Curriculum Vitae

Date of Revision: August 2023
Name: Tariq Ahmad, MD, MPH
School: Yale School of Medicine
Academic Position Associate Professor of Medicine

Education:
BA, New York University Mathematics and Biology 2001
MD, SUNY at Stony Brook School of Medicine 2006
MPH, Harvard School of Public Health 2010

Career/Academic Appointments:
2001 - 2002 Postgraduate Fellow, Richard Lifton Laboratory, Yale School of Medicine, New Haven, CT
2006 - 2010 Intern and Resident, Internal Medicine, Brigham and Women's Hospital, Boston, MA
2010 - 2014 Fellow, Cardiovascular Medicine, Duke University Medical Center, Durham, NC
2012 - 2014 Research Fellow, Duke Clinical Research Institute, Durham, NC
2014 - 2015 Advanced Heart Failure Fellow, Duke University Medical Center, Durham, NC
2015 - 2021 Assistant Professor, Cardiovascular Medicine, Yale School of Medicine, New Haven, CT
2021-current Associate Professor, Cardiovascular Medicine, Yale School of Medicine, New Haven, CT

Administrative Positions:
2017 - 2020 Director, Cardiovascular Grand Rounds, Cardiovascular Medicine, Yale School of Medicine, New Haven, CT
2020 - 2023 Medical Director of Heart Transplantation and Mechanical Circulatory Support, Section of Cardiovascular Medicine, Yale School of Medicine, New Haven, CT
2022-present Director, Yale Heart Failure Program, Section of Cardiovascular Medicine, Yale School of Medicine, New Haven, CT

Board Certification:
American Board of Internal Medicine, 2010
American Board of Internal Medicine, Cardiovascular Disease, 2016
American Board of Internal Medicine, Advanced Heart Failure and Transplant Cardiology, 2018

Professional Honors & Recognition:
2021 Editorial Board, *JACC Heart Failure*
2020 Senior Guest Editor *Journal of Cardiac Failure*
2019 ACC Mentorship Award
2019 Fellow, Heart Failure Society of America
2018 ACC Expert Consensus Guidelines Committee
2018 Elected to ACC Leadership Cohort
2017 Fellow, American College of Cardiology
2017 Finalist, Young Investigator Award, ACC
2016 HFSA-St. Jude Research Award
2016 Young Author Achievement Award, Journal of American College of Cardiology
2013 Finalist, Northwestern Young Investigator's Forum

2013 ACC Cardiosource Up and Coming Cardiology Fellow
2013 JACC Heart Failure Fellow and CME Editor
2013 Best Fellow in Training Poster, American College of Cardiology Meeting
2012 NIH Loan Repayment Program Recipient
2012 Daland Fellowship for Clinical Investigation
2009 Marcy Speer Scholarship for Training in Genetic Analysis
2007 Editor, Brigham and Women's Internal Medicine Guide 2007
2006 Merck Award for Top Medical School Graduate
2006 Junior AOA Medical Honor Society (Top 2% of Medical Students)
2003 AHA Summer Research Fellowship
2001 Founders Day Award for Top Graduates of New York University
2000 Cold Spring Harbor Summer Research Fellowship

Grants/Clinical Trials History:

Current Grants

Agency:	AstraZeneca
I.D.#:	HIC# 2000027014
Title:	Pragmatic Trial of Messaging to Providers about Treatment of Heart Failure (PROMPT-HF)
Role:	Principal Investigator
Percent effort:	20%
Total costs for project period:	$786,606
Project period:	7/1/2020-6/30/2021

Agency:	Yale New Haven Hospital
I.D.#:	HIC# 2000028450
Title:	A Pragmatic Randomized Trial Assessing Efficacy of the Rothman Index
Role:	Principal Investigator
Percent effort:	10%
Total costs for project period:	$400,000
Project period:	1/1/2020-12/30/2021

