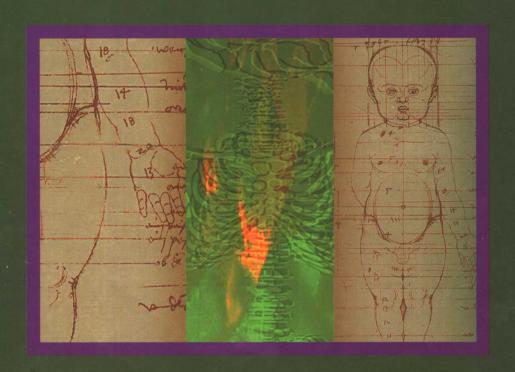
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第17版・上卷



主编 BEHRMAN KLIEGMAN JENSON 主译 沈晓明 朱建幸 孙 锟





尼尔森儿科学

Nelson Textbook of Pediatrics

主编: Richard E. Behrman

Robert M. Kliegman

Hal B. Jenson

主译: 沈晓明

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秘书 朱晓东

译者

(按姓氏笔画排序)

上海交通大学医学院附属新华医院、上海儿童医学中心

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著者名单

Jon S. Abramson, MD

Professor and Chair, Department of Pediatrics, Wake Forest University School of Medicine; North Carolina Baptist Hospital, Winston-Salem, North Carolina Streptococcus pneumoniae (Pneumococcus)

Mark J. Abzug, MD

Professor of Pediatrics (Pediatric Infectious Diseases), University of Colorado School of Medicine; The Children's Hospital, Denver, Colorado Nonpolio Enteroviruses

William G. Adams, MD

Assistant Professor of Pediatrics, Boston University School of Medicine, Boston, Massachusetts Rabies

John J. Aiken, MD

Assistant Professor of Pediatric Surgery, Medical College of Wisconsin, Milwaukee, Wisconson Inquinal Hernias

Hassan H. A-Kader, MD

Associate Professor of Pediatrics, University of Arizona, Tucson, Arizona Cholestasis

Ramin Alemzadeh, MD

Associate Professor of Pediatrics, Section of Endocrinology and Diabetes, Medical College of Wisconsin; Director, Diabetes Program, Children's Hospital of Wisconsin, Milwaukee, Wisconsin Diabetes Mellitus in Children

Alia Y. Antoon, MD

Assistant Clinical Professor, Harvard Medical School; Chief of Pediatrics, Shriners Burns Hospital; Pediatrician, Massachusetts General Hospital, Boston, Massachusetts Burn Injuries; Cold Injuries

Carola A. S. Arndt, MD

Associate Professor, Mayo Medical School; Department of Pediatrics, Division of Pediatric Hematology-Oncology, Mayo Clinic and Foundation, Rochester, Minnesota Soft Tissue Sarcomas; Neoplasms of Bone

Stephen S. Arnon, MD

Senior Investigator and Chief, Infant Botulism Treatment and

Prevention Program, California Department of Health Services, Berkeley, California Botulism (*Clostridium botulinum*); Tetanus (*Clostridium tetani*)

Stephen C. Aronoff, MD

Professor and Chair, Department of Pediatrics, Temple University School of Medicine, Philadelphia, Pennsylvania Candida; Cryptococcus neoformans; Aspergillus; Histoplasmosis (Histoplasma capsulatum); Blastomycosis (Blastomyces dermatitidis); Paracoccidioides brasiliensis; Sporotrichosis (Sporothrix schenckii); Zygomycosis; Primary Amebic Meningoencephalitis; Nonbacterial Food Poisoning

David M. Asher, MD

Chief, Laboratory of Bacterial, Parasitic, and Unconventional Agents, Division of Emerging and Transfusion-Transmitted Diseases, Office of Blood Research and Review, Center for Biologics Evaluation and Research, U. S. Food and Drug Administration, Kensington, Maryland Transmissible Spongiform Encephalopathies

Joann L. Ater, MD

Associate Professor of Pediatrics, University of Texas M. D. Anderson Cancer Center, Houston, Texas Brain Tumors in Childhood; Neuroblastoma

Dan Atkins, MD

Associate Professor of Pediatrics, University of Colorado Health Sciences Center; Director, Ambulatory Pediatrics, National Jewish Medical Research Center, Denver, Colorado Diagnosis of Allergic Disease; Principles of Treatment of Allergic Disease

Marilyn Augustyn, MD

Assistant Professor, Boston University School of Medicine; Boston Medical Center, Boston, Massachusetts Impact of Violence on Children

Ellis D. Avner, MD

The Gertrude Lee Chandler Tucker Professor and Chair, Department of Pediatrics, Case Western Reserve University School of Medicine; Chief Medical Officer, Rainbow Babies and Children's Hospital, University Hospitals of Cleveland, Cleveland, Ohio

Glomerular Disease; Conditions Particularly Associated with Hematuria; Conditions Particularly Associated with Proteinuria; Tubular Function; Proximal (Type II) Renal Tubular Acidosis; Distal (Type I) Renal Tubular Acidosis; Hyperkalemic (Type IV) Renal Tubular Acidosis; Nephrogenic Diabetes Insipidus; Bartter/Gitelman Syndromes and Other

Inherited Tubular Transport Abnormalities; Tubulointerstitial Nephritis; Toxic Nephropathy; Cortical Necrosis; Renal Failure

Parvin Azimi, MD

Clinical Professor of Pediatrics, University of California, San Francisco, School of Medicine; Director, Infectious Diseases, Children's Hospital and Research Center at Oakland, Oakland, California

Chancroid (Haemophilus decreyi); Syphilis (Treponema pallidum); Nonvenereal Treponemal Infections; Leptospira; Relapsing Fever (Borrelia)

William F. Balistreri, MD

Professor of Pediatrics, University of Cincinnati School of Medicine; Director, Division of Gastroenterology, Hepatology, and Nutrition, Children's Hospital Medical Center, Cincinnati, Ohio

Development and Function of the Liver and Biliary System; Manifestations of Liver Disease; Cholestasis; Metabolic Diseases of the Liver; Liver Abscess; Liver Disease Associated with Systemic Disorders; Reye Syndrome and the Mitochondrial Hepatopathies

Robert S. Baltimore, MD

Professor of Pediatrics and of Epidemiology and Public Health, Yale University School of Medicine; Associate Hospital Epidemiologist, Yale-New Haven Hospital; Attending Pediatrician, Yale-New Haven Children's Hospital, New Haven, Connecticut

Listeria monocytogenes; Pseudomonas, Burkholderia, and Stenotrophomonas

Fred F. Barrett, MD

Professor of Pediatrics, University of Tennessee Center for Health Sciences; Associate Medical Director, Le Bonheur Children's Medical Center, Memphis, Tennessee Infection Associated with Medical Devices

Dorsey M. Bass, MD

Associate Professor of Pediatrics, Stanford University School of Medicine; Attending Physician, Lucile Salter Packard Children's Hospital, Palo Alto, California Rotavirus and Other Agents of Viral Gastroenteritis

Michael D. Bates, MD, PhD

Assistant Professor of Pediatrics, Division of Gastroenterology, Hepatology, and Nutrition, Division of Developmental Biology, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

Development and Function of the Liver and Biliary System

Mark L. Batshaw, MD

Professor and Chair of Pediatrics, George Washington University; Chief Academic Officer, Children's National Medical Center, Washington, DC Mental Retardation

Howard Bauchner, MD

Professor of Pediatrics and Public Health, Boston University School of Medicine; Director, Division of General Pediatrics, Boston Medical Center, Boston, Massachusetts Failure to Thrive

Richard E. Behrman, MD

Clinical Professor of Pediatrics, Stanford University School of Medicine and University of California, San Francisco, School of Medicine; Executive Chair, Federation of Pediatric Organizations, Inc., Pediatric Education Steering Committee, Palo Alto, California Overview of Pediatrics; Children at Special Risk

