

A photograph of the Baylor St. Luke's Medical Center building, a large glass skyscraper reflecting the sky and clouds. The building is the central focus of the image. In the top left corner, there is a dark blue rectangular box containing the text 'Baylor College of Medicine'. At the bottom of the image, there is a teal horizontal band containing the text '2022 ANNUAL REPORT'.

Baylor
College of
Medicine

Baylor St. Luke's
Medical Center

DEPARTMENT OF MEDICINE

2022 ANNUAL REPORT

The Margaret M. and Albert B. Alkek
DEPARTMENT OF MEDICINE
ACADEMIC ANNUAL REPORT 2022

Baylor College of Medicine

CHAIR'S MESSAGE

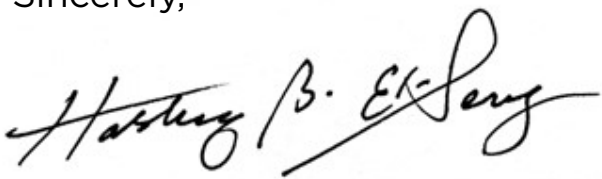
Dear Colleagues:

It is my pleasure to present to you the Department of Medicine's annual report for the year 2022. I am proud to say that we have achieved many significant milestones in the past year.

In the past year, we have made strategic investments in research, clinical care programs, medical education and training. These investments have allowed us to expand our capabilities and improve our offerings, which has resulted in a stronger competitive position for our patients, trainees and workers.

Looking ahead, we are optimistic about the future and are confident in our ability to continue delivering value to our patients and shareholders. We remain committed to innovation, integrity and excellence in our business practices and we are excited about the opportunities that lie ahead.

Sincerely,

A handwritten signature in black ink, reading "Hashem B. El-Serag". The signature is fluid and cursive, with the first name "Hashem" and last name "El-Serag" being the most prominent parts.

Hashem B. El-Serag, M.D., M.P.H.



Hashem B. El-Serag
M.D., M.P.H.

2022 ORGANIZATIONAL OVERVIEW

CHAIR

Hashem B. El-Serag, M.D., M.P.H.

OFFICE OF THE CHAIR

Vice Chair for Clinical Affairs

Vice Chair for Education

Vice Chair for Faculty and Staff Development

Vice Chair for Harris Health System/Ben Taub Hospital

Vice Chair for Quality Improvement and Innovation

Vice Chair for Research

Vice Chair for Veterans Affairs

Mandeep Bajaj, M.B.B.S.

Richard J. Hamill, M.D.

Sandra Haudek, Ph.D.

Hemant Roy, M.D.

Kyler Godwin, Ph.D.

Rolando Rumbaut, M.D., Ph.D.

Biykem Bozkurt, M.D., Ph.D.

SECTIONS

Cardiology

Cardiovascular Research

Endocrinology, Diabetes, and Metabolism

Epidemiology and Population Sciences

Gastroenterology and Hepatology

General Internal Medicine

Geriatrics and Palliative Medicine

Health Services Research

Hematology and Oncology

Immunology, Allergy, and Rheumatology

Infectious Diseases

Nephrology

Pulmonary, Critical Care and Sleep Medicine

Transition Medicine

Chief of Section

Christie Ballantyne, M.D.

Christie Ballantyne, M.D.

Mark Herman, M.D.

Christopher Amos, Ph.D.

Fasiha Kanwal, M.D., M.S.H.S.

Joslyn Fisher, M.D., M.P.H.

Aimee Garcia, M.D.

Laura Petersen, M.D., M.P.H., F.A.C.P.

Martha Mims, M.D.

Rashmi Maganti, M.D.

Thomas Giordano, M.D., M.P.H.

Wolfgang Winkelmayer, M.D., Sc.D.

Ivan Rosas, M.D.

Cynthia Peacock, M.D.

