-enriched Kruppel-like factor. *Am. J. Physiol. Gastrointest. Liver Physiol.* 286 : G23-30. 2004
5. Malo MS, Zhang W, Alkhoury F, Pushpakaran P, Abedrapo MA, Mozumder M, Fleming E, Siddique A, Henderson JW, Hodin RA. Thyroid hormone positively regulates the

- enterocyte differentiation marker intestinal alkaline phosphatase gene via an atypical response element. *Mol. Endocrinol.* 18 : 1941-62. 2004
6. Grikscheit TC, Siddique A, Ochoa ER, Srinivasan A, Alsberg E, Hodin RA, Vacanti JP. Tissue-engineered small intestine improves recovery after massive small bowel resection. *Ann. Surg.* 240 : 748-54. 2004
  7. Siddique A; Wrightson N; Macgowan GA; Schueler S. Device Thrombosis in the HeartWare left ventricular assist device. *Annals of Thoracic Surgery.* 2013 Apr; Vol. 95 (4): p. 1508
  8. Sajjad M; Butt T; Oezalp F; Siddique A; Wrightson N; Crawford D; Pillary T; Schueler S. An alternative approach to explantation and exchange of the HeartWare left ventricular assist device. *European Journal Cardiothoracic Surgery.* 2013 Jun; Vol. 43 (6): p. 1247-50
  9. Siddique A; Bose AK; Ozalp F; Butt TA; Muse H; Morley KE; Dark JH; Parry G; Clark SC. Vascular anastomotic complications in lung transplantation: a single institution's experience. *Interact Cardiovascular Thoracic Surgery.* 2013 Oct; Vol. 17 (4): p. 625-31
  10. oniscu gc; Siddique A; dark j. Dual temperature multi-organ recovery from donors after circulatory death. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons.* 2014; 1600-6135
  11. Raichlin E; Baibhav B; Lowes BD; Zolty R; Lyden ER; Vongooru HR; Siddique A; Moulton MJ; Um JY. Outcomes in Patients with Severe Preexisting Renal Dysfunction after Continuous-Flow Left Ventricular Assist Device Implementation. *ASAIO journal (American Society for Artificial Internal Organs : 1992).* 2016 May; p. 261-267. 1058-2916
  12. Merritt; Siddique A; Moulton MJ; Markin NW. Rare but Real: Tension Pneumopericardium in a Patient with a Left Ventricular Assist Device. *Cardiovascular Imaging Case Reports.* 2017 Dec; Elsevier. Vol. 1 (6): p. 230-232. 2468-6441
  13. Baibhav B, Gedela M, Moulton M, Pavlides G, Pompili V, Rab T, Dangas G, Bhatt DL, Siddique A, Chatzizisis YS. Role of Invasive Functional Assessment in Surgical Revascularization of Coronary Artery Disease. *Circulation.* 137 : 1731-1739. 2018
  14. Agrawal DK, Siddique A. Commentary: Rejuvenation of 'broken heart' with bioengineered gel. *The Journal of thoracic and cardiovascular surgery.* 157 : 1491-1493. 2018
  15. Urban M; Siddique A; Merritt-Genore HL; um jy. What are the results of Venoarterial Extracorporeal Membrane Oxygenation Bridging to Heart Transplantation?. *Interactive cardiovascular and thoracic surgery.* 2019; p. 632-634. 1569-9293
  16. Urban M; Siddique A; moulton mm; Castleberry A; Merritt-Genore H; Ryan T; Lowes BD; Um JY. Can we expect improvements in outcomes with centrifugal vs axial flow left ventricular assist devices in patients transitioned from extracorporeal life support?. *Journal of cardiac surgery.* 2019; p. 1228-1234. 0886-0440
  17. mullane R; fristoe L; Markin NW; Brakke TR; Merritt-Genore HM; Siddique A; Miles CD; Plumb TJ. Zero balance ultrafiltration using dialysate during nationwide bicarbonate shortage: a retrospective analysis. *Journal of cardiothoracic surgery.* 2019
  18. Rosenberg JH, Werner JH, Plitt GD, Noble VV, Spring JT, Stephens BA, Siddique A, Merritt-Genore HL, Moulton MJ, Agrawal DK. Immunopathogenesis and biomarkers of recurrent atrial fibrillation following ablation therapy in patients with preexisting atrial

