

SECTION OF CARDIOLOGY



SECTION CHIEF
Christie M. Ballantyne, M.D.

The Section of Cardiology had another successful year. With more than 180 publications and more than 100 presentations at the American Heart Association (AHA) and the American College of Cardiology (ACC) meetings, the section remains a leader in academic cardiology and patient care. Baylor St. Luke's Medical Center was ranked #21 in the nation for Cardiology and has one of the largest LV assist device programs in the nation. Ben Taub Hospital is one of the highest-quality cardiology sections in a county hospital in the U.S. as recognized by awards from the AHA for quality in STEMI and heart failure. Baylor Cardiology at the Michael E. DeBakey Veterans Affairs Medical Center has the highest cath lab volumes in the nation, performs complex PCI and is a regional referral center for TAVR procedures.

Our outstanding faculty continues to provide high-quality care to our patients and, collectively, our faculty performed 59,151 outpatient visits, 36,996 echocardiograms, 3,998 nuclear studies, 6,993 invasive procedures, and more than 100,000 EKGs. Section members have key roles in the ACC, AHA, American Society of Preventive Cardiology, and National Lipid Association. Dr. Biykem Bozkurt is the upcoming President for the Heart Failure Society of America and Dr. Ray Stainback is a future President for the American Society of Echocardiography.

This annual report outlines some of the achievement and recognitions received in 2019.

A handwritten signature in black ink that reads "Christie M. Ballantyne". The signature is fluid and cursive.

Christie M. Ballantyne, M.D.
Professor of Medicine
Chief, Section of Cardiology

HIGHLIGHTS

Baylor St. Luke's Medical Center

- One of the best hospitals in cardiac and heart surgery (#21) per *US News and World Report*
- High performing in heart failure, heart bypass surgery, aortic valve surgery, and abdominal aortic aneurysm repair
- First transcatheter mitral valve replacement with the Intrepid valve (APOLLO study) in Houston, Texas

- Center of Excellence in Adult Congenital Heart Disease: Joint effort between BCM, BSLMC, and THI
- Additional Centers of Excellence: Advanced Cardiac Imaging, Amyloid, Sarcoid, and Atrial Fibrillation
- The Advanced Heart Failure and Transplant program is one of the highest-volume programs in the country for ventricular assist devices with excellent outcomes. Outcomes for the heart transplant program: 89%: 1-year survival vs 82.6% reported for the ISHLT registry

Ben Taub Hospital

- AHA 2019 Quality Achievement Award Mission: Lifeline
 - Gold: NSTEMI
 - Gold Plus: STEMI receiving center
- AHA 2019 Get With The Guidelines
 - Silver: Heart Failure
- Ben Taub Cardiology Cardiovascular Symposium held June 8, 2019

Michael E. DeBakey Veterans Affairs Medical Center

- Highest cardiac cath lab volume in the nation for the VA system; complex high-risk PCI with ventricular support devices, ECMO
- Among top three EP procedural volume in the nation, active with WATCHMAN (left atrial appendage occlusion), micra leadless pacemaker, first phrenic nerve pacing for central sleep apnea

Publications in High-Impact Journals

New England Journal of Medicine [IF: **70.67**]: 3

Nature Genetics [IF: **25.455**]: 1

European Heart Journal [IF: **23.239**]: 5

Circulation [IF: **23.054**]: 17

Annals of Internal Medicine [IF: **19.315**]: 1

Journal of the American College of Cardiology [IF: **18.639**]: 20

Endocrine Reviews [IF: **15.167**]: 1

JAMA Cardiology [IF: **11.866**]: 7

JACC Cardiovascular Imaging [IF: **10.975**]: 2

American Journal of Human Genetics [IF: **9.924**]: 1

JACC Heart Failure [IF: **8.91**]: 2

Neurology [IF: **8.689**]: 2

Kidney International [IF: **8.306**]: 1

FACULTY

Section Leadership

- Christie M. Ballantyne, M.D.
- Nasser M Lakkis, M.D.
- Biykem Bozkurt, M.D.
- Juan Carlos Plana Gomez, M.D.