The Department of Medicine at Baylor College of Medicine is the professional home to over 1,800 professionals distributed across 14 sections. We have campus sites at Baylor St. Luke's Medical Center, the McNair Campus, Michael E DeBakey VA Medical Center, Harris Health System, Texas Children's Hospital, and the Pavilion for Women. We also have strong associations with numerous centers, programs, and organized research units. Our team is thrilled to celebrate our departmental achievements in research, patient care, and medical education and training.

THE DEPARTMENT OF MEDICINE

RESEARCH

In 2022, the research efforts of our department faculty were supported by \$120.3M in total extramural research funding including:

- \$77.2M from the NIH
- \$8.5M from the Veteran's Administration
- \$12.2M from other federal agencies
- \$17.7M from state and other non-federal sources
- \$4.7M from industry support

Two of our sections have NIH T32 grants to support research training in the fields of gastroenterology and infectious diseases.

CLINICAL CARE

Our physicians practice in Baylor St. Luke's Medical Center, the McNair Campus, Ben Taub Hospital, Michael E. DeBakey VA Medical Center and Houston Methodist Hospital. Many specialty and subspecialty services provided at these locations are nationally recognized as sites of premier clinical quality.

Patients receive state-of-the-art consultations, diagnoses and compassionate care from our world-renowned clinical staff. Our doctors specialize in diagnosing and treating various diseases ranging from heart disease, diabetes and allergies to breast cancer and cystic fibrosis. Teens with developmental disabilities transitioning into adult care receive personalized, quality care and social services through our unique Transition Medicine group.

EDUCATION

The Department of Medicine's education efforts train the next generation of leaders in medicine through medical school, graduate medical training, fellowships and internships. The Department of Medicine provides undergraduate medical education (UME) students a balance of training, exposure, and experience, which prepares them for graduate programs. Our faculty teaches two-thirds of the UME courses. Students first attend foundational sciences curriculum courses and then their clinical curriculum courses. Students choose one sub-internship, seven core clerkships and five or six clinical electives.

Students within the Internal Medicine sub-internship develop skills required for their internship. During these rotations, medical students experience increased autonomy, acting as interns supervised directly by senior residents and the attending physician. Students hone in on their history and physical skills, write orders and independently develop diagnostic and therapeutic plans. They expand their medical knowledge by using experiential and self-directed learning.

Our residencies are authorized by the Accreditation Council for Graduate Medical Education and its respective Residency Review Committees. We enroll highly competitive applicants each year and continue to match outstanding residents. Our graduates become leaders in Internal Medicine and its specialties, both academically and in clinical practice.

Beyond residency training, the Department of Medicine offers fellowships for two to four years of training in each major subspecialty, such as gastroenterology, cardiovascular disease, etc. This experience allows physicians to learn unique concepts, information and procedures for a particular subspecialty, with an opportunity to research if desired. Our department has more than 220 residents and more than 150 fellows.

Affiliations with leading research and healthcare institutions in the Texas Medical Center provide access to diverse people and resources. Our students and trainees can access numerous patients during these clerkships in various settings through our affiliation with eight leading healthcare institutions—all located in the world's largest medical center.

SECTION OF CARDIOLOGY

SECTION ACCOMPLISHMENTS

- The Baylor St. Luke's Medical Center (BSLMC) and the Texas Heart Institute (THI) are ranked 20th in the nation for cardiology and heart surgery in *U.S. News and World Report*, with high performance (5/5) for transcatheter aortic valve replacement (TAVR), heart failure and heart attack.
- Ranked #17 nationally by *U.S. News and World Report* for best global universities for the cardiac and cardiovascular systems, ranked #20 for publications and #15 for citations; ranked #17 for Cardiology by Expertscape.
- The Ben Taub Hospital received the American Heart Association/American Stroke Association's Get With The Guidelines-Stroke Gold Plus-Target: Stroke Honor Roll Elite Plus Award. It is a designated Chest Pain Center and a Mission: Lifeline Gold Plus Receiving Center for STEMI care.
- The Michael E. DeBakey VA Medical Center (MEDVAMC) is one of the leading VA Centers in pioneering cutting-edge and new technologies including the first phrenic nerve pacemaker stimulation to treat central sleep apnea, CardioMems pressure monitoring, orbital atherectomy and the leadless pacemaker.
- Several faculty members hold numerous national leadership positions, including President of the American Society of Echocardiography (Dr. Raymond Stainback) and the Immediate Past President of the Heart Failure Society of America (Dr. Biykem Bozkurt).
- Outstanding academic productivity included 348 journal articles published this year, including 104 in journals with an impact factor >10, and participated in 87 presentations at the annual scientific sessions of the American Heart Association and American College of Cardiology.