- fibrillation. *Expert Rev Cardiovasc Ther.* 17 : 193-207. 2019
19. Urban M, Um J, Moulton M, Stoller D, Zolty R, Lowes B, Macdonald C, McCain N, Siddique A. Recurrent pump thrombosis is common after axial continuous-flow left ventricular assist device exchange. *The International journal of artificial organs.* 43 : 109-118. 2019
20. urban m; Um JY; Stoller DA; Zolty R; Lowes BD; Macdonald C; McCain N; Siddique A. Recurrent pump thrombosis is common after axial continuous-flow left ventricular assist device exchange. *The International journal of artificial organs.* 2020; p. 109-118. 0391-3988
21. Copeland H; Hayanga JWA; Neyrinck A; MacDonald P; Dellgren G; Bertolotti A; Khuu T; Burrows F; Copeland JG; Gooch D; Hackmann A; Hormuth D; Kirk C; Linacre V; Lyster H; Marasco S; McGiffin D; Nair P; Rahmel A; Sasevich M; Schweiger M; Siddique A; Snyder TJ; Mulligan M. Donor heart and lung procurement: A consensus statement. *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation.* 2020; p. 501-517. 1053-2498
22. Urban M; lundgren SW; Siddique A; Ryan TR; Lowes BD; Stoller DA; UM JY. Impact of temporary mechanical circulatory support for early graft failure on post-heart transplantation outcomes. *Clinical transplantation.* 2020; 0902-0063
23. Copeland H, Hayanga JWA, Neyrinck A, MacDonald P, Dellgren G, Bertolotti A, Khuu T, Burrows F, Copeland JG, Gooch D, Hackmann A, Hormuth D, Kirk C, Linacre V, Lyster H, Marasco S, McGiffin D, Nair P, Rahmel A, Sasevich M, Schweiger M, Siddique A, Snyder TJ, Stansfield W, Tsui S, Orr Y, Uber P, Venkateswaran R, Kukreja J, Mulligan M. Donor heart and lung procurement: A consensus statement. *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation.* 39 : 501-517. 2020
24. Urban M, Lundgren SW, Siddique A, Ryan TR, Lowes BD, Stoller DA, Um JY. Impact of temporary mechanical circulatory support for early graft failure on post-heart transplantation outcomes. *Clinical transplantation.* 34 : e14060. 2020
25. Huang, Yapei; Xie, Yan; Abel PW; Wei, Peng; Plowman, Jocelyn; Toews ML; Strah HM; Siddique A; Bailey KL; Tu, Yaping. TGF- $\beta$ 1-induced miR-424 promotes pulmonary myfibroblast differentiation by targeting Slit2 protein expression. *Biochemical pharmacology.* 2020 Oct; Vol. 180 0006-2952
26. Boudreaux JC; URBAN, M; Berkheim DB; Moulton MJ; Small BL; Strah HM; Siddique A. Combination plate and band fixation for primary closure in bilateral lung transplantation. *Journal of cardiac surgery.* 2021; Vol. 36 (9) 0886-0440
27. Thankam FG; Ayoub JG; Ahmed MMR; Siddique A; Sanchez TC; Peralta RA; Pennington TJ; Agrawal DK. Association of hypoxia and mitochondrial damage associated molecular patterns in the pathogenesis of vein graft failure: a pilot study. *Translational research : the journal of laboratory and clinical medicine.* 2021 Mar; p. 38-52. 1931-5244
28. Chen S, Carlson MA, Li X, Siddique A, Zhu W, Xie J. Minimally Invasive Delivery of 3D Shape Recoverable Constructs with Ordered Structures for Tissue Repair. *ACS biomaterials science & engineering.* 7 : 2204-2211. 2021
29. chen S; Carlson MA; Li X; Siddique A; Zhu W; xie J. Minimally Invasive Delivery of 3D Shape Recoverable Constructs with Ordered Structures for Tissue Repair. *ACS Biomaterials Science & Engineering.* 2021 Jun; p. 2204-2211

