



**EDITOR-IN-CHIEF**

G. Alexander Patterson, MD  
Washington University School of Medicine  
St. Louis, MO, USA

**ASSOCIATE EDITORS**

**Adult**

Pavan Atluri, MD  
University of Pennsylvania  
Philadelphia, PA, USA

Vinay Badhwar, MD  
West Virginia University  
Morgantown, WV, USA

Leora B. Balsam, MD  
Umass Memorial Medical Center  
Worcester, MA, USA

Abelardo DeAnda, Jr., MD  
University of Texas  
Medical Branch at Galveston  
Galveston, TX, USA

Dawn S. Hui, MD  
University of Texas  
Health Science Center  
San Antonio, TX, USA

Francis D. Paganì, MD, PhD  
University of Michigan Health System  
Ann Arbor, MI, USA

**Congenital**

Scott M. Bradley, MD  
Medical University of South Carolina  
Charleston, SC, USA

Stephanie Fuller, MD  
Children's Hospital of Philadelphia  
Philadelphia, PA, USA

Robert Douglas B. Jaquiss, MD  
University of Texas  
Southwestern Medical Center,  
Dallas, TX, USA

Ronald K. Woods, MD, PhD  
Children's Hospital of Wisconsin  
Milwaukee, WI, USA

**Education**

Susan Moffatt-Bruce, MD, PhD, MBA  
Royal College of Surgeons and  
Physicians of Canada,  
Ottawa, Canada

Stephen C. Yang, MD  
Johns Hopkins Medical Institutions  
Baltimore, MD, USA

**Thoracic**

Robert B. Cameron, MD  
David Geffen School of Medicine at UCLA  
Los Angeles, CA, USA

Sudish Murthy, MD, PhD  
Cleveland Clinic  
Cleveland, OH, USA

Gaetano Rocco, MD  
Memorial Sloan Kettering Cancer Institute  
New York, NY, USA

Betty C. Tong, MD, MHS  
Duke University Medical Center  
Durham, NC, USA

**Perioperative**

Rakesh C. Arora, MD, PhD, FRCS  
University Hospitals Harrington Heart and  
Vascular Institute  
Case Western University  
Cleveland, OH, USA

Victor A. Ferraris, MD, PhD  
University of Kentucky College of Medicine  
Lexington, KY, USA

**Ethics**

Robert Sade, MD  
Medical University of South Carolina  
Charleston, SC, USA

**ASSOCIATE STATISTICAL EDITORS**

**Adult**

Adin-Cristian Andrei, PhD  
Northwestern University  
Chicago, IL, USA

Vito Domenico Bruno, MD, PhD  
University of Bristol  
Bristol, United Kingdom

Stephen E. Fremes, MD, MSc  
Sunnybrook Health Science Center  
Toronto, Canada

Robert Bruce Hawkins, MD, MSc  
University of Michigan Health System  
Ann Arbor, MI, USA

Paul A. Kurlansky, MD  
Columbia University  
New York, NY, USA

**Adult**

J. Hunter Mehaffey, MD, MSc  
West Virginia University  
Morgantown, WV, USA

Derrick Tam, MD, PhD  
University of Toronto  
Toronto, Canada

Charles M. Wojnarski, MD, MS  
Duke University  
Durham, NC, USA

**Congenital**

Anusha Jegatheeswaran, MD, PhD, FRCS  
Royal Brompton Hospital  
London, United Kingdom

Tara Karamlou, MD  
Cleveland Clinic  
Cleveland, OH, USA

Travis J. Wilder, MD  
University Hospitals—Rainbow Babies and  
Children's Hospital  
Cleveland, OH, USA

David Zurakowski, MSc, PhD  
Boston Children's Hospital  
Harvard Medical School  
Boston, MA, USA

**Thoracic**

Biniam Kidane, MD, MSc  
Max Rady College of Medicine,  
University of Manitoba  
Winnipeg, Canada