SECTION CHIEF

Christie M. Ballantyne, M.D.

FACULTY

Section Leadership

- Christie Ballantyne, M.D., Chief
- Waleed Kayani, M.D., Interim, Chief, Section of Cardiology, Ben Taub Hospital; acting Program Director, Interventional Fellowship (June 2022)
- Biykem Bozkurt, M.D., Ph.D., Medical Care Line Executive (Medicine Department Chair), MEDVAMC
- Juan Carlos Plana Gomez, M.D., Chief, Cardiovascular Service Line, BSLMC
- Glenn N. Levine, M.D., Chief, Cardiology Section, MEDVAMC
- Ronald Maag, M.D., FGP Medical Director and Medical Director, Baylor Heart Clinic
- Andrew Civitello, M.D., Director, Advanced Heart Failure, BSLMC, Program Director Advanced Heart Failure Fellowship
- Salim Virani, M.D., Program Director, Cardiology Fellowship
- Hani Jneid, M.D., Program Director, Interventional Fellowship (through May)
- Mohammad Saeed, M.D., Program Director, Electrophysiology Fellowship

FACULTY

Professor

- Hamid Afshar, M.D.
- Christie M. Ballantyne, M.D.
- Yochai Birnbaum, M.D.
- Biykem Bozkurt, M.D., Ph.D.
- Ali E. Denktas, M.D.
- John Alan Farmer, M.D.
- Savitri Fedson, M.D., M.A.
- Gabriel Habib, M.D.
- Glenn Levine, M.D.
- Neil E Strickman, M.D.
- Salim S. Virani, M.D., Ph.D.

Professor Emeritus

- Robert J. Hall, M.D.

Associate Professor

- Mahboob Alam, M.B.B.S.
- Basant Arya, M.D.
- Charles M. Bulathsinghala, M.D.
- Mihail G. Chelu, M.D., Ph.D.
- Andrew Civitello, M.D.
- Jose G Diez, M.D.
- Irakli Giorgberidze, M.D.
- Ihab Rafic Hamzeh, M.D.
- Sheila K. Heinle, M.D.
- Hani Jneid, M.D.
- Michael Mihalick, M.D.
- Arunima Misra, M.D.
- Vijay Nambi, M.D., Ph.D.
- David Paniagua, M.D.
- Juan Carlos Plana Gomez, M.D.
- Allison Michelle Pritchett, M.D.
- Abdi Rasekh, M.D.
- Mehdi Razavi, M.D.
- Mohammad Saeed, M.D.
- Leo Simpson, M.D.
- Raymond Stainback, M.D.
- Rashed Tabbaa, M.D.