30. Boudreaux JC, Urban M, Berkheim DB, Moulton MJ, Small BL, Strah HM, Siddique A. Combination plate and band fixation for primary closure in bilateral lung transplantation. *Journal of cardiac surgery*. 36 : 3085-3091. 2021
31. Urban M; Castleberry A; Duncan KF; Markin NW; Chacon MM; Siddique A; Merani S; Robertson R; Fristoe L; Um JY; Um JY. Thoracoabdominal Normothermic Perfusion in Donation after Circulatory Death. *The Annals of thoracic surgery*. 2021 Oct; 0003-4975
32. Radwan MM; Siddique A; Thankam FG; Kouassi KT; Agrawal DK. Translational model of vein graft failure following coronary artery bypass graft in atherosclerotic microswine. *General thoracic and cardiovascular surgery*. 2021 Oct; 1863-6705
33. Urban M, Castleberry AW, Duncan KF, Markin NW, Chacon MM, Siddique A, Merani S, Robertson R, Fristoe L, Um JY. Thoracoabdominal Normothermic Perfusion in Donation After Circulatory Death. *The Annals of thoracic surgery*. 113 : e473-e476. 2021
34. Radwan MM, Siddique A, Thankam FG, Kouassi KT, Agrawal DK. Translational model of vein graft failure following coronary artery bypass graft in atherosclerotic microswine. *General thoracic and cardiovascular surgery*. 70 : 445-454. 2021
35. Rohr JM, Strah H, Berkheim D, Siddique A, Radio SJ, Swanson BJ. Pulmonary Hypertensive Changes Secondary to COVID-19 Pneumonia in a Chronically SARS-CoV-2-Infected Bilateral Lung Explant. *International journal of surgical pathology*. 30 : 443-447. 2021
36. Atti V; Narayanan MA; Patel B; Balla S; Siddique A; Lundgren S; Velagapudi P. . A Comprehensive Review of Mechanical Circulatory Support Devices. *Heart International*. 2022; Vol. 16 (1): p. 37-48
37. Siddique A. Is it time for an Aortic Team?. *The Annals of thoracic surgery*. 2022; 0003-4975
38. Free N; Urban M; Lundgren S; Siddique A. Transapical Ischemic Ventricular Septal Defect Repair with Simultaneous Centrifugal Left Ventricular Assist Device Placement: A Case Report. *International Journal of Surgery Case Reports*. 2022
39. Boudreaux JC; Urban M; Castleberry A; Um JY; Moulton MM; Siddique A. Does individual surgeon volume impact outcomes following LVAD implantation. *Journal of cardiac surgery*. 2022; 0886-0440
40. urban M; castleberry A; Markin N; Chacon M; Strah HM; Um JY; Berkheim D; Merani S; Siddique A. Successful lung transplantation with graft recovered after thoracoabdominal normothermic perfusion from donor after circulatory death. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*. 2022 Jan; p. 294-298. 1600-6135
41. Thankam FG; Wilson VED; Radwan MM; Siddique A; Agrawal D. Involvement of ischemia-driven 5-lipoxygenase-resolvin-E1-chemokine like receptor-1 axis in the resolution of post-coronary artery bypass graft inflammation in coronary arteries. *Molecular biology reports*. 2022 Jan; 0301-4851
42. Urban M, Castleberry AW, Markin NW, Chacon MM, Strah HM, Um JY, Berkheim D, Merani S, Siddique A. Successful lung transplantation with graft recovered after thoracoabdominal normothermic perfusion from donor after circulatory death. *American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons*. 22 : 294-298. 2022
43. Wang J, Christensen C, Siddique A, Merritt H, Cawcutt K. Characteristics of venous-venous extracorporeal membrane oxygenation related bloodstream infections.



- Journal of cardiac surgery. 37 : 1431-1434. 2022
44. Urban M, Bishawi M, Castleberry AW, Markin NW, Chacon MM, Um JY, Siddique A. Novel Use of Mobile Ex-Vivo Lung Perfusion in Donation After Circulatory Death Lung Transplantation. *Progress in transplantation* (Aliso Viejo, Calif.). 32 : 190-191. 2022
  45. Siddique A. Is It Time for an Aortic Team?. *The Annals of thoracic surgery*. 115 : 548-549. 2022
  46. Free N, Urban M, Lundgren S, Siddique A. Transapical ischemic ventricular septal defect repair with simultaneous centrifugal left ventricular assist device placement: A case report. *International journal of surgery case reports*. 94 : 107035. 2022
  47. Rohr JM; Strah H; Berkheim D; Siddique A; Radio S; Swanson B. Pulmonary Hypertensive Changes Secondary to COVID-19 Pneumonia in a Chronically SARS-CoV-2-Infected Bilateral Lung Explant. *International journal of surgical pathology*. 2022 Jun; p. 443-447. 1066-8969
  48. Urban M; Bishawi M; Castleberry A; Markin NW; Chacon MM; Um JY; Siddique A. Novel Use of Mobile Ex-Vivo Lung Perfusion in Donation After Circulatory Death Lung Transplantation. *Progress in transplantation* (Aliso Viejo, Calif.). 2022 Jun; p. 190-191. 1526-9248
  49. Siddique A, Urban M, Strah H, Herber K, Morrow L, Loor G, Van Raemdonck D, Dark J, Snell G. Controlled DCD lung transplantation: Circumventing imagined and real barriers-time for an international taskforce?. *The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation*. 41 : 1198-1203. 2022
  50. Boudreaux JC, Urban M, Castleberry AW, Um JY, Moulton MJ, Siddique A. In a large-volume multidisciplinary setting individual surgeon volume does not impact LVAD outcomes. *Journal of cardiac surgery*. 37 : 3290-3299. 2022
  51. Wang J; Christensen C; Siddique A; Merritt HM; Cawcutt K. Characteristics of venous-venous extracorporeal membrane oxygenation related bloodstream infections. *Journal of cardiac surgery*. 2022 Sep; Vol. 37 (5): p. 1431-1434. 0886-0440
  52. Brown KN; Gronbeck K; Azmeen A; Siddique A; Zolty R; Sullivan JN. 1,1-Difluoroethane Hydrocarbon Cardiomyopathy. *JACC: Case Reports*. 2022 Dec
  53. Boudreaux J; Urban M; Berkheim D; Small B; Strah H; Siddique A. A National Resource Sharing Program is Feasible Even in Challenging Lung Recoveries. *Annals of Thoracic Surgery Short Reports*. 2023
  54. Urban M, Moody M, Lyden E, Kinen L, Castleberry AW, Siddique A, Lowes BD, Stoller DA, Lungren SW, Um JY. Impact of donation after circulatory death heart transplantation on waitlist outcomes and transplantation activity. *Clinical transplantation*. 37 : e14942. 2023
  55. WU W; Panagopoulos A; Vasa CH; Sharzehee M; Zhao S; Samant S; Oguz UM; Khan B; Naser A; Harmouch KM; Kassab GS; Siddique A; Chatzizisis YS. Patient-specific computational simulation of coronary artery bypass grafting. *PLoS ONE*. 2023 Mar; Vol. 18 (3)
  56. Muralidharan A; Bauer CD; Katafiasz DM; Strah H; Siddique A; Reid SP; Bailey KL; Wyatt TA. Synergistic Detrimental Effects of Cigarette Smoke, Alcohol, and SARS-CoV-2 in COPD Bronchial Epithelial Cells. *Pathogens*. 2023 Mar; Vol. 12 (3)
  57. Siddique A; Parekh K; Huddleston SJ; Shults A; Locke JE; Keshavamurthy S; Schwartz G; Hartwig MG; Whitson BA. A Call to Action in Thoracic Transplant Surgical Training.