Mark Onaitis, MD, MS  
University of California, San Diego  
La Jolla, CA, USA

Varun Puri, MD, MSCI  
Washington University in St. Louis  
St. Louis, MO, USA

Elliot Wakeam, MD, MPH  
University of Toronto  
Toronto, Canada

**FEATURE EDITORS**

**Adult**

Niv Ad, MD  
Johns Hopkins Medical Institutions  
Baltimore, MD, USA

Mario F.L. Gaudino, MD  
Weill Cornell University  
New York, NY, USA

Leonard N. Girardi, MD  
Weill Cornell Medical College  
New York, NY, USA

Kendra Grubb, MD  
Emory University  
Atlanta, GA, USA

Richard Lee, MD, MBA  
Augusta University  
Augusta, GA, USA

Ibrahim Sultan, MD  
University of Pittsburgh  
Pittsburgh, PA, USA

**Congenital**

Bahaaldin Alsoufi, MD  
University of Louisville and  
Norton Children's Hospital  
Louisville, KY, USA

Igor E. Konstantinov, MD, PhD, FRACS  
University of Melbourne, Royal Children's Hospital  
Melbourne, Australia

Elizabeth Stephens, MD, PhD  
Mayo Clinic  
Rochester, MN, USA

Can Yerebakan, MD  
Children's National Heart Institute  
Washington, DC, USA

**Thoracic**

Lisa M. Brown, MD, MAS  
University of California Davis  
Sacramento, CA, USA

Bryan M. Burt, MD  
Baylor College of Medicine  
Houston, TX, USA

Michael Lanuti, MD  
Massachusetts General Hospital  
Boston, MA, USA

Thomas Ng, MD  
The University of Tennessee Health Science Center  
Memphis, TN, USA

Bryan A. Whitson, MD, PhD  
The Ohio State University Wexner Medical Center  
Columbus, OH, USA

**Perioperative**

Mariya Geube, MD, FASE  
Cleveland Clinic Foundation  
Cleveland, OH, USA

Juan Nicholas Pulido, MD  
Swedish Medical Center  
Seattle, WA, USA

**Digital Scholarship & Media**

Tom C. Nguyen, MD, FACS, FACC  
University of California San Francisco  
San Francisco, CA, USA

## DEPUTY STATISTICAL EDITORS

William M. DeCampi, MD, PhD  
*The Heart Center at Arnold  
Palmer Hospital for Children  
Orlando, FL, USA*

Alvise Guariento, MD  
*Hospital for Sick Children University of Toronto  
Toronto, Canada*

Lingeng Lu, MD, PhD  
*Yale School of Public Health  
New Haven, CT, USA*

Marcelo Cerullo, MD, MPH  
*Duke University  
Durham, NC, USA*

Paul J. Devlin, MD, MSc  
*Northwestern University  
Chicago, IL, USA*

Sari D. Holmes, PhD  
*West Virginia University Medicine  
Morgantown, WV, USA*

Benjamin D. Kozower, MD, MPH  
*Washington University School of Medicine  
St. Louis, MO, USA*

David B. Nelson, MD, MSc  
*MD Anderson Cancer Center  
Houston, TX, USA*

Mark Berry, MD  
*Stanford University  
Stanford, CA, USA*

Elizabeth David, MD  
*Keck School of Medicine,  
University of Southern California  
Los Angeles, CA, USA*

Asvin M. Ganapathi MD  
*The Ohio State University  
Wexner Medical Center  
Columbus, OH, USA*

Ali Hage, MD, MPH  
*Western University  
London, Ontario, Canada*

Oliver K. Jawitz, MD, MHS  
*Duke University  
Durham, NC, USA*

Mauro Lo Rito, MD  
*IRCCS Policlinico San Donato  
Milano, Italy*

Carlos M. Mery, MD, MPH  
*Texas Children's Hospital  
Houston, TX, USA*

Samantha Nemeth, MS, MA, MPH  
*Columbia University  
New York, NY, USA*

Helen Parise, ScD  
*Biostatistics and Clinical Trials Consultant  
Las Vegas, NV, USA*

Jacquelyn Quin, MD  
*VA Boston Healthcare System West Roxbury,  
MA, USA*

Jeevantham Rajeswaran, PhD  
*Cleveland Clinic  
Cleveland, OH, USA*

Melanie Subramanian, MD, MPH  
*Washington University School of Medicine  
St. Louis, MO, USA*

Seo Young Park, PhD  
*University of Pittsburgh  
Pittsburgh, PA, USA*

Mohamed Rahouma, MD  
*Weill Cornell Medical College  
New York, NY, USA*

Thomas J. Richards, PhD  
*University of Pennsylvania  
Perelman School of Medicine  
Philadelphia, PA, USA*

