

## EDUCATIONAL HISTORY

Sri Ramachandra University, Chennai, India	MBBS (MD equivalent)	2001-2008	Medicine & Surgery
Sri Ramachandra University, Chennai, India	Internship	2006-2007	Medicine & Surgery
Massachusetts Institute of Technology, Boston, MA	Certification	2009	Combating Pandemics and Bioterrorism
The Ohio State University Wexner Medical Centre, Columbus, Ohio	Post-Doc	2009-2014	Cardiovascular medicine and CT Surgery
Harvard Medical School, Boston-MA	Certification	2019-2020	Global Clinical Scholars Research Training Program

## RESEARCH APPOINTMENTS

2007-2008	Research Assistant/Medical Officer in Pulmonology, Sri Ramachandra University, Chennai, India.
2007-2009	Surgical Assistant, Urology, Stanley Medical College, Chennai, India.
2008-2009	Medical Officer, Reginal Nursing Home, Chennai, India.
02/09-06/09	General Surgical Observer, Case Western Reserve University School of Medicine, Cleveland, Ohio, USA.
07/2009-11/2012	Postdoctoral Fellow with Dr. Periannan Kuppusamy in Internal Medicine and Small Animal Imaging and Dr. C.B Sai-Sudhakar, Department of Cardiothoracic Surgery, The Ohio State University College of Medicine, Davis Heart and Lung Research Institute, Columbus, Ohio.
11/12-06/14	Research Associate with Dr. Periannan Kuppusamy in Internal Medicine and Small Animal Imaging and Dr. C.B Sai-Sudhakar, Department of Cardiothoracic Surgery, The Ohio State University College of Medicine, Davis Heart and Lung Research Institute, Columbus, Ohio.

10/14-07/16	Research Associate with Dr. C.B Sai-Sudhakar, Department of Cardiothoracic Surgery, The Ohio State University College of Medicine, Davis Heart and Lung Research Institute, Columbus, Ohio.
11/16-01/19	Research Associate in Department of Microbiology, Sri Ramachandra University, Chennai, India.
02/19-07/2021	Research Assistant Professor of Cardiac Surgery, University of Tennessee Health Science Centre, Memphis, TN.
07/2021-present	Assistant Professor of Basic Sciences, University of Connecticut Health Centre, Farmington, CT.

#### HONORS AND AWARDS

2010	Travel Award Davis Heart and Lung Research Institute, Columbus, Ohio
2015	Travel Award, Baylor Scott & White Memorial Hospital, Temple, Texas
2016	Travel Award, Baylor Scott & White Memorial Hospital, Temple, Texas

#### OTHER PROFESSIONAL EXPERIENCE

2010-2012	Judge for DHLRI Research Day at The Ohio State University, Columbus, Ohio.
2010	Invited Reviewer: Journal of Cellular Biochemistry and Biophysics
2014	Invited Reviewer: Global Heart
2014-2016	Heart Transplant Selection Committee, Baylor Scott & White, Temple-Tx
2014-2016	CT Surgery Faculty Interview Committee, Baylor Scott & White, Temple-Tx
2016-present	Invited abstract Reviewer for Annual Meetings of the International Society of Heart and Lung Transplantation
2015-2019	Invited Reviewer Plos One
2018-2021	Editorial Board Member SEJ Cardiology and Experimental studies- Scientific Exhelters 2001-2003      Chair, Biomedical Research Infrastructure Network of New Mexico, Science Core
2018-present	Editorial Board Member International journal of innovative surgery
2018-present	Editorial Board Member for the Clinics of Surgery
2023-present	Editorial Board Member/ Review Editor- Frontiers of Cardiovascular Science Reviewer, NIH SEP, Vaccine Biodefense

2000-2005	Reviewer, NIH SEP, Biodefense, Bioterrorism & Emerging Infectious Diseases
2016-present	Reviewer for American Heart Association- Surgical Sciences Study Section
2023	Reviewer for the National Institute of Health -RIBT Study Section
2023	Reviewer for the National Institute of Health-MPAA Study Section

### SPECIALIZED TRAINING AND CLEARANCES

2021	<u>To present:</u> DOJ Select Agent Clearance through UTHSC
2023	IRB- Human Subject Research Determinations Institutional Review Board – Submission of Materials

### PERSONAL STATEMENT

As a physician-scientist with a strong background in cardiovascular medicine and research, my work encompasses both basic and translational research, focusing on heart failure, small animal imaging, cardiac inflammation, and heart transplant. **My research is focused on Bridging Cardiovascular Biology and Immune Function through Innovation in Cardiac Injury, Coronary stents, and COVID-19 Research.** I have engaged in basic, clinical and translational research related to advanced heart failure and its complications. I have experience designing and conducting projects using in-vitro molecular biology techniques, small animal models, echocardiography of small animals and a variety of other molecular biology techniques and in vivo experiments. In addition, I have experience and expertise in clinical outcomes research and clinical trials recruitment, monitoring and data management.

My research aims to explore the nexus between cardiovascular biology and immune function, with a special emphasis on the impact of inflammation and its role in cardiac injury, heart failure, coronary stents and cardiac dysfunction secondary to SARS-CoV-2.

Inflammation is known to be a key player in CVD, with leukocytes (such as neutrophils & macrophages) & their products, central to cardiac inflammation & fibrosis. Recently extracellular traps (ET), which are toxic extracellular DNA released from dying leukocytes (e.g. neutrophils ET (NETs) & monocyte/macrophages ET (METs)), have been demonstrated to trigger/amplify inflammation in several sterile inflammatory reactions in vivo, including atherosclerosis & heart disease. My research in toxic extracellular DNA in cardiac injury and coronary stents sheds light on the role of extracellular traps in cardiovascular diseases, offering novel avenues for targeted therapies, biomarkers and novel drug delivery.

I have applied my skills to address the multifaceted challenges posed by the pandemic and have focused on understanding the molecular mechanisms involved in cardiovascular implications of COVID-19 infection in a hamster model of SARS-CoV-2 using small animal imaging, histopathology and molecular biology, in addition to evaluating the potential long-term effects on cardiac health. My involvement in heart transplant research underscores my commitment to advancing patient care and outcomes in this critical area of medicine.

Throughout my career, I have actively engaged in mentoring medical students, residents, and post-doctoral fellows, guiding them through their educational and professional journeys. From my tenure at the UConn Health Centre to my involvement with institutions such as the University of Tennessee Health Science Centre, Virginia Commonwealth University, and University of Puerto Rico, I have

demonstrated a commitment to nurturing talent and fostering a culture of excellence in research and clinical practice.

Furthermore, my involvement in NIH study sections and my expertise in navigating regulatory protocols related to human and animal subjects underscore my proficiency in program management and compliance. I am adept at developing and implementing policies and procedures that uphold the highest standards of ethical conduct and ensure regulatory compliance.

In summary, my multidimensional skill set, encompassing teaching, mentoring, program management, and regulatory compliance, uniquely positions me to excel to foster impactful science in a collaborative manner.