- The Journal of heart transplantation. 2023 Mar; 0887-2570
58. Boudreaux JC, Urban M, Thompson SL, Castleberry AW, Moulton MJ, Siddique A. Does Tracheostomy Improve Outcomes in Those Receiving Venovenous Extracorporeal Membrane Oxygenation?. ASAIO journal (American Society for Artificial Internal Organs : 1992). 69 : e240-e247. 2023
  59. Urban M; Moody M; Lyden E; Kinen L; Castleberry A; Siddique A; Lowes BD; Stoller D; Lundgren SW; Um JY. Impact of donation after circulatory death heart transplantation on waitlist outcomes and transplantation activity. Clinical transplantation. 2023 May; Vol. 37 (5) 0902-0063
  60. Siddique A; Castleberry A; Thompson J; Et al. Should a Multidisciplinary Aortic Team Be Considered Standard in Cardiovascular Medicine?. JACC: Advances. 2023 May; Vol. 2 (3)
  61. Saeed D; Siddique A; D'Alessandro D; et al. The 2023 International Society for Heart and Lung Transplantation Guidelines for Mechanical Circulatory Support: A 10- Year Update. The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation. 2023 May; 1053-2498
  62. Mitra A; Siddique A. Tricuspid regurgitation in the setting of LVAD support. Frontiers in Cardiovascular Medicine. 2023 May
  63. Saeed D, Feldman D, Banayosy AE, Birks E, Blume E, Cowger J, Hayward C, Jorde U, Kremer J, MacGowan G, Maltais S, Maybaum S, Mehra M, Shah KB, Mohacsi P, Schweiger M, Schroeder SE, Shah P, Slepian M, Tops LF, Alvarez P, Arabia F, Aslam S, Benson-Louis L, Birati E, Buchholz HW, Cedars A, Christensen D, Ciarka A, Coglianese E, Cogswell R, Cook J, Copeland J, Costello JG, Drakos SG, Eghtesady P, Elliot T, Estep JD, Eulert-Grehn JJ, Fabrizio R, Garbade J, Gelow J, Guglin M, Hernandez-Montfort J, Horstmanshof D. The 2023 International Society for Heart and Lung Transplantation Guidelines for Mechanical Circulatory Support: A 10- Year Update. The Journal of heart and lung transplantation : the official publication of the International Society for Heart Transplantation. 42 : e1-e222. 2023
  64. Mitra A, Siddique A. Tricuspid regurgitation in the setting of LVAD support. Frontiers in cardiovascular medicine. 10 : 1090150. 2023
  65. Boudreaux JC; Urban M; Thompson SL; Castleberry AW; Moulton MJ; Siddique A. Does Tracheostomy Improve Outcomes in Those Receiving Venovenous Extracorporeal Membrane Oxygenation?. ASAIO journal (American Society for Artificial Internal Organs : 1992). 2023 Jun; Vol. 69 (6) 1058-2916
  66. Urban M, Castleberry AW, Siddique A, Lowes BD, Stoller DA, Lundgren SW, Um JY. Utilization of Paragonix Sherpapak Cardiac Transport System for the Preservation of Donor Hearts After Circulatory Death. Transplantation proceedings. 55 : 1997-2002. 2023
  67. Mitra A, Castleberry A, Urban M, Siddique A. Does concomitant tricuspid valve intervention at the time of left ventricular assist device placement for patients with significant tricuspid regurgitation lead to improved outcomes compared to isolated left ventricular assist device placement?. Interdisciplinary cardiovascular and thoracic surgery. 38 : 2024

## **B. ARTICLES ACCEPTED FOR PUBLICATION IN SCHOLARLY JOURNALS**

1. Urban M; Castleberry A; Siddique A; Lowes Bd; Stoller D; Lundgren S; Um J. Utilization of Paragonix SherpaPak<sup>®</sup> Cardiac Transport System for The Preservation of Donor Hearts After Circulatory Death. Transplantation proceedings. 0; 0041-1345

