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Vanderbilt University Medical Center
Pleural Disorders

Gregory S. Liptak, MD, MPH
Professor of Pediatrics, Upstate Medical
University; Chief, Center for
Neurodevelopmental Pediatrics
*Birth Defects; Chromosomal and Genetic
Abnormalities*

Elliot M. Livstone, MD
Attending Physician, Sarasota Memorial
Hospital
Tumors of the Digestive System

Phillip Low, MD

Professor of Neurology, Mayo Clinic College of Medicine

Autonomic Nervous System Disorders

Paul D. Lui, MD

Associate Professor of Urology, Loma Linda University School of Medicine

Male Reproductive System; Penile and Testicular Disorders

Joanne Lynn, MD

Bureau Chief, Chronic Disease and Cancer, Community Health Administration, Department of Health, Washington, DC

Death and Dying

Robert J. MacNeal, MD

Assistant Professor, Department of General Internal Medicine; Resident Physician, Section of Dermatology, Dartmouth–Hitchcock Medical Center

Biology of the Skin; Diagnosis and Treatment of Skin Disorders; Sunlight and Skin Damage

Kenneth Maiese, MD

Professor and Director, Neurology, Anatomy, and Cell Biology, Center for Molecular Medicine and Institute for Environmental Health Sciences, Wayne State University School of Medicine

Head Injuries; Stupor and Coma

Scott Manaker, MD, PhD

Associate Professor of Medicine; Vice Chair for Regulatory Affairs, Department of Medicine, University of Pennsylvania Health System

Shock

James F. Markmann, MD, PhD

Professor of Surgery, Harvard Medical School; Clinical Director, Division of Transplantation, Massachusetts General Hospital

Transplantation

John T. McBride, MD

Professor of Pediatrics, Northeastern Ohio Universities Colleges of Medicine and Pharmacology; Vice Chair, Department of Pediatrics, Akron Children's Hospital

Respiratory Disorders

Margaret C. McBride, MD

Professor of Pediatrics (Neurology), Northeastern Ohio Universities Colleges of Medicine and Pharmacology; Director, Neurodevelopmental Center, Akron Children's Hospital

Neurologic Disorders

Daniel J. McCarty, MD

Will and Cava Ross Professor of Medicine (Emeritus), Medical College of Wisconsin

Gout and Pseudogout

J. Allen McCutchan, MD, MSc

Professor of Medicine, Division of Infectious Diseases, School of Medicine, University of California at San Diego

Human Immunodeficiency Virus Infection; Sexually Transmitted Diseases

Daniel E. McGinley-Smith, MD

Private Practice, New England Dermatology, Lebanon, NH; Staff Dermatologist, New London Hospital

Pigment Disorders

Karen McKoy, MD, MPH

Assistant Clinical Professor in Dermatology, Harvard Medical School; Senior Staff, Group Practice, Lahey Clinic Department of Dermatology, Burlington, MA

Acne

James I. McMillan, MD

Associate Professor of Medicine, Loma Linda University; Chief, VA Loma Linda Healthcare System

Kidney Failure; Dialysis

S. Gene McNeeley, MD

Chief of Gynecology, Hutzel Women's Hospital; Clinical Professor, Michigan State University, College of Osteopathic Medicine, Hutzel Women's Health Specialists

Pelvic Floor Disorders; Noncancerous Gynecologic Abnormalities

Noshir R. Mehta, DMD, MDS, MS

Professor and Chairman of General Dentistry; Assistant Dean, International Relations; Director, Craniofacial Pain Center, Tufts University School of Dental Medicine

Temporomandibular Disorders

Daniel R. Mishell Jr., MD

Lyle G. McNeile Professor, Department of Obstetrics and Gynecology, Keck School of Medicine, University of Southern California; Chief Physician, Womens and Childrens Hospital, Los Angeles County and University of Southern California Medical Center
Family Planning

L. Brent Mitchell, MD

Professor and Head, Department of Cardiac Sciences, University of Calgary; Director, Libin Cardiovascular Institute of Alberta, Calgary Health Region and University of Calgary
Abnormal Heart Rhythms

Richard T. Miyamoto, MD

Arilla Spence DeVault Professor and Chairman, Department of Otolaryngology–Head and Neck Surgery, Indiana University School of Medicine
Middle and Inner Ear Disorders