Monisha Sudarshan, MD, MPH  
*Cleveland Clinic Foundation  
Cleveland, Ohio, USA*

Xiaoting Wu, PhD, MS  
*University of Michigan  
Ann Arbor, MI, USA*

Vignesh Raman, MD, MHS  
*Duke University  
Durham, NC, USA*

Paul Sergeant, MD, PhD  
*Gasthuisberg University Hospital  
Leuven, Belgium*

## EDITORIAL BOARD MEMBERS

Abbas Abbas, MD  
*Temple University  
Philadelphia, PA, USA*

Iki Adachi, MD  
*Texas Children's Hospital  
Houston, TX, USA*

Hossein Almassi, MD  
*Medical College of Wisconsin  
Milwaukee, WI, USA*

Amedeo Anselmi, MD, PhD  
*Potchaillou University Hospital  
Rennes, France*

Ibrahim Abdullah, MD  
*Banner Children's Cardon Children's Medical Center  
Mesa, AZ, USA*

Usman Ahmad, MD  
*Cleveland Clinic Abu Dhabi  
Abu Dhabi, United Arab Emirates*

Petros Anagnostopoulos, MD, MBA  
*University of Wisconsin  
Madison, WI, USA*

Mara B. Antonoff, MD, FACS  
*University of Texas MD Anderson Cancer Center  
Houston, TX, USA*

Gabriel S. Aldea, MD  
*University of Washington  
School of Medicine  
Seattle, WA, USA*

Nicholas D. Andersen, MD  
*Duke University School of Medicine  
Durham, NC, USA*

Manuel J. Antunes, MD, PhD, DSc  
*University Hospital and Faculty of Medicine  
Coimbra, Portugal*

Anelechi C. Anyanwu, MD, FRCS  
*Icahn School of Medicine at Mount Sinai  
New York, NY, USA*

Arman Arghami, MD, MPH  
*Mayo Clinic  
Rochester, MN, USA*

Awais Ashfaq, MD  
*Johns Hopkins All Children's Hospital  
St Petersburg, FL, USA*

Ali Dodge-Khatami, MD  
*University of Aachen RWTH Hospital  
Aachen, Germany*

Frank A. Baciewicz, Jr., MD  
*Wayne State University/Harper University  
Hospital/Sinai-Grace Hospital  
Detroit, MI, USA*

Faisal G. Bakaeen, MD  
*Cleveland Clinic Foundation  
Cleveland, Ohio, USA*

Thomas M. Beaver, MD, MPH  
*University of Florida College of Medicine  
Gainesville, FL, USA*

Luca Bertolaccini, MD, PhD, FCCP  
*European Institute of Oncology  
Milan, Italy*

Alexander Brescia, MD, MSc  
*University of Michigan  
Ann Arbor, MI, USA*

Benjamin Bryner, MD  
*Duke University  
Durham, NC, USA*

Matthew J. Bott, MD  
*Memorial Sloan-Kettering Cancer Center  
New York, NY, USA*

Stephen R. Broderick, MD, MPH  
*Johns Hopkins School of Medicine  
Baltimore, MD, USA*

Harold M. Burkhart, MD  
*University of Oklahoma Health Sciences Center  
Oklahoma City, OK, USA*

Andrea Carpenter, MD, PhD  
*University of Texas Health Science Center  
at San Antonio  
San Antonio, TX, USA*

John Augoustides, MD, FAHA  
*University of Pennsylvania  
Philadelphia, PA, USA*

Emile A. Bacha, MD  
*Columbia University  
New York, NY, USA*

Ko Bando, MD, PhD  
*Jikei University School of Medicine  
Tokyo, Japan*

Jay Bhama, MD  
*University of Arkansas for Medical Sciences  
Little Rock, AR, USA*

Thierry Bove, MD, PhD  
*University Hospital of Ghent  
Ghent, Belgium*

Alessandro Brunelli, MD  
*St. James's University Hospital  
Leeds, United Kingdom*

John Butterworth, MD  
*Virginia Commonwealth University  
School of Medicine  
Richmond, VA, USA*