Daniel Bernstein, MD

Professor of Pediatrics, Stanford University School of Medicine; Chief, Division of Pediatric Cardiology, Co-Director, Children's Heart Center, Lucile Packard Children's Hospital, Palo Alto, California
Developmental Biology of the Cardiovascular System; Evaluation of the Cardiovascular System; Congenital Heart Disease; Acquired Heart Disease; Diseases of the Myocardium and Pericardium; Cardiac Therapeutics; Diseases of the Peripheral Vascular System

Ronald Blanton, MD

Associate Professor of Medicine, Case Western Reserve University School of Medicine; Wade Park Veteran's Administration Hospital, Cleveland, Ohio Adult Tapeworm Infections; Cysticercosis; Echinococcus granulosus and E. multilocularis)

Archie Bleyer, MD

Professor and Mosbacher Chair of Pediatrics, University of Texas; Director, Community Clinical Oncology Program, University of Texas M. D. Anderson Cancer Center, Houston, Texas

Principles of Diagnosis; Principles of Treatment; The Leukemias

Steven Boas, MD

Associate Professor of Pediatrics, Feinberg School of Medicine, Northwestern University; Pediatric Pulmonologist, Children's Memorial Hospital, Chicago, Illinois Emphysema and Overinflation; α_l -Antitrypsin Deficiency and Emphysema; Other Distal Airway Diseases; Skeletal Diseases Influencing Pulmonary Function

Thomas F. Boat, MD

Professor and Chair, Department of Pediatrics, University of Cincinnati College of Medicine; Director, Research Foundation, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

Chronic or Recurrent Respiratory Symptoms; Cystic Fibrosis

Mark Boguniewicz, MD

Professor of Pediatrics, Division of Allergy-Immunology, University of Colorado School of Medicine; National Jewish Medical and Research Center, Denver, Colorado Adverse Reactions to Drugs; Ocular Allergies

Melissa L. Bondy, PhD

Professor of Epidemiology, University of Texas M. D. Anderson Cancer Center, Houston, Texas Epidemiology of Childhood and Adolescent Cancer

Robert A. Bonomo, MD

Associate Professor of Medicine, Case Western Reserve University School of Medicine; Section Chief, Division of Infectious Diseases, Veterans Administration Medical Center, Cleveland, Ohio

African Trypanosomiasis (Sleeping Sickness; *Trypanosoma brucei* complex); American Trypanosomiasis (Chagas Disease; *Trypanosoma cruzi*)

Neil W. Boris, MD

Assistant Professor of Community Health Sciences, Tulane University School of Public Health and Tropical Medicine; Co-Director, Child Psychiatry Consultation Service, Tulane University Hospital and Medical Center of Louisiana, New Orleans, Louisiana

The Clinical Interview (History); Psychiatric Considerations of Central Nervous System Injury; Psychosomatic Illness; Rumination Disorder; Pica; Enuresis (Bed-wetting); Encopresis; Habit Disorders; Anxiety Disorders; Mood Disorders; Suicide and Attempted Suicide; Disruptive Behavioral Disorders; Pervasive Developmental Disorders and Childhood Psychosis

Laurence A. Boxer, MD

Professor of Pediatrics, University of Michigan School of Medicine; Director, Pediatric Hematology/Oncology, C. S. Mott Children's Hospital, Ann Arbor, Michigan Neutrophils; Eosinophils; Disorders of Phagocyte Function; Leukopenia; Leukocytosis

David T. Breault, MD, PhD

Clinical Fellow in Pediatrics, Harvard Medical School; Fellow in Endocrinology, Children's Hospital Boston, Boston, Massachusetts

Diabetes Insipidus; Other Abnormalities of Arginine Vasopressin Metabolism and Action

W. Ted Brown, MD, PhD

Chair, Department of Human Genetics, Director, George A. Jervis Clinic, NYS Institute for Basic Research in Developmental Disabilities, Staten Island, New York Progeria

Rebecca H. Buckley, MD

J. Buren Sidbury Professor of Pediatrics, Professor of Immunology, Duke University School of Medicine; Chief, Division of Allergy and Immunology, Department of Pediatrics, Duke University Medical Center, Durham, North Carolina

Evaluation of the Immune System; The T-, B- and NK-Cell Systems

Cynthia Budek, MS

Pediatric Nurse Practitioner, Pulmonary Medicine, Children's Memorial Hospital, Chicago, Illinois Chronic Severe Respiratory Insufficiency

Brenda Bursch, PhD

Assistant Professor of Psychiatry and Behavioral Sciences, Assistant Professor of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles; Associate Director, Pediatric Pain Program, Mattel Children's Hospital at UCLA, Los Angeles, California Pediatric Pain Management

Bruce M. Camitta, MD

Professor of Pediatrics, Medical College of Wisconsin; Children's Hospital of Wisconsin, Milwaukee, Wisconsin Polycythemia (Erythrocytosis); The Spleen; The Lymphatic System

James T. Cassidy, MD

Professor of Pediatrics, Department of Child Health; Chief, Pediatric Rheumatology, University of Missouri, Columbia, Missouri

Treatment of Rheumatic Diseases; Juvenile Rheumatoid Arthritis; Postinfectious Arthritis and Related Conditions

Ellen Gould Chadwick, MD

Associate Professor of Pediatrics, Northwestern University Medical School; Co-Director, Division of Pediatrics, Adolescent and Maternal HIV Infection, Children's Memorial Hospital, Chicago, Illinois

Acquired Immunodeficiency Syndrome (Human Immunodeficiency Virus)

Yuan-Tsong Chen, MD, PhD

Professor and Chief, Division of Medical Genetics, Duke University Medical Center, Durham, North Carolina; Director, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan

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Russell W. Chesney, MD

LeBonheur Professor and Chair of Pediatrics, University of Tennessee Health Sciences Center; Senior Vice President for Academic Affairs, LeBonheur Children's Medical Center, Memphis, Tennessee

Rickets Associated with Renal Tubular Acidosis; Metabolic Bone Disease

Joseph N. Chorley, MD

Assistant Professor of Pediatrics, Sports Medicine, Baylor College of Medicine; Staff Member, Texas Children's Hospital, Houston, Texas Sports Medicine

Robert D. Christensen, MD

Professor and Chair, Department of Pediatrics, University of South Florida College of Medicine, St. Petersburg, Florida Development of the Hematopoietic System

Robin B. Churchill, MD

Assistant Professor of Pediatrics, Eastern Virginia Medical School; Attending Physician, Pediatric Infectious Diseases Division, Children's Hospital of The King's Daughters, Norfolk, Virginia

Blastomycosis (Blastomyces dermatitidis); Paracoccidioides brasiliensis; Sporotrichosis (Sporothrix schenckii); Zygomycosis

Theodore J. Cieslak, MD

Clinical Associate Professor, Uniformed Services University, Bethesda, Maryland; University of Texas Health Science Center, San Antonio, Texas; Chairman, San Antonio Military Pediatric Center, Brooke Army Medical Center, Fort Sam Houston, Texas Biologic and Chemical Terrorism

Thomas G. Cleary, MD

Professor and Director, Division of Pediatric Infectious Diseases, University of Texas Health Science Center, Houston; Memorial Hermann Children's Hospital, Houston, Texas

Salmonella; Shigella; Escherichia coli

Pinchas Cohen, MD

Professor of Pediatrics, David Geffen School of Medicine, University of California, Los Angeles; Chief of Endocrinology, Mattel Children's Hospital, Los Angeles, California