Faculty

- Hamid Afshar, M.D.
- Mahboob Alam, M.D.
- Basant Arya, M.D.
- Yochai Birnbaum, M.D.
- Alvin Blaustein, M.D.
- Mihail G. Chelu, M.D.
- Andrew Civitello, M.D.
- Oliva Dinal Delossantos, M.D.
- Ali E. Denktas, M.D.,
- Anita Deswal, M.D.
- John Alan Farmer, M.D.
- Irakli Giorgberidze, M.D.
- Gabriel Habib, M.D.
- Ihab Rafic Hamzeh, M.D.
- Hani Jneid, M.D.
- Waleed T. Kayani, M.D.
- Srikanth Koneru, M.D.
- Glenn N. Levine, M.D.
- Tony S. Ma, M.D.
- Ronald Maag, M.D.
- Rita F. Marr, M.D.
- Ajith P. Nair, M.D.
- Vijay Nambi, M.D.
- Selby B. Oberton, M.D.
- David Paniagua, M.D.
- Dhaval Parekh, M.D.
- Allison M. Pritchett, M.D.
- Guilherme V. Silva, M.D.
- Leo Simpson, M.D.
- Rashed Tabbaa, M.D.
- Ziad A. Taimeh, M.D.
- Salim S. Virani, M.D.
- Xander Wehrens, M.D.
- Lily Zhang, M.D.

Professional Organization/Association Offices Held

Alam, Mahboob, M.D.

- Research and Publication Committee, NCDR Chest Pain and Acute MI Registry
- Research and Publication Committee, NCDR PINNACLE Registry
- Membership Committee, Society of Cardiac Angiography and Interventions

Arya, Basant, M.D.

- Task Force for Point of Care Ultrasound in Medical Education, American Society of Echocardiography

Ballantyne, Christie, M.D.

- Writing Committee, Expert Consensus Decision Pathway on the Role of Non-Statins Therapies for LDL-Cholesterol Lowering in the Management of Atherosclerotic Cardiovascular Disease Risk, American College of Cardiology (ACC)
- Board, American Society for Preventive Cardiology
- Board, National Lipid Association
- Scientific Meeting Committee, National Lipid Association
- Co-chair, Project Review Committee, National Lipid Association

Bozkurt, Biykem, M.D.

- Member, Question Writing Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- Member, Clinical Policy Approval Committee, ACC
- Member, Subspecialty Work Group, Membership Committee, ACC
- Member, Science and Quality Operations Subcommittee, ACC
- Chair, Heart Failure and Transplant Council, ACC
- Chair, ACCF/AHA Task Force on Clinical Data Standards
- Member, ACCF/AHA Task Force on Performance Metrics
- President-Elect, Heart Failure Society of America
- Member, Board of Directors, Heart Failure Society of America
- Treasurer, Heart Failure Society of America
- Chair, Finance Committee, Heart Failure Society of America
- Member, Development Committee, Heart Failure Society of America
- Member, International Relations Committee, Heart Failure Society of America
- Member, Nominations Committee, Heart Failure Society of America

Denktas, Ali, M.D.

- Member, Competency Management Committee, ACC
- Member, Exhibits Committee, ACC
- Member, Education Committee, Society for Cardiovascular Angiography and Interventions
- Co-chair, Education Workgroup, Federal Cardiology Section, ACC
- Member, Federal Cardiology Leadership Council, ACC

Deswal, Anita, M.D.

- Topic Coordinator, Annual Scientific Session Program Committee (Heart Failure), ACC
- Member, Annual Scientific Session Program Committee (Heart Failure), ACC
- Member and AHA representative, Measures Advisory Committee of the Physician Consortium for Performance Improvement, 2019-2022
- Project Leader, ISHLT and HFSA Guideline on Acute Mechanical Circulatory Support, 2018-present
- Member, 2019 Heart Failure Society of America Annual Scientific Session Program Committee, 2018-2019
- Member, Guideline writing committee for the ACC/AHA guideline on Hypertrophic Cardiomyopathy, 2018-current
- Member, Heart Failure Systems of Care Advisory Group of the AHA/American Stroke Association, July, 2018 - June, 2020

Fedson, Savitri, M.D.

- Member, Committee, Advanced Heart Failure and Cardiac Transplant, American Board of Internal Medicine
- Member, Ethics Committee, Heart Failure Society of America
- Member, Writing Committee, Heart Failure Society of America

Hamzeh, Ihab, M.D.

- Member, ABIM Governance: Cardiovascular Disease Item-Writing Task Force

Levine, Glenn, M.D.

- Chair, ACC/AHA Task Force on Clinical Practice Guidelines
- Member, AHA Manuscript Oversight Committee
- Member, AHA Scientific Statement Task Force for Updating AHA Scientific Statement
- Member, ACC/AHA Leadership Ad Hoc Committee on Guideline Optimization
- Pet Science Advisor, AHA Pet Companion Initiative

Nair, Ajith, M.D.

- Member, Heart Failure and Transplantation Committee, Council on Clinical Cardiology, AHA
- Member, National Standards Committee for Heart Failure Care, Catholic Health Initiatives
- Member, United Network of Organ Sharing Region 4 Review Committee

Nambi, Vijay, M.D.

- Member, Planning Committee (Prevention), Annual Scientific Session, ACC

Stainback, Raymond, M.D.