Thierry-Piere Carrel, MD  
*University Hospital Berne  
Berne, Switzerland*

Tohru Asai, MD, PhD  
*Juntendo University  
Tokyo, Japan*

David James Barron, MD  
*The Hospital for Sick Kids  
Toronto, Canada*

David P. Bichell, MD  
*Children's Hospital,  
Vanderbilt University Medical Center  
Nashville, TN, USA*

John Bozinovski, MD, MSc  
*The Ohio State University  
Wexner Medical Center  
Columbus, OH, USA*

Roosevelt Bryant III, MD  
*University of Cincinnati College of Medicine  
Cincinnati, OH, USA*

Sergio A. Carrillo, MD, FACS, FCCC  
*The Ohio State University  
Columbus, OH, USA*

Andrew C. Chang, MD  
*University of Michigan  
Ann Arbor, MI, USA*

Stephanie Chang, MD  
*New York University Langone Medical Center  
New York, NY, USA*

Edward P. Chen, MD  
*Duke University  
Durham, NC, USA*

Ke-Neng Chen, MD, PhD  
*Beijing Cancer Hospital  
Beijing, China*

Joseph Brian Clark, MD  
*Penn State Children's Hospital  
Hershey, PA, USA*

David T. Cooke, MD, FACS  
*University of California Davis  
Sacramento, CA, USA*

Hannah Copeland, MD, FACS, FCCC  
*Lutheran Hospital  
Fort Wayne, IN, USA*

Juan A. Crestanello, MD  
*Mayo Clinic  
Rochester, MN, USA*

Hiroshi Date, MD, PhD  
*Kyoto University Graduate School of Medicine  
Kyoto, Japan*

Victor Dayan, MD, PhD, FACC  
*Centro Cardiovascular Universitario  
Montevideo, Uruguay*

Todd Demmy, MD  
*University of Buffalo  
Buffalo, NY, USA*

Paul J. Chai, MD  
*Columbia University Medical Center,  
Morgan Stanley Children's Hospital - NYP  
New York, NY, USA*

Subhasis Chatterjee, MD, FACS, FCCC, FCCP  
*Baylor College of Medicine  
Houston, TX, USA*

Haiquan Chen, MD, PhD  
*Fudan University  
Shanghai, China*

Toyofumi F. Chen-Yoshikawa, MD, PhD  
*Nagoya University  
Nagoya, Japan*

Joseph S. Coselli, MD  
*Baylor College of Medicine; Texas Heart Institute  
Houston, TX, USA*

Francois Dagenais, MD  
*Laval Hospital  
Quebec City, Canada*

Tirone E. David, MD  
*University of Toronto  
Toronto, Canada*

Jonathan D' Cunha, MD, PhD  
*Mayo Clinic Arizona  
Phoenix, AZ, USA*

Chadrick Denlinger, MD  
*Medial University of South Carolina  
Charleston, SC, USA*

Mark A. Chaney, MD  
*University of Chicago  
Chicago, IL, USA*

Paul Checchia, MD  
*Baylor College of Medicine  
Houston, TX, USA*

Jeremy Herrmann, MD  
*Indiana University  
Indianapolis, IN, USA*

Jonathan M. Chen, MD  
*Children's Hospital of Philadelphia  
Philadelphia, PA, USA*

Francisco Diniz Affonso da Costa, MD  
*INC-Cardio  
Curitiba, Brazil*

Ryan R. Davies, MD  
*University of Texas Southwestern Medical Center  
Dallas, TX, USA*

Joseph A. Dearani, MD  
*Mayo Clinic  
Rochester, MN, USA*

Tracy Geoffrion, MD  
*University of Pennsylvania  
Philadelphia, PA, USA*

Gabriele Di Giannmarco, MD  
*Universita degli Studi Gabriele d'Annunzio  
Chieti e Pescara  
Chieti, Italy*

Michele Di Mauro, MD, PhD  
*University of Chieti  
Chieti, Italy*

Aaron Eckhauser, MD, MSCI  
*University of Utah/  
Primary Children's Hospital  
Salt Lake City, UT, USA*

John Elefteriades, MD  
*Yale University  
New Haven, CT, USA*

Paula Ugalde Figueroa, MD  
*Brigham & Women's Hospital  
Boston, MA, USA*

Francesco Formica, MD  
*San Gerardo Hospital,  
University of Milano-Bicocca  
Monza, Italy*

