Mission
To promote the best interests of patients by advancing the knowledge and professionalism of the physician community.

Editor-in-Chief
Karl A. Nath, MBChB
Mayo Clinic, Rochester, MN

Section Editors
James C. Andrews, MD
Radiology
Mayo Clinic, Rochester, MN

Samuel J. Astraham, MD
Cardiovascular Diseases, Innovations in Medicine and Surgery
Mayo Clinic, Rochester, MN

David J. Ballard, MD, MSPH, PhD
Health Care Policy
University of North Carolina at Chapel Hill

Timothy B. Curry, MD, PhD
Anesthesiology and Perioperative Medicine
Mayo Clinic, Rochester, MN

John M. Davis, III, MD
Rheumatology
Mayo Clinic, Rochester, MN

Mark Denis P. Davis, MD
Dermatology
Mayo Clinic, Rochester, MN

Jennifer E. DeVoe, MD, DPhil
Family Medicine
Oregon Health & Science University, Portland, OR

Matthew T. Drake, MD, PhD
Endocrinology
Mayo Clinic, Rochester, MN

Elizabeth B. Habermann, PhD
Health Care Policy and Research
Mayo Clinic, Rochester, MN

Daniel K. Hall-Flavin, MD, MS
Addiction Medicine, Humanities
Mayo Clinic, Rochester, MN

W. Michael Hooten, MD
Pain Medicine
Mayo Clinic, Rochester, MN

Alexander H. Krut, MD
Family Medicine
Virginia Commonwealth University, Richmond, VA

Jay Mandrekar, PhD
Biomedical Statistics and Informatics
Mayo Clinic, Rochester, MN

Michelle L. Mazier, MD
Psychiatry
Mayo Clinic, Rochester, MN

M. Hassan Murad, MD
Guideline, Systematic Reviews, and Meta-analysis
Mayo Clinic, Rochester, MN

Joseph A. Murray, MD
Gastroenterology and Hepatology
Mayo Clinic, Rochester, MN

Robert J. Pignolo, MD, PhD
Reproductive Endocrinology and Infertility
Mayo Clinic, Rochester, MN

Andrew D. Rule, MD
Nephrology and Hypertension
Mayo Clinic, Rochester, MN

Tait D. Shanafelt, MD
Physician and Health Care Professional Training and Fulfillment
Stanford Medicine, Stanford, CA

Richard Sharp, PhD
Medical Ethics
Mayo Clinic, Rochester, MN

Robert J. Spinner, MD
Neurology, Surgery, Orthopedics
Mayo Clinic, Rochester, MN

Thomas D. Teich, MD
Family Medicine
Mayo Clinic, Rochester, MN

Christopher M. Witsch, MD
General Internal Medicine, Medical Education
Mayo Clinic, Rochester, MN

Aminah Jatoi, MD
Medical Oncology
Mayo Clinic, Rochester, MN

Associate Editors
Thomas J. Beckman, MD
Residents’ Clinics, Concise Reviews, General Internal Medicine
Mayo Clinic, Rochester, MN

Lori A. Erickson, MD
Laboratory Medicine and Pathology, Medical Imaging
Mayo Clinic, Rochester, MN

Vesna D. Gavric, MD
Women’s Health and Medicine of Sex Differences
Mayo Clinic, Rochester, MN

Matthew Griffin, MB, ChB
Rheumatology, Critical Care Medicine
University of Wisconsin-Madison

Vivekanand Jha, MD, DM, FRCP, FAMS
Global Kidney Health
The George Institute for Global Health, New Delhi, India

Imperial College, London, United Kingdom

University of New South Wales, Sydney, Australia

Editorial Board
Joost Bartunek, MD, PhD
Cardiology
Aalst, OLV Hospital
Ghent, Oost-Vlaanderen, Belgium

Sarah L. Berga, MD
Reproductive Endocrinology and Infertility
University of California San Diego, San Diego, CA

Virend Somers, MD, PhD
Cardiovascular Diseases and Sleep Disorders
University of California San Diego, La Jolla, CA

Richard Sharp, PhD
Medical Ethics
Mayo Clinic, Rochester, MN

Robert J. Spinner, MD
Neurology, Surgery, Orthopedics
Mayo Clinic, Rochester, MN

Thomas D. Teich, MD
Family Medicine
Mayo Clinic, Rochester, MN

Christopher M. Witsch, MD
General Internal Medicine, Medical Education
Mayo Clinic, Rochester, MN

Aminah Jatoi, MD
Medical Oncology
Mayo Clinic, Rochester, MN

Carl J. Lavie, MD
Cardiovascular Diseases
John O’Connell Heart and Vascular Institute, New Orleans, LA

S. Vincent Rajkumar, MD
Review Articles, Hematology, Website, and Social Media
Mayo Clinic, Rochester, MN

Priya Sampsampathkumar, MD
Infection Control, Infectious Diseases
Mayo Clinic, Rochester, MN

Nicholas Talley, MD, PhD
Gastroenterology
John Hunter Hospital
Newcastle, Australia

Ayalew Telfer, MD
Hematology
Mayo Clinic, Rochester, MN

R. Scott Wright, MD
Cardiovascular Diseases
Mayo Clinic, Rochester, MN

John G. Mastronarde, MD
Pulmonary and Critical Care Medicine
Providence Portland Medical Center, Portland, OR

Daniel P. Moir, MD, MPH
Cardiology/Electrophysiology
John O’Connell Heart and Vascular Institute, New Orleans, LA

Suzanne M. Noth, MD
Neurology and Medical Education
Mayo Clinic, Rochester, MN

Navleen L. Pereira, MD
Cardiovascular Diseases
Mayo Clinic, Rochester, MN

Siddharth Singh, MD
Gastroenterology, Systematic Reviews, and Meta-analysis
University of California San Diego, La Jolla, CA

Joseph I. Sirven, MD
Neurological Diseases (Epilepsy)
Mayo Clinic, Jacksonville, FL

Virend Somers, MD, PhD
Cardiovascular Diseases and Sleep Disorders
Mayo Clinic, Rochester, MN

Jeffery A. Sparks, MD, MMSc
Rheumatology, Inflammation, and Immunity
Brigham and Women’s Hospital, Boston, MA

Adrian Vella, MD
Endocrinology
Mayo Clinic, Rochester, MN

Amy W. Williams, MD
Clinical Practice and Policy, Nephrology
Mayo Clinic, Rochester, MN

www.mayoclinicproceedings.org