- Vice President, American Society of Echocardiography

Virani, Salim, M.D.

- Co-Chair, Global CVD Prevention Program, ACC
- Chair, Leadership Council and Council for the Prevention of Cardiovascular Disease, ACC
- Appointed Member, NCDR Management Board for the ACC

- Chair, Research and Publications Committee, PINNACLE Registry, National Cardiovascular Data Registry, ACC
- Member, Planning Committee, Roundtable on Cardiovascular Risk Communication for Patients and Their Clinicians
- Member, Planning Committee, Roundtable on LDL and Beyond: Emerging Management Strategies for Patients with Dyslipidemia
- Topic Coordinator (Prevention), Annual Scientific Session Program Committee, ACC
- Member, Steering Committee, ACC.org
- Chair, Heart Disease and Stroke Statistics Committee, AHA
- Member, EPI Leadership Committee, Council on Epidemiology and Prevention, AHA
- Board of Directors, American Society of Preventive Cardiology

Editorial Board Memberships and Editorial Positions

Ballantyne, Christie, M.D.

- Editor, lipidsonline.org
- Chair, Advisory Board, BioCritique Cardiovascular Forum
- Editorial Board, *Circulation*
- Editorial Board, *Clinical and Translational Science*
- Editorial Board, *Current Cardiology Reviews*
- Editorial Board, *Future Lipidology*

Birnbaum, Yochai, M.D.

- Editorial Board, *Annals of Noninvasive Electrocardiology*
- Associate Editor, *Cardiovascular Drugs and Therapy*
- Editorial Board, *Current Pharmaceutical Design*
- Editorial Board, *International Journal of Clinical Cardiology*
- Honorary Editor-in-Chief, *Journal of Cardiology and Therapy*
- Editorial Board, *Journal of Cardiovascular Medicine and Therapy*
- Editorial Board, *Journal of Cardiovascular Pharmacology and Therapeutics*
- Editorial Board, *Journal of Geriatric Cardiology*
- Editorial Board, *Journal of Heart Surgery and Treatment*
- Special Section Editor, "Clinical Trials," *Journal of Electrocardiology*
- Section Editor, "Cardiology," *Open Cardiovascular Medicine Journal*
- Editorial Board, *Reviews in Cardiovascular Medicine*
- Editorial Board, *Texas Heart Journal*

Bozkurt, Biykem, M.D.

- Senior Associate Editor, *Circulation*
- Associate Editor, *Circulation Heart Failure*
- Editorial Board, *CurrentMD*

- Editorial Board, *Journal of American College of Cardiology*
- Section Editor, "Heart Failure," *Journal of American College of Cardiology*

Denktas, Ali, M.D.

- Editorial Board, *Anatolian Cardiology Journal*
- Editorial Board, *Marmara University Journal*

Deswal, Anita, M.D.

- Guest Editor, *Circulation Heart Failure*
- Editorial Board, *Journal of American College of Cardiology*
- Editorial Board, *Journal of Cardiac Failure*

Diez, Jose, M.D.

- Editorial Board, *Cardiovascular Pharmacology*
- Editorial Board, *Journal of Clinical & Experimental Cardiology*
- Associate Editor, *Texas Heart Institute Journal*

Nambi, Vijay, M.D.

- Editorial Board, *Circulation*
- Editorial Board, *DynaMed Plus*
- Editorial Board, *Circulation*

Virani, Salim, M.D.

- Associate Editor, Innovations, ACC.org
- Guest Editor, *Circulation*
- Editorial Board, *Circulation*
- Section Editor, "Coronary Heart Disease," *Current Atherosclerosis Reports*
- Associate Editor, *Journal of Clinical Lipidology* (Section specialty: Cardiovascular Outcomes and Guidelines)

Other Significant Accomplishments

Alam, Mahboob, M.D.

- Appointed Associate Director for Cardiology Fellowship Program (BSLMC Site)
- Presented more than 10 abstracts at ACC/SCAI/AHA

Birnbaum, Yochai, M.D.

- Invited lecture, Approach to the interpretation of the 12-lead ECGs of pacemaker/ICDs. 2018 International Congress on Electrocardiology, 45th Congress of the International Society of Electrocardiology and 18th Congress of the International Society for Holter and Noninvasive Electrocardiology. Chiba, Japan. June 28-30, 2018
- Invited lecture, Anterior STEMI- new classification based on cMR correlation. 2018 International Congress on Electrocardiology. 45th Congress of the International Society of Electrocardiology and 18th Congress of the International Society for Holter and Noninvasive Electrocardiology. Chiba, Japan. June 28-30, 2018
- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lesions learnt from rodent models. 2nd International Conference on Diabetes and its Complications. Oct. 22-24, 2018 Houston, Texas

- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lessons learnt from rodent models. 14th World Congress on Endocrinology & Diabetes. Nov. 21-22. Paris, France
- Invited lecture, SGLT-2 inhibitors and the heart: Mechanisms of protection. Key note lecture. World Congress on Hypertension and Cardiovascular Diseases. Nov. 21-22. Paris, France
- Invited lecture, Interpretation of ECGs of patients with pacemakers and ICDs. World Congress on Hypertension and Cardiovascular Diseases. Nov. 21-22. Paris, France
- Invited lecture, SGLT-2 inhibitors and the heart: mechanisms of protection. Key note lecture. The Fourth World Heart Congress. April 29-May 2, 2019. Kyoto, Japan
- Invited lecture, Potential pleiotropic effects of SGLT2- and DPP4- inhibitors, lessons learnt from rodent models. Key note lecture. Fourth World Heart Congress. April 29-May 2, 2019. Kyoto, Japan
- Invited lecture, Interpretation of ECGs of patients with pacemakers and ICDs. The Fourth World Heart Congress. April 29-May 2, 2019. Kyoto, Japan
- Invited lecture, Localization of MI: CMR-ECG correlations. 46th International Congress on Electrocardiology Joint Meeting of ISHNE and ISE. May 30-June 01, 2019. Belgrade, Serbia
- Invited lecture, 12-Lead Interpretation of Pacemakers/ICDs. 46th International Congress on Electrocardiology Joint Meeting of ISHNE and ISE. May 30-June 01, 2019. Belgrade, Serbia

Civitello, Andrew, M.D.

- Invited lecture, “Partnering with Nephrology to Improve heart Failure Patient Outcomes,” Abbott - Multidisciplinary Approach to Managing Heart Failure Patients, Minneapolis, MN, Oct. 27, 2018
- Invited lecture, "Advanced Heart Failure Management: Timing is Everything," Abbott - Multidisciplinary Approach to Managing Heart Failure Patients, Minneapolis, MN, Oct. 27, 2018
- Invited lecture, "Treating Patients with CHF and LV Systolic Dysfunction by Treating Mitral Regurgitation," 18th Texas Update in Cardiovascular Advancements, Houston, Texas, Feb. 9, 2019
- Invited lecture, "The Optimal Support Platform in Shock: Let's Not Forget the IABP," 2nd Annual Houston Shock Symposium, Houston, Texas, March, 2, 2019
- Invited lecture, "Waiting for Transplantation: A Heart Transplant and LVAD Patient Perspective," Moderator. 4th Annual O.H. “Bud” Frazier Transplant Roundup Conference, Houston, Texas, March 29, 2019

Deswal, Anita, M.D.

- Presentation entitled, “The Intersection of heart failure and Diabetes: Epidemiology and Outcomes” and Panelist for session, Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Panelist for “Joint ACC/JAMA Late Breaking Clinical Trials,” Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Co-Chair for session, “HFpEF: Why Is My Patient Huffing and Puffing? How Can We Help?”; Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Co-Chair for session, “Highlighted Original Research: Heart Failure and Cardiomyopathies and Year in Review,” Annual Scientific Sessions of the ACC, New Orleans, LA, March 2019
- Presentation entitled, “Invasive and Noninvasive Hemodynamics in the CICU” in session, “Cardiovascular Seminar entitled Got Tech? Technology in a 21st Century Cardiac Intensive

Care Unit.” Annual Scientific Sessions of the American Heart Association, Chicago, IL, November 2018

- Moderator, “Cardiovascular Seminar entitled Got Tech? Technology in a 21st Century Cardiac Intensive Care Unit.” Annual Scientific Sessions of the AHA, Chicago, IL, November 2018
- Presentation entitled, “Weight Loss in HF: The Obesity Paradox” in session, “Help or Harm? Common Controversies in the Management of HF.” Annual Scientific Sessions of the Heart Failure Society of America, Nashville, TN, September 2018
- National Webinar for Get with the Guidelines – Heart Failure. Presentation entitled, “Foundations of HfpEF.” July 2018

Diez, Jose, M.D.