Assistant Professor

- Steven Assalita, M.D.
- Oliva Dinal Delossantos, D.N.P.
- Florencia Griffin, P.A.
- Waleed Tallat Kayani, M.D.
- Shaden Khalaf, M.D.
- Mirza Umair Khalid, M.D.
- Srikanth Koneru, M.D.
- Jennifer Loveless, N.P.
- Tony S. Ma, M.D., Ph.D.
- Ronald Maag, M.D.
- Rita Frances Marr, M.D.
- Vanessa N. Medrano, M.D.
- Joanna Esther Molina Razavi, M.D.
- Tyler B. Moran, M.D., Ph.D.
- Ajith P. Nair, M.D.
- Joseph P Navarajo, M.D.
- Selby B. Oberton, M.D.
- Dhaval Parekh, M.D.
- Faisal Rahman, BMBCh
- Francia Rojas-Delgado, M.D.
- Paul Schurmann, M.D.
- Mourad H. Senussi, M.D., M.S.
- Monica Shields, M.D.
- Guilherme Vianna Silva, M.D.
- Ankit Upadhyay, M.D.
- Dominique Williams, M.D.
- Lola Xiaoying Xie, M.D.

Instructor

- Ana Clarissa Butac, N.P.
- Michelle Guthrie, N.P.
- Brittany Alise Knight, M.S.N., N.P.
- Mackenzie Koetting, N.P.
- Sini Mathew, N.P.
- Shalini Pappachan, N.P.
- Sandra Gwendolyn Stahl, N.P.
- CeCe Zhang, P.A.

HONORS AND ACHIEVEMENTS

Hamid Afshar, M.D.

- Editorial Board Member, *Texas Heart Institute Journal*

Mahboob Alam, M.B.B.S., M.D.

- Completed Career Advancement Series Certificate Program
- Top Doctor, *Houstonia Magazine*

Christie M. Ballantyne, M.D.

- Recipient, Common Spirit Physician Enterprise Vision Award for Academic Excellence Award for advancing the practice of medicine through key research or published studies, Physician Enterprise, CommonSpirit Health
- Texas SuperDoctors®, MSP Communications, Castle Connolly Top Doctors
- Highly Cited Researcher, 2021, World's top 1%, Clarivate
- Top Scientist, Research.com
- Senior Guest Editor, *Journal of the American College of Cardiology*
- Executive Council, National Lipid Association

Biykem Bozkurt, M.D., Ph.D.

- Editor-in-Chief, *JACC: Heart Failure*
- Recipient, Lifetime Achievement Award, Hellenic Society of Heart Failure
- Immediate Past President, Heart Failure Society of America
- Vice-Chair, AHA/ACC Writing Committee for Practice Guidelines in Heart Failure
- Associate Provost, Faculty Affairs and Senior Associate Dean of Faculty Development

Mihail G. Chelu, M.D., Ph.D.

- Chair, Implantable cardiac devices part I, International Iasi Arrhythmia Forum, Iasi, Romania
- Meeting Organizer, 2022 International Iasi Arrhythmia Forum, Iasi, Romania
- Guest Associate Editor, *Journal of the American College of Cardiology*
- Editorial Board Member, *Cardiovascular Drugs and Therapy*
- Editorial Board Member, *Journal of Interventional Cardiac Electrophysiology*

Andrew Civitello, M.D.

- Recipient, James T. Willerson M.D. Editor's Choice Award, 2022
- BSLMC Heart Transplant program achieved 96.2% 1-year survival and was named Center of Excellence for Aetna, Blue Cross Blue Shield, Optum Health and Kelsey Seybold network
- BSLMC recognized as a High Performing Hospital in Heart Failure by *US News and World Report*

Ali E. Denktas, M.D.

- Recipient, Best Interventional Attending Award, 2022
- Top Doctor, *Houstonia Magazine*
- Liaison and Writing Committee Member, ACC Training Document for Interventional Cardiology

Jose G Diez, M.D.

- Committee Member, SCAI International
- International lecturer, “CV prevention in women with cancer,” Women Cardiomyopathies Symposium, Sociedad Peruana de Cardiologia
- International lecturer, “ABCDE of CV prevention in patients with cancer,” XLIV Congress Colegio Mexicano de Medicina Interna

Gabriel Habib, M.D.

