

# Nicholas R. Teman, MD

## Curriculum Vitae

### **CONTACT**

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### **EDUCATION**

2004-2008    **Keck School of Medicine**    Los Angeles, CA  
**University of Southern California**  
Doctor of Medicine

1999-2003    **University of Florida**    Gainesville, FL  
BS Biochemistry (High Honors), BA English (Honors)

### **SURGICAL TRAINING**

2015-2017    **Thoracic Surgery Residency**  
Chief Resident 2016-2017  
University of Virginia Health System  
Charlottesville, Virginia

2012-2013    **Surgical Critical Care Fellowship**  
University of Michigan Health System  
Ann Arbor, Michigan

2008-2015    **General Surgery Residency**  
Chief Resident 2014-2015  
University of Michigan Health System  
Ann Arbor, Michigan

### **POSTDOCTORAL EDUCATION**

- 2019-Present **Master of Health Professions Education**  
University of Illinois at Chicago
- 2011-2013 **Postdoctoral Research Fellowship**  
Mentor: Robert Bartlett, MD and Jonathan Haft, MD  
Extracorporeal Life Support Laboratory  
University of Michigan Health System
- 2011-2012 **Medical Education Scholars Program**  
University of Michigan Graduate Medical Education

### **ACADEMIC APPOINTMENTS**

- 2024-Present **Associate Professor of Surgery**, University of Colorado School of Medicine
- 2024-Present **Co-Medical Director**, Cardiothoracic Intensive Care Unit, UCHealth
- 2023-2024 **Associate Professor of Surgery**, University of Virginia
- 2022-2024 **Director**, Critical Care Medicine Student Rotation, University of Virginia
- 2020-2024 **Associate Program Director**, Thoracic Surgery Fellowship Program, University of Virginia
- 2020-2024 **Associate Program Director**, Integrated Thoracic Surgery Residency Program, University of Virginia
- 2019-2024 **Medical Director**, Critical Care Advanced Practice Provider Fellowship Program, University of Virginia
- 2017-2023 **Assistant Professor of Surgery**, University of Virginia
- 2017-2024 **Director**, Adult ECMO Program, University of Virginia
- 2017-2024 **Director**, Medical Student Cardiac Surgery Rotation, University of Virginia
- 2017-2024 **Director**, Medical Student Thoracic and Cardiovascular ICU Rotation, University of Virginia
- 2017-2022 **Medical Director**, Thoracic and Cardiovascular ICU, University of Virginia

### **BOARD CERTIFICATION**

- 06/2018 **Thoracic Surgery**  
Certificate #8475  
Expires 12/2028
- 10/2015 **Surgical Critical Care**  
Certificate #003716  
Expires 12/2026
- 10/2015 **General Surgery**  
Certificate #060581  
Expires 12/2026

## **MEDICAL LICENSURE**

- 2024           **State of Colorado**  
License #0073140  
Expires 4/30/2025
- 2015           **Commonwealth of Virginia**  
License #0101257729  
Inactive
- 2011           **State of Michigan**  
License #4301092102  
Inactive

## **ADDITIONAL TRAINING**

- 2023           American College of Surgeons Surgeons as Educators Course
- 2022-2023     Society of Thoracic Surgeons Leadership Institute
- 2022           University of Virginia Leadership in Academic Matters
- 2021-2022     University of Virginia Heart and Vascular Early Career Leadership Academy
- 2019           HeartMate 3 Left Ventricular Assist Surgical and Product Training, Austin, TX
- 2019           HeartMate II Left Ventricular Assist Surgical and Product Training, Austin, TX
- 2019           American Association for Thoracic Surgery Leadership Academy, Toronto, ON
- 2019           Association for Academic Surgery Grant Writing Workshop, Houston, TX
- 2018           Society for Cardiovascular Angiography & Interventions Team-Based  
Cardiogenic Shock Course, Boston, MA
- 2018           Medical Simulation Center Faculty Development Course, Charlottesville, VA
- 2018           Cardiac Surgical Unit Advanced Life Support Provider Course, Baltimore, MD
- 2018           Applied Statistics in Biological Systems Short Course, Icahn School of Medicine  
at Mount Sinai, New York, NY
- 2017           Atricure Advanced Ablation Course, Atlanta, GA
- 2017           Total Artificial Heart Advanced Skills Course, Houston, TX
- 2017           HeartWare Ventricular Assist Device Training, Charlottesville, VA
- 2015           Thoracic Surgery Directors Association Boot Camp, Chapel Hill, NC
- 2012           Association for Academic Surgery Fundamentals of Surgical Research Course,  
Chicago, IL

## **HONORS AND AWARDS**

- 2024           Presidential Abstract Recognition Award, American Association for Thoracic  
Surgery 104<sup>th</sup> Annual Meeting, awarded to Matthew Weber (Mentee)

- 2024 Best Poster Award – University of Virginia Resident Research Day, awarded to Anthony Norman (Mentee)
- 2024 Virginia Business Magazine’s Top Doctors: Cardiothoracic Surgery
- 2023 Hoos Building Bridges Award, University of Virginia Office of the President. One of two teams recognized University-wide for this award, for the development of an ambulatory ECMO program
- 2023 J. Maxwell Chamberlain Memorial Paper Award, Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting, awarded to Raymond Strobel (Mentee)
- 2022 Presidential Abstract Recognition Award, American Association for Thoracic Surgery 102<sup>nd</sup> Annual Meeting, awarded to Andrew Hawkins (Mentee)
- 2021 Dean’s Award for Excellence in Teaching, University of Virginia School of Medicine
- 2021 Elected to Academy for Excellence in Education, University of Virginia School of Medicine
- 2020 ELSO Platinum Center of Excellence Award for UVA ECMO Program (**Teman** Medical Director)
- 2019 Best Poster Award – University of Virginia Resident Research Day, awarded to Evan Rotar (Mentee)
- 2019 Best Quality Improvement Poster Award – STS Annual Meeting, awarded to Jared Beller (Mentee)
- 2015 Coller Society Traveling Fellowship Recipient
- 2012 Best Poster Award – University of Michigan Medical Education Day
- 2011 Society of Thoracic Surgeons Looking to the Future Scholarship
- 2007-2008 Dean’s Recognition for the Junior/Senior Continuum
- 2006 Medical Student Summer Research Fellowship

**MEMBERSHIP IN PROFESSIONAL SOCIETIES**

**American Association for Thoracic Surgery**

2024-Present Member

**Muller-Jones Surgical Society**

2017-Present Member

**Extracorporeal Life Support Organization**

2017-Present Member

2017-Present Technology Committee

**Southern Thoracic Surgical Association**

2015-Present Member

**Society of Thoracic Surgeons**

2012-Present Member

## **American College of Surgeons**

2019-Present Fellow

2008-Present Member

## **TEACHING AND EDUCATIONAL ACTIVITIES**

2022-2024	University of Virginia Integrated Thoracic Surgery Residency Medical Student Advisor
2022	Instructor, “ECMO 101: Hands-On Breakout Session.” Society of Thoracic Surgeons 19 <sup>th</sup> Annual Perioperative and Critical Care Conference
2019-2024	Director, University of Virginia Cardiothoracic Surgery Mock Oral Boards
2019	Instructor, American College of Surgeons “Cardiothoracic Surgery in Your Future” Course
2018-2024	University of Virginia General Surgery Mock Oral Boards Examiner
2018-2022	Director, University of Virginia Surgery Medical Student Readiness Course
2018-2020	Facilitator, University of Virginia General Surgery Resident Simulation Sessions
2017-2019	Director, University of Virginia Thoracic Surgery Residency Journal Club
2017-2024	Weekly seminar with University of Virginia Thoracic and Cardiovascular ICU Medical Students
2017-2024	Weekly seminar with University of Virginia Cardiac Surgery Medical Students
2012	Resident Facilitator, University of Michigan Medical Student Surgical Bootcamp

## **Local and Institutional Lectures**

2023	“Hands-on ECMO Simulation.” University of Virginia General Surgery Residents
2022-2024	“Extracorporeal Membrane Oxygenation.” University of Virginia Cardiology Teaching Conference (Annually)
2022	“Extracorporeal Membrane Oxygenation.” University of Virginia Palliative Care Conference
2022	“Extracorporeal Membrane Oxygenation.” University of Virginia Emergency Medicine Residency Conference
2022	“ECMO Hands-on Workshop.” University of Virginia Pulmonary Critical Care Fellow Teaching Conference
2021-2024	“Ischemic Heart Disease.” University of Virginia Thoracic Surgery Teaching Conference (Annually)
2021-2024	“Critical Care.” University of Virginia General Surgery Teaching Conference (Annually)
2021	“Extracorporeal Membrane Oxygenation.” University of Virginia Pulmonary Critical Care Fellow Didactic Conference
2021	“Extracorporeal Cardiopulmonary Resuscitation.” University of Virginia Advanced Practice Provider Fellowship Lecture Series
2020	“Venovenous ECMO.” University of Virginia Critical Care Lecture Series

- 2020 “Short-term Mechanical Circulatory Support.” University of Virginia Biomedical Engineering Students
- 2020-2024 “Extracorporeal Membrane Oxygenation.” University of Virginia Internal Medicine Residency Acute Care Lecture Series (Annually)
- 2019 “Mock Oral Board Review.” University of Virginia General Surgery Residency Teaching Conference
- 2019-2024 “Shock and Critical Care.” University of Virginia 3<sup>rd</sup> Year Medical Student Lecture Series (Bimonthly)
- 2019-2024 “Surgical Simulation Cases.” University of Virginia Surgery Medical Student Readiness Course (Annually)
- 2018 “Cardiogenic Shock and Mechanical Circulatory Support.” University of Virginia Anesthesiology Critical Care Fellow Teaching Conference
- 2018-2024 “Mechanical Support/ECMO.” University of Virginia Thoracic Surgery Teaching Conference (Annually)
- 2018-2022 “Perioperative Case Discussion.” University of Virginia Surgery Medical Student Readiness Course (Annually)
- 2018 “Surgical Lines, Drains, and Tubes.” University of Virginia Surgery Intern Boot Camp
- 2018-2024 “Surgical Lines, Drains, and Tubes.” University of Virginia Surgery Medical Student Readiness Course (Annually)
- 2018-2024 “Cardiac Surgery.” Murphy Deming College of Health Sciences Physician Assistant Program (Annually)
- 2011 “Surgeons, Professionalism, and Operating Room Culture.” University of Michigan Healthcare Administration Program