Agency:	Amgen, Inc.
I.D.#:	HIC# 2000026771REG
Title:	Retrospective and Real-Time Monitoring of Heart Failure Across the Yale New Haven Health System Via a Live Registry
Role:	Co-Principal Investigator
Percent effort:	10%
Total costs for project period:	$230,000
Project period:	6/1/2020-5/30/2021

Agency:	Amgen, Inc.
I.D.#:	HIC# 2000027852
Title:	Pragmatic Trial of Messaging to Providers about Treatment of Hyperlipidemia (PROMPT-Lipid)

Role:	Co-Principal Investigator
Percent effort:	10%
Total costs for project period:	$500,000.00
Project period:	9/1/2020-7/30/2021
Agency:	Boehringer Ingelheim
I.D.#:	HIC# 2000027325
Title:	Assessing the Efficacy of Digital Health Technology in the Management of Congestive Heart Failure: An Evaluation of Four Novel Digital Health Products
Role:	Co-Principal Investigator
Percent effort:	15%
Total costs for project period:	$800,000.00
Project period:	8/1/2020-7/30/2021

Past Grants

Agency:	Yale Center for Clinical Investigation (K12HS023000)
I.D.#:	HIC# 2000025000
Title:	Risk EValuation And its Impact on ClinicAL Decision Making and Outcomes in Heart Failure at Yale: The REVeAL-HF Trial
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project period:	$284,900
Project period:	9/1/2018-9/1/2020
Agency:	Brigham and Women's Hospital
I.D.#:	HIC# 2000025688
Title:	INfluenza Vaccine to Effectively Stop Cardio Thoracic Events and Decompensated Heart Failure (INVESTED)
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project period:	N/A
Project period:	8/16/2019 - 5/26/2020
Agency:	Yale University School of Medicine
I.D.#:	HIC# 2000024317REG
Title:	Creation of a Yale Heart Failure Registry Using a Novel Mobile Health Platform: HUGO-HF
Role:	Principal Investigator
Percent effort:	N/A
Total costs for project period:	
Project period:	11/13/2018-01/02/2020

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:

2023 Late Breaking Clinical Trial, European Heart Failure Society Meeting (Prague): A Cluster-Randomized PRagmatic Trial Aimed At ImprOving Use Of Guideline Directed Medical Therapy In Acute Heart Failure: PROMPT-AHF

2022 Late Breaking Clinical Trial, American College of Cardiology Annual Meeting (Washington DC): A Cluster-Randomized PRagmatic Trial Aimed At ImprOving Use Of Guideline Directed Medical Therapy In OutPatienTs With Heart Failure: PROMPT-HF

2021 Late Breaking Clinical Trial, American Heart Association Meeting (Dallas) Risk Evaluation and Its Impact on Clinical Decision Making and Outcomes in Heart Failure: The REVeAL-HF Trial

2021 Brigham and Women's Hospital, Harvard Medical School. "Creating a Learning Health Care System for Heart Failure".

2021 National Institute of Health: "The Yale New Haven Health System as an Evidence Generation Ecosystem for Heart Failure."

2020 Heart Failure Society of America (Virtual). "Machine Learning to Guide Therapeutic Strategic in HFpEF: Fact or Fiction?"

2019 American Heart Association, Philadelphia, PA. "Use of the Electronic Health Record to do Clinical Trials".

2019 Inova Heart Failure Symposium, Washington, DC. "Management of Patients with Advanced Heart Failure".

2019 American College of Cardiology, New Orleans, LA. "Management of Heart Failure Patients with Cardio-Renal Syndrome".

2019 Cardiology Grand Rounds, Sentara Healthcare, Norfolk, VA. "Defining Heart Failure and Why it Matters".

2018 Heart Failure Collaboratory/FDA Joint Symposium, Washington, DC. "Electronic Health Records in Clinical Trials".

2018 INOVA Acute Heart Failure Symposium, Washington, DC. "Management of LVAD Patients"

2017 Global Cardiovascular Clinical Trialists Forum, Washington, DC. "Using Advanced Analytics in Clinical Trials"

2017 Heart Failure Society of America, Grapevine, TX. "Characteristics of Heart Failure with Recovered Ejection Fraction".