- Associate Editor, Cardiovascular Drugs and Therapy
- Chair, VISN 16 Pharmacy Benefits Management (PBM) Monthly Meetings for VISN 16 (8 VA Facilities TX/AR/LA)
- Chair, Pharmacy and Therapeutics Committee, MEDVAMC

Waleed Tallat Kayani, M.D.

- Interim Chief, Cardiology, Ben Taub Hospital
- Program Director, Interventional Cardiology Fellowship
- Top Doctor, *Houstonia Magazine*
- Chest Pain Program Director, Ben Taub/Harris Health (Center received NCDR Platinum Performance, AHA Gold Plus Awards for NSTEMI and STEMI Care, and AHA Gold Award for Heart Failure Care)

Mirza Umair Khalid, M.D.

- Recipient, Norton Rose Fulbright Faculty Excellence Award for Educational Materials
- Recipient, CRT Annual Young Leadership Award (Interventional Cardiology National Award)
- Chair, ACC's Early Career Social Media Team
- Member, ACC's NCDR Early Career Leadership Council
- Associate Director, BCM Cardiology Fellowship Program

Srikanth Koneru, M.D.

- Section Editor, “Imaging,” Texas Heart Institute Journal
- Interim Director, Cardiovascular CT/MRI, BSLMC
- Director, Structural Heart Imaging and Valve Clinic, BSLMC
- Fellow, Society of Cardiovascular Magnetic Resonance
- Guest Associate Editor, *Journal of the American College of Cardiology*

Ronald Maag, M.D.

- Medical Director, Baylor Heart Clinic
- Medical Director, Baylor Heart Clinic Echo Lab
- Medical Director, Baylor Heart Clinic Nuclear Lab
- Recipient, Early Career Award for Excellence in Patient Care Award
- Recipient, Excellence in Teaching Award, Cardiovascular Disease Fellowship

Vanessa N. Medrano, M.D.

- Interim Echo Lab Director, Ben Taub Hospital, April-July 2022
- Member, Internal Medicine Assessment Committee
- Ben Taub Representative and Member, Cardiovascular Ambulatory Resident Rotation Project

Arunima Misra, M.D.

- Cohort of ACC Clinical Trials Upping Your Game, 2022
- Appointed Member, Education Committee, National American Society of Echocardiography and Heart Failure Society of America

Vijay Nambi, M.D., Ph.D.

- Topic Coordinator, Prevention and Health Promotion, American College of Cardiology Scientific Sessions
- Topic Editor, ACC SAP, Prevention
- Fellow, American Society of Preventive Cardiology

Abdi Rasekh, M.D.

- Editorial Board Member, *Texas Heart Institute Journal*

Mehdi Razavi, M.D.

- Editorial Board Member, *Texas Heart Institute Journal*

Mourad H. Senussi, M.D., M.S.

- Recipient, Critical Care Faculty of the Year Award
- Recipient, Pulmonary & Critical Care Faculty Award

Raymond Stainback, M.D.

- Section Chief, Noninvasive Cardiology, BSLMCPresident, American Society of Echocardiography
- Program Director, 12th Annual Houston Echo Review Course: Boot Camp

Neil E Strickman, M.D.

- Six time Recipient, Robert J Hall Lifetime Award for Teacher of the Year, THI
- Lecturer, TAVR update 2021, THI Cardiac Society 13th Symposium, THI
- Lecturer, Intracoronary Lithotripsy, GIS Gulf Interventional Society, Dubai, UAE
- Lecturer, Carotid Artery Stenting 2022 and IVL Shockwave Therapy in Cardiology, 8th annual 4Ts Tip to Toe Conference, Dubai, UAE
- Inducted into Farmingdale High School Hall of Fame for Distinguished Career Professionals, Farmingdale, NY

Salim S. Virani, M.D., Ph.D.

- Recipient, National Lipid Association President's Service Award
- World Expert in Cholesterol, Expertscape
- Top 2% of most cited scientists worldwide, PLoS Biology
- Inducted into the Baylor College of Medicine Faculty Chapter of the Alpha Omega Alpha Honor Medical Society
- Top Scientist, Research.com

Lola Xiaoying Xie, M.D.