Hyperpituitarism, Tall Stature, and Overgrowth Syndromes

F. Sessions Cole, MD

Park J. White, MD, Professor of Pediatrics, Washington University School of Medicine; Director, Division of Newborn Medicine, St. Louis Children's Hospital, St. Louis, Missouri Pulmonary Alveolar Proteinosis; Inherited Disorders of Surfactant Protein Metabolism

John L. Colombo, MD

Professor of Pediatrics, Pediatric Pulmonology, University of Nebraska Medical Center; Attending Physician, Nebraska Health Systems and Children's Hospital of Omaha, Omaha, Nebraska

Aspiration Syndromes; Chronic Recurrent Aspiration; Gastroesophageal Reflux and Respiratory Disorders

Kenneth L. Cox, MD

Professor of Pediatrics, Chief, Pediatric Gastroenterology and Nutrition, Stanford University School of Medicine; Medical Director, Pediatric Liver Transplant Program, Lucile Salter Packard Children's Hospital, Palo Alto, California Liver Transplantation

Richard Dalton, MD

Professor of Child and Adolescent Psychiatry, Clinical Professor of Pediatrics, Tulane University Health Sciences Center, New Orleans; Medical Director, East Jefferson Mental Health Center, Metairie, Louisiana

Psychosocial Problems; Psychosomatic Illness; Rumination Disorder; Pica; Enuresis (Bed-wetting); Encopresis; Habit Disorders; Anxiety Disorders; Mood Disorders; Suicide and Attempted Suicide; Disruptive Behavioral Disorders; Sexual Behavior and Its Variations; Pervasive Developmental Disorders and Childhood Psychosis; Psychologic Treatment of Children and Adolescents; Separation and Loss

Alan D. D'Andrea, MD

Professor of Pediatrics, Harvard Medical School; Dana-Farber Cancer Institute, Boston, Massachusetts The Constitutional Pancytopenias

Gary L. Darmstadt, MD

Assistant Professor of International Health, Bloomberg School of Public Health, Johns Hopkins University, Baltimore, Maryland; Senior Research Advisor, Saving Newborn Lives Initiative, Save the Children Federation USA, Washington, DC

The Skin

Jorge H. Daruna, PhD

Associate Professor of Psychiatry, Division of Child and Adolescent Psychiatry, Department of Psychiatry and Neurology, Tulane University School of Medicine, New Orleans, Louisiana

The Clinical Interview (History); Psychiatric Considerations of Central Nervous System Injury

Toni Darville, MD

Associate Professor of Pediatrics and Microbiology/ Immunology, University of Arkansas for Medical Sciences, Little Rock, Arkansas Neisseria gonorrhoeae (Gonococcus)

Robert S. Daum, MD

Professor of Pediatrics, University of Chicago; University of Chicago Children's Hospital, Chicago, Illinois Haemophilus influenzae

Ira D. Davis, MD

Associate Professor of Pediatrics, Case Western Reserve University School of Medicine; Chief, Division of Pediatric Nephrology, Rainbow Babies and Children's Hospital, Cleveland, Ohio

Glomerular Disease; Conditions Particularly Associated with Hematuria

Peter S. Dayan, MD

Assistant Professor of Clinical Pediatrics, Columbia University College of Physicians and Surgeons; Fellowship Director, Pediatric Emergency Division, Children's Hospital of New York-Presbyterian, New York, New York

Acute Care of the Multiple Trauma Victim

Dorr G. Dearborn, MD, PhD

Professor of Pediatrics, Case Western Reserve University School of Medicine; Attending Pediatrician, Rainbow Babies and Children's Hospital, Cleveland, Ohio Pulmonary Hemosiderosis

Katherine MacRae Dell, MD

Assistant Professor of Pediatrics, Case Western Reserve University School of Medicine; Attending Pediatric Nephrologist, Rainbow Babies and Children's Hospital, University Hospitals of Cleveland, Cleveland, Ohio Tubular Function; Proximal (Type II) Renal Tubular Acidosis; Distal (Type I) Renal Tubular Acidosis; Hyperkalemic (Type IV) Renal Tubular Acidosis; Nephrogenic Diabetes Insipidus; Bartter/Gitelman Syndromes and Other Inherited Tubular Transport Abnormalities; Tubulointerstitial Nephritis

Robert J. Desnick, MD, PhD

Professor of Human Genetics and Pediatrics, Mount Sinai School of Medicine; Attending Physician, Pediatrics, Mount Sinai Hospital, New York, New York Lipidoses; Mucolipidoses; Disorders of Glycoprotein Degradation and Structure

Joseph V. DiCarlo, MD

Assistant Professor of Pediatrics, Stanford University School of Medicine, Palo Alto, California
Scoring Systems and Predictors of Mortality; Renal Stabilization;
Nutritional Stabilization; Neurologic Stabilization; Acute (Adult)
Respiratory Distress Syndrome (ARDS); Continuous Hemofiltration

Angelo M. DiGeorge, MD

Emeritus Professor of Pediatrics, Temple University School of Medicine, Philadelphia, Pennsylvania
Disorders of the Parathyroid

Patricia A. Donohoue, MD

Professor of Pediatrics, Division of Endocrinology and Diabetes, University of Iowa, Roy J. and Lucille A. Carver College of Medicine, Iowa City, Iowa Obesity

Mary K. Donovan, RN, MS, PNP

NP Preceptor, Northeastern University; Pediatric Nurse Practitioner, Shriners Burns Hospital, Boston, Massachusetts Burn Injuries; Cold Injuries

M. Denise Dowd, MD, MPH

Associate Professor of Pediatrics, University of Missouri, Kansas City; Section Chief, Injury Prevention, Children's Memorial Hospital, Kansas City, Missouri

Emergency Medical Services for Children

Daniel A. Doyle, MD

Assistant Professor of Pediatrics, Thomas Jefferson University, Philadelphia, Pennsylvania; A. I. duPont Hospital for Children, Wilmington, Delaware Disorders of the Parathyroid

Anne Dubin, MD

Associate Professor of Pediatrics, Stanford University School of Medicine; Arrhythmia Service, Lucile Salter Packard Children's Hospital, Palo Alto, California Cardiac Arrhythmias

J. Stephen Dumler, MD

Associate Professor, Division of Medical Microbiology, Department of Pathology, Graduate Program in Cellular and Molecular Medicine, Department of Molecular Microbiology and Immunology, The Johns Hopkins University School of Medicine, The Bloomsberg School of Public Health; Director, Laboratory of Parasitology, Co-Director, Molecular Microbiology Laboratory, Johns Hopkins Hospital, Baltimore, Maryland

Rickettsial Infections

Paul H. Dworkin, MD

Professor and Chair, Department of Pediatrics, University of Connecticut School of Medicine; Physician-in-Chief, Connecticut Children's Medical Center; Director and Chair, Department of Pediatrics, St. Francis Hospital and Medical Center, Hartford, Connecticut Child Care

Jack S. Elder, MD

Carter Kissell Professor of Urology, Professor of Pediatrics, Case Western Reserve University School of Medicine; Director, Pediatric Urology, Rainbow Babies and Children's Hospital, Cleveland, Ohio Urologic Disorders in Infants and Children

Jonathan D. Finder, MD

Assistant Professor of Pediatrics, University of Pittsburgh; Pediatric Pulmonologist, Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

Bronchomalacia and Tracheomalacia; Congenital Disorders of the Lung

Margaret C. Fisher, MD

Professor of Pediatrics, Drexel University College of Medicine, Philadelphia; Chair, Department of Pediatrics, Monmouth Medical Center, Long Brach, New Jersey Clostridium difficile-Associated Diarrhea; Other Anaerobic Infections; Infection Control and Prophylaxis

Patricia M. Flynn, MD

Professor of Pediatrics, University of Tennessee Center for Health Sciences; Member, Department of Infectious Diseases, St. Jude Children's Research Hospital, Memphis, Tennessee Infection Associated with Medical Devices; Spore-Forming Intestinal Protozoa