2017 Invited Plenary Session, American Association of Heart Failure Nurses, Orlando, FL. "Using Biomarkers to Treat Heart Failure".

2017 American College of Cardiology, Washington, DC. "Machine Learning for Phenotyping of Heart Failure".

2016 American Heart Association. New Orleans, Louisiana. "Phenotyping Heart Failure with Reduced Systolic Function". Invited Oral Session.

2015 Cardiology Grand Rounds, Duke Clinical Research Institute, Durham, NC. "The History of Heart Failure and What It Can Teach Us About the Future".

Professional Service:

Peer Review Groups/Grant Study Sections

2019 - 2020 Reviewer, American Heart Association - Institute for Precision Cardiovascular Medicine

2020 Reviewer, AHA/ACC. 2020 Appropriate Use Criteria (AUC) manuscript on Implantable Cardioverter-Defibrillators (ICD), Cardiac Resynchronization Therapy (CRT), and Pacing
2020 Reviewer, American College of Cardiology, Expert Consensus Decision Pathway for Optimization of Heart Failure Treatment

Advisory Boards

2019 - 2023 Scientific Advisor, Heart Failure Advisory Board, Amgen
2019 - 2022 Advisor, Cardio Renal Syndrome, Relypsa
2019 - 2023 Publications Committee, Cytokinetics
2018 - present Chair, Heart Failure Collaboratory Digital Health & Technology Working Group, Food and Drug Administration
2019 - 2022 Steering Committee HF-eVOLUTION Clinical Trial (NCT04292275)

Journal Service

Senior Guest Editor

2021 - 2022 *Journal of Cardiac Failure*

Associate Editor

2020 - present *Journal of the American College of Cardiology: Heart Failure*

Editorial Board

2017 - present *American Heart Journal*
2020 - present *American Journal of Cardiology*

Reviewer

New England Journal of Medicine, The Lancet, Journal of American College of Cardiology, Circulation, European Heart Journal, Journal of the American Medical Association: Cardiology, Journal of Health and Lung Transplant, JACC: Heart Failure, Journal of the American Heart Association, Circulation: Heart Failure, Journal of Cardiac Failure, American Heart Journal, American Journal of Cardiology, PLOS Medicine.

Professional Service for Professional Organizations

American College of Cardiology

2018 - 2019 Writing Committee Member, American College of Cardiology- Expert Consensus Guidelines Committee
2020-2022 Innovation Section Leadership Council

American Heart Association

2018-2022 QCOR Leadership Committee

Yale University Service

Medical School Committees

2019 - 2022 Member, Faculty Advisory Council

Meeting Planning/Participation

2019 - present Director, Annual Yale Heart Failure Symposium

Bibliography (N=184):