- Abstract presentation, Katsnelson, M. and J. Diez. Slow Coronary Flow is Associated with Left Ventricular Diastolic Dysfunction and Left Atrial Dilatation (2019). JACC: Cardiovascular Interventions 12: S35
- Abstract presentation, Katsnelson MA, Bhaljia M, Diez J. Risk Factor Analysis for Patients with Slow Coronary Flow (2018). Cardiology 140(S1): 233-242
- Faculty – “TAVI : Special Scenarios – Low flow, low gradient aortic stenosis” 11th International Symposium for Innovations and New Therapies in Heart Failure. Zagreb, Croatia. Sept. 5-8, 2018
- Faculty – “PCI Pharmacotherapy: Periprocedural Antithrombotic and Antiplatelet Therapy. Session I. Discussant.” TCT CRF, San Diego, CA. Sept. 21-25, 2018
- Faculty – 1. “From Newborn to Adult – Aortic Stenosis. Panel” and 2. “Is there a role for TAVI in the young. Presenter.” CSI Frankfurt 2019. Frankfurt, Germany. June 26-29, 2019
- Teaching coordinator BCM cardiovascular programs: Cardiovascular Disease (A) SLEH-141482112042-0 (Cardiovascular Disease Fellowship Program: HGCA at BCM)
- Teaching coordinator BCM cardiovascular programs: Internal Medicine-BSLMC CARD1 – 140482142242-0 (Cardiology: HGCA at BCM Clinical Cardiology Consultation Service)

Fedson, Savitri, M.D.

- Invited attendee/speaker Consensus Symposium on Simultaneous Multi Organ Transplant - American Transplant Congress, Boston 2018
- Speaker AAHFN Annual Meeting
- MiniDebates “Use of Pulmonary Artery Catheterization is Necessary for Cardiogenic Shock,” debating Lynne Warner Stevenson. AHA, Scientific Sessions, Nov. 11. Chicago, IL

Hamzeh, Ihab, M.D.

- Played a significant role in providing MOC credit for the ECHO Boot Camp conference in 2019

Kayani, Waleed, M.D.

- CRT Young Leaders Award
- Houston’s Top Doctors

Lakkis, Nasser, M.D.

- AHA award for the Section of Cardiology at Ben Taub: Get With The Guidelines-Heart Failure Silver, 2019
- AHA award for the Section of Cardiology at Ben Taub: Mission: Lifeline NSTEMI-GOLD Quality Achievement Award, 2019

- AHA award for the Section of Cardiology at Ben Taub: Mission: Lifeline STEMI Receiving Center –GOLD PLUS Quality Achievement Award, 2019
- AHA award for the Section of Cardiology at Ben Taub: Chest Pain-MI Registry, Performance Achievement Award-Platinum, 2019
- Grand rounds at UTSA: Quality care in Cardiology Apr 2019
- Grand rounds at University of Nebraska, Omaha 2019
- Invited to speak at AHA-QCOR Quality Conference in Washington, 2019
- Director and Organizer of Third Cardiovascular Symposium at Harris Health, 2019
- Instituted multiple Quality Metrics at Ben Taub (Radial First, In patient CHF management algorithm, hand hygiene, patient safety, etc.)

Levine, Glenn, M.D.

- Greater inner peace through meditation, mindfulness, and the study of Eastern philosophies

Misra, Arunima, M.D.

- Member, Selection Committee for Baylor’s Star Faculty Award for Excellence in Patient Care
- Member, Academy of Distinguished Educators
- Member, Vice-Chair Group for Faculty Development
- Member, Admissions Interviewing Subcommittee

Nair, Ajith, M.D.

- Site Principal Investigator: REDUCE LAP-HF II: Study to Evaluate the Corvia Medical Intra-atrial Septal Device System II to Reduce Elevated Left Atrial Pressure in patients with Heart Failure. Study Sponsor: Corvia.
- ACC Lecture: “Treatment Strategies for the Right Heart in Pulmonary Hypertension: Which Therapies, in Whom and When?” ACC (New Orleans, LA). March 16, 2019

Virani, Salim, M.D.

- Promotion to professor
- Guideline Writing Panel for the 2018 AHA/ACC Multisociety Guideline on the Management of Blood Cholesterol
- Guideline Writing Panel for the 2019 ACC/AHA Guideline on Primary Prevention of Cardiovascular Disease
- Panel Member for the World Heart Federation’s Diabetes and Cardiovascular Disease Road Map

RESEARCH ACTIVITIES

Grants

Ballantyne, Christie, M.D.

- Profiling Cardiovascular Events and Biomarkers in the Very Old to Improve Personalized Approaches for the Prevention of Cardiac and Vascular Disease; NIH/NHLBI (R01); annual direct costs \$549,802
- Atherosclerosis Risk in Communities Study–Field Centers; NIH; annual direct costs \$311,673
- Monocyte Activation and the Role of CD11c in Obesity-Linked Metabolic Syndrome; NIH/NHLBI (R01); annual direct costs \$241,769