J. Julio Pérez Fontán, MD

Alumni Endowed Professor of Pediatrics and Professor of Anesthesiology, Washington University School of Medicine; Director, Division of Pediatric Critical Care Medicine and Pediatric Intensive Services, St. Louis Children's Hospital,

St. Louis, Missouri

Development of the Respiratory System; Respiratory Pathophysiology; Defense Mechanisms and Metabolic Functions of the Lung

Joel A. Forman, MD

Vice-Chair for Education, Assistant Professor of Pediatrics, Mount Sinai School of Medicine; Director, Pediatric Residency Program, Mount Sinai Hospital, New York, New York Chemical Pollutants

Marc A. Forman, MD

Emeritus Professor of Psychiatry and Pediatrics, Tulane University School of Medicine, New Orleans; Senior Medical Consultant for Clinical Research, SARAH Network of Hospitals of the Locomotor System, Brasilia, Brazil Assessment and Interviewing; Psychiatric Considerations of Central Nervous System Injury; Mood Disorders; Pervasive Developmental Disorders and Childhood Psychosis

Norman Fost, MD, MPH

Professor of Pediatrics and History of Medicine, University of Wisconsin; Director, Program in Bioethics, University of Wisconsin Hospital, Madison, Wisconsin Ethics in Pediatric Care

Lorry R. Frankel, MD

Associate Professor of Pediatrics, Stanford University School of Medicine; Director, Critical Care Services, Lucile Salter Packard Children's Hospital, Palo Alto, California Pediatric Critical Care: An Overview; Interfacility Transfer of the Critically III Infant and Child; Effective Communication with Families in the PICU; Monitoring Techniques for the Critically III Infant and Child; Scoring Systems and Predictors of Mortality; Pediatric Emergencies and Resuscitation; Shock; Respiratory Distress and Failure; Mechanical Ventilation; Neurologic Stabilization; Acute (Adult) Respiratory Distress Syndrome (ARDS); Transplantation Issues in the PICU; Withdrawal or Withholding of Life Support, Brain Death, and Organ Procurement

James French, MD Children's Medical Center, Dayton, Ohio

Children's Medical Center, Dayton, Ohio The Spleen

Madelyn Freundlich, MSW, MPH, JD Policy Director, Children's Rights, New York, New York Adoption; Foster Care

Peter Gal, PharmD

Clinical Professor, School of Pharmacy, University of North Carolina at Chapel Hill; Director, Pharmacy Division, Greensboro Area Health Education Center, Director, Neonatal Pharmacotherapy Fellowship, Women's Hospital of Greensboro, Moses Cone Health System, Greensboro, North Carolina

Principles of Drug Therapy; Medications

Manuel Garcia-Careaga, MD

Assistant Professor of Pediatrics, Stanford University School of Medicine; Lucile Salter Packard Children's Hospital, Palo Alto, California
Malabsorptive Disorders

Paula Gardiner, MD

Tufts University School of Medicine, Boston; Resident, Hallmark Family Health Center, Malden, Massachusetts Herbal Medicines

Luigi Garibaldi, MD

Director, Pediatric Endocrinology, Saint Barnabas Medical Center, Livingston, New Jersey; Children's Hospital of New Jersey at Newark Beth Israel Medical Center, Newark, New Jersey

Physiology of Puberty; Disorders of Pubertal Development

Abraham Gedalia, MD

Professor and Head, Division of Pediatric Rheumatology, Department of Pediatrics, Louisiana State University Health Sciences Center; Head, Division of Pediatric Rheumatology, Children's Hospital, New Orleans, Louisiana BehÇet Disease; Sjögren Syndrome; Familial Mediterranean Fever; Amyloidosis

Michael A. Gerber, MD

Professor of Pediatrics, University of Cincinnati College of Medicine; Attending Physician, Division of Infectious Diseases, Cincinnati Children's Hospital Medical Center, Cincinnati, Ohio

Group A Streptococcus; Non-Group A or B Streptococci

Fayez K. Ghishan, MD

Professor of Clinical Pediatrics and Physiology, University of Arizona; Head, Department of Pediatrics, Director, Steele Memorial Children's Research Center, Tucson, Arizona Chronic Diarrhea

Gerald S. Gilchrist, MD

Helen C. Levitt Professor Emeritus, Mayo Foundation, Mayo Medical School; Formerly Chair, Department of Pediatric and Adolescent Medicine and Consultant in Pediatric Hematology/Oncology, Mayo Clinic, Rochester, Minnesota Lymphoma

Charles M. Ginsburg, MD

Marilyn R. Corrigan Distinguished Chair of Pediatric Research, Professor of Pediatrics, Associate Dean for Faculty Development, University of Texas Southwestern Medical Center, Dallas, Texas Animal and Human Bites

Bertil Glader, MD, PhD

Professor of Pediatrics, Stanford University School of Medicine; Attending Hematologist, Lucile Salter Packard Children's Hospital, Palo Alto, California The Anemias; Anemias of Inadequate Production

Donald A. Goldmann, MD

Professor of Pediatrics, Harvard Medical School; Epidemiologist, Children's Hospital Boston, Boston, Massachusetts

Diagnostic Microbiology

Denise Goodman, MD

Assistant Professor, Feinberg School of Medicine of Northwestern University; Attending Physician, Pediatric Intensive Care Unit, Children's Memorial Hospital, Chicago, Illinois

Inflammatory Disorders of the Small Airways

Collin S. Goto, MD

Assistant Clinical Professor of Pediatrics, University of California, San Diego; Attending Physician, Division of

Emergency Medicine and Toxicology, Children's Hospital and Health Center, The California Poison Control System, San Diego, California

Heavy Metal Intoxication

David Gozal, MD

Children's Foundation Chair for Pediatric Research, Professor of Pediatrics, Pharmacology, and Toxicology, University of Louisville; Director, Division of Sleep Medicine, Kosair Children's Hospital, Louisville, Kentucky
Neuromuscular Diseases with Pulmonary Consequences

Michael Green, MD, MPH

Professor of Pediatrics and Surgery, University of Pittsburgh School of Medicine; Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

Infections in Immunocompromised Persons

Thomas P. Green, MD

Chair, Department of Pediatrics, Women's Board Centennial Professor, Feinberg School of Medicine, Northwestern University; Physician-in-Chief, Children's Memorial Hospital, Chicago, Illinois

Disorders of the Lungs and Lower Airways; Congenital Disorders of the Lungs, Pulmonary Edema; Pulmonary Hemorrhage, Embolism, and Infection

Larry A. Greenbaum, MD, PhD

Associate Professor of Pediatrics, Medical College of Wisconsin; Attending Physician, Children's Hospital of Wisconsin, Milwaukee, Wisconsin Pathophysiology of Body Fluids and Fluid Therapy

David Grossman, MD, MPH

Professor of Pediatrics, University of Washington; Director, Harborview Injury Prevention and Research Center, Seattle, Washington
Injury Control

Linda Sayler Gudas, PhD

Assistant Clinical Professor, Harvard Medical School; Assistant in Psychiatry, Department of Psychology, Children's Hospital, Boston, Massachusetts Grief and Bereavement

James G. Gurney, PhD

Associate Professor of Pediatrics, Division of Epidemiology and Clinical Research, University of Minnesota, Minneapolis, Minnesota

Epidemiology of Childhood and Adolescent Cancer

Gabriel G. Haddad, MD

Professor of Pediatrics and Neuroscience, University Chair, Department of Pediatrics, Albert Einstein College of Medicine; Pediatrician-in-Chief, Children's Hospital at Montefiore, Bronx, New York

Development of the Respiratory System; Regulation of Respiration; Respiratory Pathophysiology; Defense Mechanisms and Metabolic Functions of the Lung; Diagnostic Approach to Respiratory Disease; Obstructive Sleep Apnea and Hypoventilation; Primary Ciliary Dyskinesia (Immotile Cilia Syndrome)