Ravi Kiran Ghanta, MD  
*Baylor College of Medicine  
Houston, TX, USA*

Eugene A. Grossi, MD  
*New York University-Langone Medical Center  
New York, NY, USA*

Christoph Haller, MD  
*The Hospital for Sick Children  
Toronto, Canada*

Matthew Hartwig, MD, MHS, FACS  
*Duke University Medical Center  
Durham, NC, USA*

George Leslie Hicks, Jr., MD  
*University of Rochester Medical Center,  
Strong Memorial Hospital  
Rochester, NY, USA*

Sitarum M. Emani, MD  
*Boston Children's Hospital  
Harvard Medical School  
Boston, MA, USA*

David Faraoni, MD, PhD, FAHA  
*Texas Children's Hospital  
Houston, TX, USA*

Charles Fraser, MD, FACS  
*The University of Texas  
Austin, TX, USA*

Michael Conrad Grant, MD  
*Johns Hopkins University  
Baltimore, MD, USA*

Shawn Spencer Groth, MD, MS, FACS  
*Baylor College of Medicine  
Houston, TX, USA*

J.W. Hayanga, MD, MPH, FACS  
*West Virginia University  
Morgantown, WV, USA*

Jeremy Herrmann, MD  
*Indiana University  
Indianapolis, IN, USA*

Sameer Hirji, MD, MPH  
*Brigham & Women's Hospital  
Boston, MA, USA*

Chuong D. Hoang, MD  
*National Institutes of Health -  
National Cancer Institute Center  
for Cancer Research  
Bethesda, MD, USA*

William Holman, MD  
*University of Alabama—Birmingham  
Birmingham, AL, USA*

Daniel T. Engelman, MD  
*Baystate Medical Center  
Springfield, MA, USA*

Paul W.M. Fedak, MD, PhD  
*University of Calgary  
Calgary, Canada*

Arnar Geirsson, MD, FACS, FAHA  
*Yale University  
New Haven, CT, USA*

Kevin L. Greason, MD  
*Mayo Clinic  
Rochester, MN, USA*

Wael C. Hanna, MDCM, MBA, FRCS  
*McMaster University,  
St. Joseph's Healthcare  
Hamilton, Canada*

Meghana Helder, MD  
North Central Heart Institute  
Sioux Falls, SD, USA

Konrad Hoetzenecker, MD, PhD  
Medical University of Vienna  
Vienna, Austria

Michael Hsin, MD  
Queen Mary Hospital  
Hong Kong

David L. Joyce, MD, MBA  
Medical College of Wisconsin  
Milwaukee, WI, USA

Joon Bum Kim, MD, PhD  
Asan Medical Center  
Seoul, South Korea

Jacob Klapper, MD  
Duke University  
Durham, NC, USA

Damien J. LaPar, MD, MSc  
Columbia University Medical Center  
New York, NY, USA

Richard Lazzaro, MD  
Lenox Hill Hospital  
Northwell Health  
New York, NY, USA

David Lehenbauer, MD  
Cincinnati Children's Hospital  
Cincinnati, OH, USA

Natalie Lui, MD, MAS  
Stanford University  
Stanford, CA, USA

Jules Lin, MD  
University of Michigan  
Ann Arbor, MI, USA

TK Susheel Kumar, MD  
New York University-  
Langone Medical Center  
New York, NY, USA

Charles Huddleston, MD  
St. Louis University  
St. Louis, MO, USA

Minoo N. Kavarana, MD, FACS  
Medical University of South Carolina  
Charleston, SC, USA

Anthony W. Kim, MD  
Keck School of Medicine,  
University of Southern California  
Los Angeles, CA, USA

Nicholas Kouchoukos, MD  
Washington University  
St. Louis, MO, USA

S. Ram Kumar, MD, PhD, FACS  
Keck School of Medicine, University of Southern  
California / Heart Institute, Children's Hospital of  
Los Angeles  
Los Angeles, CA, USA