https://www.ncbi.nlm.nih.gov/myncbi/1to--N9bRxq5l/bibliography/public/

Selected Peer-Reviewed Original Research

1. Gharavi AG, **Ahmad T**, Wong RD, Hooshyar R, Vaughn J, Oller S, Frankel RZ, Bruggeman LA, D'Agati VD, Klotman PE, Lifton RP. Mapping a locus for susceptibility to HIV-1-associated nephropathy to mouse chromosome 3. Proceedings of The National Academy of Sciences of The United States of America 2004, 101:2488-93.
2. **Ahmad T**. A piece of my mind. Nana's words. JAMA 2010, 303:1577-8.
3. **Ahmad T**, Chasman DI, Mora S, Paré G, Cook NR, Buring JE, Ridker PM, Lee IM. The fat-mass and obesity-associated (FTO) gene, physical activity, and risk of incident cardiovascular events in white women. American Heart Journal 2010, 160:1163-9.
4. **Ahmad T**, Chasman DI, Buring JE, Lee IM, Ridker PM, Everett BM. Physical activity modifies the effect of LPL, LIPC, and CETP polymorphisms on HDL-C levels and the risk of myocardial infarction in women of European ancestry. Circulation. Cardiovascular Genetics 2011, 4:74-80.
5. **Ahmad T**, Lee IM, Paré G, Chasman DI, Rose L, Ridker PM, Mora S. Lifestyle interaction with fat mass and obesity-associated (FTO) genotype and risk of obesity in apparently healthy U.S. women. Diabetes Care 2011, 34:675-80.
6. Kilpeläinen TO, Qi L, Brage S, Sharp SJ, Sonestedt E, Demerath E, **Ahmad T**, Mora S, Kaakinen M, Sandholt CH, Holzapfel C, Autenrieth CS, Hyppönen E, Cauchi S, He M, Kutalik Z, Kumari M, Stančáková A, Meidtner K, Balkau B, Tan JT, Mangino M, Timpson NJ, Song Y, Zillikens MC, Jablonski KA, Garcia ME, Johansson S, Bragg-Gresham JL, Wu Y, van Vliet-Ostaptchouk JV, Onland-Moret NC, Zimmermann E, Rivera NV, Tanaka T, Stringham HM, Silbernagel G, Kanoni S, Feitosa MF, Snitker S, Ruiz JR, Metter J, Larrad MT, Atalay M, Hakanen M, Amin N, Cavalcanti-Proença C, Grøntved A, Hallmans G, Jansson JO, Kuusisto J, Kähönen M, Lutsey PL, Nolan JJ, Palla L, Pedersen O, Pérusse L, Renström F, Scott RA, Shungin D, Sovio U, Tammelin TH, Rönnemaa T, Lakka TA, Uusitupa M, Rios MS, Ferrucci L, Bouchard C, Meirhaeghe A, Fu M, Walker M, Borecki IB, Dedoussis GV, Fritsche A, Ohlsson C, Boehnke M, Bandinelli S, van Duijn CM, Ebrahim S, Lawlor DA, Gudnason V, Harris TB, Sørensen TI, Mohlke KL, Hofman A, Uitterlinden AG, Tuomilehto J, Lehtimäki T, Raitakari O, Isomaa B, Njølstad PR, Florez JC, Liu S, Ness A, Spector TD, Tai ES, Froguel P, Boeing H, Laakso M, Marmot M, Bergmann S, Power C, Khaw KT, Chasman D, Ridker P, Hansen T, Monda KL, Illig T, Järvelin MR, Wareham NJ, Hu FB, Groop LC, Orho-Melander M, Ekelund U, Franks PW, Loos RJ. Physical activity attenuates the influence of FTO variants on obesity risk: a meta-analysis of 218,166 adults and 19,268 children. PLoS Medicine 2011, 8:e1001116.
7. Felker GM, Fiuzat M, Thompson V, Shaw LK, Neely ML, Adams KF, Whellan DJ, Donahue MP, **Ahmad T**, Kitzman DW, Piña IL, Zannad F, Kraus WE, O'Connor CM. Soluble ST2 in ambulatory patients with heart failure: Association with functional capacity and long-term outcomes. Circulation. Heart Failure 2013, 6:1172-9.
8. **Ahmad T**, Becker RC. The unmet need for philanthropic funding of early career cardiovascular investigators. Journal of Thrombosis and Thrombolysis 2014, 37:527-31.
9. Fiuzat M, Schulte PJ, Felker M, **Ahmad T**, Neely M, Adams KF, Donahue MP, Kraus WE, Piña IL, Whellan DJ, O'Connor CM. Relationship between galectin-3 levels and mineralocorticoid receptor antagonist use in heart failure: analysis from HF-ACTION. Journal of Cardiac Failure 2014, 20:38-44.
10. **Ahmad T**, Fiuzat M, Mark DB, Neely B, Neely M, Kraus WE, Kitzman DW, Whellan DJ, Donahue M, Zannad F, Piña IL, Adams K, O'Connor CM, Felker GM. The effects of

exercise on cardiovascular biomarkers in patients with chronic heart failure. American Heart Journal 2014, 167:193-202.e1.