## PUBLICATIONS

### Peer-reviewed publications (in chronological order).

1. Selvendiran K, Ahmed S, Dayton A, Ravi Y, Kuppusamy ML, Bratasz A, Rivera BK, Kálai T, Hideg K, Kuppusamy P. HO-3867, a synthetic compound, inhibits the migration and invasion of ovarian carcinoma cells through downregulation of fatty acid synthase and focal adhesion kinase. *Molecular Cancer Research*. 2010;8:1188-1197.
2. Selvendiran K, Tong L, Bratasz A, Kuppusamy ML, Ahmed S, Ravi Y, Trigg NJ, Rivera BK, Kálai T, Hideg K. Anticancer efficacy of a difluorodiarylidene piperidone (HO-3867) in human ovarian cancer cells and tumor xenografts. *Molecular cancer therapeutics*. 2010;9:1169-1179.
3. Asbahi M, Tripathi R, Abel E, Ravi Y, Sai-Sudhakar C, Kothari D. 872: Case Report of Splenic Rupture in Two Patients with Left Ventricular Assist Devices and Bacteremia *Critical Care Medicine*. 2011;39:245.
4. Ravi Y, Firstenberg M, Crestanello J, Sai Sudhakar CB. Mechanical circulatory support for the visually impaired: is it appropriate? *Expert Review of Medical Devices*. 2011;8:155-157.
5. Brewer RJ, Lanfear DE, Sai-Sudhakar CB, Sundareswaran KS, Ravi Y, Farrar DJ, Slaughter MS. Extremes of body mass index do not impact mid-term survival after continuous-flow left ventricular assist device implantation. *The Journal of heart and lung transplantation*. 2012;31:167-172.
6. Boudoulas KD, Ravi Y, Garcia D, Saini U, Sofowora GG, Gumina RJ, Sai-Sudhakar CB. Type of valvular heart disease requiring surgery in the 21st century: mortality and length-of-stay related to surgery. *The open cardiovascular medicine journal*. 2013;7:104.
7. Emani S, Brewer RJ, John R, Slaughter MS, Lanfear DE, Ravi Y, Sundareswaran KS, Farrar DJ, Sai-Sudhakar CB. Patients with low compared with high body mass index gain more weight after implantation of a continuous-flow left ventricular assist device. *The Journal of Heart and Lung Transplantation*. 2013;32:31-35.
8. Ravi Y, Selvendiran K, Meduru S, Citro L, Naidu S, Khan M, Rivera BK, Sai-Sudhakar CB, Kuppusamy P. Dysregulation of PTEN in cardiopulmonary vascular remodeling induced by pulmonary hypertension. *Cell biochemistry and biophysics*. 2013;67:363-372.
9. Ravi Y, Selvendiran K, Naidu SK, Meduru S, Citro LA, Bognár B, Khan M, Kálai T, Hideg K, Kuppusamy P. Pulmonary hypertension secondary to left-heart failure involves peroxynitrite-induced downregulation of PTEN in the lung. *Hypertension*. 2013;61:593-601.
10. Ravi Y, Sudhakar EP, Nayak P, Sai-Sudhakar CB, Dean Boudoulas K. Biventricular Mechanical Circulatory Support Does Not Prevent Delayed Myocardial Ventricular Rupture following Myocardial Infarction. *Case Reports in Cardiology*. 2013;2013.

11. Boudoulas KD, Wolfe B, Ravi Y, Lilly S, Nagaraja H, Sai-Sudhakar C. the Aortic stenosis complex: Aortic valve, Atherosclerosis, Aorta. *Journal of the American College of Cardiology*. 2015;65:A1970-A1970.
12. Boudoulas KD, Wolfe B, Ravi Y, Lilly S, Nagaraja HN, Sai-Sudhakar CB. The aortic stenosis complex: aortic valve, atherosclerosis, aortopathy. *Journal of Cardiology*. 2015;65:377-382.
13. Boudoulas KD, Wolfe B, Ravi Y, Lilly SM, Nagaraja HN, Sai-Sudhakar CB. The aortic stenosis complex. *Journal of Cardiology*. 2015;65:377-382.
14. Whitson B, Ravi Y, Pope-Harman A, Kilic A, Tobias J, Sai-Sudhakar C, Higgins R, Hayes D. Elderly Lung Transplant Recipient Long-Term Survival Is Not Impacted By Donor Age. *The Journal of Heart and Lung Transplantation*. 2015;34:S245-S246.
15. Lella SK, Copeland LA, Sai-Sudhakar CB, Ravi Y. Recipient Working Status Leading to Heart Transplantation and Its Effect on Post-Transplant Survival—A UNOS Database Review. *Journal of Cardiac Failure*. 2016;22:S106.
16. Madias JE, Y-Hassan S, Ravi Y, Hughes L, Gore T, Woods J, Marynick SP. Reader comments. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
17. Ravi Y, Bansal S, Rosas PC, Mazzaferri Jr EL, Sai-Sudhakar CB. Surgical considerations for the explantation of the Parachute left ventricular partitioning device and the implantation of the HeartMate II left ventricular assist device. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
18. Ravi Y, Campagna R, Rosas PC, Essa E, Hasan AK, Higgins RS, Emani S, Sai-Sudhakar CB. Successful heart transplantation using a donor heart afflicted by takotsubo cardiomyopathy. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
19. Steinman H, Clever H, Dixon A, Salisbury D, Dahdah M, Driver S, Parsons T, Richter K, Mallett L, Govande V. Click here for an ePub version, optimized for mobile devices. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
20. Katsnelson J, Whitson BA, Tumin D, Ravi Y, Kilic A, Tobias JD, Sai-Sudhakar CB, Hayes Jr D. Lung transplantation with lungs from older donors: an analysis of survival in elderly recipients. *Journal of Surgical Research*. 2017;214:109-116.
21. Barani R, Ravi Y, Seshan V, Reju SB, Soundararajan P, Palani G, Srikanth P. Epstein-Barr Virus DNAemia and co-occurrence with cytomegalovirus DNAemia in postrenal transplant recipients from a tertiary care center. *Indian Journal of Transplantation*. 2018;12:95-102.
22. Srikanth P, Ravi Y, Mani S. Needle-stick injury: A perspective. *Journal of Patient Safety and Infection Control*. 2018;6:90-92.
23. Barani R, Seshan V, Ravi Y, Soundararajan P, Palani G, Srikanth P. Detection of cytomegalovirus disease by real-time quantitative PCR targeting immediate early gene (ppUL83) in different samples among post-renal-transplant recipients. *Indian journal of medical microbiology*. 2019;37:281-284.
24. Ravi Y, Sai-Sudhakar CB, Kuppusamy P. PTEN as a therapeutic target in pulmonary hypertension secondary to left-heart failure: effect of HO-3867 and supplemental oxygenation. *Cell Biochemistry and Biophysics*. 2021;79:593-607.
25. Xue Y, Yang D, Vogel P, Stabenow J, Zalduondo L, Kong Y, Ravi Y, Sai-Sudhakar CB, Parvathareddy J, Hayes E. Cardiopulmonary Injury in the Syrian Hamster model of COVID-19. *Viruses*. 2022;14:1403.
26. Dean M, Zoni CR, Copeland LA, Pickett C, Sudhakar CBS, Ravi Y. Retrospective analysis of the impact of pre-transplant implantable cardioverter-defibrillator status on long-term prognosis in heart transplant patients. *Clinical Transplantation*. 2023;37:e14842.

27. Zoni CR, D'Imperio H, Zapata G, Charask A, Macín SM, Costa YC, Ravi Y, Gagliardi J, Perna ER. Heart Failure at Admission Complicating ST-Elevation Myocardial Infarction in a Middle-Income Country. Experience of the ARGENT-STEMI Registry. *Current Problems in Cardiology*. 2024;49:102076.
28. Zoni CR, Dean M, Copeland LA, Silverman JR, Lemoine C, Mahajan A, Perna ER, Ravi Y, Sudhakar CBS. Relationship between donor ejection fraction, left ventricular wall thickness and mortality in heart transplants recipients. *Current Problems in Cardiology*. 2024:102463.
29. Narasaraju Teluguakula, PhD, Yazhini Ravi, Colleen B Jonsson, Vincent TK Cho: Lancet commentary Inprint 2023: Dexamethasone treatment in COVID-19 patients: Requirement of additional criteria- w (in print)
30. Yazhini Ravi, Colleen B. Jonsson, Yi Xue, Shannon L. Taylor, Cesar Rodrigo Zoni, Narasaraju Teluguakula, Matthew Dean, C B Sai-Sudhakar; Cardiac dysfunction and inflammation of the heart without direct infection in Golden Syrian hamsters infected with SARS-CoV-2 Delta. (in-review)

#### INVITED BOOK CHAPTERS AND REVIEW ARTICLES

1. Sai-Sudhakar CB; Ravi Y; Hasan A; Vesco P. LVADS and Cardiac Transplantation. 2010. In *Baliga Cardiology Review*. 1st ed. Edited by Ragavendra Baliga. Columbus, OH: McGraw-Hill.
2. Ravi Y; Sai-Sudhakar Artificial Heart,2010 - *Baliga-Cardiology Review*. Edited by Ragavendra Baliga. Columbus, OH: McGraw-Hill. [Book Chapter]
3. Vesco P; Ravi Y; Sai-Sudhakar CB. 2010. Surgery for Valvular Disease. In *Baliga Cardiology Review*. 1st ed. Edited by Ragavendra Baliga. Columbus, OH: McGraw-Hill. [Book Chapter]
4. Ravi Y; Sai-Sudhakar CB. Total Artificial Heart 2018: Color Atlas and synopsis of Heart Failure -Tata Mcgraw Hill