Jennifer S. Lawton, MD  
Johns Hopkins University  
Baltimore, MD, USA

Jerrold Levy, MD, FAHA, FCCM  
Duke University Medical Center  
Durham, NC, USA

David Kalfa, MD, PhD  
Columbia University Medical Center  
New York, NY, USA

Katsuhide Maeda, MD, PhD  
Stanford University  
Stanford, CA, USA

S. Adil Husain, MD  
University of Utah Health/  
Primary Children's Hospital  
Salt Lake City, UT, USA

James K. Kirklín, MD  
University of Alabama—Birmingham  
Birmingham, AL, USA

Robert S. Kramer, MD, FACS  
Maine Medical Center  
Portland, ME, USA

Kevin P. Landolfo, MD, MSc  
Mayo Clinic  
Jacksonville, FL, USA

Arman Kilic, MD  
Medical University of South Carolina  
Charleston, SC, USA

Richard D. Mainwaring, MD  
Stanford University  
Stanford, CA, USA

Rizwan A. Manji MD, PhD, FRCSC, MBA  
University of Manitoba  
Winnipeg, Canada

Patrick M. McCarthy, MD  
Northwestern University /  
Northwestern Memorial Hospital  
Chicago, IL, USA

Stephen H. McKellar, MD, MSc  
Intermountain Medical Center  
Salt Lake City, UT, USA

R. Scott Mitchell, MD  
Stanford University  
Stanford, CA, USA

Siamak Mohammadi, MD, FRCSC  
Quebec Heart and Lung Institute  
Quebec City, Canada

David L.S. Morales, MD  
Cincinnati Children's Hospital  
Medical Center  
Cincinnati, OH, USA

Ikenna Okereke, MD, FACS  
Henry Ford Health System  
Detroit, MI, USA

Gaetano Paone, MD, MHSA  
Emory University  
Atlanta, GA, USA

HelenMari Merritt-Genore, DO  
Nebraska Methodist Hospital  
Omaha, NE, USA

M. Blair Marshall, MD  
Brigham and Women's Hospital  
Boston, MA, USA

Bryan F. Meyers, MD, MPH  
Washington University  
School of Medicine  
Saint Louis, MO, USA

Brian Mitzman, MD  
University of Utah  
Salt Lake City, UT, USA

Daniela Molena, MD  
Memorial Sloan-Kettering Cancer Center  
New York, NY, USA

Ralph S. Mosca, MD  
New York University-  
Langone Medical Center  
New York, NY, USA

Davide Pacini, MD, PhD  
University of Bologna  
Bologna, Italy

Subroto Paul, MD, MPH  
R/JWBarnabas Health  
West Orange, NJ, USA

Christopher Mascio, MD  
West Virginia University Medicine  
Children's Heart Center  
Morgantown, WV, USA

Ari A. Mennander, MD, PhD  
Tampere University Hospital  
Tampere, Finland

Antonio Miceli, MD, PhD  
Istituto Clinico Sant'Ambrogio,  
Gruppo Ospedaliero  
San Donato Milano, Italy

K. Annette Mizuguchi, MD, PhD, MMSc, FASE  
Brigham and Women's Hospital  
Boston, MA, USA

Marc R. Moon, MD  
Baylor College of Medicine  
Houston, TX, USA

Ashok Muniappan, MD  
Massachusetts General Hospital  
Boston, MA, USA

Shuah Omer, MD  
Baylor College of Medicine  
Houston, TX, USA

David Overman, MD  
Children's Minnesota Hospital  
Minneapolis, MN, USA

Christian Pizarro, MD  
Alfred I. DuPont Hospital for Children  
Thomas Jefferson University  
Wilmington, DE, USA

Ourania Preventza, MD, MBA, FACS  
Baylor College of Medicine  
Houston, TX, USA

Danny Ramzy, MD, PhD  
Cedars-Sinai Medical Center  
Los Angeles, CA, USA

T. Brett Reece, MD  
University of Colorado  
Aurora, CO, USA

Harold Roberts, MD  
Washington University School of Medicine  
St. Louis, MO, USA

Todd Rosengart, MD, FACS  
Baylor College of Medicine  
Houston, TX, USA

Jack Shanewise, MD, FASE  
Columbia University  
New York, NY, USA

Siva Raja, MD, PhD, FACS  
Cleveland Clinic Foundation  
Cleveland, OH, USA

Daniel Raymond, MD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

Scott I. Reznik, MD  
University of Texas  
Southwestern Medical Center  
Dallas, TX, USA