### **EDITORIAL POSITIONS**

- 2023-Present Academic Medicine, Ad Hoc Reviewer
- 2022-Present American Thoracic Society Scholar, Ad Hoc Reviewer
- 2022-Present Clinical Cardiology, Ad Hoc Reviewer
- 2021-Present Journal of the American Heart Association, Ad Hoc Reviewer
- 2021-Present Journal of Cardiac Surgery, Ad Hoc Reviewer
- 2021-Present Surgery, Ad Hoc Reviewer
- 2020-Present Perfusion, Ad Hoc Reviewer
- 2020-Present Journal of Cardiovascular Translational Research, Ad Hoc Reviewer
- 2020-Present Journal of Thoracic and Cardiovascular Surgery, Editorial Board
- 2019-Present Circulation, Ad Hoc Reviewer
- 2019-2020 Journal of Thoracic and Cardiovascular Surgery, Ad Hoc Reviewer
- 2019-Present Journal of the American College of Surgeons, Ad Hoc Reviewer
- 2017-Present Heart Surgery Forum, Ad Hoc Reviewer
- 2015-Present Annals of Thoracic Surgery, Ad Hoc Reviewer
- 2013-2015 JAMA Surgery, Ad Hoc Reviewer
- 2012-2015 Association of American Medical Colleges Conference on Research in Medical Education, Ad Hoc Reviewer

## **ADDITIONAL PROFESSIONAL ACTIVITIES**

2024-Present American Association for Thoracic Surgery Member for a Day Mentor  
2024-Present Program Lead for Perioperative/Critical Care, Society of Thoracic Surgeons Annual Meeting  
2024-Present American Association for Thoracic Surgery, Member for a Day Application Reviewer  
2023-Present Society of Thoracic Surgeons Mentorship Program  
2023-Present University of Virginia Excellence in Education Week, Abstract Reviewer  
2023-Present Society of Thoracic Surgeons Looking to the Future Scholarship Mentor  
2022-Present Southern Thoracic Surgical Association Brooks Scholarship Mentor  
2022-Present Thoracic Surgery Directors Association In-Training Examination, Question Author and Reviewer  
2022-Present Southern Thoracic Surgical Association Annual Meeting, Abstract Reviewer  
2022-Present Society of Thoracic Surgeons Annual Meeting, Abstract Reviewer

## **LOCAL COMMITTEES**

2024 Search Committee, University of Virginia Transplant Procurement Surgeon  
2023-2024 University of Virginia Center for Excellence in Education Educational Scholarship Committee  
2023-2024 University of Virginia Heart and Vascular Center Quality Workgroup  
2023-2024 Clinical Documentation Improvement Champion, Department of Surgery  
2022-2023 Search Committee, University of Virginia Vascular Surgery Faculty  
2021 Search Committee, University of Virginia Cardiac Surgery Faculty  
2021-2024 University of Virginia School of Medicine Curriculum Committee  
2020-2024 University of Virginia Critical Care Advanced Practice Provider Fellowship Selection Committee  
2019-2024 University of Virginia Mechanical Circulatory Support Oversight Committee  
2019-2024 University of Virginia Blood Refusal Committee  
2019 Search Committee, University of Virginia Vascular Surgery Faculty  
2019 Search Committee, University of Virginia Cardiac Surgery Faculty  
2018-2020 University of Virginia Aortic Telemedicine Program  
2017-2024 University of Virginia Critical Care Subcommittee  
2017-2024 University of Virginia Pulmonary Embolism Response Team  
2017-2024 University of Virginia Thoracic Surgery Residency Applicant Review Committee  
2017-2024 University of Virginia General Surgery Residency Applicant Review Committee  
2017-2024 University of Virginia Anti Infective Utilization Subcommittee  
2017-2024 University of Virginia Department of Surgery Grand Rounds Committee  
2017-2024 University of Virginia Heart Transplantation Selection Committee  
2017-2024 University of Virginia Thoracic Surgery Residency Program Evaluation Committee  
2012-2015 University of Michigan GME Internal Review Committee

2012-2015 University of Michigan General Surgery GME Subcommittee on Evaluations  
2012-2015 University of Michigan Clinical Simulation Center Research Committee  
2008-2015 University of Michigan General Surgery Graduate Medical Education Committee

### **REGIONAL COMMITTEES**

2023-2024 Vice-Chair/Chair-Elect, Virginia Cardiac Services Quality Initiative  
2023-2024 Chair, Research and Writing Committee, Virginia Cardiac Services Quality Initiative  
2020-2024 Board of Directors, Virginia Cardiac Services Quality Initiative  
2020-2024 Acute Kidney Injury Workgroup, Surgical Champion, Virginia Cardiac Services Quality Initiative  
2020-2024 Shock Workgroup, Virginia Cardiac Services Quality Initiative

### **NATIONAL COMMITTEES**

2024-Present American Association for Thoracic Surgery Resident Research Scholarship Sub-Committee  
2024-Present Southern Thoracic Surgical Association Scholarship Committee  
2024-Present Society of Thoracic Surgeons Workforce on Annual Meeting  
2022-Present Thoracic Surgery Directors Association Early Specialization Committee  
2022-Present Thoracic Surgery Directors Association In-Training Examination Committee  
2022-Present Society of Thoracic Surgeons Workforce on Critical Care  
2018-2021 Thoracic Surgery Directors Association Early Specialization Committee

### **EXTRAMURAL FUNDING**

2 UM1 HL088925-12 5/2020-7/2024  
NIH/NHLBI \$23,000  
Cardiothoracic Surgical Trials Network Linked Clinical Research Centers for Virginia and West Virginia  
Role: PI of two projects within CRISP (Clinical Research and Implementation Science Program)  
- Impact of Timing of Extubation/Tracheostomy in Patients Requiring ECMO  
- Venous Thromboembolism Prophylactic Strategy Practice Patterns and Clinical Impact

1 R01 HL142110 4/15/2018-3/31/2022  
NIH/NHLBI \$259,246/ year  
In Vivo Lung Perfusion for the Surgical Treatment of Acute Respiratory Distress Syndrome  
Role: Co-Investigator (5% effort. PI: Irving Kron, MD)

### **INTRAMURAL FUNDING**

2019-2020 Surgery Research Advisory Committee. Multi-Organ Assessment of a Cardiopulmonary Bypass Rat Model (\$200,000)

## **CLINICAL TRIALS**

2023-2024 DMSO Cryopreserved Platelets in Cardiopulmonary Bypass Surgery (CRYPTICS) (Sponsor: Cellphire Therapeutics, in collaboration with US Army Medical Research and Development Command) (Site PI)

2023 Efficacy and Safety of RMC-035 in Subjects at High Risk for Acute Kidney Injury Following Open-Chest Cardiac Surgery (AKITA) (Sponsor: Guard Therapeutics) (Site PI)

2021-2022 A Phase 2 Proof of Concept, Double-blind, Randomized, Placebo-controlled Study to Evaluate the Efficacy of ASP1128 (MA-0217) in Subjects at Risk for Acute Kidney Injury following Coronary Artery Bypass Graft (CABG) and/or Valve Surgery (Sponsor: Astellas Pharma Inc.) (Site PI)

2020-2022 A multi-center, randomized, within-subject-controlled, open label study of the safety and effectiveness of VEST, Venous External Support (Sponsor: Vascular Graft Solutions) (Site PI)

2020-2022 A Phase 2, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Dose Ranging Study to Evaluate the Efficacy and Safety of Botulinum Toxin Type A (AGN 151607) Injections into the Epicardial Fat Pads to Prevent Post-Operative Atrial Fibrillation in Patients Undergoing Open-Chest Cardiac Surgery (Sponsor: Allergan) (Site PI)

2019-2021 A Multicenter, Prospective, Parallel-Group, Double-Blind, Randomized, Placebo-Controlled Phase 2 Study of ANG-3777 (Formerly BB3) to Assess the Safety and Efficacy of ANG-3777 in Patients Developing Acute Kidney Injury After Cardiac Surgery (Sponsor: Angion Biomedica Corp.) (Site PI)

2018-2021 Phase 3 Trial of QPI-1002 for Prevention of Major Adverse Kidney Events in Subjects at High Risk for Acute Kidney Injury Following Cardiac Surgery (Sponsor: Quark Pharmaceuticals) (Site PI)

## **RESEARCH MENTEES**

2023-2024 Steven Young (Surgical Research Fellow)

2023-2024 Sean Noona (Surgical Research Fellow)

2023-2024 Mohamad El Moheb (Surgical Research Fellow)

2023-2024 Matthew Weber (Surgical Research Fellow)  
 2023-2024 Skyler Rodgers (Surgical Research Fellow)  
 2022-2024 Anthony Norman (Surgical Research Fellow)  
 2022-2024 Alex Wisniewski (Surgical Research Fellow)  
 2022-2023 Raza Ahmad (Surgical Research Fellow)  
 2021-2023 Raymond Strobel (Surgical Research Fellow)  
 2021-2023 Andrew Young (Surgical Research Fellow)  
 2020-2022 Evan Rotar (Surgical Research Fellow)  
 2019-2021 Nathan Haywood (Surgical Research Fellow)  
 2018-2020 Aimee Zhang (Surgical Research Fellow)  
 2018-2020 Matthew Byler (Surgical Research Fellow)  
 2017-2019 Zachary Chancellor (Surgical Research Fellow)  
 2017-2019 Jared Beller (Surgical Research Fellow)  
 2013 Adam Cole (Medical Student Biomedical Research Program)  
 2012-2013 Stuart Hammond (Undergraduate Student)  
 2012-2013 Joshua D’Arcy (Undergraduate Student)  
 2012 Nader Delavari (Medical Student Biomedical Research Program)  
 2011-2012 Kaylyn Harbin (Undergraduate Student)  
 2011-2012 Gregory Pontasch (Undergraduate Student)