Joel L. Moake, MD

Professor of Medicine, Baylor College of Medicine; Associate Director, Biomedical Engineering Laboratory, Rice University
Bleeding and Clotting Disorders

Julie S. Moldenhauer, MD

Assistant Professor of Obstetrics and Gynecology, University of North Carolina
Complications of Labor and Delivery; Postdelivery Period

Pekka Mooar, MD

Associate Professor, Department of Orthopaedics and Sports Medicine, Temple University School of Medicine
Biology of the Musculoskeletal System

John E. Morley, MB, BCh

Dammert Professor of Gerontology, St. Louis University Health Sciences Center; Director of Geriatric Research, Education and Clinical Center, St. Louis VA Medical Center
Biology of the Endocrine System

Angela Cafiero Moroney, PharmD

Assistant Professor of Clinical Pharmacy, Philadelphia College of Pharmacy, University of the Sciences in Philadelphia; Clinical Pharmacy Specialist-Geriatrics, Philadelphia VA Medical Center
Drug Dynamics

John Morrison, MD

Professor of Obstetrics and Gynecology and Pediatrics, University of Mississippi Medical Center
High-Risk Pregnancy

David F. Murchison, DDS, MMS

Colonel, USAF, DC; Director, Air Force Dental Operations, USAF Dental Service, Lackland-Kelly Air Force Base
Urgent Dental Problems

Edward A. Nardell, MD

Associate Professor, Harvard Medical School and Harvard School of Public Health; Department of Social Medicine and Health Inequalities, Brigham and Women's Hospital
Tuberculosis; Leprosy

Linda P. Nelson, DMD, MScD

Assistant Professor of Pediatric Dentistry, Harvard School of Dental Medicine; Associate Pediatric Dentist, Children's Hospital
Biology of the Mouth

John H. Newman, MD

Elsa S. Hanigan Professor of Pulmonary Medicine, Vanderbilt University School of Medicine
Pulmonary Embolism; Pulmonary Hypertension

Lee S. Newman, MD, MA

Professor, Department of Preventive Medicine and Biometrics and Department of Medicine, University of Colorado at Denver and Health Sciences Center
Allergic and Autoimmune Diseases of the Lungs; Environmental Lung Diseases

Patrick G. O'Connor, MD, MPH

Professor of Medicine; Chief, Section of General Internal Medicine, Yale University School of Medicine
Drug Use and Abuse

Gerald F. O'Malley, DO

Clinical Associate Professor, Department of Emergency Medicine, Thomas Jefferson University Hospital; Director of Research, Department of Emergency Medicine, Albert Einstein Medical Center
Poisoning

Joseph G. Ouslander, MD

Professor of Medicine and Director, Division of Geriatric Medicine and Gerontology, Emory University School of Medicine
Urinary Incontinence

James T. Pacala, MD

Associate Professor and Distinguished University Teaching Professor, Family Practice and Community Health, University of Minnesota Medical School
Prevention

Robert M. Palmer, MD, MPH

Visiting Professor of Medicine and Clinical Director, Division of Geriatric Medicine, Department of Medicine, University of Pittsburgh
Hospital Care

Elizabeth J. Palumbo, MD

Private Practice, The Pediatric Group, Fairfax, VA
Problems in Infants and Very Young Children

Richard D. Pearson, MD

Professor of Medicine and Pathology; Senior Associate Dean for Education, University of Virginia School of Medicine
Parasitic Infections

Lawrence L. Pelletier, Jr., MD

Professor of Internal Medicine, University of Kansas School of Medicine; Staff Physician, Robert J. Dole VA Medical and Regional Office Center, Wichita
Infective Endocarditis

Frank Pessler, MD, PhD

Pediatric Rheumatologist, Klinik und Poliklinik für Kinder und Jugendmedizin, Medizinische Fakultät Carl-Gustav-Carus, Technische Universität, Dresden
Juvenile Idiopathic Arthritis; Bone Disorders; Hereditary Connective Tissue Disorders

Stephen P. Peters, MD, PhD

Professor of Medicine and Pediatrics and Associate Director, Center for Human Genomics, Wake Forest University Health Sciences
Asthma

Hart Peterson, MD

Clinical Professor of Neurology in Pediatrics (Retired), Cornell University; Attending Neurologist and Pediatrician (Retired), New York Hospital
Cerebral Palsy