#### ABSTRACTS AND SHORT ENTRIES

1. Zoni CR, Dean M, Copeland L, Silverman J, Lemoine CD, Mahajan A, Sai Sudhakar C, Ravi Y. Relationship Between Donor Ejection Fraction and Left Ventricular Wall Thickness With Mortality Among Heart Transplants Recipients. *Circulation*. 2023;148:A18197-A18197.
2. Lemoine C, Copeland L, Silverman J, Dean M, Zoni C, Diaz FV, Raines T, Sai-Sudhakar C, Ravi Y. Is Recipient Survival Following Transplantation of Hearts from Substance Abuse Donors Impacted by Regional Variations? *The Journal of Heart and Lung Transplantation*. 2023;42:S286.
3. Diaz FDV, Dean M, Lemoine C, Copeland L, Silverman J, Zoni C, Raines T, Ravi Y, Sai-Sudhakar C. Donor Cause of Death and Ejection Fraction in Heart Transplant Recipients. *The Journal of Heart and Lung Transplantation*. 2023;42:S468.
4. Dean MR, Zoni R, Copeland L, Diaz FADV, Sudhakar CBS, Ravi Y. Pacemakers in Heart Transplant - A retrospective analysis of outcomes and clinical characteristics among recipients. *Journal of the American College of Cardiology*. 2023;81:683-683.
5. Dean M, Diaz FDV, Lemoine C, Copeland L, Silverman J, Raines T, Sai-Sudhakar C, Ravi Y, Zoni R. Left Ventricular Hypertrophy and Reduced Ejection Fraction in Donor Hearts-Contraindications to Transplantation. *The Journal of Heart and Lung*

- Transplantation*. 2023;42:S143-S144.
6. Zaver S, Zaver H, Copeland L, Raines T, Wan J, Dong L, Whitson B, Balasubramaniyan J, Emani S, Ravi Y. Improving Heart Transplant Outcomes in the African American Population? Are We There Yet? *The Journal of Heart and Lung Transplantation*. 2022;41:S56.
  7. Zaver S, Ravi Y, Copeland L, Zaver H, Raines T, Emani S, Dong L, Whitson B, Wan J, Sai-Sudhakar C. Education and Its Impact on Post-Heart Transplant Survival? *The Journal of Heart and Lung Transplantation*. 2022;41:S246.
  8. Xue Y, Yang D, Vogel P, Stabenow J, Zalduondo L, Kong Y, Ravi Y, Sai-Sudhakar CB, Parvathareddy J, Hayes E. Cardiopulmonary Injury in the Syrian Hamster model of COVID-19. *Viruses*. 2022;14:1403.
  9. Xue Y, Yang D, Vogel P, Stabenow J, Zalduondo L, Kong Y, Ravi Y, Sai-Sudhakar C, Parvathareddy J, Hayes E. Cardiopulmonary Injury in the Syrian Hamster Model of COVID-19. *Viruses* 2022, 14, 1403. In: s Note: MDPI stays neutral with regard to jurisdictional claims in published ...; 2022.
  10. Ravi Y, Zaver S, Raines T, Zaver H, Copeland L, Chinta V, Balasubramaniyan J, Emani S, Dong L, Wan J. Does Post-Heart Transplantation Placement of Permanent Pacemakers Affect Survival? *The Journal of Heart and Lung Transplantation*. 2022;41:S243.
  11. Ravi Y, Raines T, Copeland L, Zaver S, Zaver H, Vila M, Pacific M, Sai-Sudhakar C, Calderia C. Independent and Combined Effects of Age and COVID on Patient Outcomes. *The Journal of Heart and Lung Transplantation*. 2022;41:S271.
  12. Raines T, Ravi Y, Copeland L, Zaver S, Zaver H, Vila M, Pacific M, Caldeira C, Sai-Sudhakar C. Independent and Combined Effects of Obesity and COVID on Patient Outcomes. *The Journal of Heart and Lung Transplantation*. 2022;41:S488.
  13. Zaver S, Wan J, Lei D, Whitson B, Balasubramaniyan J, Emani S, Ravi Y, SaiSudhakar C. Improving Heart Transplant Outcomes in the African American Population? Are We There Yet? *The Journal of Heart and Lung Transplantation*. 2020;39:S237.
  14. Zaver S, Chinta V, Wan J, Lei D, Emani S, Sai-Sudhakar C, Ravi Y. Can Pre-Transplant Renal Function Predict Short-Term and Long-Term Post-Transplant Survival? *The Journal of Heart and Lung Transplantation*. 2020;39:S259-S260.
  15. Ravi Y, Zaver S, Emani S, Lei D, Whitson B, Wan J, Sai-Sudhakar C. Education and Its Impact on Post-Heart Transplant Survival. *The Journal of Heart and Lung Transplantation*. 2020;39:S291.
  16. Ravi Y, Chinta V, Zaver S, Balasubramaniyan J, Emani S, Lei D, Wan J, SaiSudhakar C. Do Post-Heart Transplant Placement of Permanent Pacemakers Affect Survival? *The Journal of Heart and Lung Transplantation*. 2020;39:S301-S302.
  17. Ravi Y, Srikanth N, Paul I, Whitson B, Emani S, Sai-Sudhakar C. Heart Transplant Recipient and Donor Age: Should the Younger Recipient Be Matched with the Younger Donor? *The Journal of Heart and Lung Transplantation*. 2019;38:S161-S162.
  18. Ravi Y, Stock E, Lella S, Balasubramaniyan J, Nikloidis L, Copeland L, Emani S, Sai-Sudhakar C. Does a History of Malignancy Affect Long-Term Survival in Heart Transplant Recipients? *The Journal of Heart and Lung Transplantation*. 2017;36:S226.
  19. Ravi Y, Stock E, Lella S, Balasubramaniyan J, Emani S, Sai-Sudhakar C. Does Distance from Donor Hospital Impact Survival in Heart Transplant Recipients? *The Journal of Heart and Lung Transplantation*. 2017;36:S43-S44.
  20. Ravi Y, Stock E, Lella S, Balasubramaniyan J, Copeland L, Emani S, Sai-Sudhakar C. Does functional status at listing and time of heart transplant influence survival in heart transplant recipients? *The Journal of Heart and Lung Transplantation*. 2017;36:S179.
  21. Lella S, Zolfaghari K, Copeland L, Sai-Sudhakar C, Ravi Y. The Effect of Donor Arginine Vasopressin Use within 24 Hours of Aortic Cross-Clamp on 1-Year Recipient Survival.