- Diabetes and Prediabetes in Older Adults; NIH/NIDDK (R01); annual direct costs \$36,371
- miRNAs, Whole Diet, and Coronary Heart Disease; NIH/NHLBI (R56); total direct costs \$12,147
- Elucidating the Role of Adipokines in Mediating and Predicting HF Associated with Obesity; NIH/NHLBI (R01); annual direct costs \$185,441
- The Familial Hypercholesterolemia Foundation Cascade-FH Registry; Duke University; total direct costs \$20,000
- Measurement of Galectin-3 at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$31,500
- hsTroponin Screening at Visit 4 and Visit 5 for the Full ARIC Cohort; Abbott Laboratories; total direct costs \$371,965
- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 681257 Administered Subcutaneously to Patients with Hyperlipoproteinemia(a) and Established Cardiovascular Disease (CVD); Akcea Therapeutics; total direct costs \$172,510
- A Randomized, Double-blind, Placebo-controlled, Dose-ranging Phase 2 Study of ISIS 678354 Administered Subcutaneously to Patients with Hypertriglyceridemia and Established Cardiovascular Disease; Akcea Therapeutics; total direct costs \$206,886
- A Multicenter, Open-Label, Single-Arm, Extension Study to Assess Long-Term Safety of Evolocumab Therapy in Patients with Clinically Evident Cardiovascular Disease; Amgen Inc; total direct costs \$45,670
- A Randomized, Double-Blind, Placebo-Controlled Study to Assess the Effects of Bempedoic Acid (ETC-1002) on the Occurrence of Major Cardiovascular Events in Patients with, or at High Risk for, Cardiovascular Disease Who Are Statin Intolerant; Esperion Therapeutics; total direct costs \$40,614
- A Randomized, Double-Blind, Parallel-group Study to Evaluate the Efficacy and Safety of Bempedoic Acid 180 mg + Ezetimibe 10 mg Fixed-dose Combination Compared to Bempedoic Acid, Ezetimibe, and Placebo Alone in Patients Treated With Maximally Tolerated Statin Therapy; Esperion Therapeutics; total direct costs \$21,194
- A Multicenter Open-Label Extension Study to Assess the Long-term Safety and Efficacy of Bempedoic Acid (ETC-1002) 180 mg; Esperion Therapeutics; total direct costs \$22,400
- A Randomized, Double-Blind, Placebo-Controlled, Event-Driven Trial of Quarterly Subcutaneous Canakinumab in the Prevention of Recurrent Cardiovascular Events among Stable Post-Myocardial Infarction Patients with Elevated hsCRP; Novartis Pharmaceutical Company; total direct costs \$125,877
- A Randomized, Placebo-Controlled Study of the Safety and Efficacy Following Repeat-Dose Administration of Evinacumab (Anti-ANGPTL3) in Patients with Severe Hypertriglyceridemia (SHTG) at Risk for Acute Pancreatitis; Regeneron Pharmaceuticals; total direct costs \$65,000

Hamzeh, Ihab, M.D.

- A Long-Term Outcomes Study to Assess Statin Residual Risk Reduction with Epanova in High Cardiovascular Risk Patients with Hypertriglyceridemia (STRENGTH); Astra Zeneca; total direct costs \$131,115
- Pemafibrate to Reduce Cardiovascular Outcomes by Reducing Triglycerides in Patients with Diabetes; Kowa Research Institute; total direct costs \$3,361

Misra, Arunima, M.D.

- Care Optimization Through Patient and Hospital Engagement Clinical Trial for Heart Failure (CONNECT-HF); Duke University; total direct costs \$50,000 (08/07/2018–08/06/2021)

- A Multicenter, Randomized, Double-Blind, Double Dummy, Parallel Group, Active-Controlled 8-Week Study to Evaluate the Effect of Sacubitril and Valsartan (LCZ696) versus Enalapril on Changes in NT-proBNP and Safety and Tolerability of In-hospital Initiation of LCZ696 Compared to Enalapril in HFREF Patients Who Have Been Stabilized Following Hospitalization for Acute Decompensated Heart Failure; Novartis; total direct costs \$328,324
- A Multicenter, Randomized, Double-blind, Active-controlled, Parallel Group Phase 3 Study to Evaluate the Efficacy and Safety of LCZ696 Compared to Ramipril Morbidity and Mortality in High Risk Patients Following an Acute Myocardial Infarction; Novartis; total direct costs \$29,550
- A Multicenter, Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Omecamtiv Mecarbil on Mortality and Morbidity in Subjects with Chronic Heart Failure with Reduced Ejection Fraction; Amgen; total direct costs \$248,033

Nambi, Vijay, M.D.