11. **Ahmad T**, Fiuzat M, Neely B, Neely ML, Pencina MJ, Kraus WE, Zannad F, Whellan DJ, Donahue MP, Piña IL, Adams KF, Kitzman DW, O'Connor CM, Felker GM. Biomarkers of myocardial stress and fibrosis as predictors of mode of death in patients with chronic heart failure. JACC. Heart Failure 2014, 2:260-8.
12. Felker GM, **Ahmad T**, Anstrom KJ, Adams KF, Cooper LS, Ezekowitz JA, Fiuzat M, Houston-Miller N, Januzzi JL, Leifer ES, Mark DB, Desvigne-Nickens P, Paynter G, Piña IL, Whellan DJ, O'Connor CM. Rationale and design of the GUIDE-IT study: Guiding Evidence Based Therapy Using Biomarker Intensified Treatment in Heart Failure. JACC. Heart Failure 2014, 2:457-65.
13. **Ahmad T**, Pencina MJ, Schulte PJ, O'Brien E, Whellan DJ, Piña IL, Kitzman DW, Lee KL, O'Connor CM, Felker GM. Clinical implications of chronic heart failure phenotypes defined by cluster analysis. Journal of The American College of Cardiology 2014, 64:1765-74.
14. **Ahmad T**, Yin P, Saffitz J, Pockros PJ, Lalezari J, Shiffman M, Freilich B, Zamparo J, Brown K, Dimitrova D, Kumar M, Manion D, Heath-Chiozzi M, Wolf R, Hughes E, Muir AJ, Hernandez AF. Cardiac dysfunction associated with a nucleotide polymerase inhibitor for treatment of hepatitis C. Hepatology. 2015, 62:409-16.
15. **Ahmad T**, O'Brien EC, Schulte PJ, Stevens SR, Fiuzat M, Kitzman DW, Adams KF, Kraus WE, Piña IL, Donahue MP, Zannad F, Whellan DJ, O'Connor CM, Felker GM. Evaluation of the Incremental Prognostic Utility of Increasingly Complex Testing in Chronic Heart Failure. Circulation. Heart Failure 2015, 8:709-16.
16. **Ahmad T**, Wang T, O'Brien EC, Samsky MD, Pura JA, Lokhnygina Y, Rogers JG, Hernandez AF, Craig D, Bowles DE, Milano CA, Shah SH, Januzzi JL, Felker GM, Patel CB. Effects of left ventricular assist device support on biomarkers of cardiovascular stress, fibrosis, fluid homeostasis, inflammation, and renal injury. JACC. Heart Failure 2015, 3:30-39.
17. Mentz RJ, Greiner MA, DeVore AD, Dunlay SM, Choudhary G, **Ahmad T**, Khazanie P, Randolph TC, Griswold ME, Eapen ZJ, O'Brien EC, Thomas KL, Curtis LH, Hernandez AF. Ventricular conduction and long-term heart failure outcomes and mortality in African Americans: insights from the Jackson Heart Study. Circulation. Heart Failure 2015, 8:243-51.
18. Hanberg JS, Sury K, Wilson FP, Brisco MA, **Ahmad T**, Ter Maaten JM, Broughton JS, Assefa M, Tang WH, Parikh CR, Testani JM. Reduced Cardiac Index Is Not the Dominant Driver of Renal Dysfunction in Heart Failure. Journal of The American College of Cardiology 2016, 67:2199-2208.
19. **Ahmad T**, Kelly JP, McGarrah RW, Hellkamp AS, Fiuzat M, Testani JM, Wang TS, Verma A, Samsky MD, Donahue MP, Ilkayeva OR, Bowles DE, Patel CB, Milano CA, Rogers JG, Felker GM, O'Connor CM, Shah SH, Kraus WE. Prognostic Implications of Long-Chain Acylcarnitines in Heart Failure and Reversibility with Mechanical Circulatory Support. Journal of The American College of Cardiology 2016, 67:291-9.
20. Mamtani R, Lewis JD, Scott FI, **Ahmad T**, Goldberg DS, Datta J, Yang YX, Boursi B. Disentangling the Association between Statins, Cholesterol, and Colorectal Cancer: A Nested Case-Control Study. PLoS Medicine 2016, 13:e1002007.
21. Hanberg JS, Rao V, Ter Maaten JM, Laur O, Brisco MA, Perry Wilson F, Grodin JL, Assefa M, Samuel Broughton J, Planavsky NJ, **Ahmad T**, Bellumkonda L, Tang WH, Parikh CR,