## **PEER-REVIEWED PUBLICATIONS**

1. **Teman NR**, Strobel RJ, Bonnell LN, Preventza O, Yarboro LT, Badhwar V, Kaneko T, Habib RH, Mehaffey JH, Beller JP. Operating room extubation for patients undergoing cardiac surgery: A national STS database analysis. *Annals of Thoracic Surgery*. 2024 Jun; Online ahead of print. PMID: 38878949.
2. Scott EJ, Young S, Ratcliffe SJ, Wang X, Mehaffey JH, Sharma A, Rycus P, Tonna J, Yarboro L, Bryner B, Collins M, **Teman NR**. Veno-arterial extracorporeal life support use in acute pulmonary embolism shows favorable outcomes. *Annals of Thoracic Surgery*. 2024 Feb; Online ahead of print. PMID: 38360341.
3. Wisniewski AM, Young SD, Do-Nguyen CC, Hawkins RB, Romano MP, **Teman NR**, Ailawadi G. Impact of frailty in patients undergoing minimally invasive mitral valve surgery. *Innovations*. 19(1): 64-71, 2024. PMID: 38284330.
4. Strobel RJ, Kaplan EF, Young AM, Rotar EP, Mehaffey JH, Hawkins RB, Joseph M, Quader MA, Yarboro LT, **Teman NR**. Socioeconomic distress is associated with failure to rescue in cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*. 167(3): 1100-1114, 2024. PMID: 36031426.
5. Piccini JP, Ahlsson A, Dorian P, Gillinov AM, Kowey PR, Mack MJ, Milano CA, Noiseux N, Perrault LP, Ryan W, Steinberg JS, Voisine P, Waldron NH, Gleason KJ, Titanji W, Leaback RD, O’Sullivan A, Ferguson WG, Benussi S, **NOVA-AF Investigators**. Efficacy

- and safety of botulinum toxin type A for the prevention of postoperative atrial fibrillation. *JACC: Clinical Electrophysiology*. 10(5): 930-940, 2024. PMID: 38661602.
6. Herrmann HC, Mehran R, Blackman DJ, Bailey S, Mollmann H, Abdel-Wahab M, Ben Ali W, Mahoney PD, Ruge H, Wood DA, Bleiziffer S, Ramlawi B, Gada H, Petronio AS, Resor CD, Merhi W, Del Blanco BG, Attizzani GF, Batchelor WB, Gillam LD, Guerrero M, Rogers T, Rovin JD, Szerlip M, Whisenant B, Deeb GM, Grubb KJ, Padang R, Fan MT, Althouse AD, Tchetché D, **SMART Trial Investigators**. *New England Journal of Medicine*. 390(21): 1959-1971, 2024. PMID: 38587261.
  7. Strobel RJ, Sahli ZT, Mehaffey JH, Hawkins RB, Young AM, Quader M, Dehmer GJ, **Teman NR**, Yarboro LT, Likosky DS, Badhwar V, Kron IL, Ailawadi G. Appropriateness of surgical aortic valve replacement for severe aortic stenosis is increasing. *Annals of Thoracic Surgery*. 117(2): 361-368, 2024. PMID: 35948120.
  8. Tonna JE, Boonstra PS, MacLaren G, Paden M, Brodie D, Anders M, Hoskote A, Ramanathan K, Hyslop R, Fanning JJ, Rycus P, Stead C, Barrett NA, Mueller T, Gomez RD, Kapoor PM, Fraser JF, Bartlett RH, Alexander PMA, Barbaro RP, **ELSO Member Centers Group**. *ASAIO Journal*. 70(2): 131-143, 2024. PMID: 38181413.
  9. Mazzeffi M, Miller D, Wang A, Kothandaraman V, Money D, Clouse B, Zaaqoq AM, **Teman N**. Iatrogenic blood loss from phlebotomy during adult extracorporeal membrane oxygenation: A retrospective cohort study. *Transfusion*. 64(3): 475-482, 2024. PMID: 38385665.
  10. Wisniewski AM, Sutherland GN, Strobel RJ, Quader M, Yount KW, **Teman NR**. Mitral valve repair in a regional quality collaborative: Respect or resect? *Journal of Thoracic and Cardiovascular Surgery Techniques*. 24: 66-75, 2024. PMID: 38835591.
  11. Strobel RJ, Young AM, Rotar EP, Hawkins RB, Norman AV, Ahmad R, Joseph M, Quader M, Rich JB, Speir A, Yarboro L, Mehaffey JH, **Teman NR**. Center case volume is associated with Society of Thoracic Surgeons-defined failure to rescue in cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*. 168(1): 165-174, 2024. PMID: 37211243.
  12. Mazzeffi M, Beller J, Strobel R, Norman A, Wisniewski A, Smith J, Fonner CE, McNeil J, Speir A, Singh R, Tang D, Quader M, Yarboro L, **Teman N**. Trends in the use of recombinant activated factor VII and prothrombin complex concentrate in heart transplant patients in Virginia. *Journal of Cardiothoracic and Vascular Anesthesia*. 38(3): 660-666, 2024. PMID: 38220518.
  13. Strobel RJ, Money DT, Young AM, Wisniewski AM, Norman AV, Ahmad RM, Kaplan EF, Joseph M, Quader M, Mazzeffi M, Yarboro LT, **Teman NR**. Extracorporeal Life Support Organization Center of Excellence recognition is associated with improved failure to rescue after cardiac arrest. *Journal of Thoracic and Cardiovascular Surgery*. 167(5): 1866-1877, 2024. PMID: 37156364.

14. Cain MT, Taylor LJ, Colborn K, **Teman NR**, Hoffman J, Mayer KP, Etchill EW, Sevin CM, Jaishankar S, Ramanan R, Enfield K, Zwischenberger JB, Jolley SE, Rove JY. Worse survival in patients with right ventricular dysfunction and COVID-19-associated acute respiratory distress requiring extracorporeal membrane oxygenation: A multicenter study from the ORACLE group. *Journal of Thoracic and Cardiovascular Surgery*. 167(5): 1833-1841, 2024. PMID: 36717346.
15. Mazzeffi M, Lin D, Gonzalez-Almada A, Stombaugh DK, Curley J, Mangunta V, **Teman N**, Yarboro LT, Thiele R. Outcomes of heparinized adult veno-arterial extracorporeal membrane oxygenation patients managed with low and high activated partial thromboplastin time targets: A systematic review and meta-analysis. *Perfusion*. 39(3): 525-535, 2024. PMID: 36595340.
16. Hawkins AD, Strobel RJ, Mehaffey JH, Hawkins RB, Rotar EP, Young AM, Yarboro LT, Yount K, Ailawadi G, Joseph M, Quader M, **Teman NR**. Operating room versus intensive care unit extubation within 6 hours after on-pump cardiac surgery: Early results and hospital costs. *Seminars in Thoracic and Cardiovascular Surgery*. 36(2): 195-208, 2024. PMID: 36460133.
17. Young AM, Strobel RJ, Rotar EP, Kleiman A, McNeil JS, **Teman NR**, Hawkins RB, Raphael J, Mehaffey JH. Perioperative acetaminophen is associated with reduced acute kidney injury after cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery*. 167(4): 1372-1380, 2024. PMID: 36207161.
18. Ahmad RM, Strobel RJ, Young AM, Wisniewski A, Zhang A, Kaplan E, Yarboro LT, Yount KW, Beller J, **Teman NR**. Renal recovery in cardiac surgery patients requiring postoperative renal-replacement therapy. *Journal of Thoracic and Cardiovascular Surgery*. 2023 Dec; Online ahead of print. PMID: 38135000.
19. Norman AV, Young AM, Strobel RJ, Joseph M, Yarboro L, **Teman NR**, Quader M, Kron IL. Unplanned postoperative catheterization during admission for coronary artery bypass grafting is neither cheap nor benign, but may rescue patients. *Journal of Thoracic and Cardiovascular Surgery*. 2023 Sep; Online ahead of print. PMID: 37659463.
20. Hawkins AD, Scott EJ, De Guzman J, Ratcliffe SJ, Mehaffey JH, Hawkins RB, Strobel RJ, Speir A, Joseph M, Yarboro LT, **Teman NR**. Temporal cluster analysis of deep sternal wound infection in a regional quality collaborative. *Journal of Surgical Research*. 291: 67-72, 2023. PMID: 37352738.
21. Strobel RJ, Kaplan EF, Young AM, Wisniewski AM, Ising MS, Chaudry B, Speir A, Quader M, Mehaffey JH, Beller JP, **Teman NR**. The Society of Thoracic Surgeons definition of failure to rescue should consider including cardiac arrest. *Annals of Thoracic Surgery*. 116(6): 1301-1308, 2023. PMID: 37271448.

22. Young AM, Strobel RJ, Kaplan E, Norman AV, Ahmad R, Kern J, Yarboro L, Yount K, Hulse M, **Teman NR**. Delirium is associated with failure to rescue after cardiac surgery. *Journal of Thoracic and Cardiovascular Surgery Open*. 16: 464-476, 2023. PMID: 38204716.
23. Strobel RJ, Narahari AK, Rotar EP, Young AM, Vergales J, Mehaffey JH, **Teman NR**, Kern JA, Yarboro LT, Kron IL, Nelson MR, Roeser M. Effect of cardiopulmonary bypass on SARS-CoV-2 vaccination antibody levels. *Journal of the American Heart Association*. 12(17): e029406, 2023. PMID: 37589123.
24. Yang CJ, Veeramachaneni N, Hurd J, Potter AL, Zheng L, **Teman N**, Blair S, Martin LW. A national survey of surgeons evaluating the accuracy of mediastinal lymph node identification. *Clinical Lung Cancer*. 24(5): 445-452, 2023. PMID: 37193625.
25. Young AM, Strobel RJ, Zhang A, Kaplan E, Rotar E, Ahmad R, Yarboro L, Mehaffey H, Yount K, Hulse M, **Teman NR**. Off-hours intensive care unit transfer is associated with increased mortality and failure to rescue. *Annals of Thoracic Surgery*. 115(5): 1297-1303, 2023. PMID: 36739071.
26. Kaplan EF, Strobel RJ, Young AM, Wisniewski AM, Ahmad RM, Mehaffey JH, Hawkins RB, Yarboro LT, Quader M, **Teman NR**. Cardiac surgery outcomes during the COVID-19 pandemic worsened across all socioeconomic statuses. *Annals of Thoracic Surgery*. 115(6): 1511-1518, 2023. PMID: 36696937.
27. Young AM, Strobel RJ, Rotar E, Norman A, Henrich M, Mehaffey JH, Brady W, **Teman NR**. Implementation of a non-intensive-care unit medical emergency team improves failure to rescue rates in cardiac surgery patients. *Journal of Thoracic and Cardiovascular Surgery*. 165(5): 1861-1872, 2023. PMID: 36038381.
28. Cramer CL, Marsh K, Krebs ED, Mehaffey JH, Beller JP, Chancellor WZ, **Teman NR**, Yarboro LT. Long term employment following heart transplantation in the United States. *Journal of Heart and Lung Transplantation*. 42(7): 880-887, 2023. PMID: 36669942.
29. Strobel RJ, Mehaffey JH, Hawkins RB, Young AM, Scott EJ, Quader M, Dehmer GJ, Rich JB, Ailawadi G, Kron IL, Ragosta M, Yarboro LT, **Teman NR**. Socioeconomic distress associated with increased used of percutaneous coronary intervention over coronary artery bypass grafting. *Annals of Thoracic Surgery*. 115(4): 914-921, 2023. PMID: 35868555.
30. Rotar EP, Scott EJ, Hawkins RB, Mehaffey JH, Strobel RJ, Charles EJ, Quader MA, Joseph M, **Teman NR**, Yarboro LT, Ailawadi G. Changes in controllable coronary artery bypass grafting practice for white and black Americans. *Annals of Thoracic Surgery*. 115(4): 922-928, 2023. PMID: 35093386.
31. Tribble C, **Teman N**. Zen and the art of thriving in the clerkship year of medical school. *Heart Surgery Forum*. 26(3): E192-E201, 2023. PMID: 37216323.