- The Journal of Heart and Lung Transplantation*. 2017;36:S302.
22. Lella S, Zolfaghari K, Copeland L, Sai-Sudhakar C, Ravi Y. The Effect of Donor Anticonvulsant Use within 24 Hours of Aortic Cross-Clamp on 1-Year Recipient Survival. *The Journal of Heart and Lung Transplantation*. 2017;36:S388.
  23. Katsnelson J, Whitson BA, Tumin D, Ravi Y, Kilic A, Tobias JD, Sai-Sudhakar CB, Hayes Jr D. Lung transplantation with lungs from older donors: an analysis of survival in elderly recipients. *Journal of Surgical Research*. 2017;214:109-116.
  24. Caddell B, Yelverton B, Tippet JC, Ravi Y, Sai-Sudhakar CB, Culp WC. Management of massive hemoptysis after pulmonary thromboembolism using a double bronchial blocker system. *Journal of Cardiothoracic and Vascular Anesthesia*. 2017;31:633-636.
  25. Steinman H, Clever H, Dixon A, Salisbury D, Dahdah M, Driver S, Parsons T, Richter K, Mallett L, Govande V. Click here for an ePub version, optimized for mobile devices. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
  26. Rosas P, Stock E, Amulraj E, Emani S, Scott R, Sai-Sudhakar C, Ravi Y. Does Pulmonary Hypertension Affect Survival after Heart Transplantation Based on Recipient Body Mass Index? *The Journal of Heart and Lung Transplantation*. 2016;35:S215.
  27. Ravi Y, Stock E, Rosas P, Whitson B, Amulraj E, Scott R, Emani S, Bansal S, Sai-Sudhakar C. The Obesity Epidemic and Its Effect on Donor Body Mass Index and Recipient Survival-A UNOS Database Review of Heart Transplantation. *The Journal of Heart and Lung Transplantation*. 2016;35:S115.
  28. Ravi Y, Stock E, Rosas P, Scott R, Amulraj E, Emani S, Sai-Sudhakar C. Changing Characteristics of Heart Transplant Donors and Their Effect on Recipient Mortality. *The Journal of Heart and Lung Transplantation*. 2016;35:S216.
  29. Ravi Y, Stock E, Rosas P, Hasan A, Nikolaidis L, Bansal S, Whitson B, Scott R, Sai-Sudhakar C. Immunosuppressant Regimen over Time and Their Association with Rejection, Graft Failure, and Mortality. *The Journal of Heart and Lung Transplantation*. 2016;35:S279.
  30. Ravi Y, Campagna R, Rosas PC, Essa E, Hasan AK, Higgins RS, Emani S, Sai-Sudhakar CB. Successful heart transplantation using a donor heart afflicted by takotsubo cardiomyopathy. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
  31. Ravi Y, Bansal S, Rosas PC, Mazzaferri Jr EL, Sai-Sudhakar CB. Surgical considerations for the explantation of the Parachute left ventricular partitioning device and the implantation of the HeartMate II left ventricular assist device. Paper/Poster presented at: Baylor University Medical Center Proceedings; 2016;
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  36. Ravi Y, Bansal S, Jeong K, Emani S, Whitson B, Tong C, Sai-Sudhakar C. Do Donor Lifestyle Choices and Polysubstance Abuse Affect Long Term Survival in Heart Transplant Recipients? *The Journal of Heart and Lung Transplantation*. 2015;34:S18.



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40. Aluganti Narasimhulu C, Nandave M, Bonilla D, Singaravelu J, Ravi Y, Parthasarathy S, Chittoor Bhaskar S-S. Circulating Platelet Aggregate Damages Endothelial Cells in Culture. *Arteriosclerosis, Thrombosis, and Vascular Biology*. 2015;35:A601-A601.
41. Whitson B, Ravi Y, Emani S, Lampert B, Kilic A, Hasan A, Higgins R, Sudhakar CS. Heart transplant recipient and donor age mismatching: should the older recipient be paired with the older donor? *The Journal of Heart and Lung Transplantation*. 2014;33:S163.
42. Ravi Y, Whitson B, Boyer P, Emani S, Hasan A, Franco V, Kahwash R, Crestanello J, Haas G, Higgins R. Has the Survival in Heart Transplant Recipients Older > 65years Improved Over the Decades? *The Journal of Heart and Lung Transplantation*. 2014;33:S266-S267.
43. Ravi Y, Emani S, Kilic A, Lampert B, Bansal S, Haas G, Hasan A, Higgins R, Sai-Sudhakar C, Whitson B. Elderly Heart Transplant Recipient Long-Term Survival Is Not Dependent on Donor Age: A Conditional Survival Analysis. *The Journal of Heart and Lung Transplantation*. 2014;33:S161.
44. Whitson B, Ravi Y, Kilic A, Hasan A, Franco V, Higgins R, Sai-Sudhakar C. Heart Transplant Recipients with LVADs and Pulmonary Hypertension Do Not Benefit from "Oversized" Donor Hearts. *The Journal of Heart and Lung Transplantation*. 2013;32:S14.
45. Ravi Y, Whitson B, Emani S, Bansal S, Kilic A, Crestanello J, John R, Higgins R, Sai-Sudhakar C. Body Mass Index Impacts Immediate and Long-Term Survival of Heart Transplant Recipients. *The Journal of Heart and Lung Transplantation*. 2013;32:S39.
46. Ravi Y, Sudhakar EP, Nayak P, Sai-Sudhakar CB, Dean Boudoulas K. Biventricular Mechanical Circulatory Support Does Not Prevent Delayed Myocardial Ventricular Rupture following Myocardial Infarction. *Case Reports in Cardiology*. 2013;2013.
47. Ravi Y, Emani S, Selvendiran K, Naidu S, Kuppusamy P, Sai-Sudhakar C. Targeting Anti-Oxidant and Anti-Proliferative Pathways in Pulmonary Hypertension Secondary to Heart Failure. Is One Better Than the Other? *The Journal of Heart and Lung Transplantation*. 2013;32:S304-S305.
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## PRESENTATIONS

### International

1. C. Lemoine, L. Copeland, J. Silverman, M. Dean, C. Zoni, F. Valle Diaz, T. Raines, C. Sai-Sudhakar, Y. Ravi. Recipient Survival Following Transplantation of Hearts from Substance Abuse Donors Impacted by Regional Variations? *43<sup>rd</sup> Annual Meeting & Scientific Sessions of the ISHLT was held 19-22 April, 2023 at the Colorado Convention Center in Denver, CO USA*.
2. M. R. Dean, F. Del Valle Díaz, C. Lemoine, L. Copeland, J. Silverman, T. Raines, C. Sai-Sudhakar, Y. Ravi, R. Zoni. Left Ventricular Hypertrophy and Reduced Ejection Fraction in Donor Hearts - Contraindications to Transplantation: *43<sup>rd</sup> Annual Meeting & Scientific Sessions of the ISHLT was held 19-22 April, 2023 at the Colorado Convention Center in Denver, CO USA*.
3. F. Del Valle Diaz, M. Dean, C. Lemoine, L. Copeland, J. Silverman, C. Zoni, T. Raines, Y. Ravi, C. Sai-Sudhakar: Donor Cause of Death and Ejection Fraction in Heart Transplant Recipients, *43<sup>rd</sup> Annual Meeting & Scientific Sessions of the ISHLT was held 19-22 April, 2023 at the Colorado Convention Center in Denver, CO USA*.
4. S. Zaver, H. Zaver, L.A. Copeland, T.I. Raines, J. Wan, L. Dong, B.A. Whitson, J. Balasubramaniyan, S. Emani, Y. Ravi, C.B. Sai-Sudhakar: Improving Heart Transplant Outcomes in the African American Population? Are We There Yet?, *The Journal of Heart and Lung Transplantation*, Volume 41, Issue 4, Supplement, 2022, Page S56, ISSN 1053-2498, <https://doi.org/10.1016/j.healun.2022.01.128>. (<https://www.sciencedirect.com/science/article/pii/S1053249822001462>) *Boston 2022 Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Boston 2022*.
5. S. Zaver, Y. Ravi, L.A. Copeland, H. Zaver, T.I. Raines, S. Emani, L. Dong, B.A. Whitson, J. Wan, C.B. Sai-Sudhakar, Education and Its Impact on Post-Heart Transplant Survival?, *The Journal of Heart and Lung Transplantation*, Volume 41, Issue 4, Supplement, 2022, Page S246, SN 1053498, <https://doi.org/10.1016/j.healun.2022.01.1757>. (<https://www.sciencedirect.com/science/article/pii/S1053249822017818>): *Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Boston 2022*
6. Y. Ravi, S. Zaver, T.I. Raines, H. Zaver, L.A. Copeland, V. Chinta, J. Balasubramaniyan, S. Emani, L. Dong, J. Wan, C.B. Sai-Sudhakar: Does Post-Heart Transplantation Placement of Permanent Pacemakers Affect Survival? *The Journal of Heart and Lung Transplantation*, Volume 41, Issue 4, Supplement, 2022, Page S243, ISSN 1053-2498, <https://doi.org/10.1016/j.healun.2022.01.1749>. (<https://www.sciencedirect.com/science/article/pii/S1053249822017739>) *Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Boston 2022*
7. Ravi, Yazhini & Raines, T.I. & Copeland, Laurel & Zaver, S. & Zaver, H. & Vila, M. & Pacific, M. & Sai- Sudhakar, Chittoor & Calderia, C.. (2022). Independent and Combined Effects of Age and COVID on Patient Outcomes. *The Journal of Heart and Lung Transplantation*. 41. S271.10.1016/j.healun.2022.01.666. *Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Boston*