Testani JM. Hypochloremia and Diuretic Resistance in Heart Failure: Mechanistic Insights. Circulation. Heart Failure 2016, 9.

22. **Ahmad T**, Desai N, Wilson F, Schulte P, Dunning A, Jacoby D, Allen L, Fiuzat M, Rogers J, Felker GM, O'Connor C, Patel CB. Clinical Implications of Cluster Analysis-Based Classification of Acute Decompensated Heart Failure and Correlation with Bedside Hemodynamic Profiles. PloS One 2016, 11:e0145881.
23. Ikuta K, Wang Y, Robinson A, **Ahmad T**, Krumholz HM, Desai NR. National Trends in Use and Outcomes of Pulmonary Artery Catheters Among Medicare Beneficiaries, 1999-2013. JAMA Cardiology 2017, 2:908-913.
24. Wang T, O'Brien EC, Rogers JG, Jacoby DL, Chen ME, Testani JM, Bowles DE, Milano CA, Felker GM, Patel CB, Bonde PN, **Ahmad T**. Plasma Levels of MicroRNA-155 Are Upregulated with Long-Term Left Ventricular Assist Device Support. American Society for Artificial Internal Organs Journal 2017, 63:536-541.
25. Hanberg JS, Tang WH, Wilson FP, Coca SG, **Ahmad T**, Brisco MA, Testani JM. An exploratory analysis of the competing effects of aggressive decongestion and high-dose loop diuretic therapy in the DOSE trial. International Journal of Cardiology 2017, 241:277-282.
26. Parikh KS, Rao Y, **Ahmad T**, Shen K, Felker GM, Rajagopal S. Novel approach to classifying patients with pulmonary arterial hypertension using cluster analysis. Pulmonary Circulation 2017, 7:486-493.
27. Rao VS, Planavsky N, Hanberg JS, **Ahmad T**, Brisco-Bacik MA, Wilson FP, Jacoby D, Chen M, Tang WHW, Cherney DZI, Ellison DH, Testani JM. Compensatory Distal Reabsorption Drives Diuretic Resistance in Human Heart Failure. Journal of The American Society Of Nephrology: JASN 2017, 28:3414-3424.
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30. **Ahmad T**, Jackson K, Rao VS, Tang WHW, Brisco-Bacik MA, Chen HH, Felker GM, Hernandez AF, O'Connor CM, Sabbisetti VS, Bonventre JV, Wilson FP, Coca SG, Testani JM. Worsening Renal Function in Patients with Acute Heart Failure Undergoing Aggressive Diuresis Is Not Associated with Tubular Injury. Circulation 2018, 137:2016-2028.
31. **Ahmad T**, Lund LH, Rao P, Ghosh R, Warier P, Vaccaro B, Dahlström U, O'Connor CM, Felker GM, Desai NR. Machine Learning Methods Improve Prognostication, Identify Clinically Distinct Phenotypes, and Detect Heterogeneity in Response to Therapy in a Large Cohort of Heart Failure Patients. Journal of The American Heart Association 2018, 7.
32. Patel S, Poojary P, Pawar S, Saha A, Patel A, Chauhan K, Correa A, Mondal P, Mahajan K, Chan L, Ferrandino R, Mehta D, Agarwal SK, Annapureddy N, Patel J, Saunders P, Crooke G, Shani J, **Ahmad T**, Desai N, Nadkarni GN, Shetty V. National Landscape of Unplanned 30-Day Readmissions in Patients with Left Ventricular Assist Device Implantation. The American Journal of Cardiology 2018, 122:261-267.
33. Ferreira JP, Duarte K, McMurray JJV, Pitt B, van Veldhuisen DJ, Vincent J, **Ahmad T**, Tromp J, Rossignol P, Zannad F. Data-Driven Approach to Identify Subgroups of Heart

Failure With Reduced Ejection Fraction Patients With Different Prognoses and Aldosterone Antagonist Response Patterns. Circulation. Heart Failure 2018, 11:e004926.