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## **PUBLISHED ABSTRACTS**

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21. Patel HP, Myrmel T, Fattori R, Montgomery D, Greason K, Pape L, Hughes GC, Peterson M, Trimarchi S, Deeb GM, **Teman NR**, Isselbacher E, Nienaber C, Eagle K, Froehlich. Acute renal failure and its early and late implications in acute aortic dissection: The IRAD experience. *Journal of American College of Cardiology*. 59(13s1): E1921-E1921, 2012.

## **BOOK CHAPTERS**

1. Strobel, Raymond J. and **Teman, Nicholas R.** “Temporary Mechanical Circulatory Support,” in TSRA Review of Cardiothoracic Surgery, 3<sup>rd</sup> Edition, edited by Alexander A. Brescia and Clauden Louis. Published 2021.
2. **Teman, Nicholas R.** and Minter, Rebecca M. “Mentors and Mentoring,” in Success in Academic Surgery: Developing a Career in Surgical Education, edited by Carla M. Pugh and Rebecca S. Sippel. Published 2013.

3. **Temán, Nicholas** and Pohost, Gerald. “Cardiac Transplantation,” in Cardiovascular Magnetic Resonance, 2<sup>nd</sup> edition, edited by Warren J. Manning and Dudley J. Pennell. Published 2010.

## **MULTIMEDIA**

1. Millar J, **Temán NR**, Dahl J, Wessels L. So, You Want to be a Cardiac Surgeon?: Training Paradigms. Behind the Knife Podcast. June 3, 2024.
2. Millar J, **Temán N**, Imber G. Cardiac Cowboys: The Heroic Invention of Heart Surgery. Behind the Knife Podcast. April 11, 2024.
3. Millar J, Williams A, **Temán NR**. Clinical Challenges in Cardiac Surgery: Mitral Valve Disease. Behind the Knife Podcast. February 15, 2024.
4. Bingham J, Kuckelman J, Bateson B, Shemmeri E, Boyer K, **Temán NR**. Cardiothoracic Oral Board Audio Review Course. Behind the Knife. January, 2024.
5. Millar J, Williams A, **Temán NR**. Clinical Challenges in Cardiac Surgery: Common Post-op Cardiac Surgery Problems. Behind the Knife Podcast. August 31, 2023.
6. Millar J, **Temán NR**. Cardiac Surgery Crash Course Series – Episode 2: Principles of Cardiopulmonary Bypass. Behind the Knife Podcast. November 24, 2022.
7. Millar J, **Temán NR**. Cardiac Surgery Crash Course Series – Episode 1: Intro to the Cardiac OR. Behind the Knife Podcast. November 21, 2022.
8. **Temán NR**. “CSU-ALS: How to Build It.” Presented in: Arrest after cardiac surgery: Is your team ready? Society of Thoracic Surgeons Webinar. August 18, 2022.
9. Georgoff PE, **Temán NR**. ECMO Basics Part 3. Behind the Knife Podcast. July 23, 2020.
10. Georgoff PE, **Temán NR**. ECMO Basics Part 2. Behind the Knife Podcast. July 21, 2020.
11. Georgoff PE, **Temán NR**. ECMO Basics Part 1. Behind the Knife Podcast. July 19, 2020.
12. Hackmann AE, Haft JW, **Temán NR** (moderators). Cardiothoracic Surgery in the COVID Crisis: ECMO Challenges and Considerations. Society of Thoracic Surgeons Webinar. April 23, 2020.

## **ORAL PRESENTATIONS**

1. Norman A, Weber M, El Moheb M, Wisniewski A, Strobel R, Speir A, Mazzeffi M, Kontos M, Joseph M, Tang D, Singh R, Quader M, Beller J, Yount K, **Temán N**. Ideal timing of coronary artery bypass grafting after non-ST elevation myocardial infarction. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
2. Rodgers S, Wisniewski A, Norman A, Beller J, Quader M, **Temán N**. Impact of holiday and weekend cardiac surgery on failure to rescue. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
3. El Moheb M, Norman A, Young S, Weber M, Noona S, Wisniewski A, Strobel R, Young A, Smith J, Rich J, Damluji A, Quader M, Yarboro L, **Temán N**, Preventa O. Evaluating the impact of socioeconomic distress on readmission rates after cardiac surgery. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
4. Weber M, Strobel R, Young A, Young S, Norman A, El Moheb M, Wisniewski A, Noona S, Quader M, Mazzeffi M, Yarboro L, **Temán N**. CSU-ALS certified centers are associated with improved failure to rescue after cardiac arrest: A propensity score match analysis. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
5. Noona S, Young S, Weber M, El Moheb M, Norman A, Wisniewski A, Strobel R, Quader M, Mazzeffi M, Yarboro L, **Temán N**. Prophylactic left atrial appendage ligation during CABG: A propensity score-matched analysis. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
6. Wisniewski A, Suzuki Y, Strobel R, Norman A, Lynch W, Chatterjee S, Loo G, Scott C, **Temán N**, Carrott P. ECMO bridge to lung transplant: Analysis of the ELSO registry. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
7. Strobel R, Mehaffey J, Bonnell L, Preventza O, Yarboro L, Badhwar V, Kaneko T, Habib R, Beller J, **Temán N**. Operating room extubation is safe and effective for patients undergoing adult cardiac surgery: A national STS database analysis. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
8. Narahari A, Horgan T, Chandrabhatla A, Phillips A, Cramer C, Mehaffey J, Tribble C, **Temán N**, Preventza O, Kern J, Roeser M. Pursuit of advanced fellowships in integrated versus traditional thoracic surgery residents. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
9. Chandrabhatla AS, Horgan TM, Narahari AK, Yount KW, **Temán NR**, Kern JA, Mazimba S, Bergin JD, Yarboro L. Community socioeconomic distress is associated with poor access to heart failure clinical trials in the United States. American Heart Association Scientific Sessions 2023; November 11-13, 2023; Philadelphia, PA.
10. Narahari A, Chandrabhatla A, Horgan T, Nguyen J, Patel P, Strobel R, Blitzer D, Han J, Coyan G, Beller J, Yount K, Yarboro L, Mehaffey, Kern J, **Temán N**. The (broken) promise of generative

artificial intelligence for cardiothoracic surgery trainee education. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.

11. Ahmad R, Young A, Strobel R, Wisniewski A, Norman A, Yarboro L, Yount K, **Teman N**. Contact isolation precautions are associated with increased complications and failure to rescue after cardiac surgery. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
12. Norman A, Strobel R, Young A, Wisniewski A, Ahmad R, Mazzeffi M, Speir A, Quader M, Beller J, Yarboro L, Kern J, Yount K, **Teman N**. Traveling long distances does not impact operative mortality in acute type A aortic dissection. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
13. Horgan T, Chandrabhatla A, Narahari A, Kern K, **Teman N**, Mehaffey J, Scott C, Yarboro L, Carrott P. Community socioeconomic distress is associated with worse access to heart and lung transplantation in the United States. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
14. Rajeev R, Phillips A, Strobel R, Wisniewski A, Young A, Fonner C, Speir A, **Teman N**, Mazzeffi M, Joseph M, Singh R, Tang D, Kontos M, Kasirajan V, Quader M. Mechanical circulatory support devices for post-cardiotomy shock – Prevalence and outcomes from a decade of statewide registry data. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
15. Ahmad R, Strobel R, Young A, Wisniewski A, Norman A, Zhang A, Beller J, **Teman N**. Relationship of preoperative anemia and perioperative blood transfusion on acute kidney injury in cardiac surgery. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
16. Chandrabhatla A, Narahari A, Qiu K, Vasiliadis T, Nguyen J, Strobel R, Yount K, Yarboro L, Kron I, Mehaffey J, Kern J, **Teman N**. Machine learning analysis of 40,000 manuscripts reveals increased focus on clinical research among academic cardiac surgeons. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
17. Young A, Strobel R, Norman A, Wisniewski A, Yount K, Yarboro L, Quader M, **Teman N**, Beller J. Prevalence of subocclusive coronary lesions and the impact on radial artery utilization. 2023 Society of Thoracic Surgeons Coronary Conference; June 3-4, 2023; Miami, FL.
18. Strobel R, Young A, Wisniewski A, Norman A, Ahmad R, Kaplan E, Joseph M, Money D, Quader M, Yarboro L, **Teman N**. ELSO Center of Excellence award associated with lower failure to rescue after cardiac arrest. 103<sup>rd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 6-9, 2023; Los Angeles, CA.
19. Ahmad R, Strobel R, Young A, Zhang A, Kaplan E, Yarboro L, Yount K, Beller J, **Teman N**. Renal recovery in cardiac surgery patients requiring postoperative renal replacement therapy. 103<sup>rd</sup>