#### **C. ARTICLES SUBMITTED FOR PUBLICATION IN SCHOLARLY JOURNALS**

1. Raichlin E; Baibhav B; Lowes BD; Zolty R; Lyden E; Vongooru H; Siddique A; Moulton MJ; Um J. Outcomes in Patients with Severe Pre-existing Renal Dysfunction after Continuous Flow Left Ventricular Assist Device Implantation. Journal of cardiac failure. 2015; 1071-9164
2. Siddique A; Merritt-Genore HL; Um JY; O'Leary EL; Moulton MJ. Technique for Percutaneous RVAD placement. Annals of Thoracic Surgery. 2017 Sep; 1341-1098

#### **D. BOOKS PUBLISHED, IN PREPARATION, SUBMITTED OR IN PRESS**

Not Applicable

#### **E. CHAPTERS IN BOOKS**

1. Siddique A; Schueler S. Current Therapy in Thoracic and Cardiovascular Surgery. 3rd. Duke Cameron; 2013. Heart-Lung Transplantation
2. Siddique A. Heart-Lung Transplantation. 2nd. Duke Cameron; 2014. Current Therapy in Thoracic and Cardiovascular Surgery
3. Dreicer M; Mitra A; Urban M; Siddique A. Cardiopulmonary Bypass and Mechanical Support. 5th. Principles and Practice; 2023. Ex vivo Cardiac Perfusion and Preservation for Cardiac Transplantation

#### **F. BOOKS OR JOURNALS EDITED**

Not Applicable

#### **G. ABSTRACTS AND PRELIMINARY COMMUNICATIONS**

1. Siddique A; Knoper SR; Raz Y; Coehlo-Anderson R; Wild J; Mineburg N; Daniel J; Moulton MJ. Recurrence of Bronchiolitis Obliterans May Limit Long-Term Outcomes in Lung Retransplantation. The Journal of Heart and Lung Transplantation. 2011, Vol. 30
2. Yousafzai SM; Butt T; Oezalp F; Wrightson N; Robinson-Smith N; Pillay T; McGowan G; Parry G; Siddique A; Schueler S. Improved Surgical Technique of Left Ventricular Assist Device Drive Line Placement. The Journal of Heart and Lung Transplantation. 2012, Vol. 31
3. Wrightson N; Schueler S; Butt T; Robinson-Smith N; Siddique A; Oezalp F; Pillay T; McGowan G. Driveline Exit Site in Long Term LVAD's - Patient Choice or Surgeon's Decision. The Journal of Heart and Lung Transplantation. 2013, Vol. 32
4. Trujillo K; Melin AA; Lackner R; A Siddique. Extracorporeal Membranous Oxygenation Following Thoracic Surgery: A Single Center Experience. Southwestern Surgical Congress; Monterey, CA. 2015 Apr

5. Varnado S; Um JY; Vongooru H; Zolty R; Lowes BD; Huntsberry A; Burdorf A; Fenske B; Siddique A; Moulton MJ; Raichlin E. Cardiac Allograft Sinus Tachycardia Is Associated with Impaired Exercise Tolerance. *The Journal of Heart and Lung Transplantation*. 2016, Vol. 35
6. Ryan TR; Burdorf A; Lowes BD; Um JY; Siddique A; Merritt-Genore HM; Varnado SL; Moulton MJ. Financial Impact of Extracorporeal Life Support on Survivors Versus Non-Survivors. *The Journal of Heart and Lung Transplantation*. 2016, Vol. 35
7. Varnado S; Um JY; Vongooru H; Zolty R; Lowes BD; Burdorf A; Fenske B; Huntsberry A; Siddique A; Moulton M; Raichlin E. Heart Rate and Cardiac Allograft Vasculopathy in Heart Transplant Recipients. *The Journal of Heart and Lung Transplantation*. 2016, Vol. 35
8. Varnado S; Brink H; Balk E; Raichlin E; Lowes BD; Vongooru H; Burdorf A; UM JY; Moulton MJ; Siddique A; Zolty R. CMV Reactivation Using Valganciclovir vs Valacyclovir in Moderate Risk Heart Transplant Recipients. *The Journal of Heart and Lung Transplantation*. 2016, Vol. 35
9. Siddique A; Baus JE; Merritt-Genore HL; O'Leary EL; Moulton MJ. Totally Percutaneous RVAD/ECMO Configuration Provides Versatile Support for RV Failure. ISHLT; Washington, DC. *Journal of Heart and Lung Transplantation*. 2016 Apr , Vol. 35: 163
10. Ryan TR; Burdorf AF; Lowes BD; Um JY; Siddique A; Merritt-Genore HL; Moulton MJ. Financial Impact of Extracorporeal Life Support on Survivors versus NonSurvivors. ISHLT; Washington, DC. *Journal of Heart and Lung Transplantation*. 2016 Apr , Vol. 35: 269-270
11. Burdorf AF; Varnado S; Balk, Jon; Ryan TR; Raichlin E; Vongooru H; Lowes BD; Zolty R; Um JY; Merritt-Genore HL; Siddique A. Myocarditis Treated with VA ECMO: A Single Center's Experience. ISHLT; Washington, DC. *Journal of Heart and Lung Transplantation*. 2016 Apr , Vol. 35: 373-374
12. Berkheim DB; nicholas ta; Moulton MJ; Strah HM; Siddique A. Pain Pathway in Lung Transplantation is Associated with Excellent Peri-Operative Outcomes: A Case Series. International Society for Heart and Lung Transplantation Annual Scientific Sessions; San Diego, CA. *Journal of Heart and Lung Transplant*. 2017
13. Selim A; Zolty R; Burdorf A; Um JY; Siddique A; Moulton M; Lowes BD; Raichlin E. The Transmitral Peak Flow Velocity-Mitral Annular Diastolic Velocity Ratio (e/e') Does Not Predict Left Ventricular Filling Pressure Post Cardiac Transplant. *The Journal of Heart and Lung Transplantation*. 2017, Vol. 36
14. Raichlin E; Selim A; Zolty R; Burdorf A; Siddique A; Moulton MJ; Um JY; Lowes BD. Cardiopulmonary Stress Test One Year After HTx Predicts the Development of CAV. *The Journal of Heart and Lung Transplantation*. 2017, Vol. 36: S296
15. Selim A; Zolty R; Burdorf A; Siddique A; Um JY; Moulton M; Lowes BD; Raichlin E. Higher Heart Rate Is Associated with Lower Incidence of Coronary Allograft Vasculopathy Requiring Angioplasty. *The Journal of Heart and Lung Transplantation*. 2017, Vol. 36: s293-294
16. Selim A; Raichlin E; Burdorf A; Um JY; Siddique A; Moulton MJ; Lowes BD; Zolty R. Left Ventricular Assist Device Improves Type II Pulmonary Hypertension with High Pulmonary Vascular Resistance. *The Journal of Heart and Lung Transplantation*. 2017, Vol. 36: s363