William A. Petri, Jr., MD, PhD

Wade Hampton Frost Professor of Epidemiology and Chief, Division of Infectious Diseases and International Health, University of Virginia School of Medicine
Rickettsial and Related Infections

David G. Pfister, MD

Professor, Weill Medical College of Cornell University; Member and Attending Physician and Chief, Head and Neck Medical Oncology, Memorial Sloan-Kettering Cancer Center
Symptoms and Diagnosis of Cancer

Katharine A. Phillips, MD

Professor of Psychiatry and Human Behavior, Butler Hospital and The Warren Alpert Medical School of Brown University
Somatoform Disorders

Harold C. Pillsbury III, MD

Thomas J. Dark Distinguished Professor and Chairman, Department of Otolaryngology–Head and Neck Surgery, University of North Carolina, Chapel Hill
Biology of the Ears, Nose, and Throat

JoAnn V. Pinkerton, MD

Professor of Obstetrics and Gynecology and Director, Midlife Health, University of Virginia Health System
Menstrual Disorders and Abnormal Vaginal Bleeding

Russell K. Portenoy, MD

Professor of Neurology and Anesthesiology, Albert Einstein College of Medicine; Chairman, Department of Pain Medicine and Palliative Care, Beth Israel Medical Center
Pain

Carol S. Portlock, MD

Professor of Clinical Medicine, New York Weill Cornell University Medical College; Attending Physician, Lymphoma Service, Memorial Sloan-Kettering Cancer Center
Lymphomas

Michael Pourfar, MD

Assistant Professor, Department of Medicine,
New York University School of Medicine
Movement Disorders

Josef T. Prchal, MD

Professor of Medicine, Division of Hematology,
University of Utah; George E. Wahlen Veterans
Administration Medical Center
Myeloproliferative Disorders

Glenn M. Preminger, MD

Professor of Urologic Surgery and Director,
Comprehensive Kidney Stone Center, Duke
University Medical Center
Obstruction of the Urinary Tract

Sally Pullman-Moore, MD

Clinical Associate Professor, Department of
Medicine, Division of Rheumatology,
University of Pennsylvania; Chief, Department
of Rheumatology, Philadelphia Veterans
Administration Medical Center
Low Back and Neck Pain

Lawrence G. Raisz, MD

Board of Trustees Distinguished Professor of
Medicine and Director, UConn Center for
Osteoporosis, University of Connecticut Health
Center
Osteoporosis

Pedro T. Ramirez, MD

Assistant Professor, Gynecologic Oncology
Department, The University of Texas M.D.
Anderson Cancer Center
Cancers of the Female Reproductive System

Robert W. Rebar, MD

Executive Director, American Society for
Reproductive Medicine; Volunteer Clinical
Professor, Department of Obstetrics and
Gynecology, University of Alabama,
Birmingham
Endometriosis; Infertility

Wingfield E. Rehmus, MD, MPH

Clinical Assistant Professor of Dermatology,
Stanford University; Ministry of Health, Koror,
Palau
Nail Disorders

Douglas J. Rhee, MD

Assistant Professor, Massachusetts Eye and Ear
Infirmary, Harvard Medical School
Glaucoma

Melvin I. Roat, MD

Clinical Associate Professor, Department of
Ophthalmology, Thomas Jefferson University;
Cornea Service, Wills Eye Institute
Corneal Disorders

James R. Roberts, MD

Professor and Vice Chairman, Department of
Emergency Medicine, Drexel University
College of Medicine; Chair, Department of
Emergency Medicine and Director, Division of
Toxicology, Mercy Catholic Medical Center
Fractures

Austin S. Rose, MD

Assistant Professor, Department of
Otolaryngology–Head and Neck Surgery,
University of North Carolina, Chapel Hill
Biology of the Ears, Nose, and Throat

Peter L. Rosenblatt, MD

Assistant Professor, Obstetrics, Gynecology and
Reproductive Biology, Harvard Medical
School; Director of Urogynecology, Mount
Auburn Hospital, Beth Israel Deaconess
Medical Center
Female Reproductive System

Beryl J. Rosenstein, MD

Professor of Pediatrics, Johns Hopkins
University School of Medicine
Cystic Fibrosis

Steven Rosenzweig, MD

Clinical Associate Professor, Drexel University
College of Medicine
Complementary and Alternative Medicine