- Annual Meeting of the American Association for Thoracic Surgery; May 6-9, 2023; Los Angeles, CA.
20. Young A, Strobel R, Kaplan E, Norman A, Ahmad R, Kern J, Yarboro L, Yount K, Hulse M, **Teman N**. Delirium is associated with failure to rescue after cardiac surgery. 103<sup>rd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 6-9, 2023; Los Angeles, CA.
  21. Wisniewski A, Strobel R, Young A, Norman A, Rotar E, Sridharan M, Mehaffey JH, Quader M, **Teman N**. Prevalence and predictors of venous thromboembolism following coronary bypass surgery. 103<sup>rd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 6-9, 2023; Los Angeles, CA.
  22. Kaplan EF, Strobel RJ, Young A, Wisniewski AM, Ahmad RM, Mehaffey JH, Hawkins RB, Yarboro LT, Quader M, **Teman NR**. Cardiac surgery outcomes during the COVID-19 pandemic worsened across all socioeconomic statuses. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting; January 21-23, 2023; San Diego, CA.
  23. Strobel RJ, Kaplan E, Young A, Ising MS, Chaudry B, Quader M, Mehaffey JH, Beller J, **Teman NR**. The Society of Thoracic Surgeons definition of failure to rescue should include cardiac arrest. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting; January 21-23, 2023; San Diego, CA.
  24. Strobel RJ, Young AM, Rotar EP, Kaplan EF, Hawkins R, Norman AV, Ahmad R, Joseph M, Quader M, Rich JB, Speir A, Yarboro LT, Mehaffey JH, **Teman NR**. Center case volume is associated with Society of Thoracic Surgeons-defined failure to rescue in cardiac surgery. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting; January 21-23, 2023; San Diego, CA.
  25. Young A, Strobel R, Zhang A, Rotar E, Mehaffey J, Yarboro L, Yount K, Hulse M, **Teman N**. Off-hours ICU transfer is associated with increased mortality and failure to rescue. Southern Thoracic Surgical Association 69<sup>th</sup> Annual Meeting; November 9-12, 2022; Fort Lauderdale, FL (conference canceled).
  26. Strobel R, Narahari A, Rotar E, Young A, Vergales J, Mehaffey J, **Teman N**, Kern JA, Yarboro L, Kron I, Nelson M, Roeser M. Bypassing COVID-19: The effect of cardiopulmonary bypass on COVID-19 vaccination titers. Southern Thoracic Surgical Association 69<sup>th</sup> Annual Meeting; November 9-12, 2022; Fort Lauderdale, FL (conference canceled).
  27. Raphael J, Young A, Strobel R, Rotar E, McNeil JS, Kleiman AM, **Teman N**, Mehaffey JH. Perioperative acetaminophen is associated with reduced acute kidney injury in adults undergoing cardiac surgery. American Society of Anesthesiologists Annual Meeting; October 21-25, 2022; New Orleans, LA.
  28. Hawkins AD, Strobel RJ, Mehaffey JH, Hawkins RB, Rotar EP, Young AM, Yarboro LT, Joseph M, Quader M, **Teman NR**. Operating room extubation after cardiac surgery is associated with higher reintubation and reoperation due to bleeding. 102<sup>nd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 14-17, 2022; Boston, MA.

29. **Temam NR.** The impact of pulmonary artery catheter use in cardiac surgery. 102<sup>nd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 14-17, 2022; Boston, MA.
30. Strobel RJ, Young A, Rotar EP, Mehaffey JH, Hawkins R, Joseph M, Quader M, Yarboro L, **Temam NR.** Socioeconomic distress is associated with failure to rescue in cardiac surgery. 102<sup>nd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 14-17, 2022; Boston, MA.
31. Young AM, Strobel RJ, Rotar EP, Mehaffey JH, Brady W, **Temam NR.** Implementation of a medical emergency team improves failure to rescue rates in cardiac surgery patients. 102<sup>nd</sup> Annual Meeting of the American Association for Thoracic Surgery; May 14-17, 2022; Boston, MA.
32. Scott EJ, Morales F, Ratcliffe SJ, Wang X, Mehaffey JH, Rotar E, Strobel RJ, Sharma A, Rycus P, Tonna J, Yarboro L, Bryner B, Collins M, **Temam NR.** Utilization of veno-arterial extracorporeal life support for acute pulmonary embolism demonstrates favorable outcomes. Society of Thoracic Surgeons 58<sup>th</sup> Annual Meeting; January 29-30, 2022; Virtual.
33. Yang CJ, Veeramachaneni N, Hurd J, Potter AL, Zheng L, **Temam N,** Blair S, Martin LW. A national survey of surgeons evaluating the accuracy of mediastinal lymph node identification. Society of Thoracic Surgeons 58<sup>th</sup> Annual Meeting; January 29-30, 2022; Virtual.
34. Hawkins RB, Scott EJ, Mehaffey JH, Strobel RJ, Quader M, Speir A, **Temam NR,** Yarboro LT. Impact of heart transplant allocation changes on hospital resource utilization. Southern Thoracic Surgical Association 68<sup>th</sup> Annual Meeting; November 3-6, 2021; Atlanta, GA.
35. Rotar E, Haywood N, Mehaffey JH, Money D, Ta H, **Temam NR,** Laubach V, Kron I, Roeser M. Development of a porcine model of ARDS via gastric aspiration and ventilator-induced injury. Southern Thoracic Surgical Association 68<sup>th</sup> Annual Meeting; November 3-6, 2021; Atlanta, GA.
36. Zhang AY, Haywood NS, Money DT, Byler MR, Osuru HP, Chancellor WZ, Beller JP, Laubach VE, Mehaffey JH, Roeser ME, Charlton JR, Lunardi N, Kron IL, **Temam NR.** Rodent survival model of cardiopulmonary bypass demonstrates systemic and organ-specific inflammation. 101<sup>st</sup> Annual Meeting of the American Association for Thoracic Surgery; April 30-May 2, 2021; Virtual.
37. Taylor LJ, Ramani C, Fakhri S, Mayer KP, Etchill EW, Mart MF, Jolley SE, Kadl A, Peterson S, Montgomery-Yates AA, Parker AM, Sevin C, Colborn K, **Temam NR,** Hoffman J, Enfield K, Bartels K, Kim BS, Cho S, Hippensteel J, Whitman GJ, Zwischenberger JB, Rove JY. Long-term recovery of COVID-19 survivors is not negatively impacted by ECMO: A multi-center study from the ORACLE group. 101<sup>st</sup> Annual Meeting of the American Association for Thoracic Surgery; April 30-May 2, 2021; Virtual.
38. Rotar EP, Chancellor WZ, Beller JP, Dahl JJ, Keiler J, Hawkins RB, Kern JA, Ailawadi G, Yarboro LT, Tribble C, **Temam NR.** Axillary artery cannulation is associated with pectoralis muscle atrophy. 16<sup>th</sup> Annual Academic Surgical Congress; February 2-4, 2021; Virtual.

39. Rotar EP, Scott EJ, Hawkins RB, Mehaffey JH, Strobel RJ, Charles EJ, Quader MA, Joseph M, **Teman NR**, Yarboro LT, Ailawadi G. Regional racial disparities in coronary artery bypass grafting. Society of Thoracic Surgeons 57<sup>th</sup> Annual Meeting; January 29-31, 2021; Virtual.
40. Dahl J, Hawkins RB, Yount KW, **Teman NR**, Yarboro LT, Kern JA, Ailawadi G. Structural valve degeneration of Trifecta versus Magna aortic valve bioprostheses. Society of Thoracic Surgeons 57<sup>th</sup> Annual Meeting; January 29-31, 2021; Virtual.
41. Yarboro LT, Mehaffey JH, Cantor RS, Deng L, **Teman NR**, Yount KW, Kern JA, Pagani FD, Kirklin JK, Bergin J. Progression to transplant under the new UNOS allocation system: Analysis of the STS INTERMACS database. Society of Thoracic Surgeons 57<sup>th</sup> Annual Meeting; January 29-31, 2021; Virtual.
42. Beller JP, Mehaffey JH, Wegermann Z, Grau-Sepulveda M, O'Brien SM, Brennan M, Thourani VH, Badhwar V, Pagani FD, Ailawadi G, Yarboro LT, **Teman NR**. A nationwide analysis of mechanical circulatory support for right ventricular failure at time of left ventricular assist device placement. Society of Thoracic Surgeons 57<sup>th</sup> Annual Meeting; January 29-31, 2021; Virtual.
43. Beller JP, Rotar E, Smolkin ME, Chancellor WZ, Ailawadi G, Yarboro LT, Hulse M, Ratcliffe SJ, **Teman NR**. Prediction of extended intensive care unit stays following cardiac surgery to improve resource allocation. 100<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; May 22-23, 2020 (Conference canceled).
44. Haywood NS, Mehaffey JH, Hawkins RB, Kron IL, Kern JA, Ailawadi G, **Teman NR**, Yarboro LT. Gastrointestinal complications after cardiac surgery: Highly morbid but improving over time. 15<sup>th</sup> Annual Academic Surgical Congress; February 4-6, 2020; Orlando, FL.
45. Chancellor WZ, Beller JP, Haywood NS, Mehaffey JH, Speir AM, Quader MA, Yarboro LT, **Teman NR**, Ailawadi G. Burden and impact of tricuspid regurgitation in patients undergoing coronary artery bypass. Southern Thoracic Surgical Association 66<sup>th</sup> Annual Meeting; November 6-9, 2019; Marco Island, FL.
46. Dahl JJ, Beller JP, Money D, Chancellor WZ, Mehaffey JH, Palkimas S, Morrissette M, Zhao Y, Yarboro LT, **Teman NR**. Monitoring anticoagulation in patients on extracorporeal membrane oxygenation: Back to the basics. Southern Thoracic Surgical Association 66<sup>th</sup> Annual Meeting; November 6-9, 2019; Marco Island, FL.
47. Beller JP, Krebs ED, Hawkins RB, Mehaffey JH, Quader MA, Rich JB, Speir AM, Kiser AC, Joseph M, Yarboro LT, **Teman NR**, Ailawadi G. Novel oral anticoagulant use for atrial fibrillation and bioprosthetic valves following cardiac surgery. 99<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; May 4-7, 2019; Toronto, Canada.
48. Krebs ED, Hawkins RB, Beller JP, Mehaffey JH, Chancellor WZ, **Teman NR**, Ailawadi G, Yarboro LT. Objective measure of learning curves for trainees in cardiac surgery. 99<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; May 4-7, 2019; Toronto, Canada.