17. Selim A; Raichlin E; Burdorf A; Siddique A; Moulton MJ; Um JY; Lowes BD. . Left Ventricular Assist Devices Can Reverse Pulmonary Hypertension Group 2 with Significantly Elevated Pulmonary Vascular Resistance. *Am Journal Respir Crit Care Med.* 2017, Vol. 195: a6898
18. Jacob Mooore; Kwapnoski ZJ; Moulton MJ; Um JY; Siddique A; Merritt-Genore HL. ECMO Support as Bridge TO or FROM Cardiac Transplantation. *ELSO Annual Meeting; Baltimore, MD. ASAIO.* 2017
19. Merritt HM; Um J; Siddique A; Moulton MJ. The Effect of Recombinant-Activated Factor VII on Patients Requiring ECMO Support. *ISHLT; Journal of Heart and Lung Transplantation.* 2017 Apr
20. Moore, Jacob; Kwapnoski ZJ; Um JY; Moulton MJ; Siddique A; Merritt. ECMO Support as Bridge TO or FROM Cardiac Transplantation. *ELSO Annual Meeting; ASAIO.* 2017 Sep , Vol. 63: 35
21. Luksan A; Berkheim DB; Ryan TR; Lyden E; Um JY; Siddique A; Moulton MJ; Merritt-Genore H. Time is on Your Side: A Comparison of OR Times with ECMO Survival in Post Cardiotomy Patients. *The Journal of Heart and Lung Transplantation.* 2018, Vol. 37: s471-472
22. Aggarwal S; Pavlides GS; oleary e; Siddique A; Merritt-Genore HL; Moulton MJ; Gumina RJ; Aronow HD; Goldsweig AM. Hemodynamics of Balloon-Expandable vs. Self-Expanding Transcatheter Aortic Valves. *Transcatheter Valve Therapies; Chicago, IL.* 2018 Jun
23. Asawaer M; Pavlides GS; Chatzizisis IS; oleary e; Siddique A; Merritt-Genore HL; Moulton MJ; Gumina RJ; Goldsweig AM. Patient Radiation Exposure Surrounding Transcatheter Aortic Valve Replacement. *Transcatheter Therapeutics; Sand Diego, CA.* 2018 Sep
24. Urban M; Merritt-Genore H; Siddique A; Moulton M; Ryan T; Um J. Impact of Veno-Arterial Membrane Oxygenation on Outcome of Æ Crash and BurnÆ Æ Patients Transitioned to Durable Left Ventricular Assist Device. *The Journal of Heart and Lung Transplantation.* 2019, Vol. 38: S434
25. MacDonald C; Urban M; Moulton M; McCain N; Stoller D; Zolty R; Um J; Siddique A. Recurrent Pump Thrombosis is Common after Axial Continuous Flow LVAD Exchange. *The Journal of Heart and Lung Transplantation.* 2019, Vol. 38: S424-425
26. Turner GA; Siddique A; Strah HM. Single lung re-transplantation as a treatment for pulmonary abscess after pulmonary vein thrombosis. *American Thoracic Society; Virtual. American Journal of Respiratory and Critical Care Medicine.* 2020, Vol. 201
27. Yetman A; Zetterman A; Danford DA; Siddique A. Correlates of thoracic Aortic Dissection in Women. *J Am Coll Cardiol.* 2020, Vol. 75: S2214
28. Urban M; Lundgren S; Siddique A; Lowes B; Um J. Long-Term Outcome of Heart Transplant Recipients with Acute Graft Dysfunction Requiring Temporary Mechanical Circulatory Support. *The Journal of Heart and Lung Transplantation.* 2020, Vol. 39: S292-293
29. Macaraeg J; Jagan N; Gorantla R; Siddique A; Krajicek BJ. Bronchoscopic Evaluation of Hemoptysis: An Unusual Day at the Zoo. *Am Journal Respir Crit Care Med.* 2020, Vol. 201: A3914
30. Urban M; Boudreaux J; Strah H; Small B; Berkheim D; Moulton M; Wilson F; Siddique A. Impact of Mobile Ex Vivo Lung Perfusion on Lung Transplant Finances. *The Journal*