Robert J. Ruben, MD

Distinguished University Professor,
Department of Otolaryngology–Head and
Neck Surgery, Albert Einstein College of
Medicine and Montefiore Medical Center
*Hearing Loss and Deafness; Ear, Nose, and
Throat Disorders*

Fred H. Rubin, MD

Professor of Medicine, University of Pittsburgh
School of Medicine; Chair, Department of
Medicine, University of Pittsburgh Medical
Center, Presbyterian Shadyside Hospital,
Shadyside Campus
Immunization

Michael Rubin, MD

Professor of Clinical Neurology, Weill Cornell Medical College; Director, Neuromuscular Service and EMG Laboratory, New York Presbyterian Hospital–Cornell Medical Center
Muscular Dystrophies and Related Disorders; Spinal Cord Disorders; Peripheral Nerve Disorders; Cranial Nerve Disorders

Atenodoro R. Ruiz, Jr., MD

Attending Physician, Department of Medicine–Gastroenterology, Kaiser Permanente, Santa Clara
Malabsorption

J. Mark Ruscini, PharmD

Professor, Department of Pharmacy Practice, Southern Illinois University Edwardsville School of Pharmacy
Aging and Drugs

Julie E. Russack, MD

Melanoma Fellow, Rigel Dermatology (private practice associated with New York University Medical Center)
Blistering Diseases

Paul S. Russell, MD

John Homans Distinguished Professor of Surgery, Harvard Medical School; Senior Surgeon, Massachusetts General Hospital
Transplantation

Charles Sabatino, JD

Adjunct Professor, Georgetown University Law Center; Director, Commission on Law and Aging, American Bar Association
Legal and Ethical Issues

David B. Sachar, MD

Clinical Professor of Medicine, Mount Sinai School of Medicine; Director (Emeritus) of the Dr. Henry D. Janavitz Division of Gastroenterology, The Mount Sinai Hospital
Inflammatory Bowel Diseases; Clostridium difficile-Induced Colitis

Seyed-Ali Sadjadi, MD

Associate Professor of Medicine, Loma Linda University School of Medicine
Blood Vessel Disorders of the Kidneys; Kidney Filtering Disorders

Lee M. Sanders, MD, MPH

Associate Professor of Pediatrics, University of Miami, Miller School of Medicine; Associate Professor of Pediatrics, Holtz Children's Hospital
Hereditary Metabolic Disorders

Christopher Sanford, MD, MPH, DTM & H

Clinical Assistant Professor, Department of Family Medicine, University of Washington; Co-Director, Travel Clinic, Hall Health Center, University of Washington
Travel and Health

Clarence T. Sasaki, MD

The Charles W. Ohse Professor, Chief of Otolaryngology, and Director, Head and Neck Unit of the Yale Comprehensive Cancer Center
Throat Disorders

Peter C. Schalock, MD

Instructor in Dermatology, Harvard Medical School; Assistant in Dermatology, Massachusetts General Hospital
Itching and Noninfectious Rashes

Steven Schmitt, MD

Head, Section of Bone and Joint Infections, Department of Infectious Disease, Cleveland Clinic
Bone and Joint Infections

Eldon A. Shaffer, MD

Professor of Medicine, Faculty of Medicine, University of Calgary
Diagnostic Tests for Liver, Gallbladder, and Biliary Disorders; Fatty Liver, Cirrhosis, and Related Disorders; Blood Vessel Disorders of the Liver; Gallbladder Disorders

Nicholas J. Shaheen, MD, MPH

Associate Professor of Medicine and Epidemiology, University of North Carolina School of Medicine; Director, Center for Esophageal Diseases and Swallowing, University of North Carolina Hospitals
Biology of the Digestive System; Symptoms and Diagnosis of Digestive Disorders

Stewart Shankel, MD

Clinical Professor of Medicine and Director of Clinical Medicine, University of California at Riverside
Urinary Tract Infections

William R. Shapiro, MD

Professor of Clinical Neurology, University of Arizona College of Medicine, Tucson; Chief, Neuro-Oncology, Barrow Neurological Institute

Tumors of the Nervous System

David D. Sherry, MD

Professor of Pediatrics, The Children's Hospital of Philadelphia, University of Pennsylvania
Juvenile Idiopathic Arthritis; Bone Disorders; Hereditary Connective Tissue Disorders