49. Dahl JJ, Krebs ED, Hawkins RB, Mehaffey JH, Downs EA, **Temam NR**, Hulse MC, Thiele RH, Singh KE, Yount KW. Performing cardiac surgery during the parenteral opioid shortage – Can enhanced recovery after surgery ease the pain? 99<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; May 4-7, 2019; Toronto, Canada.
50. Narahari AK, Cook IO, Mehaffey JH, Hawkins RB, Chandrabhatla AS, Tribble CG, Kron IL, **Temam NR**, Roeser ME, Ailawadi G. Comprehensive NIH-funding analysis for 30 years of academic cardiac surgeons. 99<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; May 4-7, 2019; Toronto, Canada.
51. Krebs ED, Beller JP, Mehaffey JH, **Temam NR**, Kennedy JL, Ailawadi G, Yarboro LT. How big is too big? An analysis of morbidly obese heart donors in the UNOS database. International Society for Heart and Lung Transplantation 39<sup>th</sup> Annual Meeting; April 3-6, 2019; Orlando, FL.
52. Beller JP, Tyerman Z, Mehaffey JH, Hawkins RB, Charles EJ, Yarboro LT, **Temam NR**, Mehta N, Wancheck TN, Ailawadi G. Early vs delayed pacemaker implantation for heart block following aortic valve replacement: A cost-effectiveness analysis. Society of Thoracic Surgeons 55<sup>th</sup> Annual Meeting; January 27-29, 2019; San Diego, CA.
53. Chancellor WZ, Mehaffey JH, Beller JP, Hawkins RB, Speir AM, Yarboro LT, **Temam NR**, Ailawadi G. Impact of tricuspid regurgitation with and without intervention during surgical aortic valve replacement. Society of Thoracic Surgeons 55<sup>th</sup> Annual Meeting; January 27-29, 2019; San Diego, CA.
54. Tyerman ZM, Mehaffey JH, Hawkins RB, Yarboro L, Ailawadi G, **Temam NR**. Novel preoperative huddle email improves perioperative efficiency. Southern Thoracic Surgical Association 65<sup>th</sup> Annual Meeting; November 7-10, 2018; Amelia Island, FL.
55. Krebs ED, Mehaffey JH, Hawkins RB, Beller JP, Fonner C, Kiser A, Joseph M, Yarboro L, **Temam NR**, Ailawadi G. Outcomes after acute type A aortic dissection in patients with prior cardiac surgery. Southern Thoracic Surgical Association 65<sup>th</sup> Annual Meeting; November 7-10, 2018; Amelia Island, FL.
56. Narahari AK, Mehaffey JH, Chandrabhatla AS, Baderdinni PS, Weiderhold A, Hawkins RB, Roeser M, Kron IL, Yarboro L, Ailawadi G, **Temam NR**. A 40-year analysis of NIH-funded cardiac transplantation research: Surgeons lead the way. Southern Thoracic Surgical Association 65<sup>th</sup> Annual Meeting; November 7-10, 2018; Amelia Island, FL.
57. Tyerman Z, Mehaffey JH, Hawkins RB, Quader M, Rich J, Speir AM, **Temam NR**, Ailawadi G. Decreasing use of off-pump coronary artery bypass grafting. Is there still a role? American College of Surgeons Clinical Congress; October 21-25, 2018; Boston, MA.

58. Hawkins RB, Mehaffey JH, Smith JG, Charles EJ, Ailawadi G, Kern JA, Yarboro LT, Wanchek TN, **Teman NR**. Cost-effectiveness of a negative pressure incision management system in cardiac surgery. American College of Surgeons Clinical Congress; October 21-25, 2018; Boston, MA.
59. Krebs ED, Chancellor WZ, Beller JP, Mehaffey JH, Hawkins RB, Yarboro LT, Ailawadi G, **Teman NR**. Long-term implications of tracheostomy in cardiac surgery patients. American College of Surgeons Clinical Congress; October 21-25, 2018; Boston, MA.
60. Chancellor WZ, Mehaffey JH, Beller JP, Krebs ED, Yount K, Hawkins RB, Fonner C, Speir AM, Quader MA, Rich JB, Yarboro LT, **Teman NR**, Ailawadi G. Should emergent and emergent salvage operations be included in hospital STS outcomes? Western Thoracic Surgical Association 44<sup>th</sup> Annual Meeting; June 27-30, 2018; Goleta, CA.
61. Beller JP, Chancellor WZ, Mehaffey JH, Hawkins RB, Fonner CE, Speir AM, Quader MA, Rich JB, Yarboro LT, **Teman NR**, Ailawadi G. Impact of transfer status on real world outcomes in cardiac surgery. Western Thoracic Surgical Association 44<sup>th</sup> Annual Meeting; June 27-30, 2018; Goleta, CA.
62. Krebs ED, Hawkins RB, Mehaffey JH, Fonner CE, Speir AM, Quader MA, Rich JB, Yarboro LT, **Teman NR**, Ailawadi G. Is routine extubation overnight safe in cardiac surgery patients? 98<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 28-May 1, 2018; San Diego, CA.
63. Mehaffey JH, Hawkins RB, Charles EJ, Kern JA, **Teman NR**, Kron IL, Yarboro LT, Ailawadi G. Need for permanent pacemaker after aortic valve replacement reduces long-term survival: Implications for transcatheter aortic valve replacement. Society of Thoracic Surgeons 54<sup>th</sup> Annual Meeting; January 27-31, 2018; Fort Lauderdale, FL.
64. Scally C, **Teman N**, Sandhu G, Minter RM. Demystifying how resident entrustment occurs in the operating room. Frederick A. Coller Surgical Society; October 16-19, 2014; Branson, MO.
65. **Teman NR**, Demos DS, Reames BN, Pagani FD, Haft JW. Outcomes following transfer to a tertiary center for postcardiotomy cardiopulmonary failure. Society of Thoracic Surgeons 50<sup>th</sup> Annual Meeting; January 25-29, 2014; Orlando, FL.
66. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Effect of delaying surgery for esophageal cancer on post-operative morbidity and mortality. American College of Surgeons Clinical Congress; October 6-10, 2013; Washington, DC.

67. Demos DS, **Teman NR**, Baldrige P, Mowry J, Bartlett RH, Haft JW. The primary caregiver model: A novel approach to the care of patients on extracorporeal life support. ASAIO 59<sup>th</sup> Annual Conference; June 12-15, 2013; Chicago, IL.
68. Bryner BS, Cooley E, Copenhaver W, Brierley K, **Teman NR**, Rycus P, Hemmila M, Napolitano LM, Haft JW, Park PK, Bartlett RH. Two decades' experience with inter-facility transport on extracorporeal life support. ASAIO 59<sup>th</sup> Annual Conference; June 12-15, 2013; Chicago, IL.
69. **Teman NR**, Demos DS, Bryner BS, Faliks B, Fracz EM, Mazur DE, Rojas-Pena A, Bartlett RH, Haft JW. In vivo testing of a novel blood pump for short-term extracorporeal life support. International Society for Heart and Lung Transplantation 33rd Annual Meeting and Scientific Sessions; April 24-27, 2013; Montreal, Canada.
70. **Teman NR**, Gauger PG, Mullan PB, Tarpley JL, Minter RM. Entrustable professional activities in the operating room: Findings of a national survey identifying factors impacting resident autonomy. 2013 Surgical Education Week; April 23-27, 2013; Orlando, FL.
71. **Teman NR**, Minter RM, Kasten SJ. Utility of factor analysis in optimization of resident assessment and faculty evaluation. 2013 Surgical Education Week; April 23-27, 2013; Orlando, FL.
72. Delavari N, **Teman NR**, Romano MA, Prager RL, Yang B, Haft JW. Effects of autologous priming on blood conservation after cardiac surgery. Association of VA Surgeons 2013 Meeting; April 21-23, 2013; Milwaukee, WI.
73. Demos DS, Bryner BS, **Teman NR**, Gray B, Colturi D, Fracz EM, Mazur DE, Bartlett RH, Pelletier S, Rojas-Pena A, Punch J. Extracorporeal support-assisted donation in a non-anticoagulated porcine model of DCD using thrombolytics to improve organ resuscitation. 6<sup>th</sup> International Conference on Organ Donation After Circulatory Death; February 7-9, 2013; Paris, France.
74. Reames BN, Scally CP, **Teman NR**, Gauger PG. Outcomes of a PGY-1 clinical coverage scheme intended to minimize night float activity and maximally preserve operative experience. Academic Surgical Congress; February 5-7, 2013; New Orleans, LA.
75. Meza J, **Teman NR**, Reddy RM. Using social media to recruit future cardiothoracic surgeons. Academic Surgical Congress; February 5-7, 2013; New Orleans, LA.
76. **Teman NR**, Peterson MD, Russo MJ, Ehrlich MP, Myrmel T, Upchurch GR, Greason K, Fillinger M, Forteza A, Deeb GM, Montgomery DG, Eagle KA, Isselbacher EM, Nienaber CA, Patel HJ. Outcomes of patients presenting with acute type A aortic dissection in the setting of prior cardiac surgery: An analysis from the International Registry of Acute Aortic

Dissection. American Heart Association Scientific Sessions 2012; November 3-7, 2012; Los Angeles, CA.

77. **Teman NR**, Gauger PG, Mullan PB, Minter RM. Entrustment of general surgery residents in the operating room: Factors that contribute to resident autonomy. Frederick A. Collier Surgical Society Annual Meeting; September 20-23, 2012; Annapolis, MD.
78. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Thromboembolic events prior to esophagectomy for locally advanced esophageal cancer do not result in worse outcomes. Michigan Chapter of the American College of Surgeons 59<sup>th</sup> Annual Meeting; May 16-18, 2012; Traverse City, MI.
79. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Thromboembolic events during neoadjuvant treatment of esophageal cancer delay surgery without worsening outcomes. Society of Thoracic Surgeons 48<sup>th</sup> Annual Meeting; January 30-February 1, 2012; Fort Lauderdale, FL.
80. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Thromboembolic events during neoadjuvant treatment of esophageal cancer delay surgery without worsening outcomes. Frederick A. Collier Surgical Society Annual Meeting; October 20-23, 2011; Napa, CA.