- Working on building Baylor St. Luke's Hypertrophic Cardiomyopathy Center of Excellence
- Preliminary approval by Bristol Myers Squibb for two studies relating to hypertrophic cardiomyopathy and mavacamten; total expected funding \$80,000+
- PI, DISCOVER-HCM trial
- Faculty Advisor, BCM Internal Medicine Residency Heart Failure rotation
- Lecturer, Nonischemic Cardiomyopathy

RESEARCH ACTIVITIES

Grants

Christie M. Ballantyne, M.D.

- NIH/NHLBI; Atherosclerosis Risk in Communities (ARIC) Study-Coordinating Center; \$2,197,773
- PCORI; BESTMED: Observational Evaluation of Second Line Therapy Medications in Diabetes; \$21,892
- Merck & Co.; A Phase 2b, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of MK-0616 in Adults with Hypercholesterolemia; \$74,961
- Novo Nordisk; ZEUS—Effects of Ziltivekimab versus Placebo on Cardiovascular Outcomes in Patients with Established Atherosclerotic Cardiovascular Disease, Chronic Kidney Disease, and Systemic Inflammation; \$96,578
- ISIS Pharmaceutical: A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study of ISIS 678354 Administered Subcutaneously to Patients with Severe Hypertriglyceridemia; \$103,200
- Ionis Pharmaceuticals: An Open-Label Extension Study of AKCEA-APOCIII-LRx Administered Subcutaneously to Patients with Familial Chylomicronemia Syndrome (FCS); \$31,649
- Arrowhead Pharmaceuticals; A Double-Blind, Placebo-Controlled Phase 2b Study to Evaluate the Efficacy and Safety of ARO-APOC3 in Adults with Severe Hypertriglyceridemia; \$82,978
- Arrowhead Pharmaceuticals; A Double-Blind, Placebo-Controlled Phase 2b Study to Evaluate the Efficacy and Safety of ARO-ANG3 in Adults with Mixed Dyslipidemia; \$76,800

Mihail G. Chelu, M.D., Ph.D.

- NIH/NHLBI; Cardiac Fibroblast Inflammasome and Atrial Myopathy; \$50,925
- Impulse Dynamics; CardiOncology Contractility Study; \$218,500
- St. Jude Medical/Abbott; SYNCAV Post Market Trial; \$126,073
- BiosenseWebster/Montefiore Medical Center; Posterior Wall and/or Left Atrial Appendage Empiric Electrical Isolation for Non-Paroxysmal Atrial Fibrillation (PLEA Trial)
- Sanofi; Effect of Dronedarone on Atrial Fibrosis Progression and Atrial Fibrillation Recurrence Post-Ablation (EDORA); \$96,132

Srikanth Koneru, M.D.

- Edwards Lifesciences; CLASP – II D/F (H-49062) Pivotal Study: Edwards PASCAL Transcatheter Mitral Valve Repair System Study
- NASA/UT Southwestern; Cardiovascular Adaptation to 1 year in Space: Integrated Cardiovascular Study 3.0 and Implications for Atrial Fibrillation

Ajith P. Nair, M.D.

- Ancora Heart; CORCINCH-HF: AccuCinch Ventricular Restoration System
- Acceleron Pharma; STELLAR: A Study of Sotatercept for the Treatment of Pulmonary Arterial Hypertension
- V-Wave; RELIEVE-HF: Reducing Lung Congestion Symptoms in Advanced Heart Failure
- Impulse Dynamics; AIM HIGHER: Assessment of CCM in HF with Higher Ejection Fraction
- Endotronix; PROACTIVE-HF Trial (Prospective Trial Evaluating the Cordella Pulmonary Artery Sensor System in NYHA Class III Heart Failure Patients)
- Impulse Dynamics; Assessment of Implantable CCM in the Heart Failure Group with Higher Ejection Factor (AIM HIGHER); \$98,249