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<https://www.sciencedirect.com/science/article/pii/S1053249822006842> Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Boston 2022
  9. Y Xue, D Yang, P Vogel, J Stabenow, L Zalduondo, Y Kong, Y Ravi.: Cardiopulmonary Injury in the Syrian Hamster Model of COVID-19. *Keystone Symposia*, July 2022, Denver-Colorado.
  10. Y. Ravi<sup>1</sup>, V. Chinta<sup>2</sup>, S. M. Zaver<sup>3</sup>, J. V. Balasubramaniyan<sup>4</sup>, S. Emani<sup>5</sup>, D. Lei<sup>6</sup>, J. Wan<sup>7</sup>, C. B. SaiSudhakar<sup>8</sup>. Do Post- Heart Transplant Placement of Permanent Pacemakers Affect Survival? <sup>1</sup>Cardiac Surgery, University of Tennessee, Memphis, TN, <sup>2</sup>Medicine, University of Tennessee, Memphis, TN, <sup>3</sup>College of Medicine, University of Tennessee, Memphis, TN, <sup>4</sup>Cardiology, Sri Ramachandra Institute of Higher Education and Research, Chennai, India, <sup>5</sup>Medicine, The Ohio State University, Columbus, OH, <sup>6</sup>Surgery, University of Tennessee Health Science Centre, Memphis, TN, <sup>7</sup>Biostatistics, University of Tennessee, Memphis, TN, <sup>8</sup>Surgery, University of Tennessee, Memphis, TN (Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Canada 2020)
  11. S. M. Zaver<sup>1</sup>, J. Y. Wan<sup>2</sup>, D. Lei<sup>3</sup>, B. A. Whitson<sup>4</sup>, J. V. Balasubramaniyan<sup>5</sup>, S. Emani<sup>6</sup>, Y. Ravi<sup>7</sup>, C. B. SaiSudhakar<sup>7</sup>. *Improving Heart Transplant Outcomes in the African American Population? Are We There Yet?* <sup>1</sup>College of Medicine, University of Tennessee, Memphis, TN, <sup>2</sup>Preventive Medicine, University of Tennessee, Memphis, TN, <sup>3</sup>Surgery, University of Tennessee, Memphis, TN, <sup>4</sup>Cardiac Surgery- Surgery, The Ohio State University, Columbus, OH, <sup>5</sup>Cardiology, Sri Ramachandra Institute of Higher Education and Research, Chennai, India, <sup>6</sup>Cardiology-Medicine, The Ohio State University, Columbus, OH, <sup>7</sup>Cardiac Surgery- Surgery, University of Tennessee, Memphis, TN. (Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Canada 2020)
  12. Zaver<sup>1</sup>, V. Chinta<sup>2</sup>, J. Y. Wan<sup>3</sup>, D. Lei<sup>4</sup>, S. Emani<sup>5</sup>, C. B. SaiSudhakar<sup>6</sup>, Y. Ravi<sup>6</sup>. Can Pre-Transplant Function Predict Short-Term and Long-Term Post Transplant Survival? <sup>1</sup>College of Medicine, University of Tennessee Health Science Centre, Memphis, TN, <sup>2</sup>Cardiology-Medicine, University of Tennessee, Memphis, TN, <sup>3</sup>Preventive Medicine, University of Tennessee Health Science Centre, Memphis, TN, <sup>4</sup>Surgery, University of Tennessee Health Science Centre, Memphis, TN, <sup>5</sup>Cardiology-Medicine, The Ohio State University, Columbus, OH, <sup>6</sup>Cardiac Surgery- Surgery, University of Tennessee Health Science Centre, Memphis, TN, Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Canada 2020
  13. Y. Ravi<sup>1</sup>, S.M. Zaver<sup>2</sup>, S. Emani<sup>3</sup>, D. Lei<sup>4</sup>, B. A. Whitson<sup>1</sup>, J. Y. Wan<sup>5</sup>, C. B. Sai-Sudhakar<sup>1</sup>. Education and Its Impact on Post-Heart Transplant Survival. <sup>1</sup>Cardiac Surgery- Surgery, University of Tennessee Health Science Centre, Memphis, TN, <sup>2</sup>College of Medicine, University of Tennessee Health Science Centre, Memphis, TN, <sup>3</sup>Cardiology-Medicine, The Ohio State University, Columbus, OH, <sup>4</sup>Surgery, University of Tennessee Health Science Centre, Memphis, TN, <sup>5</sup>Preventive Medicine, University of Tennessee Health Science Centre, Memphis, TN. (Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Montreal, Canada 2020)
  14. Y Ravi, L Copeland, S Emani, BA Whitson, CB Sai-Sudhakar Heart Transplant Recipient and Donor Age: Should the Younger Recipient Be Matched with the Younger Donor?

- (Control#: 4153) in a Mini Oral Session entitled Cardiac Donor Selection: *The Journal of Heart and Lung Transplantation* 36 (4), S43-S44: 2017. (Oral Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Orlando, Florida 2019)
15. Y Ravi, EM Stock, SK Lella, JV Balasubramaniyan, S Emani, C Sai-Sudhakar: Does Distance from Donor Hospital Impact Survival in Heart Transplant Recipients? *The Journal of Heart and Lung Transplantation* 36 (4), S43-S44: 2017. (Oral Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, San Diego-CA 2017)
  16. SK Lella, K Zolfaghari, LA Copeland, CB Sai-Sudhakar, Y Ravi: The Effect of Donor Arginine Vasopressin Use within 24 Hours of Aortic Cross-Clamp on 1Year Recipient Survival: *The Journal of Heart and Lung Transplantation* 36 (4), S302: 2017 (Poster Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, San Diego-CA 2017)
  17. Y Ravi, E Stock, SK Lella, JV Balasubramaniyan, L Copeland, S Emani, C Sai-Sudhakar: Does Functional Status at Listing and Time of Heart Transplant Influence Survival in Heart Transplant Recipients? *The Journal of Heart and Lung Transplantation* 36 (4), S179: 2017. (Oral Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, San Diego-CA 2017)
  18. SK Lella, K Zolfaghari, LA Copeland, CB Sai-Sudhakar, Y Ravi: The Effect of Donor Anticonvulsant Use within 24 Hours of Aortic Cross-Clamp on 1-Year Recipient Survival: *The Journal of Heart and Lung Transplantation* 36 (4), S388 (Poster Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, San Diego-CA 2017)
  19. S.K. Lella<sup>1</sup>, L.A.Copeland<sup>2</sup>, C. B. Sai-Sudhakar<sup>3</sup>, Y. Ravi<sup>3</sup> The recipient working status leading to heart transplantation and its effect on post-transplant survival- A UNOS database review: *Journal of Cardiac Failure* 22 (8), S106 (presented at the 2016 Annual meeting of the Heart Failure Society of America, Orlando-Sep 2016)
  20. S.K. Lella<sup>1</sup>, L.A. Copeland<sup>2</sup> Y. Ravi<sup>3</sup>, C. B. Sai-Sudhakar<sup>3</sup> Donor cause of death in heart transplantation and its effect on post-transplant survival – A UNOS database review. Authors: *Journal of Cardiac Failure* 22 (8), S106 (presented at the 2016 Annual meeting of the Heart Failure Society of America, Orlando-Sep 2016)
  21. Y. Ravi<sup>1</sup>, E. M. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, L. Nikolaidis<sup>4</sup>, S. Emani<sup>5</sup>, R. C. Scott<sup>4</sup>, C. B. SaiSudhakar<sup>1</sup>. Does a history of malignancy affect long-term survival in heart transplant recipients? Author Block. (Poster Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Washington DC)
  22. Does a history of malignancy affect long-term survival in heart transplant recipients? Author Block Y. Ravi<sup>1</sup>, E. M. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, L. Nikolaidis<sup>4</sup>, S. Emani<sup>5</sup>, R. C. Scott<sup>4</sup>, C. B. SaiSudhakar<sup>1</sup>. (Oral Presentation at the Annual Meeting of the Surgical Society of Texas, San Antonio, TX 2016)
  23. P. C. Rosas<sup>1</sup>, E. Stock<sup>2</sup>, E. A. Amulraj<sup>3</sup>, S. Emani<sup>4</sup>, R. C. Scott<sup>5</sup>, C B. Sai-Sudhakar<sup>3</sup>, Y. Ravi<sup>6</sup> Does Pulmonary Hypertension affect survival after heart transplantation based on recipient body mass index? (Oral Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Washington DC, 2016)
  24. Y. Ravi<sup>1</sup>, E. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, A. K. Hasan<sup>4</sup>, L. Nikolaidis<sup>5</sup>, S. Bansal<sup>6</sup>, B. A. Whitson<sup>7</sup>, R. C. Scott<sup>5</sup>, C. B. Sai-Sudhakar<sup>1</sup>. Immunosuppressant regimen over time and their association with rejection, graft failure, and mortality. (Poster Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Washington DC, 2016)
  25. Y. Ravi<sup>1</sup>, E. M. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, R. C. Scott<sup>4</sup>, E. A. Amulraj<sup>1</sup>, S. Emani<sup>5</sup>, C. B.