- Biomarker Guided Therapies in Stage A/B Heart Failure; VA Office of Research and Development; annual direct costs \$14,189 (04/01/2014–03/31/2019)
- TIMI 55/REVEAL (Randomized Evaluation of the Effects of Anacetrapib through Lipid-Modification): A Large Scale, Randomized, Placebo-Controlled Trial of the Clinical Effects of Anacetrapib among People with Established Vascular Disease; Brigham and Women's Hospital; total direct costs \$150,000 (11/01/2011–05/09/2019)

Virani, Salim, M.D. (PI)

- Determining and Targeting Reasons for Low Statin Use to Improve Guideline-Concordant Statin Therapy in High-Risk Patients; VA Merit Award; total direct costs: \$1,097,703 (07/01/2017–06/30/2021)

Publications

American Heart Journal (IF **4.332**) – 1
 American Journal of Cardiology (IF **2.843**) – 2
 American Journal of Emergency Medicine (IF **1.704**) – 1
 American Journal of Epidemiology (IF **4.473**) – 1
 American Journal of Human Genetics (IF **9.025**) – 1
 Hypertension (IF **7.017**) – 1
 American Journal of Kidney Disease (IF **7.62**) – 1
 American Journal of Medicine (IF **5.003**) – 1
 American Journal of Perinatology (IF **1.581**) 1
 Angiology (IF 2.931) -1
 Annals of Internal Medicine (IF **19.315**) - 1
 Annals of Noninvasive Electrocardiology (IF **1.235**) – 4
 Annals of Thoracic and Cardiovascular Surgery (IF **5.261**) – 2
 Annals of Thoracic Surgery (IF **3.849**) – 2
 ASAIO (IF **2.494**) – 4
 Atherosclerosis (IF **4.239**) – 4
 BMC Cardiovascular Disorders (IF **1.947**) – 1
 BMJ Case Reports (IF N/A) – 1
 Cardiology and Therapy (IF N/A) – 1
 Cardiology (IF **1.994**) – 1
 Cardiovascular Diagnosis and Therapy (IF **2.006**) – 1

Cardiovascular Drugs and Therapy (IF **3.189**) – 3
Cardiovascular Endocrinology and Metabolism (IF N/A) – 1
Cardiovascular Research (IF **7.014**) – 2
CASE (IF N/A) – 2
Catherization and Cardiovascular Intervention (IF **2.551**) – 1
Cellular Physiology and Biochemistry (IF **5.5**) – 2
Circulation: Cardiovascular Quality and Outcomes (IF **4.906**) – 1
Circulation: Genomic and Precision Medicine (IF **23.054**) – 2
Circulation: Heart Failure (IF **6.286**) 1
Circulation (IF **23.054**) – 17
Cleveland Clinic Journal of Medicine (IF **1.855**) – 1
Clinical Cardiology (IF **2.431**) – 1
Clinical Chemistry (IF **8.008**) – 1
Clinical Journal of the American Society of Nephrology (IF **6.243**) – 1
Current Atherosclerosis Reports (IF **3.417**) – 5
Current Cardiology Report (IF **2.395**) – 1
Current Cardiovascular Risk Report (IF N/A) – 1
Current Diabetes Reports (IF **3.568**) – 1
Emergency Medicine Journal (IF **2.046**) – 1
Endocrine Reviews (IF **15.745**) – 1
European Heart Journal (IF **24.889**) – 4
Frontiers in Cardiovascular Medicine (IF N/A) – 1
Global Health (IF **3.208**) – 1
Health Policy and Planning (IF **2.717**) – 1
Heart Asia (IF **0.82**) – 1
Heart Failure Clinics (IF **1.41**) – 1
Heart Rhythm (IF **5.225**) – 1
Human Genetics (IF **3.930**) – 1
Human Molecular Genetics (IF **4.544**) – 1
Indian Heart Journal (IF **0.48**) – 2
International Journal of Cardiology (IF **4.034**) – 1
International Journal of Cardiovascular Imaging (IF **1.737**) – 1
International Journal of Stroke (IF **4.466**) – 1
Journal of the American College of Cardiology (IF **18.639**) – 20
Journal of the American Heart Association (IF **5.117**) – 6
Journal of Cardiac Failure (IF **3.942**) – 4
Journal of Cardiac Surgery (IF **1.351**) – 1
Journal of Cardiovascular Pharmacology and Therapeutics (IF **2.094**) – 1
Journal of Clinical Lipidology (IF **3.580**) – 1
Journal of Clinical Medicine (IF **5.688**) – 1
Journal of Critical Care (IF **2.191**) – 1
Journal of Electrocardiology (IF **1.363**) – 8
Journal of General Internal Medicine (IF **4.606**) – 2
Journal of Human Hypertension (IF **2.433**) – 1
Journal of Invasive Cardiology (IF **2.106**) – 1
Journal of Thrombosis and Haemostasis (IF **4.662**) – 1
Journal of Thoracic and Cardiovascular Surgery (IF **4.880**) – 2
Journal of Womens Health (IF **2.322**) – 1