## **POSTER PRESENTATIONS**

1. Wisniewski A, Challa S, Norman A, Young S, El Moheb M, Weber M, Noona S, Quader M, Mazzeffi M, Yount K, **Teman N**. Patient prosthesis mismatch in the mitral position. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
2. Li G, Wisniewski A, Strobel R, Dallas E, Yount K, Yarboro L, Kern J, **Teman N**, Beller J. Saving cells: Retrograde autologous priming reduces blood transfusions in cardiac surgery. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
3. Ahmad R, Strobel R, Young A, Wisniewski A, Norman A, **Teman N**. Can the fragility index end the debate of percutaneous coronary intervention versus coronary artery bypass grafting. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.
4. Norman A, Strobel R, Chernyavskiy P, Young A, Wisniewski A, Zhang A, Ahmad R, Scott E, Speir A, Joseph M, Quader M, Beller J, Yarboro L, Kern J, Yount K, **Teman N**. Racial disparities in surgical outcomes of acute type A aortic dissection. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery; April 27-30, 2024; Toronto, Canada.

5. Wisniewski A, Wang X, Viktorsson S, Rotar E, Strobel R, Young A, Norman A, Beller J, Quader M, Joseph M, Yarboro L, **Teman N**. Multi-institutional multivariable model to predict intensive care unit length of stay after cardiac surgery. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
6. Norman A, Challa S, Wisniewski A, Strobel R, Mazzeffi M, Joseph M, Tang D, Singh R, Kontos M, Quader M, Yount K, **Teman N**, Preventza O, Beller J. Impact of cooling strategies on transfusion requirements in aortic hemiarch surgery. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
7. Chandrabhatla A, Narahari A, Fronk E, Singh A, Gray K, Qiu K, Vasiliadis T, Nguyen J, **Teman N**, Kern J, Preventza O, Mehaffey J, Roeser M. Predictors of academic productivity in cardiac surgeons: Quality over quantity. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
8. Challa S, Wisniewski A, Strobel R, Mazzeffi M, Norman A, Kern J, Yarboro L, Yount K, **Teman N**. The earlier the better: The effect of ICU arrival timing on outcomes in elective cardiac surgery. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting; January 27-29, 2024; San Antonio, TX.
9. Chandrabhatla A, Twardus S, Narahari A, Beller J, Yarboro L, Yount K, Tribble C, Mehaffey J, Roeser M, Kern J, **Teman N**. Real-world experience with transcatheter pulmonary valve replacement: Analysis of the FDA manufacturer and user facility device experience (MAUDE) database. Southern Thoracic Surgical Association 70<sup>th</sup> Annual Meeting; November 2-5, 2023; Orlando, FL.
10. Wisniewski AM, Strobel R, Norman A, Young A, Quader M, Yount K, **Teman N**. Mitral valve repair in a regional collaborative: Respect or resect? 2023 AATS Mitral Conclave; May 4-5, 2023; New York, NY.
11. Wisniewski AM, Strobel R, Norman A, Young A, Quader M, **Teman N**, Yount K. Is tricuspid annuloplasty falling out of favor during mitral surgery? 2023 AATS Mitral Conclave; May 4-5, 2023; New York, NY.
12. Young S, Strobel R, Young A, Rotar E, Yount K, Kern J, Yarboro L, **Teman N**. The effect of diastolic arrest on outcomes in tricuspid valve surgery. 2023 AATS Mitral Conclave; May 4-5, 2023; New York, NY.
13. Young AM, Strobel RJ, Zhang A, Kaplan E, Ahmad R, Mehaffey JH, **Teman NR**. P2Y12 assay may be an effective tool for identifying patients at high risk of postoperative bleeding. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting; January 21-23, 2023; San Diego, CA.

14. Wisniewski A, Ailawadi G, Hawkins R, **Teman N**, Young S, Do-Nguyen C, Romano M. Impact of frailty in patients undergoing minimally invasive mitral valve surgery. 2022 AATS Mitral Conclave; May 13-14, 2022; Boston, MA.
15. Wisniewski AM, Young A, Strobel RJ, Wahl A, **Teman NR**, Yarboro LT. Immune response in heart transplant patients following COVID-19 vaccination. International Society for Heart and Lung Transplantation 42<sup>nd</sup> Annual Meeting and Scientific Sessions; April 27-30, 2022; Boston, MA.
16. Scott EJ, Wright WZ, Mehaffey JH, **Teman NR**, Roeser M. Lung transplantation in COVID-19 induced end stage lung disease. International Society for Heart and Lung Transplantation 42<sup>nd</sup> Annual Meeting and Scientific Sessions; April 27-30, 2022; Boston, MA.
17. Barnett MD, Lardieri GO, Malhi JK, Narrett JA, Aldridge CM, Ramcharitar RK, Mihalek AD, Kadl A, Mazimba S, Angle JF, Bell TD, Haskal Z, Sharma PS, **Teman NR**, Man LM, Khaja MS, Sharma AS. Impact of interhospital transfer on outcomes in acute pulmonary embolism. American College of Cardiology 2022 Annual Meeting; April 2-4, 2022; Washington, DC.
18. Lozano PR, Hegde S, **Teman N**, Dibbern M, Villines TC, Salerno M. A common cardiac tumor in an uncommon location: A diagnostic dilemma. American College of Cardiology 2022 Annual Meeting; April 2-4, 2022; Washington, DC.
19. Patel PD, Hawkins RB, Rotar EP, Keiler J, Yount KW, Yarboro LT, **Teman NR**. Pectoralis muscle area predicts frailty and risk-adjusted mortality after surgical aortic valve replacement. Society of Thoracic Surgeons 58<sup>th</sup> Annual Meeting; January 29-30, 2022; Virtual.
20. Strobel RJ, Mehaffey JH, Hawkins RB, Young A, Charles EJ, Scott E, Quader M, Dehmer GJ, Joseph M, Ailawadi G, Kron IL, Ragosta M, Yarboro L, **Teman NR**. Socioeconomic distress is associated with preference for PCI over CABG. Society of Thoracic Surgeons 58<sup>th</sup> Annual Meeting; January 29-30, 2022; Virtual.
21. Strobel RJ, Mehaffey JH, Hawkins RB, Young A, Quader M, Dehmer GJ, Joseph M, **Teman NR**, Yarboro L, Likosky DS, Badhwar V, Kron I, Ailawadi G. Appropriateness of surgical aortic valve replacement for severe aortic stenosis is increasing. Society of Thoracic Surgeons 58<sup>th</sup> Annual Meeting; January 29-30, 2022; Virtual.
22. Scott EJ, DeGuzman J, Ratcliffe SJ, Mehaffey JH, Hawkins RB, Strobel RJ, Speir A, Joseph M, Yarboro LT, **Teman NR**. Temporal cluster analysis of deep sternal wound infection in a regional quality collaborative. Southern Thoracic Surgical Association 68<sup>th</sup> Annual Meeting; November 3-6, 2021; Atlanta, GA.

23. Scott EJ, Murthy S, Wisniewski A, Mehaffey JH, Hawkins RB, Enfield K, Kadl A, Yarboro LT, Yount K, **Teman NR**. Extracorporeal membrane oxygenation use in severe COVID pneumonia. Southern Thoracic Surgical Association 68<sup>th</sup> Annual Meeting; November 3-6, 2021; Atlanta, GA.
24. Peruri A, Kadl A, Ennen C, Wilkins L, Ramcharitar R, **Teman N**, Sharma A, Mihalek A, Man, L. Management of clot in transit in a postpartum COVID-19 patient. International Society on Thrombosis and Haemostasis 2021 Congress; July 17-21, 2021; Virtual.
25. Mehaffey JH, Hawkins RB, Charles EJ, Speir AM, Quader MA, Ailawadi G, **Teman NR**. Minimal invasive versus conventional coronary artery bypass grafting: A multi-institutional assessment of cost and outcomes. Southern Thoracic Surgical Association 66<sup>th</sup> Annual Meeting; November 6-9, 2019; Marco Island, FL.
26. Byler MR, Beller JP, Chancellor WZ, Hawkins RB, Mehaffey JH, **Teman NR**, Kron IL, Yarboro LT, Ailawadi G. Tricuspid annuloplasty with edge-to-edge repair is effective for severe tricuspid regurgitation. Southern Thoracic Surgical Association 66<sup>th</sup> Annual Meeting; November 6-9, 2019; Marco Island, FL.
27. Rrapo Kaso E, Salerno M, Kennedy J, Mazimba S, Kadl A, Mihalek A, Haskal Z, **Teman N**, Sharma A. Venoarterial extracorporeal membrane oxygenation for acute massive pulmonary embolism: A systematic review and pooled analysis. Society of Vascular Medicine 30<sup>th</sup> Annual Scientific Sessions; May 29 – June 1, 2019; McLean, VA.
28. Mehaffey JH, Hawkins RB, Charles EJ, Kron IL, Ailawadi G, Yarboro LT, Kern JA, Kozower B, **Teman NR**. One-year patient-reported outcomes are adversely affected by postoperative complications. Society of Thoracic Surgeons 55<sup>th</sup> Annual Meeting; January 27-29, 2019; San Diego, CA.
29. Beller JP, Chancellor WZ, Mehaffey JH, Hawkins RB, Krebs ED, Speir AM, Yarboro LT, Ailawadi G, **Teman, NR**. Outcomes of nonelective coronary artery bypass grafting performed on weekends. Society of Thoracic Surgeons 55<sup>th</sup> Annual Meeting; January 27-29, 2019; San Diego, CA.
30. Krebs ED, Cook Armstrong I, Beller JP, Mehaffey JH, Hawkins RB, Yarboro LT, **Teman NR**, Ailawadi G. Novel oral anticoagulants vs warfarin following bioprosthetic aortic valve replacement. Society of Thoracic Surgeons 55<sup>th</sup> Annual Meeting; January 27-29, 2019; San Diego, CA.
31. Beller JP, Chancellor WZ, Mehaffey JH, Hawkins RB, Speir AM, Quader MA, Yarboro LT, Ailawadi G, **Teman NR**. Limited impact of ACC/AHA guidelines on dual antiplatelet use following coronary artery bypass grafting in acute myocardial infarction. American Heart Association Scientific Sessions 2018; November 10-12, 2018; Chicago, IL.