Joseph Haddad Jr., MD

Associate Professor and Vice Chair, Department of Otolaryngology/Head and Neck Surgery, Columbia University

College of Physicians and Surgeons; Lawrence Savetsky Chair and Director, Pediatric Otolaryngology, Children's Hospital of New York-Presbyterian, New York, New York Congenital Disorders of the Nose; Acquired Disorders of the Nose; Nasal Polyps; Clinical Manifestations; Hearing Loss; Congenital Malformations; Diseases of the External Ear; The Inner Ear and Diseases of the Bony Labyrinth; Traumatic Injuries of the Ear and Temporal Bone; Tumors of the Ear and Temporal Bone

Judith G. Hall, MD

Professor of Pediatrics and Medical Genetics, University of British Columbia; British Columbia's Children's Hospital, Vancouver, British Columbia, Canada Chromosomal Clinical Abnormalities; Genetic Counseling

Scott B. Halstead, MD

Adjunct Professor of Preventive Medicine and Biometrics, Uniformed Services University of the Health Sciences, Bethesda, Maryland

Arboviral Encephalitis in North America; Arboviral Encephalitis Outside North America; Dengue Fever and Dengue Hemorrhagic Fever; Yellow Fever; Other Viral Hemorrhagic Fevers; Hantaviruses

Margaret R. Hammerschlag, MD

Professor of Pediatrics and Medicine, Director, Division of Pediatric Infectious Diseases, SUNY Downstate Medical Center, Brooklyn, New York Chlamydial Infections

Aaron Hamvas, MD

Professor of Pediatrics, Washington University School of Medicine; Medical Director, Neonatal Intensive Care Unit, St. Louis Children's Hospital, St. Louis, Missouri Pulmonary Alveolar Proteinosis; Inherited Disorders of Surfactant Protein Metabolism

James C. Harris, MD

Professor of Psychiatry and Behavioral Sciences, Professor of Pediatrics, The Johns Hopkins University School of Medicine; Director, Developmental Neuro-Psychiatry, Johns Hopkins University Hospital, Baltimore, Maryland Disorders of Purine and Pyrimidine Metabolism

Gary E. Hartman, MD

Professor of Surgery and Pediatrics, George Washington University School of Medicine; Chief, Pediatric Surgery, Children's National Medical Center, Washington, DC Acute Appendicitis; Diaphragmatic Hernia; Epigastric Hernia

David B. Haslam, MD

Assistant Professor of Pediatrics and Molecular Microbiology, Washington University School of Medicine; St. Louis Children's Hospital, St. Louis, Missouri Enterococcus

Robert H. A. Haslam, MD

Emeritus Professor and Chair, Department of Pediatrics, Professor of Medicine (Neurology), University of Toronto; Emeritus Pediatrician-in-Chief and Staff Neurologist, Hospital for Sick Children, Toronto, Ontario, Canada Neurologic Evaluation; Headaches; Neurocutaneous Syndromes; Brain Abscess; Pseudotumor Cerebri; Spinal Cord Disorders

Fern R. Hauck, MD

Associate Professor and Director of Research, Department of

Family Medicine, University of Virginia Health System, Charlottesville, Virginia Sudden Infant Death Syndrome

Paul R. Haut, MD

Associate Professor of Pediatrics, Indiana University School of Medicine; Director of Pediatric Stem Cell Transplantation, James Whitcomb Riley Hospital for Children, Indianapolis, Indiana Pulmonary Tumors

Gregory F. Hayden, MD

Professor of Pediatrics, Director, Center for the Advancement of Generalist Medicine, University of Virginia School of Medicine, Charlottesville, Virginia The Common Cold; Acute Pharyngitis

Jacqueline T. Hecht, PhD

Professor of Pediatrics, Director, Genetic Counseling Program, University of Texas-Houston, Houston, Texas General Considerations; Disorders Involving Cartilage Matrix Proteins; Disorders Involving Transmembrane Receptors; Disorders Involving Ion Transporter; Disorders Involving Transcription Factors; Disorders Involving Defective Bone Resorption; Disorders for Which Defects Are Poorly Understood or Unknown

William C. Heird, MD

Professor of Pediatrics, Baylor College of Medicine; Children's Nutrition Research Center, Houston, Texas Nutritional Requirements; The Feeding of Infants and Children; Food Insecurity, Hunger, and Undernutrition; Vitamin Deficiencies and Excesses

J. Owen Hendley, MD

Professor of Pediatrics, University of Virginia School of Medicine, Charlottesville, Virginia Sinusitis; Retropharyngeal Abscess, Lateral Pharyngeal (Parapharyngeal) Abscess, and Peritonsillar Cellulitis/Abscess

Fred M. Henretig, MD

Professor of Pediatrics and Emergency Medicine, University of Pennsylvania School of Medicine; Director, Section of Clinical Toxicology, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Biologic and Chemical Terrorism

Gloria P. Heresi, MD

Associate Professor of Pediatric Infectious Diseases, University of Texas-Houston Health Science Center; Memorial Hermann Children's Hospital, Houston, Texas

Cholega (Vibrio cholegae): Comprehensite: Versing: Aeromous and

Cholera (Vibrio cholerae); Campylobacter; Yersinia; Aeromonas and Plesiomonas

Albert C. Hergenroeder, MD

Professor of Pediatrics, Baylor College of Medicine; Chief, Adolescent Medicine Service and Sports Medicine Clinic, Texas Children's Hospital, Houston, Texas Sports Medicine

Cynthia E. Herzog, MD

Associate Professor, University of Texas M. D. Anderson Cancer Center, Houston, Texas Retinoblastoma; Gonadal and Germ Cell Neoplasms; Neoplasms of the Liver; Benign Vascular Tumors; Rare Tumors

Lauren D. Holinger, MD

Professor of Otolaryngology/Head and Neck Surgery, Northwestern University; Paul H. Holinger, MD, Professor, Head, Division of Pediatric Otolaryngology and Department of Communicative Disorders, Children's Memorial Hospital, Chicago, Illinois

Congenital Anomalies of the Larynx; Foreign Bodies of the Airway; Laryngotracheal Stenosis, Subglottic Stenosis; Congenital Anomalies of the Trachea and Bronchi; Neoplasms of the Larynx, Trachea, and Bronchi

Steve Holve, MD

Clinical Professor of Pediatrics, The Johns Hopkins University School of Medicine, Baltimore, Maryland; Chief, Department of Pediatrics, Tuba City Indian Medical Center, Tuba City, Arizona

Envenomations

Jeffrey D. Hord, MD

Associate Professor of Pediatrics, Northwestern Ohio Universities College of Medicine; Director, Pediatric Hematology/Oncology, Children's Hospital Medical Center, Akron, Ohio

The Acquired Pancytopenias

William A. Horton, MD

Professor of Molecular and Medical Genetics, Oregon Health Sciences University; Director of Research, Shriners Hospital for Children, Portland, Oregon

General Considerations; Disorders Involving Cartilage Matrix Proteins; Disorders Involving Transmembrane Receptors; Disorders Involving Ion Transporter; Disorders Involving Transcription Factors; Disorders Involving Defective Bone Resorption; Disorders for Which Defects Are Poorly Understood or Unknown

Peter Hotez, MD, PhD

Professor and Chair, Department of Microbiology and Tropical Medicine, The George Washington University Medical Center, Washington, DC

Hookworms (Ancylostoma and Necator americanus)

Michelle S. Howenstine, MD

Associate Professor of Clinical Pediatrics, Indiana University School of Medicine; James Whitcomb Riley Hospital for Children, Indianapolis, Indiana Interstitial Lung Diseases