JAAPA (IF **0.463**) -1
JACC: Cardiovascular Imaging (IF **10.975**) – 2
JACC: Heart Failure (IF **7.815**) – 2
JAMA: Cardiology (IF **11.866**) – 7
JAMA: Network Open (IF **51.273**) – 1
Kidney International (IF **8.395**) – 1
Methodist DeBakey Cardiovascular Journal (IF **0.740**) – 1
Texas Heart Institute Journal (IF **.758**) – 5
Thrombosis and Haemostasis (IF **4.952**) - 1

Books and Book Chapters

Fedson S. ISHLT Monograph Series Vol 12: Management of Fungal Infections in Mechanical Circulatory Support and Cardiothoracic Organ Transplant Recipients. UAB Printing. 2018
Nambi V (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019.
Saeed A, **Nambi V**, Jones PH. Advanced lipid testing. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:53–60.
Milks MW, **Nambi V**. Cardiac injury, maladaptation, and heart failure incidence. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:81–96.
Saeed A, **Ballantyne CM**. Future directions in the use of biomarkers for prevention of cardiovascular disease. In: **Nambi V** (ed). *Biomarkers in Cardiovascular Disease*, 1st Ed. St. Louis, MO: Elsevier, 2019:171–177.
Bozkurt B. Epidemiology, Pathophysiology and Diagnosis of Heart Failure in Heart Failure @Point of Care edited by Gregg Fonarow, M.D., Publisher: Projects in Knowledge Inc. 2018
Shah T and **Bozkurt B.** HIV and Heart Failure, Wayne Shandera. 2018
Bozkurt B. Heart Failure as a Consequence of Dilated Cardiomyopathy: in *A Companion to Heart Disease*, edited by Mann D.L., 2018, W.B. Saunders
Kayani W, Deswal A. Neurohormonal Blockade for Color Atlas and Synopsis of Heart Failure. 1st Edition. Ed. R. Baliga; McGraw Hill. 2018
Fedson S, Misra A, Deswal A. Treatment of Heart Failure with Preserved Ejection Fraction. In Heart Failure-a companion to Braunwald’s Heart Disease. 4th ed. Ed. Mann DL, Felker GM. Saunders Elsevier, Philadelphia. 2019
Fedson S. Cardiovascular Ethics in Braunwald’s Heart Disease, 11th ed.

HONORS AND AWARDS

Alam, Mahboob, M.D.

- Top Doctor, *Houstonia*, 2018

Ballantyne, Christie, M.D.

- Castle Connolly Top Doctors: Southeast Texas, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in Texas for the Speciality of Cardiovascular Disease, Castle Connolly Medical Ltd., 2018
- Castle Connolly Top Doctors in America, Castle Connolly Medical Ltd., 2019

- 2018 Highly Cited Researcher presented by Clarivate Analytics, Web of Science, top 1% of researchers most cited
- *U.S. News & World Report* list of top doctors, 2019
- Fellow, American Society for Preventive Cardiology, 2019
- Michael E. DeBakey, M.D., Excellence in Research Award, Baylor College of Medicine, 2019

Bozkurt, Biykem, M.D.

- Selected among top 100 Turks Leading Medicine, and ranked 16th from top by Turkish Time Magazine, 2018
- Selected among the Top 15 Turkish Women Scientists in Medicine, ranked 2nd by Turkish Time Magazine, 2019
- Ben and Margaret Love Foundation Bobby Alford Presidential Award for Academic Clinical Professionalism, Baylor College of Medicine (Highest Professionalism Award at Baylor College of Medicine), 2019

Denktas, Ali, M.D.

- Adjunct Professor, Cardiology, Koc University Medical Faculty, Istanbul, Turkey, 2019-Present

Diez, Jose, M.D.

- Accepted as Fellow: American College of Physicians, Philadelphia, PA. April 2019

Hamzeh, Ihab, M.D.

- Top Doctors, *Houstonia*, 2019

Lakkis, Nasser, M.D.

- Interventional Cardiology Teaching Award, 2019
- Inducted to Alpha Omega Alpha for life
- *Houstonia* Top Doctor 2019
- Castle Connolly List of top Doctors 2019
- Selected as a new member to ACC fellow research award committee, 2019
- Abstract reviewer TCT 2018

Levine, Glenn, M.D.

- Robertson Presidential Award for Educational Excellence, Baylor College of Medicine
- Gifted Educator Award, ACC

Misra, Arunima, M.D.

- Baylor College of Medicine Cardiology Outstanding Commitment to Teaching Award, June 2019

Nair, Ajith, M.D.

- *Houstonia* Top Doctors (Cardiology), 2019
- ACC Emerging Faculty Leadership Conference, ACC (December 2018)

Virani, Salim, M.D.

- Article of the Year Award for the Physician Assistant Education Association
- Inducted into Best Doctors database