Publications (66)

- American Heart Journal (IF **5.099**): 3
- American Journal of Emergency Medicine (IF **4.093**): 2
- American Journal of Human Genetics (IF **11.043**): 1
- American Journal of Kidney Diseases (IF **11.072**): 2
- American Journal of Medicine (IF **5.928**): 14
- American Journal of Preventive Medicine (IF **6.604**): 2
- American Journal of Public Health (IF **11.580**): 1
- American Journal of Transplantation (IF **9.369**): 1
- Annals of Cardiothoracic Surgery (IF **4.617**): 5
- Artificial Intelligence in Medicine (IF **7.011**): 1
- Atherosclerosis (IF **6.847**): 5
- Biology of Sex Differences (IF **8.811**): 1
- BMJ Open Diabetes Research & Care (IF **4.179**): 2
- Canadian Journal of Cardiology (IF **6.614**): 1
- Cells (IF **7.666**): 1
- Circulation (IF **39.918**): 12
- Circulation: Cardiovascular Interventions (IF **7.514**): 1
- Circulation: Cardiovascular Quality and Outcomes (IF **8.271**): 4
- Circulation: Genomic and Precision Medicine (IF **7.465**): 1
- Circulation: Heart Failure (IF **10.447**): 1
- Clinical Journal of the American Society of Nephrology (IF **10.671**): 2
- Current Atherosclerosis Reports (IF **5.967**): 5
- Current Problems in Cardiology (IF **16.464**): 14
- Diabetes Care (IF **17.152**): 2
- Diabetologia (IF **10.460**): 1
- EClinicalMedicine (IF **17.033**): 2
- Emerging Infectious Diseases (IF **16.126**): 1
- European Heart Journal (IF **35.855**): 3
- European Journal of Preventive Cardiology (IF **8.526**): 5
- Europace (IF **5.486**): 2
- Frontiers in Cardiovascular Medicine (IF **5.846**): 3
- Frontiers in Physiology (IF **4.755**): 1
- Genetics in Medicine (IF **8.864**): 1
- Heart (IF **7.398**): 4
- Heart Rhythm (IF **6.779**): 2
- Hypertension (IF **9.897**): 1
- Immunology (IF **7.215**): 1
- International Journal of Cardiology (IF **4.039**): 1
- JACC: Cardiovascular Imaging (IF **16.051**): 2
- JACC: Cardiovascular Interventions (IF **11.075**): 4
- JACC: Heart Failure (IF **12.544**): 1
- JAMA Cardiology (IF **30.154**): 6
- JAMA Network Open (IF **13.366**): 2
- Journal of Cardiac Failure (IF **6.592**): 7
- Journal of Clinical Lipidology (IF **5.365**): 6
- Journal of General Internal Medicine (IF **6.473**): 1
- Journal of Heart and Lung Transplantation (IF **13.569**): 1
- Journal of the American College of Cardiology (IF **27.203**): 19
- Journal of the American Heart Association (IF **6.106**): 24
- Journal of the American Society of Echocardiography (IF **7.722**): 2
- Journal of the American Society of Nephrology (IF **14.978**): 2
- Journal of Thoracic and Cardiovascular Surgery (IF **6.439**): 2
- Mayo Clinic Proceedings (IF **11.104**): 3
- New England Journal of Medicine (IF **176.079**): 1
- Nature Communications (IF **17.694**): 1
- Nature Reviews Cardiology (IF **49.421**): 1
- Nephrology Dialysis Transplantation (IF **7.186**): 1
- Obesity (IF **9.298**): 2
- Preventive Medicine (IF **4.637**): 2
- Progress in Cardiovascular Diseases (IF **11.278**): 13
- Resuscitation (IF **6.251**): 1
- Science Advances (IF **14.972**): 1
- Science Translational Medicine (IF **19.359**): 1
- Scientific Reports (IF **4.996**): 1
- Stroke (IF **10.170**): 1
- Trends in Genetics (IF **11.821**): 1

Books and Book Chapters

Christie M. Ballantyne, M.D.