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35. Mori M, McCloskey G, Geirsson A, Mangi AA, Yun JJ, Jacoby D, **Ahmad T**, Bellumkonda L, Lee F, Chen ME, Bonde P. Improving Outcomes in INTERMACS Category 1 Patients with Pre-LVAD, Awake Venous-Arterial Extracorporeal Membrane Oxygenation Support. ASAIO Journal 2019, 65:819-826.
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37. Desai NR, Udell JA, Wang Y, Spatz ES, Dharmarajan K, **Ahmad T**, Julien HM, Annapureddy A, Goyal A, de Lemos JA, Masoudi FA, Bhatt DL, Minges KE, Krumholz HM, Curtis JP. Trends in Performance and Opportunities for Improvement on a Composite Measure of Acute Myocardial Infarction Care. Circulation. Cardiovascular Quality And Outcomes 2019, 12:e004983.
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43. Miller PE, Patel S, Saha A, Guha A, Pawar S, Poojary P, Ratnani P, Chan L, Kamholz SL, Alviar CL, van Diepen S, Nasir K, **Ahmad T**, Nadkarni GN, Desai NR. National Trends in Incidence and Outcomes of Patients with Heart Failure Requiring Respiratory Support. The American Journal of Cardiology 2019, 124:1712-1719.
44. Januzzi JL, **Ahmad T**, Mulder H, Coles A, Anstrom KJ, Adams KF, Ezekowitz JA, Fiuzat M, Houston-Miller N, Mark DB, Piña IL, Passmore G, Whellan DJ, Cooper LS, Leifer ES, Desvigne-Nickens P, Felker GM, O'Connor CM. Natriuretic Peptide Response and Outcomes in Chronic Heart Failure With Reduced Ejection Fraction. Journal Of The American College Of Cardiology 2019, 74:1205-1217.

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46. McCullough M, Caraballo C, Ravindra NG, Miller PE, Mezzacappa C, Levin A, Gruen J, Rodwin B, Reinhardt S, van Dijk D, Ali A, **Ahmad T**, Desai NR. Neurohormonal Blockade and Clinical Outcomes in Patients With Heart Failure Supported by Left Ventricular Assist Devices. JAMA Cardiology 2019.
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49. Owusu-Guha J, Guha A, Miller PE, Pawar S, Dey AK, **Ahmad T**, Attar H, Awan FT, Mitchell D, Desai NR, Addison D. Contemporary utilization patterns and outcomes of thrombolytic administration for ischemic stroke among patients with cancer. International Journal of Stroke: Official Journal Of The International Stroke Society 2019, 1747493019895709.
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51. Thomas A, Papoutsidakis N, Spatz E, Testani J, Soucier R, Chou J, **Ahmad T**, Darr U, Hu X, Li F, Chen ME, Bellumkonda L, Sumathipala A, Jacoby D. Access and Outcomes Among Hypertrophic Cardiomyopathy Patients in a Large Integrated Health System. Journal Of The American Heart Association 2020, 9:e014095.
52. Griffin M, Soufer A, Goljo E, Colna M, Rao VS, Jeon S, Raghavendra P, D'Ambrosi J, Riello R, Coca SG, Mahoney D, Jacoby D, **Ahmad T**, Chen M, Tang WHW, Turner J, Mullens W, Wilson FP, Testani JM. Real World Use of Hypertonic Saline in Refractory Acute Decompensated Heart Failure: A U.S. Center's Experience. JACC. Heart Failure 2020, 8:199-208.
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