- SaiSudhakar<sup>1</sup>. Changing characteristics of heart transplant donors and their effect on recipient mortality. (Poster Presentation at the Annual Meeting of the Society of Heart and Lung Transplantation, April 26-30, 2016 Washington DC)
26. Y. Ravi<sup>1</sup>, E. M. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, R. John<sup>4</sup>, R. C. Scott<sup>5</sup>, S. Emani<sup>6</sup>, C. B. Sai-Sudhakar<sup>1</sup>. Does distance from donor hospital impact survival in heart transplant recipients? (Poster Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Washington DC)
  27. Y. Ravi<sup>1</sup>, E. M. Stock<sup>2</sup>, P. C. Rosas<sup>3</sup>, B. A. Whitson<sup>4</sup>, E. A. Amulraj<sup>1</sup>, R. C. Scott<sup>5</sup>, S. Emani<sup>6</sup>, S. Bansal<sup>7</sup>, C. B. Sai-Sudhakar<sup>1</sup>. The obesity epidemic and its effect on donor body mass index and recipient survival-A UNOS database review of heart transplantation. (*Oral Presentation at the Annual Meeting of the International Society of Heart and Lung Transplantation, April 26-30, Washington DC*)
  28. Y. Ravi<sup>1</sup>, S. Bansal<sup>2</sup>, K. Jeong<sup>3</sup>, S. Emani<sup>4</sup>, B. Whitson<sup>5</sup>, C. Tong<sup>6</sup>, C. B. Sai-Sudhakar<sup>1</sup>. Do donor lifestyle choices and polysubstance abuse affect long Term Survival in Heart Transplant Recipients? <sup>1</sup>Cardio-Thoracic Surgery, Baylor-Scott & White, Temple, TX, <sup>2</sup>Cardio-Thoracic Surgery, Mayo Clinic Florida, Jacksonville, FL, <sup>3</sup>Department of Bio-Statistics, University of Pittsburg, PA, PA, <sup>4</sup>Cardiology, The Ohio State University, Columbus, OH, <sup>5</sup>Cardio-Thoracic Surgery, The Ohio State University, Columbus, OH, <sup>6</sup>Cardiology, Baylor- Scott & White, Temple, TX; (*oral presentation at the ISHLT 35th Annual Meeting and Scientific Sessions, April 2015, Nice, France*)
  29. Y. Ravi<sup>1</sup>, C. B. Sai-Sudhakar<sup>1</sup>, S. Kirkby<sup>2</sup>, S. M. Black<sup>3</sup>, J. D. Tobias<sup>4</sup>, D. Hayes, Jr.<sup>2</sup>, R. S. Higgins<sup>3</sup>, B. A. Whitson<sup>3</sup>. Period of Transplant Influences Elderly Lung Transplant Recipient Survival: We Are Getting Better! <sup>1</sup>Division of Cardio-Thoracic Surgery, Baylor Scott and White Heart and Vascular Institute, Temple, TX, <sup>2</sup>Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH, <sup>3</sup>Department of Surgery, The Ohio State University Wexner Medical Center, Columbus, OH, <sup>4</sup>Department of Anesthesiology & Pain Medicine, Nationwide Children's Hospital, Columbus, OH. (*oral presentation at the ISHLT 35th Annual Meeting and Scientific Sessions, April 2015, Nice, France*)
  30. Y. Ravi<sup>2</sup>, A. Pope-Harman<sup>3</sup>, A. Kilic<sup>1</sup>, J. D. Tobias<sup>4</sup>, C. B. Sai-Sudhakar<sup>2</sup>, R. S. Higgins<sup>1</sup>, D. Hayes, Jr.<sup>5</sup>. Elderly Lung Transplant Recipient Long-Term Survival Is Not Impacted By Donor Age. B. A. Whitson<sup>1</sup>, <sup>1</sup>Department of Surgery, The Ohio State University Wexner Medical Center, Columbus, OH, <sup>2</sup>Division of Cardio-Thoracic Surgery, Baylor Scott and White Heart and Vascular Institute, Temple, TX, <sup>3</sup>Department of Medicine, The Ohio State University Wexner Medical Center, Columbus, OH, <sup>4</sup>Department of Anesthesia, Nationwide Children's Hospital, Columbus, OH, <sup>5</sup>Department of Pediatrics, Nationwide Children's Hospital, Columbus, OH. *The Journal of Heart and Lung Transplantation*; 2015-A-665. (poster presentation at the ISHLT 35th Annual Meeting and Scientific Sessions, April 2015, Nice, France)
  31. Y Ravi, S Emani, A Kilic, B Lampert, S Bansal, G Haas, AK Hasan, C B Sai-Sudhakar Elderly Heart Transplant Recipient Long-Term Survival Is Not Dependent on Donor Age: A Conditional Survival Analysis. *The Journal of Heart and Lung Transplantation* 33 (4), S161-S161 (*oral presentation at the ISHLT 34th Annual Meeting and Scientific Sessions, April 2014, San Diego, USA*)
  32. Y Ravi, BA Whitson, PG Boyer, S Emani, AK Hasan, V Franco, R Kahwash, C B Sai-Sudhakar Has the Survival in Heart Transplant Recipients Older > 65years Improved Over the Decades? *The Journal of Heart and Lung Transplantation* 33 (4), S266-S267 (*oral presentation at the ISHLT 34th Annual Meeting and Scientific Sessions, April 2014, San Diego, USA*)
  33. BA Whitson, Y Ravi, S Emani, B Lampert, A Kilic, A Hasan, RS Higgins, C B Sai-Sudhakar: Heart Transplant Recipient and Donor Age Mismatching: Should the Older Recipient Be Paired with the Older Donor? *The Journal of Heart and Lung Transplantation* 33 (4), S163-S163 (*poster presentation at the ISHLT 33rd Annual*