- Hypercholesterolemia. In: *Cardiovascular Risk Assessment in Primary Prevention*

Yochai Birnbaum, M.D.

- Electrocardiography. In: *Cardiology Secrets (6th ed)*

Biykem Bozkurt, M.D., Ph.D.

- *Cardiovascular Medicine and Surgery*: Section Editor for Heart Failure
- Heart Failure: Long-Term Treatment. In: *Cardiology Secrets (6th ed)*

Andrew Civitello, M.D.

- Mechanical Circulatory Support. In: *Cardiovascular Medicine and Surgery*

Ali E. Denktas, M.D.

- Percutaneous Coronary Intervention. In: *Cardiology Secrets (6th ed)*

Savitri Fedson, M.D., M.A.

- Heart Failure with Reduced Ejection Fraction. In: *Cardiovascular Medicine and Surgery*
- Heart Failure: Long-Term Treatment. In: *Cardiology Secrets (6th ed)*

Waleed Tallat Kayani, M.D.

- MUGA Scan. In: *StatPearls*

Mirza Umair Khalid, M.D.

- Cardiac Catheterization: Coronary Angiogram, Intracoronary Imaging and Physiology. In: *Cardiology Secrets (6th ed)*
- Prevention: Atherosclerotic Cardiovascular Disease Risk Assessment. In: Kuvin JT, ed. *Adult Clinical Cardiology Self-Assessment Program (ACCSAP)*
- Cardiovascular Risk Assessment in Primary Prevention. In: *Cardiovascular Risk Assessment in Primary Prevention*

Glenn Levine, M.D.

- *Cardiology Secrets (6th ed)*: Editor
- Electrocardiography. In: *Cardiology Secrets (6th ed)*
- Chest X-ray. In: *Cardiology Secrets (6th ed)*
- Ambulatory ECG Monitors. In: *Cardiology Secrets (6th ed)*
- Chest Pains and Angina. In: *Cardiology Secrets (6th ed)*
- Chronic Stable Angina. In: *Cardiology Secrets (6th ed)*
- Non-ST-Elevation Acute Coronary Syndrome. In: *Cardiology Secrets (6th ed)*
- ST-Elevation Myocardial Infarction. In: *Cardiology Secrets (6th ed)*
- Heart Failure: Long-Term Treatment. In: *Cardiology Secrets (6th ed)*
- Cardiac Arrest and Resuscitation. In: *Cardiology Secrets (6th ed)*
- Cardiac Tumors. In: *Cardiology Secrets (6th ed)*
- Syncope. In: *Cardiology Secrets (6th ed)*

Arunima Misra, M.D.

- Echocardiography. In: *Cardiology Secrets* (6th ed)
- Heart Failure with Preserved Ejection Fraction. In: *Cardiovascular Medicine and Surgery*

Tyler B. Moran, M.D., Ph.D.

- Heart Failure with Preserved Ejection Fraction. In: *Cardiovascular Medicine and Surgery*

Ajith P. Nair, M.D., Ph.D.

- Swan Ganz Catheter. In: *Cardiology Secrets* (6th ed)
- Mechanical Circulatory Support. In: *Cardiovascular Medicine and Surgery*
- Sex Differences in Pulmonary Arterial Hypertension. In: *Sex Differences in Cardiac Diseases: Pathophysiology, Presentation, Diagnosis and Management*
- Sex Differences in Heart Failure with Preserved Ejection Fraction. In: *Sex Differences in Cardiac Diseases: Pathophysiology, Presentation, Diagnosis and Management*

Vijay Nambi, M.D., Ph.D.

- Hyperlipidemia. In: *Cardiology Secrets* (6th ed)

Salim S. Virani, M.D., Ph.D.

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