E. Eugene Hoyme, MD

Professor and Chief, Division of Medical Genetics, Department of Pediatrics, Stanford University School of Medicine; Chief, Genetics Service, Lucile Salter Packard Children's Hospital, Stanford, California

The Molecular Basis of Genetic Disorders; Molecular Diagnosis of Genetic Diseases; Patterns of Inheritance

Vicki Huff, PhD

Associate Professor of Molecular Genetics, Cancer Genetics, University of Texas M. D. Anderson Cancer Center, Houston, Texas

Neoplasms of the Kidney

Walter T. Hughes, MD

Professor of Pediatrics, University of Tennessee College of Medicine; Emeritus Member, Department of Infectious Diseases, St. Jude Children's Research Hospital, Memphis, Tennessee

Pneumocystis carinii

Carl E. Hunt, MD

Adjunct Professor of Pediatrics, Uniformed Services University of the Health Sciences; Director, National Center on Sleep Disorders Research, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, Maryland

Sudden Infant Death Syndrome

Sunny Zaheed Hussain, MD

Fellow in Pediatric Gastroenterology, University of Pittsburgh School of Medicine; Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania
The Esophagus

Jeffrey Hyams, MD

Professor of Pediatrics, University of Connecticut School of Medicine; Head, Division of Digestive Diseases and Nutrition, Connecticut Children's Medical Center, Hartford, Connecticut Inflammatory Bowel Disease; Food Allergy (Food Hypersensitivity); Eosinophilic Gastroenteritis; Malformations; Ascites; Peritonitis

Richard F. Jacobs, MD

Horace C. Cabe Professor of Pediatrics, University of Arkansas for Medical Sciences; Chief, Pediatric Infectious Diseases, Arkansas Children's Hospital, Little Rock, Arkansas

Actinomyces; Nocardia; Tularemia (Francisella tularensis); Brucella

Norman Jaffe, MD

Professor of Pediatrics, University of Texas M. D. Anderson Cancer Center, Houston, Texas Neoplasms of the Kidney

Renée R. Jenkins, MD

Professor and Chair of Pediatrics, Howard University College of Medicine; Chair, Department of Pediatrics and Child Health, Howard University Hospital, Washington, DC The Epidemiology of Adolescent Health Problems; Delivery of Health Care to Adolescents; Depression; Suicide; Violent Behavior; Substance Abuse; The Breast; Menstrual Problems; Contraception; Pregnancy; Sexually Transmitted Diseases

Hal B. Jenson, MD

Professor and Chair, Department of Pediatrics, Director, Center for Pediatric Research, Eastern Virginia Medical School and Children's Hospital of The King's Daughters; Senior Vice President for Academic Affairs, Children's Hospital of The King's Daughters, Norfolk, Virginia

Chronic Fatigue Syndrome; Epstein-Barr Virus; Lymphocytic Choriomeningitis Virus; Polyomaviruses; Human T-Cell Lymphotropic Viruses Types I and II

Chandy C. John, MD

Assistant Professor of Pediatrics, Case Western Reserve University School of Medicine; Division of Pediatric Infectious Diseases, Co-Director, Rainbow Center for International Child Health, Rainbow Babies and Children's Hospital, Cleveland, Ohio

Amebiasis; Trichomoniasis (*Trichomonas vaginalis*); Health Advice for Children Traveling Internationally

Charles F. Johnson, MD

Professor of Pediatrics, The Ohio State University; Children's

Hospital, Columbus, Ohio Abuse and Neglect of Children

Michael V. Johnston, MD

Professor of Neurology and Pediatrics, Kennedy Krieger Institute and The Johns Hopkins University School of Medicine, Baltimore, Maryland

Congenital Anomalies of the Central Nervous System; Seizures in Childhood; Conditions that Mimic Seizures; Movement Disorders; Encephalopathies; Neurodegenerative Disorders of Childhood; Acute Stroke Syndromes

Richard B. Johnston, Jr., MD

Professor of Pediatrics, University of Colorado School of Medicine; National Jewish Medical and Research Center, Denver, Colorado

Monocytes and Macrophages; The Complement System

Kenneth Lyons Jones, MD

Professor of Pediatrics, University of California, San Diego, School of Medicine; UCSD Medical Center, San Diego, California

Dysmorphology

Harry J. Kallas, MD

Associate Professor of Pediatric Critical Care Medicine, Pediatric Medical Director, Life Flight, University of California, Davis, School of Medicine; UC Davis Children's Hospital, Sacramento, California Drowning and Near-Drowning

Lewis J. Kass, MD

Assistant Professor of Pediatrics, Albert Einstein College of Medicine; Children's Hospital at Montefiore, Bronx, New York

Obstructive Sleep Apnea and Hypoventilation

Mark A. Kay, MD, PhD

Departments of Pediatrics and Genetics, Stanford University, Stanford, California Gene Therapy

Allesandra N. Kazura, MD

Assistant Professor of Psychiatry and Human Behavior, Brown University School of Medicine; Brown University Centers for Behavioral and Preventive Medicine, Providence, Rhode Island Psychosomatic Illness

James W. Kazura, MD

Professor of Medicine, International Health, and Pathology, Case Western Reserve University School of Medicine; Attending Physician, University Hospitals of Cleveland, Cleveland, Ohio

Ascariasis (Ascaris lumbricoides); Trichuriasis (Trichuris trichiura); Enterobiasis (Enterobius vermicularis); Strongyloidiasis (Strongyloides stercoralis); Lymphatic Filariasis (Brugia malayi, Brugia timori, and Wuchereria bancrotti); Other Tissue Nematodes; Toxocariasis (Visceral and Ocular Larva Migrans); Trichinosis (Trichinella spiralis)

Desmond P. Kelly, MD

Clinical Associate Professor of Pediatrics, University of North Carolina School of Medicine; Director, Clinical Programs, All Kinds of Minds, Chapel Hill, North Carolina Patterns of Development and Function

Kathi J. Kemper, MD, MPH

Professor of Pediatrics, Wake Forest University School of Medicine; Brenner Children's Hospital Herbal Medicines

John A. Kerner, MD

Professor of Pediatrics, Director of Nutrition, Director of Pediatric Gastroenterology and Nutrition Fellowship, Stanford University School of Medicine; Director, Nutrition Support Team, Medical Director, Children's Home Pharmacy, Lucile Salter Packard Children's Hospital, Palo Alto, California Malabsorptive Disorders

Seema Khan, MD

Assistant Professor of Pediatric Gastroenterology, University of Pittsburgh School of Medicine; Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania

The Esophagus

Charles H. King, MD

Associate Professor of Medicine and International Health, Case Western Reserve School of Medicine; Attending Physician, University Hospitals of Cleveland, Cleveland, Ohio Schistosomiasis (Schistosoma); Flukes (Liver, Lung, and Intestinal)

Stephen Kinsman , MD

Assistant Professor of Pediatrics and Neurology, Director of Pediatric Neurology, University of Maryland School of Medicine, Baltimore, Maryland Congenital Anomalies of the Central Nervous System

Bruce L. Klein, MD

Associate Professor of Pediatrics and Emergency Medicine, The George Washington University School of Medicine and Health Sciences; Medical Director, Pediatric Transport Service, Children's National Medical Center, Washington, DC Acute Care of the Multiple Trauma Victim

Marisa S. Klein-Gitelman, MD, MPH

Assistant Professor of Pediatrics, Feinberg School of Medicine, Northwestern University; Interim Head, Division of Immunology/Rheumatology, Children's Memorial Hospital, Chicago, Illinois

Systemic Lupus Erythematosus

Robert M. Kliegman, MD

Professor and Chair, Department of Pediatrics, Medical College of Wisconsin; Pediatrician in Chief, Pam and Les Muma Chair in Pediatrics, Children's Hospital of Wisconsin, Milwaukee, Wisconsin