- of Heart and Lung Transplantation. 2021, Vol. 40: S309-310
31. Greni S; Siddique A; Castleberry A; Lowes B; Um J; Moulton M; Lundgren S; Stoller D; Urban M. Risk Factors Associated with Post Heart Transplantation Left Ventricular versus Right Ventricular Primary Graft Dysfunction. The Journal of Heart and Lung Transplantation. 2021, Vol. 40: S287
  32. Muellner M; Siddique A; Castleberry A; Um J; Lowes B; Stoller D; Moulton M. Donor Transient Myocardial Dysfunction Å€\_\_ Structural versus Hypoxic Brain Injury. The Journal of Heart and Lung Transplantation. 2021, Vol. 40: S225-226
  33. Boudreaux J; Urban M; Castleberry A; Um J; Moulton MJ; Siddique A. Impact of Individual Surgeon Volume on Outcomes Following LVAD Implantation. The Journal of Heart and Lung Transplantation. 2021, Vol. 40: S427
  34. Urban M; Moody M; Castleberry A; Lowes B; Siddique A; Um J. . Impact of Donation after Circulatory Death Heart Transplantation on Waitlist Outcomes and Transplantation Activity. The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S47
  35. Urban M; Castleberry A; Lowes B; Moody M; Fristoe L; Siddique A; Um J. . Evaluation of the Safety and Effectiveness of the Paragonix SherpaPak Cardiac Transport System in Donation After Circulatory Death Heart Transplantation (clinicaltrials.gov Identifier: Nct05038943). The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S476
  36. Free N; Schissel M; Urban M; Berkheim D; Small B; Strah H; Siddique A. Is Pre-Lung Transplant Evaluation of Physical Performance and Frailty Correlated with Post-Transplantation Lung Function?. The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S373
  37. Free N; Schissel M; Urban M; Berkheim D; Small B; Strah H; Siddique A. Does Pre-Lung Transplant Grip Strength Correlate with Post-Transplant Lung Function in the First Years?. The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S373
  38. Urban M; Castleberry A; Markin N; Chacon M; Lowes B; Siddique A; Um J. Early Outcomes of Donation After Circulatory Death Heart Transplantation with Thoracoabdominal Normothermic Regional Perfusion. The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S72-S73
  39. Siddique A; Bailey KL; Small B; Gaurav R; Strah H. Mobile Ex Vivo Perfusion of Donor Lungs Alters Early Lung Gene Expression Profiles. The Journal of Heart and Lung Transplantation. 2022, Vol. 41: S289
  40. Loor G; Garcha P; Huddleston S; Hertz M; Hartwig M; Snyder L; Siddique A; et al. Impact of OCS Lung Warm Perfusion Times on Post-Transplant Survival - "Real-World" Experience from Thoracic Organ Perfusion (TOP) Registry. The Journal of Heart and Lung Transplantation. 2023, Vol. 42: S390-S391
  41. Huddleston S; Hertz M; Loor G; Garcha P; Hartwig M; Snyder L; Siddique A; et al. Impact of National OCS Lung Procurement & Management Program on Post-Transplant Survival - Real World Data from the Thoracic Organ Perfusion (TOP) Post-Approval Registry. The Journal of Heart and Lung Transplantation. 2023, Vol. 42: S390
  42. Loor G; Garcha P; Huddleston S; Hertz M; Hartwig M; Snyder L; Siddique A; et al. First Report of the Organ Care System (OCS) Thoracic Organ Perfusion (TOP) Post-Approval Registry. The Journal of Heart and Lung Transplantation. 2023, Vol. 42: S20-S21