- Meeting and Scientific Sessions, April 2013, Montreal, Canada)*
34. Y. Ravi, S. Emani, K. Selvendiran, S. Naidu, P. Kuppasamy, C.B. Sai-Sudhakar. Targeting Anti-Oxidant and Anti-Proliferative Pathways in Pulmonary Hypertension Secondary to Heart Failure. Is One Better Than the Other? *The Journal of Heart and Lung Transplantation* 32 (4), S304-S305 (*poster presentation at the ISHLT 33rd Annual Meeting and Scientific Sessions, April 2013, Montreal, Canada*)
  35. D.S. Ikeda, C.J. Powers, E. Sauvageau, S. Bansal, S. Emani, Y. Ravi, C.B. Sai-Sudhakar. Predicting Outcomes of Patients with Ventricular Assist Devices Who Suffer Neurological Injuries; *The Journal of Heart and Lung Transplantation* 32 (4), S278 (*poster presentation at the ISHLT 33rd Annual Meeting and Scientific Sessions, April 2013, Montreal, Canada*)
  36. Bryan Whitson, Yazhini Ravi, Ahmet Kilic, Ayesha Hasan, Veronica Franco, Robert Higgins, Chittoor B Sai-Sudhakar Heart transplant recipients with LVADs and pulmonary hypertension do not benefit from "oversized" donor hearts.; *The Journal of Heart and Lung Transplantation* 32 (4), S14 (*oral presentation at the ISHLT 33rd Annual Meeting and Scientific Sessions, April 2013, Montreal, Canada*)
  37. Yazhini Ravi, Sitaramesh Emani, Veronica Franco, Juan Crestanello, Ahmet Kilic, and Chittoor B. Sai-Sudhakar. Body Mass Index Impacts Immediate and Long-Term Survival of Heart Transplant Recipients. *The Journal of Heart and Lung Transplantation* 32 (4), S39 (*oral presentation at the ISHLT 33rd Annual Meeting and Scientific Sessions, April 2013, Montreal, Canada*)
  38. W. Aaron Kay, MD1, Sitaramesh Emani, Yazhini Ravi, Veronica Franco, Juan Crestanello, Ahmet Kilic, and Chittoor B. Sai-Sudhakar. Novel Assessment of Hemolytic Anemia in Patients with Continuous Flow Left Ventricular Assist Devices [Abstract]: *Journal of Heart and Lung Transplantation*. (Apr 2012) (*poster presentation at the 32<sup>nd</sup> ISHLT annual meeting April 2012, Prague, Czech Republic*)
  39. Y Ravi, M.Winner, E.Daoud, Emani S, Ackers, Firstenberg, Sai Sudhakar. Ventricular arrhythmias increase after implantation of ventricular assist devices [Abstract].: *Journal of Heart and Lung Transplantation*. (*poster presentation at the 32<sup>nd</sup> ISHLT annual meeting April 2012, Prague, Czech Republic*)
  40. Ravi Y; Karuppaiyah S; Meduru S; Khan M; Rivera BK; Kuppasamy P; Sai-Sudhakar CB PTEN Is a Therapeutic Target in Pulmonary Hypertension *The Journal of Heart and Lung Transplantation* Vol. 31, Issue 4, Supplement, Page S214 (*poster presentation at the 32<sup>nd</sup> ISHLT annual meeting April 2012, Prague, Czech Republic*)
  41. Ravi Y, S Emani, A Hasan, CB Sai-Sudhakar, E Gafford. Integrating Palliative Care in the Management of Patients Considered for Mechanical Circulatory Support; *The Journal of Heart and Lung Transplantation* Vol. 31, Issue 4, Supplement, Page S253 (*poster presentation at the 32<sup>nd</sup> ISHLT annual meeting April 2012, Prague, Czech Republic*)
  42. Emani S; O'Keefe C; Ravi Y; Higgins R; Crestanello J; Firstenberg M; Sirak J; McBair K; Hasan AK, Sai-Sudhakar CB. Consideration for Serial Surveillance of Aortic Valve Following Implantation of Continuous Flow Left Ventricular Assist Device. (2011) *Journal of Heart and Lung Transplantation* 30 (4), S164 (*poster presentation at the 31 ISHLT Annual meeting April 2011, San Diego, USA*)
  43. Sai-Sudhakar CB; Brewer RJ; Emani S; Ravi Y; Slaughter MS; Sundareswaran K; Farrar DJ; John R. Patients with Low Compared to High Body Mass Index Gain More Weight After Continuous Flow LVAD Implant. (2011) (*poster presentation at the 31<sup>st</sup> ISHLT April 2011, San Diego, USA*)
  44. Ravi Y; Sai-Sudhakar CB. Lead Fractures in Left Ventricular Assist Devices - A Multi-Institutional Experience. (2010) *The Journal of Heart and Lung Transplantation* Vol. 29,

- Issue 2, Supplement, Pages S52-S53 (*oral presentation at the 30<sup>th</sup> ISHLT Annual meeting, April 2010 Chicago, USA*)
45. Y Ravi, A Knapkie, S Wissman, T Yanssens, B Sun, L Louis, C Sai-Sudhakar. Trends in Body Mass Index Following Long Term Mechanical Circulatory Support; *The Journal of Heart and Lung Transplantation* 29 (2), S183 2010 (*oral presentation at the 30<sup>th</sup> ISHLT Annual meeting, April 2010 Chicago, USA*)

## NATIONAL

1. Sitaramesh Emani, Yazhini Ravi, Veronica Franco, Juan Crestanello, Ahmet Kilic, and Chittoor B. Sai-Sudhakar. Successful use of Ultrafiltration for Decompensated Heart Failure in LVAD Patients; (*poster presentation at the 16th Annual Scientific Meeting of the HFSA, Seattle, WA*)
2. Ravi Y, Emani S, Chacko SM, Kilic A, Crestanello J, Higgins RH, Sai-Sudhakar CB Is Strong Support the Key in Controlling the Incidence of Driveline Infections. "Heart Failure Society of America 2012." [Abstract]. (*poster presentation at the 16th Annual Scientific Meeting of the HFSA, Seattle, WA*)
3. Ravi Y; Karuppaiyah S; Meduru S; Khan M, Rivera BK; Kuppusamy P; Sai-Sudhakar CB. Therapeutic Targeting of PTEN Modulates Vascular Remodeling in Chronic Hypoxia-Induced Pulmonary Hypertension. (*oral presentation at 48<sup>th</sup> Annual Meeting of the Society of Thoracic Surgery 2012, Fort Lauderdale, FL*)
4. Ravi Y; Karuppaiyah S; Kuppusamy P; Sai-Sudhakar CB. Is Peroxynitrite A Therapeutic Target In The Management Of Pulmonary Hypertension?? (*oral presentation at the Academic Surgical Congress - February 2012 - Las Vegas, NV*)
5. Yazhini Ravi, Karuppaiyah Selvendiran, Shan K Naidu, Periannan Kuppusamy, Chittoor B Sai-Sudhakar PTEN Inactivation by Peroxynitrite Induces Vascular Remodeling in Pulmonary Hypertension Secondary to Left-heart Failure. (*poster presentation at the AHA Scientific Sessions, November 2012, Los Angeles, CA*)
6. Yazhini Ravi, Shan K Naidu, Lucas A Citro, The Ohio State Univ, Columbus, OH; Balazs Bognor, Kalman Hideg, Univ of Pécs, Pécs, Hungary; Chittoor B Sai-Sudhakar, Periannan Kuppusamy HO-3867, a Peroxynitrite Scavenger, Ameliorates Progression of Pulmonary Hypertension Secondary to Left-Heart Failure through Restoration of PTEN activity, The Ohio State Univ, Columbus, OH (*poster presentation at the AHA Scientific Sessions, November 2012, Los Angeles, CA*)
7. Yazhini Ravi, Karuppaiyah Selvendiran, Shan K Naidu, Periannan Kuppusamy, Chittoor B Sai-Sudhakar; PTEN Inactivation by Peroxynitrite Induces Vascular Remodeling in Pulmonary Hypertension Secondary to Left-heart Failure Free Radical Biology and Medicine 53, S56 (*poster presentation at the 19<sup>th</sup> Annual Meeting of the Society of Free Radical Biology Medicine, November 2012, San Diego, CA*)
8. Yazhini Ravi, Shan K Naidu, Lucas A Citro, The Ohio State Univ, Columbus, OH; Balazs Bognor, Kalman Hideg HO-3867, a Peroxynitrite Scavenger, Ameliorates Progression of Pulmonary Hypertension Secondary to Left-Heart Failure through Restoration of PTEN activity, Univ of Pécs, Pécs, Hungary; Chittoor B Sai-Sudhakar, Periannan Kuppusamy;