Mucopolysaccharidoses; Overview of Mortality and Morbidity; The Newborn Infant; High-Risk Pregnancies; The Fetus; The High-Risk Infant; Clinical Manifestations of Diseases in the Newborn Period; Nervous System Disorders; Delivery Room Emergencies; Respiratory Tract Disorders; Digestive System Disorders; Blood Disorders; Genitourinary System; The Umbilicus; Metabolic Disturbances; The Endocrine System

William C. Koch, MD

Associate Professor of Pediatrics, Virginia Commonwealth University; Division of Infectious Diseases, Medical College of Virginia, Richmond, Virginia Parvovirus B19

Steve Kohl, MD

Clinical Professor of Pediatrics, Oregon Health and Sciences University, Portland, Oregon Herpes Simplex Virus

Gerald P. Koocher, PhD

Dean, Graduate School for Health Studies, Simmons College, Boston, Massachusetts Grief and Bereavement

Jill E. Korbin, PhD (Anthropology)

Professor of Anthropology, Associate Dean, College of Arts and Sciences, Case Western Reserve University; Co-Director, Schubert Center for Child Development, Cleveland, Ohio Cultural Issues in Pediatric Care

Peter J. Krause, MD

Professor of Pediatrics, University of Connecticut School of Medicine; Director, Infectious Diseases, Connecticut Children's Medical Center, Hartford, Connecticut Malaria (*Plasmodium*); Babesiosis (*Babesia*)

Marzena Krawiec, MD

Assistant Professor of Pediatrics, University of Wisconsin Medical School, Madison, Wisconsin Wheezing in Infants

John F. Kuttesch, Jr., MD, PhD

Associate Professor of Pediatric Hematology/Oncology, Vanderbilt University Medical Center, Nashville, Tennessee Brain Tumors in Childhood

Catherine S. Lachenauer, MD

Assistant Professor of Pediatrics, Harvard Medical School; Assistant in Medicine, Children's Hospital, Boston, Massachusetts

Group B Streptococcus

Stephan Ladisch, MD

Professor of Pediatrics and Biochemistry/Molecular Biology, The George Washington University School of Medicine; Scientific Director, Children's Research Institute, Children's National Medical Center, Washington, DC Histiocytosis Syndromes of Childhood

Stephen LaFranchi, MD

Professor of Pediatrics, Oregon Health and Sciences University; Staff Physician, Doernbecher Children's Hospital, Portland, Oregon Disorders of the Thyroid Gland

Oren Lakser, MD

Assistant Professor of Pediatrics, Northwestern University; Attending Physician, Division of Pulmonary Medicine, Children's Memorial Hospital, Chicago, Illinois Parenchymal Disease with Prominent Hypersensitivity, Eosinophilic Infiltration, or Toxin-Mediated Injury; Slowly Resolving Pneumonia; Bronchiectasis; Pulmonary Abscess

Richard M. Lampe, MD

Professor and Chair, Department of Pediatrics, Texas Tech University School of Medicine, Lubbock, Texas Osteomyelitis and Suppurative Arthritis

Philip J. Landrigan, MD

Ethel H. Wise Professor and Chair, Department of

Community and Preventive Medicine, Mount Sinai School of Medicine, New York, New York
Chemical Pollutants

Charles T. Leach, MD

Professor of Pediatrics, Chief, Division of Infectious Diseases, University of Texas Health Science Center at San Antonio; Attending Physician, Christus Santa Rosa Children's Hospital and University Hospital, San Antonio, Texas Roseola (Human Herpesviruses 6 and 7); Human Herpesvirus 8

Margaret W. Leigh, MD

Professor of Pediatrics, University of North Carolina; Attending Physician, University of North Carolina Hospitals, Chapel Hill, North Carolina Sarcoidosis

Robert F. Lemanske, Jr., MD

Professor of Pediatrics and Medicine, University of Wisconsin School of Medicine, Madison, Wisconsin Wheezing in Infants

Steven Lestrud, MD

Professor of Pediatrics, Feinberg School of Medicine, Northwestern University; Attending Physician, Pediatric Pulmonary and Critical Care, Chicago, Illinois Bronchopulmonary Dysplasia

Donald Y. M. Leung, MD, PhD

Professor of Pediatrics, University of Colorado Health Sciences Center; Head, Division of Pediatric Allergy-Immunology, National Jewish Medical and Research Center, Denver, Colorado

4Allergy and the Immunologic Basis of Atopic Disease; Diagnosis of Allergic Disease; Principles of Treatment of Allergic Disease; Allergic Rhinitis; Childhood Asthma; Atopic Dermatitis (Atopic Eczema); Urticaria and Angioedema (Hives); Anaphylaxis; Serum Sickness; Insect Allergy; Adverse Reactions to Foods

Lenore S. Levine, MD

Professor of Pediatrics, College of Physicians and Surgeons, Columbia University; Attending Pediatrician, New York Presbyterian Hospital, New York, New York Disorders of the Adrenal Glands

Stephen Liben, MD

Associate Professor of Pediatrics, McGill University; Director, Palliative Care Program, The Montreal Children's Hospital of the McGill University Health Center, Montreal, Quebec, Canada

Pediatric Palliative Care: The Care of Children with Life-Limiting Illness

Iris F. Litt, MD

Marron and Mary Elisabeth Kendrick Professor of Pediatrics, Stanford University School of Medicine; Director, Division of Adolescent Medicine, Lucile Salter Packard Children's Hospital, Palo Alto, California Anorexia Nervosa and Bulimia

Andrew H. Liu, MD

Associate Professor of Pediatric Allergy and Immunology, Training Program Director, National Jewish Medical and Research Center, University of Colorado Health Sciences Center, Denver, Colorado Childhood Asthma

Sarah S. Long, MD

Professor of Pediatrics, Drexel University College of Medicine; Chief, Section of Infectious Diseases, St. Christopher's Hospital for Children, Philadelphia, Pennsylvania

Diphtheria (Corynebacterium diphtheriae); Pertussis (Bordetella pertussis and B. parapertussis)

Daniel J. Lovell, MD, MPH

Professor of Pediatrics, University of Cincinnati Medical Center; Associate Director, Division of Pediatric Rheumatology, Cincinnati Children's Hospital, Cincinnati, Ohio

Treatment of Rheumatic Diseases

G. Reid Lyon, PhD

Branch Chief, Child Development and Behavior, National Institute of Child Health and Human Development, National Institutes of Health, Rockville, Maryland Specific Reading Disability (Dyslexia)

Joseph A. Majzoub, MD

Professor of Pediatrics, Harvard Medical School; Chief, Division of Endocrinology, Children's Hospital Boston, Boston, Massachusetts

Diabetes Insipidus; Other Abnormalities of Arginine Vasopressin Metabolism and Action

Yvonne Maldonado, MD

Associate Professor of Pediatrics, Stanford University School of Medicine; Attending Physician, Lucile Salter Packard Children's Hospital, Stanford, California Measles; Rubella; Mumps

John C. Marini, MD, PhD

Chief, Heritable Disorders Branch, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Maryland Osteogenesis Imperfecta

Morri Markowitz, MD

Professor of Pediatrics, Albert Einstein College of Medicine; Attending Physician, Pediatrics, Division of Environmental Sciences, Children's Hospital at Montefiore, Montefiore Medical Center, Bronx, New York Lead Poisoning

Reuben K. Matalon, MD

Professor of Pediatrics and Genetics, University of Texas Medical Branch, Galveston, Texas Aspartic Acid (Canavan Disease)

Lawrence H. Mathers, MD, PhD

Assistant Professor of Pediatrics and Anatomy, Stanford University School of Medicine; Attending Physician, Lucile Salter Packard Children's Hospital, Stanford, California Effective Communication with Families in the PICU; Pediatric Emergencies and Resuscitation; Shock; Transplantation Issues in the PICU; Withdrawal or Withholding of Life Support, Brain Death, and Organ Procurement