Stephen D. Silberstein, MD

Professor of Neurology, Headache Center, Thomas Jefferson University
Headaches

Harold M. Silverman, PharmD

Editor-in-Chief, The Pill Book
Trade-Name and Generic Drugs

Daphne Simeon, MD

Associate Professor, Department of Psychiatry, Mount Sinai School of Medicine
Dissociative Disorders

Ashish C. Sinha, MD, PhD

Assistant Professor, Anesthesiology and Critical Care, University of Pennsylvania School of Medicine
Obesity and the Metabolic Syndrome (Bariatric Surgery portion)

Donna L. Skerrett, MD

Associate Professor of Clinical Pathology and Laboratory Medicine and Director of Transfusion Medicine and Cellular Therapy, Weill Cornell Medical College
Blood Transfusion

Richard V. Smith, MD

Vice Chair, Department of Otorhinolaryngology, Head and Neck Surgery, Albert Einstein College of Medicine; Director, Head and Neck Service, Montefiore Medical Center
Nose and Throat Cancers

Norman Sohn, MD

Clinical Assistant Professor of Surgery, New York University School of Medicine; Attending Surgeon, Lenox Hill Hospital
Anal and Rectal Disorders

David E. Soper, MD

Professor and Vice Chairman for Clinical Affairs, Department of Obstetrics and Gynecology, Medical University of South Carolina
Pelvic Inflammatory Disease; Vaginal Infections

David R. Steinberg, MD

Associate Professor, Department of Orthopaedic Surgery, and Director, Hand and Upper Extremity Fellowship Program, Department of Orthopaedic Surgery, University of Pennsylvania School of Medicine
Hand Disorders

Marvin E. Steinberg, MD

Professor (Emeritus) of Orthopaedic Surgery, University of Pennsylvania School of Medicine
Osteonecrosis

Kingman P. Strohl, MD

Professor of Medicine and Director, Center for Sleep Disorders Research, Case Western Reserve University
Sleep Apnea

Albert J. Stunkard, MD

Professor of Psychiatry, University of Pennsylvania School of Medicine
Eating Disorders

Alan M. Sugar, MD

Professor of Medicine (Emeritus), Boston University School of Medicine; Medical Director, Infectious Disease Clinical Services and HIV/AIDS Program, Cape Cod Healthcare
Fungal Infections

Stephen Brian Sulkes, MD

Professor of Pediatrics, Division of Neurodevelopmental and Behavioral Pediatrics, Golisano Children's Hospital at Strong, University of Rochester School of Medicine and Dentistry
Mental Retardation/Intellectual Disability; Behavioral and Developmental Problems in Young Children; Learning and Developmental Disorders

David A. Swanson, MD

Clinical Professor, Department of Urology, The University of Texas, M.D. Anderson Cancer Center
Cancers of the Kidney and Urinary Tract

Moira Szilagyi, MD, PhD

Associate Professor of Pediatrics, University of Rochester; Medical Director, Starlight Pediatrics, Monroe County Health Department
Social Issues Affecting Children and Their Families

Paul H. Tanser, MD

Professor of Medicine (Emeritus), McMaster University, Hamilton, Ontario; Cardiology Consultant, North Shore and Waitakere Hospitals, Auckland
Biology of the Heart and Blood Vessels; Symptoms and Diagnosis of Heart and Blood Vessel Disorders; Heart Valve Disorders

Joan B. Tarloff, PhD

Professor, Department of Pharmaceutical Sciences, University of the Sciences in Philadelphia
Adverse Drug Reactions

Mary Territo, MD

Professor of Medicine, Director of Hematopoietic Stem Cell Transplantation, University of California, Los Angeles
White Blood Cell Disorders

David R. Thomas, MD

Professor of Internal Medicine, Division of Geriatrics, Saint Louis University Health Sciences Center
Undernutrition

Elizabeth Chabner Thompson, MD, MPH

Private Practice, NY Group for Plastic Surgery
Overview of Cancer; Prevention and Treatment of Cancer

Stig Thunell, MD, PhD

Professor, Karolinska Institute; Senior Consultant, Porphyria Center Sweden, Karolinska University Hospital Huddinge, Stockholm
Porphyrias