- Free Radical Biology and Medicine 53, S109-S110 (*poster presentation at the 19<sup>th</sup> Annual Meeting of the Society of Free Radical Biology Medicine, November 2012, San Diego, CA*)
9. Ravi Y; Karuppaiyah S; Naidu SK; Meduru S; Citro L; Khan M; Rivera BK; Sai-Sudhakar CB; Kuppusamy P. Pharmacological modulation of PTEN ameliorates the progression of Pulmonary in heart failure Hypertension. (*oral presentation at the AHA Scientific sessions November 2011, Orlando, FL*)
  10. Ravi Y; Karuppaiyah S; Meduru S; Khan M; Rivera BK; Sai-Sudhakar CB; and Kuppusamy PTEN Is A Key Mediator Of Vascular Remodeling In Pulmonary Hypertension; (2010) *Circulation.122: A20181 (poster presentation at the AHA Scientific sessions November 2010, Chicago, IL)*
  11. Ravi Y; Karuppaiyah S; Meduru S; Khan M; Citro L; Rivera BK; Sai-Sudhakar CB; and Kuppusamy P. PTEN Is A Key Mediator Of Vascular Remodeling In Pulmonary Hypertension. *Free Radical Biology and Medicine. (2010) (poster presentation at the 17<sup>th</sup> Annual Meeting of the Society of Free Radical Biology and Medicine conference November 2010, Orlando, FL)*

## LOCAL

1. S.K. Lella<sup>1</sup>, L.A. Copeland<sup>2</sup>, C. B. Sai-Sudhakar<sup>3</sup>, Y. Ravi<sup>3</sup> The recipient work status and its effect on post heart transplant survival. (*presented at the 2016 Research Day 2016, Baylor Scott & White, Temple, TX*)
2. Yazhini Ravi, Karuppaiyah Selvendiran, Shan K Naidu, Periannan Kuppusamy, Chittoor B Sai-Sudhakar, PTEN Inactivation by Peroxynitrite Induces Vascular Remodeling in Pulmonary Hypertension Secondary to Left-heart Failure The Ohio State Univ, Columbus, OH- (DHLRI Research Day, October 2012, The Ohio State University)
3. Yazhini Ravi, Shan K Naidu, Lucas A Citro, The Ohio State Univ, Columbus, OH; Balazs Bognor, Kalman Hideg, Univ of Pécs, Pécs, Hungary; Chittoor B Sai-Sudhakar, Periannan Kuppusamy, HO-3867, a Peroxynitrite Scavenger, Ameliorates Progression of Pulmonary Hypertension Secondary to Left-Heart Failure through Restoration of PTEN activity The Ohio State Univ, Columbus, OH (*oral presentation at the DHLRI Research Day, October 2012, The Ohio State University*)
4. Yazhini Ravi, Shan K Naidu, Lucas A Citro, The Ohio State Univ, Columbus, OH; Balazs Bognor, Kalman Hideg Chittoor B Sai-Sudhakar, Periannan Kuppusamy : Pharmacological modulation of PTEN ameliorates the progression of pulmonary hypertension in heart failure (*oral presentation at the 17th Annual Surgical Research Conference, May 2012 at The Ohio State University*)
5. Yazhini Ravi, Shan K Naidu, Lucas A Citro, The Ohio State Univ, Columbus, OH; Balazs Bognor, Kalman Hideg Chittoor B Sai-Sudhakar PTEN is a key mediator of vascular remodelling in pulmonary hypertension (poster presentation at the 16th Annual Surgical Research Conference June 10, 2011 in the Heart & Lung Research Institute (HLRI) at The Ohio State University.
6. Yazhini Ravi, Karuppaiyah Selvendiran, Brian K. Rivera, Sarath Meduru, Lucas Citro, Mahmood Khan, Nancy Trigg, Chittoor B. Sai- Sudhakar and Periannan Kuppusamy; PTEN Is A Key Mediator Of Vascular Remodeling In Pulmonary Hypertension; Dorothy M. Davis Heart and Lung Research Institute, The Ohio State University, Columbus, OH 43210 (*poster presentation at the DHLRI Research Day, October 2011, The Ohio State University*)

**RESEARCH FUNDING HISTORY****COMPLETED IN PRIOR YEARS****SPARC- Scheme for Promotion of Academic and Research Collaboration**

2019-2023

Title: "Pen to Paper-Scientific reading, writing and working skills"

Scope: Partnership between Dr. Padma Srikanth of Sri Ramachandra University, India, Dr. Sai-Sudhakar and Dr. Yazhini Ravi

Total award amount 100,000\$

Gerlach Award for Basic Science Research awarded by the Ross Heart Hospital, The Ohio State University, Columbus, Ohio

2013-2014

(15,000\$)

**TRAINEES****Medical and Undergraduate Students:*****The Ohio State University, Columbus, Ohio***

1. Pratima Nayak, Medical Student 2010
2. Janani Singaravelu, Medical Student, 2012-2014
3. Peter G Boyer, master's student in Biomedical Engineering 2013-2014
4. Emily Sudhakar, Undergraduate Student 2012-2014
5. Sarah Paul, Undergraduate Student 2012-2014

***Baylor Scott & White Memorial Hospital***

1. Luke O'Dowd, Undergraduate Student 2014-2016
2. Srihari Lella, Medical student 2014-2016

***University of Tennessee Health Science Centre***

1. Isaac T Raines, Medical student, capstone project 2019-2022
2. Sheev Manoj Zaver, medical student, capstone project 2019-2022
3. Henna Zaver, Medical student, Longitudinal scholars program 2021-2023
4. Vishnu Chintla, MD- Fellow in Cardiology

***University of Connecticut Health Centre***

1. Elizabeth Silver, medical student
2. Julia Silverman, medical student-Capstone project 2022-2025
3. Aviral Mahajan, medical student 2022-2025

Signed: Yazhini Ravi, Updated: 3/26/2024 5:51 PM

4. Mohammad Mirghani, medical student-Capstone project 2023-2026
5. Tyler Mcneil, medical student-Summer Research project 2023
6. Emily Robertson, medical student-Summer Research project 2023
7. Olivera Tadeau, medical student-Summer Research project 2023
8. Radha Patel, medical student- Summer and Capstone Research project 2023-2025
9. Alexandra Grace Bassani, medical student

### **Sri Ramachandra University, Chennai-India**

1. Ramya S, PhD student, 2016-2019
2. Monica R, PhD student, 2016-2019

### **Postdoctoral Fellows, Research Associates, Clinical Residents:**

1. Cesar Rodrigo Zoni 2020-present
2. Mathew R Dean, Internal medicine PGY2, VCU Health 2021-present
3. Christopher Lemoine, PGY5 Surgical Resident, UConn Health 2021-present
4. Surekha Surendranathan 2019-2021

## EDITORIAL BOARDS & REVIEWER HISTORY

**Editorial function:** *Frontiers- of Cardiovascular Medicine Heart Failure and Transplantation ; Plos .* **Reviewer:** *Frontiers- of Cardiovascular Medicine Heart Failure and Transplantation; Clinics of Surgery; International journal of innovative surgery; SEJ Cardiology and Experimental studies; Plos One*

## INVITED SEMINARS

- |                   |  |
|-------------------|--|
| 1. September 2018 | Importance of Vaccination against MMR, Rotary Club of Madras, Chennai, India |
| 2. October 2018   | Importance of Vaccination against MMR, Rotary Club of Madras, Chennai, India |
| 3. December 2018  | Importance of Vaccination against MMR, Rotary Club of Madras, Chennai, India |
| 4. March 21, 2023 | Cardiac Dysfunction in SARS-CoV-2, UTHSC, Memphis, TN                        |

## PROFESSIONAL SOCIETIES

Member of the American Heart Association

International Society of Heart and Lung Transplantation

Indian Medical Council

## ACADEMIC TEACHING

## University of Connecticut Health Centre

2023-present

Vitals 1.2, Medical and Dental Students M1 and D1 UConn  
School of Medicine and Dentistry

## EXTRACURRICULAR ACADEMIC TRAINING

## University of Tennessee Health Science Centre

2020-2021 UT Promise Mentor for Undergraduate minority students

## COMMUNITY SERVICE

Date	Location	Activity	Audience
August 2008	Chennai, India-Srilankan Refugee Camp	Free Medical Screening Camp	OFFErr
2007-2009	Chennai, India	Education and Medical Screening of HIV woman and children	HOPE Foundation

## MENTORING -UNDERGRADUATE &amp; HIGH SCHOOL

## High School Mentoring

1	Name of Student	Student's Major	Program	Period of Activity
2	Ashley Forte	High School	Volunteer	Summer 2014
3	Maddyson Quinn	High School	Volunteer	Summer 2014
4	Pranav Mahajan	High School	Volunteer	Summer 2019