Fraser D. Rubens, MD, MSc, FACS, FRCSC  
University of Ottawa Heart Institute  
Ottawa, Canada

Marco Scarci, MD  
San Gerardo Hospital  
Milan, Italy

Oz M. Shapira, MD  
Hadassah Medical Center  
Jerusalem, Israel

Smita Sihag, MD, MPH  
Memorial Sloan-Kettering Cancer Center  
New York, NY, USA

Louis Stein, MD, PhD  
Albany Medical College  
Albany, NY, USA

Brendon Stiles, MD  
Montefiore Hospital  
New York, NY, USA

Keshava Rajagopal, MD, PhD  
University of Houston College of Medicine  
Houston, TX, USA

Michael J. Reardon, MD  
Houston Methodist DeBakey  
Heart & Vascular Center  
Houston, TX, USA

R. Taylor Ripley, MD  
National Institutes of Health - National Cancer  
Institute Center for Cancer Research  
Bethesda, MD, USA

Edward Y. Sako, MD, PhD  
University of Texas Health Science Center  
at San Antonio  
San Antonio, TX, USA

Ashish S. Shah, MD  
Vanderbilt University Medical Center  
Nashville, TN, USA

Neel R. Sodha, MD  
Brown University  
Providence, RI, USA

James St. Louis, MD  
Children's Mercy Hospital  
Kansas City, MO, USA

Lars G. Svensson, MD, PhD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

Vakhtang Tchanchalashvili, MD  
Thomas Jefferson University  
Philadelphia, PA, USA

Vinod H. Thourani, MD  
Piedmont Heart Institute  
Atlanta, GA, USA

Betty Caroline Tong, MD, MS, MHS  
Duke University Medical Center  
Durham, NC, USA

Dirk Van Raemdonck, MD  
UZ Leuven  
Leuven, Belgium

Song Wan, MD, FRCSC, FACC  
The Chinese University of Hong Kong  
Hong Kong, China

Benny Weksler, MBA, MD  
Allegheny Health Network/  
Allegheny General Hospital  
Pittsburgh, PA, USA

David Scott Winlaw, MBBS, MD, FRCSC  
Cincinnati Children's Hospital  
Medical Center  
Cincinnati, OH, USA

Sai Yendamuri, MBBS  
Roswell Park Comprehensive Cancer Center  
Buffalo, NY, USA

Hiroo Takayama, MD, PhD  
Columbia University Medical Center, New York  
Presbyterian Hospital  
New York, NY, USA

Frederick A. Tibayan, MD  
Oregon Health & Science University  
Portland, OR, USA

Joseph Turek, MD, PhD  
Duke University Medical Center  
Durham, NC, USA

Nirmal Veeramachaneni, MD  
University of Kansas  
Kansas City, KS, USA

Benjamin Wei, MD  
University of Alabama—Birmingham  
Birmingham, AL, USA

Michael H. Yamashita,  
MDCM, MPH, CPH, FRCSC  
University of Manitoba College of Medicine/  
St. Boniface Hospital Winnipeg, Canada

David D. Yuh, MD  
Stamford Hospital  
Stamford, CT, USA

Nicholas R. Teman, MD  
University of Virginia  
Charlottesville, VA, USA

Tomasz A. Timek, MD  
Spectrum Health Group  
Grand Rapids, MI, USA

Victor van Berkel, MD, PhD  
University of Louisville  
Louisville, KY, USA

Jakob Vinten-Johansen, PhD  
Emory University  
Grayson, GA, USA

Lawrence Wei, MD  
West Virginia University  
Morgantown, WV, USA

Aaron J. Weiss, MD  
Cleveland Clinic Foundation  
Cleveland, OH, USA

Chi-Fu Yang, MD  
Massachusetts General Hospital  
Boston, MA, USA

## FORMER EDITORS

Evarts A. Graham, 1931-1957

John W. Kirklín, 1987-1994

Richard D. Weisel, 2014-2022

Emile F. Holman, 1957-1962

John A. Waldhausen, 1995-2000

Eugene H. Blackstone, Statistical Editor, Emeritus, 1987-2022

Brian B. Blades, 1962-1977

Andrew S. Wechsler, 2000-2007

Dwight C. McGoon, 1977-1987

Lawrence H. Cohn, 2007-2014