32. Tyerman ZM, Mehaffey JH, Hawkins RB, Chancellor WZ, **Teman NR**, Yarboro L, Ailawadi G. Mental illness is independently associated with major morbidity and mortality after cardiac surgery. American Heart Association Scientific Sessions 2018; November 10-12, 2018; Chicago, IL.
33. Beller JP, Chancellor WZ, Krebs ED, Mehaffey JH, Hawkins RB, **Teman NR**, Ailawadi G, Yarboro LT. Percutaneous endoscopic gastrostomy after cardiac surgery: A temporary measure in a high-risk cohort. American College of Surgeons Clinical Congress; October 21-25, 2018; Boston, MA.
34. Cullen J, Mehaffey J, Hawkins R, Fonner C, Kron IL, Kern JA, Speir A, Rich J, Quader M, Ailawadi G, **Teman N**, Yarboro L. Travel time does not adversely affect outcomes after ventricular assist device. International Society for Heart and Lung Transplantation 38<sup>th</sup> Annual Meeting; April 11-14, 2018; Nice, France.
35. **Teman NR**, Hawkins R, Guo A, Mehaffey JH, Fonner C, Speir A, Rich J, Quader M, Ailawadi G, Yarboro L. Postoperative atrial fibrillation after left ventricular assist device placement increases morbidity and resource utilization. AATS 2017 Annual Meeting; April 29-May 3, 2017; Boston, MA.
36. **Teman NR**, Wu AH, Masood M, Romano MA, Koelling TM, Aaronson KD, Pagani FD, Haft JW. Routine use of donor heart De Vega tricuspid annuloplasty in orthotopic heart transplantation. International Society for Heart and Lung Transplantation 35<sup>th</sup> Annual Meeting and Scientific Sessions; April 15-18, 2015; Nice, France.
37. Bryner BS, Cooley E, Copenhaver W, Brierley K, **Teman NR**, Rycus P, Hemmila M, Napolitano LM, Haft JW, Park PK, Bartlett RH. Two decades' experience with inter-facility transport on extracorporeal life support. 24<sup>th</sup> Annual Extracorporeal Life Support Organization Conference; September 19-22, 2013; Philadelphia, PA.
38. **Teman NR**, Minter RM, Kasten SJ. Utility of factor analysis in optimization of resident assessment and faculty evaluation. University of Michigan Medical Education Day; June 4, 2013; Ann Arbor, MI.
39. **Teman NR**, Reames BN, Scally CP, Minter RM, Gauger PG. Effect of ACGME work hour restrictions on intern operative experience, clinical evaluations, and confidence. University of Michigan Medical Education Day; June 4, 2013; Ann Arbor, MI.
40. **Teman NR**, Huffman LC, Krajacic M, Pagani FD, Prager RL, Haft JW, Patel HJ, Bolling SF. Prophylactic tricuspid repair surgery for functional tricuspid regurgitation. 2013 AATS Mitral Conclave; May 2-3, 2013; New York, NY.
41. **Teman NR**, Pagani FD, Romano MA, Bolling SF. Long-term survival differential of mitral valve annuloplasty for ischemic vs. non-ischemic functional mitral regurgitation using a rigid reshaping ring. 2013 AATS Mitral Conclave; May 2-3, 2013; New York, NY.

42. **Teman NR**, Thomas J, Bryner BS, Haas CF, Napolitano LM, Haft JW, Lowell MJ, Park PK. Nitric oxide improves oxygenation and can be used to safely transport critically ill patients with severe hypoxemia. Moses Gunn Research Conference; April 24, 2013; Ann Arbor, MI.
43. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Delaying surgery for esophageal cancer increases post-operative complications. Moses Gunn Research Conference; April 24, 2013; Ann Arbor, MI.
44. **Teman NR**, Reames BN, Scally CP, Minter RM, Gauger PG. Effect of ACGME work hour restrictions on intern operative experience, clinical evaluations, and confidence. 2013 Surgical Education Week; April 23-27, 2013; Orlando, FL.
45. Demos DS, **Teman NR**, Gray B, Colturi D, Bartlett RH, Rojas-Pena A, Punch J. Aortic occlusion during extracorporeal support assisted organ perfusion in donors after cardiac death prevents cerebral reperfusion. 6<sup>th</sup> International Conference on Organ Donation After Circulatory Death; February 7-9, 2013; Paris, France.
46. **Teman NR**, Thomas J, Bryner BS, Haas CF, Napolitano LM, Haft JW, Lowell MJ, Park PK. Nitric oxide improves oxygenation and can be used to safely transport critically ill patients with severe hypoxemia. Society of Critical Care Medicine's 42<sup>nd</sup> Critical Care Congress; January 19-23, 2013; San Juan, Puerto Rico.
47. Demos DS, **Teman NR**, Fracz EM, Gray B, Colturi D, Mazur DE, Rojas-Pena A, Punch J, Bartlett RH. Development of an automated perfusion system for organ resuscitation and perfusion. ASAIO 58<sup>th</sup> Annual Conference; June 13-16, 2012; San Francisco, CA.
48. Demos DS, **Teman NR**, Gray B, Colturi D, Bartlett RH, Rojas-Pena A, Punch J. Aortic occlusion during extracorporeal assisted organ perfusion in donors after cardiac death prevents cerebral perfusion. ASAIO 58<sup>th</sup> Annual Conference; June 13-16, 2012; San Francisco, CA.
49. **Teman NR**, Demos DS, Faliks B, Fracz EM, Mazur DE, Rojas-Pena A, Bartlett RH, Haft JW. The addition of suction augments flow in a novel cardiac support device. ASAIO 58<sup>th</sup> Annual Conference; June 13-16, 2012; San Francisco, CA.
50. **Teman NR**, Gauger PG, Mullan PB, Minter RM. Entrustment of General Surgery residents in the operating room: Factors affecting faculty decisions regarding resident autonomy. University of Michigan Medical Education Day, June 5<sup>th</sup>, 2012; Ann Arbor, MI.
51. **Teman NR**, Demos DS, Faliks B, Fracz EM, Mazur DE, Rojas-Pena A, Bartlett RH, Haft JW. The addition of suction augments flow in a novel cardiac support device. Moses Gunn Research Conference; April 19, 2012; Ann Arbor, MI.
52. Patel HJ, Myrmel T, Fattori R, Montgomery DG, Greason K, Pape L, Hughes GC, Peterson M, Trimarchi S, Deeb GM, **Teman NR**, Isselbacher EM, Nienaber CA, Eagle KA, Froehlich JB. Acute

renal failure and its early and late implications in acute aortic dissection: The IRAD experience. American College of Cardiology Annual Scientific Session; March 24-27, 2012; Chicago, IL.

53. **Teman NR**, Silski L, Zhao L, Kober M, Urba SC, Orringer MB, Chang AC, Lin J, Reddy RM. Thromboembolic events during neoadjuvant treatment of esophageal cancer delay surgery without worsening outcomes. Moses Gunn Research Conference; May 12, 2011; Ann Arbor, MI.

### **INVITED LECTURES**

1. Perioperative care session: Thoracic and cardiac challenging cases. Teeter E and **Teman N**, moderators. 104<sup>th</sup> Annual Meeting of the American Association for Thoracic Surgery. Toronto, Canada; April 27-30, 2024.
2. Failure to rescue (FTR): Definition, measurement, causes, relationship to STS quality metrics, and how to improve your institution's FTR. Baciewicz F and **Teman N**, moderators. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting. San Antonio, TX; January 27-29, 2024.
3. Beyond ECMO: The shock team and mechanical circulatory support in the cardiothoracic ICU. Milewski R, Javidfar J, and **Teman N**, moderators. Society of Thoracic Surgeons 60<sup>th</sup> Annual Meeting. San Antonio, TX; January 27-29, 2024.
4. Multiple topics. Invited Visiting Professor, National Heart Hospital, Lusaka, Zambia. February 25-March 5, 2023.
5. Venovenous ECMO. University of Virginia Critical Care Grand Rounds. Charlottesville, VA; February 9, 2023.
6. Project/Team Management. Thoracic Surgery Residents Association Luncheon. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting. San Diego, CA; January 21-23, 2023.
7. Controversies in cardiac surgical ICU staffing. **Teman N** and Abernathy J, moderators. Society of Thoracic Surgeons 59<sup>th</sup> Annual Meeting. San Diego, CA; January 21-23, 2023.
8. Albumin use in cardiac surgery: Is it SAFE? Society of Thoracic Surgeons 19<sup>th</sup> Annual Perioperative and Critical Care Conference. Denver, CO; September 9, 2022.
9. Year in review: Best topics in cardiac and critical care medicine in 2021. Arora RC and **Teman NR**, moderators. Society of Thoracic Surgeons 19<sup>th</sup> Annual Perioperative and Critical Care Conference. Denver, CO; September 9, 2022.
10. Acute kidney injury: A case study. Virginia Cardiac Services Quality Initiative Quarterly Meeting. Virtual; December 9, 2021.

11. Two cases of pulmonary embolism management. South Atlantic Cardiovascular Society Annual Meeting. Charleston, SC; July 16, 2021.
12. Optimizing outcomes in ECPR. 101st Annual Meeting of the American Association for Thoracic Surgery. Virtual; April 30-May 2, 2021.
13. ECMO management. John Muir Health Cardiovascular Surgery Grand Rounds. Virtual; June 30, 2020.
14. Respiratory failure and ECMO in COVID-19. University of Virginia, Department of Surgery Grand Rounds. Charlottesville, VA; March 25, 2020.
15. ECMO: More than a big dialysis line. University of Virginia, Division of Nephrology Grand Rounds. Charlottesville, VA; January 21, 2020.
16. Thoracic and cardiovascular critical care and the multidisciplinary approach to acute cardiovascular emergencies at UVA. Muller-Jones Surgical Society Biennial Meeting. Charlottesville, VA; April 6, 2019.
17. Hybrid approach to cardiovascular disease: The future of cardiac surgery? University of Virginia, Division of Cardiology Grand Rounds. Charlottesville, VA; December 3, 2018.
18. ECMO in non-cardiac disease. South Atlantic Cardiovascular Society Annual Meeting. Charleston, SC; July 20, 2018.
19. If I only had a heart: A history of cardiac surgery and mechanical circulatory support. University of Michigan, Department of Surgery Grand Rounds. Ann Arbor, MI; June 4, 2015.