Courtney M. Townsend, Jr., MD

Professor and John Woods Harris Distinguished Chairman, Department of Surgery, The University of Texas Medical Branch at Galveston
Carcinoid Tumors

Oren Traub, MD, PhD

Attending Physician, Department of Internal Medicine, Pacific Medical Centers and University of Washington
The Science of Medicine and Clinical Trials

Amal Trivedi, MD, MPH

Assistant Professor of Community Health, The Warren Alpert Medical School of Brown University; Investigator, REAP on Outcomes and Quality in Chronic Disease and Rehabilitation, Providence VA Medical Center
Health Care Coverage for Older People

Anne S. Tsao, MD

Assistant Professor, Department of Thoracic/Head and Neck Oncology, Division of Cancer Medicine, University of Texas M.D. Anderson Cancer Center
Cancer of the Lungs

Allan R. Tunkel, MD, PhD

Chair, Department of Medicine, Monmouth Medical Center; Professor of Medicine, Drexel University College of Medicine
Biology of Infectious Disease

Alexander G. G. Turpie, MD

Professor of Medicine, McMaster University and Hamilton Health Sciences General Hospital
Venous Disorders; Lymphatic Disorders

James T. Ubertalli, DMD

Assistant Clinical Professor, Tufts University School of Dental Medicine; Private Practice, Hingham, MA
Periodontal Diseases; Tooth Disorders

Marguerite A. Urban, MD

Associate Professor of Medicine, University of Rochester School of Medicine
Viral Infections

Eva M. Vivian, PharmD

Clinical Associate Professor, University of Wisconsin School of Pharmacy
Overview of Drugs

Victor G. Vogel, MD, MHS

National Vice President for Research, American Cancer Society
Breast Disorders

Aaron E. Walfish, MD

Division of Digestive Diseases, Department of Medicine, Beth Israel Medical Center, Manhattan Campus of Albert Einstein College of Medicine

Inflammatory Bowel Diseases; Clostridium difficile-Induced Colitis

James Wayne Warnica, MD

Professor of Medicine, Department of Cardiac Science, University of Calgary; Director, Cardiac Intensive Care Unit, Foothills Medical Centre

Coronary Artery Disease

Geoffrey A. Weinberg, MD

Professor of Pediatrics, University of Rochester School of Medicine and Dentistry; Director, Pediatric HIV Program, Golisano Children's Hospital at Strong

Bacterial Infections

Gregory L. Wells, MD

Resident in Dermatology, Dartmouth Medical School and Dartmouth-Hitchcock Medical Center

Skin Cancers

John B. West, MD, PhD, DSc

Professor of Medicine and Physiology, University of California, San Diego

Altitude Sickness

Terrie Fox Wetle, PhD, MS

Associate Dean of Medicine for Public Health, The Warren Alpert Medical School; Professor, Department of Community Health, Division of Biology and Medicine, Brown University

Coping with Changes Related to Aging

Kendrick Alan Whitney, DPM

Assistant Professor, Department of Medicine and Orthopedics, Temple University School of Podiatric Medicine

Foot Problems

Margaret-Mary G. Wilson, MD

Medical Director, Health Services, UnitedHealthcare, Maryland Heights

Overview of Nutrition; Disorders of Unknown Cause

Robert A. Wise, MD

Professor of Medicine, Pulmonary and Critical Care, Johns Hopkins University School of Medicine

Chronic Obstructive Pulmonary Disease

Steven E. Wolf, MD

Betty and Bob Kelso Distinguished Chair in Burns and Trauma, Vice-Chair for Research and Professor, Department of Surgery, University of Texas Health Science Center—San Antonio; Chief, Clinical Research, United States Army Institute of Surgical Research

Burns

Eiji Yanagisawa, MD

Clinical Professor of Otolaryngology, Yale University School of Medicine

Outer Ear Disorders

Heidi Yeh, MD

Instructor in Surgery, Harvard Medical School; Assistant in Surgery, Massachusetts General Hospital

Transplantation

Adrienne Youdim, MD

Director, Medical Weight Loss, Cedars-Sinai Center for Weight Loss

Obesity and the Metabolic Syndrome

Lowell S. Young, MD

Clinical Professor of Medicine, University of California at San Francisco; Director, Kuzell Institute, California Pacific Medical Center

Bacteremia, Sepsis, and Septic Shock