## **H. PUBLISHED AUDIOVISUAL OR COMPUTER-BASED EDUCATIONAL MATERIALS AND COMPUTER SOFTWARE**

Not Applicable

## **I. PUBLISHED CONTINUING EDUCATION MATERIALS**

Not Applicable

## **J. EDITORIALS**

Not Applicable

## **K. CONFERENCE PROCEEDING**

Not Applicable

## **COMMUNITY SERVICE**

2023 - 2023	Volunteer, global cardiac surgery opportunity in Gaza, Palestine as part of a surgical mission, Palestine Children's Relief Fund (PCRF)
2023 - 2023	Outreach/Education, Stormont Vail Hospital, Topeka, KS for the lung transplant program, Stormont Vail Hospital
2023 - 2023	Outreach/Education, Outreach/education to University of Kansas Health System St Francis Campus, Topeka, KS for the lung transplant program, University of Kansas Health System St Francis Campus
2023 - 2023	Outreach/Education, Mosaic Life Care, St Joseph, MO for the lung transplant program, Mosaic Life Care
2023 - 2023	Outreach/Education, Outreach/education to Nebraska Pulmonary Specialties, Lincoln, NE for the lung transplant program, Nebraska Pulmonary Specialties
2022 - 2022	Outreach/Education, Outreach/education to Boone County Health Center, Albion, NE for the aortic program, Boone County Health Center
2022 - 2022	Outreach/education, Outreach/education to MercyOne Des Moines Medical Center, Des Moines, IA for the lung transplant program, MercyOne Des Moines Medical Center
2022 - 2022	Outreach/education, Outreach/education to Shenandoah Medical Center, Shenandoah, NE for the aortic program, Shenandoah Medical Center
2022 - 2022	Outreach/education, Outreach/education to Unity Point, Sioux City Emergency Department, IA for the aortic program, Unity Point, Sioux City Emergency Department
2022 - 2022	Outreach/education, Outreach/education to Columbus Community Hospital, Columbus, NE for the aortic program, Columbus Community Hospital
2022 - 2022	Outreach, Outreach to Broadlawns Medical Center, Des Moines, IA for the lung transplant program, Broadlawns Medical Center
2021 - 2021	Outreach/education, Outreach/education to Thayer County Health Services, Hebron, NE for the aortic program, Thayer County Health

	Services
2021 - 2021	Outreach/education, Outreach/education to University of Kansas Health System Topeka- St. Francis Campus, KS for the lung transplant program, University of Kansas Health System Topeka
2021 - 2021	Outreach/education, Outreach/education to Bellevue Medical Center, Bellevue, NE for the aortic program, Bellevue Medical Center
2021 - 2021	Outreach/education, Outreach/education to Brentwood Clinic, La Vista, NE for the aortic program, Brentwood Clinic
2020 - 2020	Outreach/education, Outreach/education to Eagle Run Clinic, Omaha, NE for the aortic program, Eagle Run Clinic
2020 - 2020	Outreach/education, Outreach/education to St Luke's Pulmonary Specialists, Kansas City, MO for the lung transplant program, St Luke's Pulmonary Specialists
2020 - 2020	Outreach/education, Outreach/education to DOC Family Medicine Department, Omaha, NE for the aortic program, DOC Family Medicine Department
2020 - 2020	Outreach/education, Outreach/education to Faith Regional Health Services, Norfolk, NE for the aortic program, Faith Regional Health Services
2020 - 2020	Outreach/education, Outreach/education to Iowa Clinic, Des Moines, IA for the lung transplant program, Iowa Clinic
2020 - 2020	Outreach/education, Outreach/education to the Nebraska Medical Center Emergency Department for the aortic program, Nebraska Medical Center Emergency Department
2020 - 2020	Outreach/education, Outreach/education to University of Kansas Health System Topeka- St. Francis Campus, KS for the lung transplant program, University of Kansas Health System
2020 - 2020	Outreach/education, Outreach/education to Nebraska Pulmonary Specialties, Lincoln, NE for the lung transplant program, Nebraska Pulmonary Specialties
2018 - 2018	Outreach/education, Outreach/education to Methodist Pulmonary Physicians, Omaha, NE for the lung transplant program, Methodist Pulmonary Physicians
2017 - 2017	Outreach/education, Outreach/education to Great Plains Health, North Platte, NE for the cardiac surgery program, Great Plains Health
2017 - 2017	Educational community service, Nebraska Big Red Alphas group (alpha-1 antitrypsin deficiency) to discuss lung transplantation, Nebraska Big Red Alphas
2016 - 2016	Outreach/education, Outreach/education to Nebraska Pulmonary Specialties, Lincoln, NE for the lung transplant program, Nebraska Pulmonary Specialties
2016 - 2016	Outreach/education, Outreach/education to Methodist Physicians Clinic Heart Consultants, Omaha, NE for the cardiac surgery program, Methodist Physicians Clinic Heart Consultants
2015 - 2015	Outreach/education, Outreach/education to Cardiovascular Associates in Sioux City, IA for the cardiac surgery program, Cardiovascular Associates



2012 - 2012

Volunteer, Volunteered in Ethiopia for 1 month, Congenital Cardiac Surgery, Cardiac Centre