Nancy J. Matyunas, PharmD

Assistant Clinical Professor of Pediatrics, Adjunct Instructor in Pharmacology and Toxicology, University of Louisville,

Louisville, Kentucky Poisonings: Drugs, Chemicals, and Plants

Robert Mazor, MD

Fellow, Department of Pediatrics, Division of Cardiology, Feinberg School of Medicine, Northwestern University; Children's Memorial Hospital, Chicago, Illinois Pulmonary Edema

Paul L. McCarthy, MD

Professor of Pediatrics, Yale University School of Medicine; Director, Division of General Pediatrics, Children's Hospital at Yale-New Haven, New Haven, Connecticut The Well Child; Evaluation of the Sick Child in the Office and Clinic

Susanna A. McColley, MD

Associate Professor of Pediatrics, Feinberg School of Medicine, Northwestern University; Director, Cystic Fibrosis Center, Children's Memorial Hospital, Chicago, Illinois Disorders of the Lungs and Lower Airways; Pulmonary Tumors; Extrapulmonary Diseases with Pulmonary Manifestations

Margaret M. McGovern, MD, PhD

Associate Professor of Human Genetics and Pediatrics, Mount Sinai School of Medicine; Attending Physician, Pediatrics, Mount Sinai Hospital, New York, New York Lipidoses; Mucolipidoses; Disorders of Glycoprotein Degradation and Structure

Kenneth McIntosh, MD

Professor of Pediatrics, Harvard Medical School; Senior Associate in Medicine, Children's Hospital Boston, Boston, Massachusetts

Respiratory Syncytial Virus; Adenoviruses; Rhinoviruses

Rima McLeod, MD

Jules and Doris Stein Research to Prevent Blindness Professor, University of Chicago, Visual Sciences and Ophthalmology Department, Chicago, Illinois Toxoplasmosis (*Toxoplasma gondii*)

Peter C. Melby, MD

Associate Professor of Medicine, Division of Infectious Diseases, The University of Texas Health Science Center; Staff Physician, Department of Veterans Affairs Medical Center, South Texas Veterans Health Care System, San Antonio, Texas
Leishmaniasis (Leishmania)

Fred A. Mettler, Jr., MD, MPH

Professor and Chair, Department of Radiology, University of New Mexico, Albuquerque, New Mexico Pediatric Radiation Injuries

Marian G. Michaels, MD, MPH

Associate Professor of Pediatrics and Surgery, University of Pittsburgh School of Medicine; Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania Infections in Immunocompromised Persons

Henry Milgrom, MD

Professor of Pediatrics, University of Colorado Health Sciences Center; Senior Faculty Member, National Jewish Medical and Research Center, Denver, Colorado Allergic Rhinitis

Michael L. Miller, MD

Associate Professor of Pediatrics, Northwestern University Medical School; Children's Memorial Medical Center, Chicago, Illinois

Evaluation of Suspected Rheumatic Disease; Treatment of Rheumatic Diseases; Juvenile Rheumatoid Arthritis; Ankylosing Spondylitis and Other Spondyloarthropathies; Postinfectious Arthritis and Related Conditions; Systemic Lupus Erythematosus; Scleroderma; Vasculitis Syndromes; Musculoskeletal Pain Syndromes; Miscellaneous Conditions Associated with Arthritis

Robert R. Montgomery, MD

Professor of Pediatrics and Vice Chair of Research, Medical College of Wisconsin; Senior Investigator, Blood Center of Southeastern Wisconsin, Milwaukee, Wisconsin Hemorrhagic and Thrombotic Diseases

Anna-Barbara Moscicki, MD

Professor of Pediatrics, University of California, San Francisco, School of Medicine, San Francisco, California Human Papillomaviruses

Hugo W. Moser, MD

Professor of Neurology and Pediatrics, Kennedy Krieger Institute, The Johns Hopkins University School of Medicine, Baltimore, Maryland Disorders of Very Long Chain Fatty Acids

Joseph L. Muenzer, MD

Associate Professor of Pediatrics, University of North Carolina School of Medicine, Chapel Hill, North Carolina Mucopolysaccharidoses

Flor M. Munoz, MD

Assistant Professor of Pediatrics, Baylor College of Medicine; Texas Children's Hospital, Houston, Texas Tuberculosis (*Mycobacterium tuberculosis*)

James R. Murphy, PhD

Pediatric Infectious Diseases, University of Texas Health Science Center, Houston, Texas Cholera (Vibrio cholerae); Campylobacter; Yersinia; Aeromonas and Plesiomonas

Martin G. Myers, MD

Professor of Pediatrics, University of Texas Medical Branch; Children's Hospital, Galveston, Texas Varicella-Zoster Virus

Robert D. Needlman, MD

Adjunct Associate Professor of Pediatrics, Case Western Reserve University School of Medicine; Attending Physician, MetroHealth Medical Center, Cleveland, Ohio Growth and Development

Leonard B. Nelson, MD

Associate Professor of Ophthalmology and Pediatrics, Jefferson Medical College; Co-Director, Department of Pediatric Ophthalmology, Wills Eye Hospital, Philadelphia, Pennsylvania Disorders of the Eye

Robert M. Nelson, MD, PhD

Associate Professor of Anesthesia and Pediatrics, University

of Pennsylvania School of Medicine; Chair, Committees for the Protection of Human Subjects, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania Ethics in Pediatric Care

Vicky Lee Ng, MD

Assistant Professor of Pediatrics, University of Toronto; Staff Physician, Division of Gastroenterology and Nutrition, Pediatric Academic Multi-Organ Transplant (PAMOT) Program, Hospital for Sick Children, Toronto, Ontario, Canada

Manifestations of Liver Disease

John F. Nicholson, MD

Associate Professor of Pediatrics and Pathology, Columbia University; Associate Attending Pediatrician, Children's Hospital of New York-Presbyterian Hospital, New York, New York

Laboratory Testing in Infants and Children; Reference Ranges for Laboratory Tests and Procedures

Zehava Noah, MD

Associate Professor in Pediatrics, Feinberg School of Medicine, Northwestern University; Attending Physician, Children's Memorial Hospital, Chicago, Illinois Chronic Severe Respiratory Insufficiency

Lawrence M. Nogee, MD

Associate Professor of Pediatrics, The Johns Hopkins University School of Medicine; Attending Neonatologist, Johns Hopkins Children's Center, Baltimore, Maryland Pulmonary Alveolar Proteinosis; Inherited Disorders of Surfactant Protein Metabolism

Theresa J. Ochoa, MD

University of Texas-Houston Health Science Center; Pediatric Disease Fellow, Memorial Hermann Children's Hospital, Houston, Texas Escherichia coli

Robin K. Ohls, MD

Associate Professor of Pediatrics, Division of Neonatology, University of New Mexico School of Medicine; Department of Pediatrics/Neonatology, Children's Hospital of New Mexico, Albuquerque, New Mexico
Development of the Hematopoietic System

Scott E. Olitsky, MD

Associate Professor of Ophthalmology, University of Missouri at Kansas City; Chief of Ophthalmology, The Children's Mercy Hospital, Kansas City, Missouri Disorders of the Eye

Karen Olness, MD

Professor of Pediatrics, Family Medicine, and International Health, Case Western Reserve University School of Medicine; Director, Rainbow Center for International Child Health, Rainbow Babies and Children's Hospital, Cleveland, Ohio Child Health in the Developing World

Susan Orenstein, MD

Professor and Chief, Pediatric Gastroenterology, University of Pittsburgh School of Medicine; Children's Hospital of Pittsburgh, Pittsburgh, Pennsylvania The Esophagus