

CURRENT THERAPY OF ALLERGY

**A COMPENDIUM OF
CURRENT CONCEPTS
RELATED TO ALLERGY**

Edited by

CLAUDE ALBEE FRAZIER, M.D.



CURRENT THERAPY OF ALLERGY

**A COMPENDIUM OF
CURRENT CONCEPTS
RELATED TO ALLERGY**

Edited by

CLAUDE ALBEE FRAZIER, M.D.

Chief-of-Allergy

Memorial Mission Hospital

Staff Member

St. Joseph's Hospital

Asheville, North Carolina



HANS HUBER PUBLISHERS BERN STUTTGART VIENNA

1975

Copyright © 1975 by Medical Examination Publishing Co., Inc.

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronic or mechanical, including photocopy, without permission in writing from the publisher.

Library of Congress
Catalog Card Number
74-83689

ISBN 0-87488-745-3

January, 1975

PRINTED IN THE UNITED STATES OF AMERICA

ACKNOWLEDGMENT

I wish to thank all of the contributors to this book for their contributions, and for their patience and cooperation in the editorial changes.

PREFACE

"What do I do now?" This is the question that often crosses the mind of the practicing physician when confronted with a patient, in the office or hospital, who has a difficult allergic problem.

Current Therapy of Allergy answers the question of what to do now to relieve the patient of his allergic symptoms. It offers approaches to the immediate symptomatic management of allergic problems, from the viewpoints of many specialists who are extremely knowledgeable in their particular areas. While brief discussions of definition, etiology, epidemiology, pathogenesis, incidence, prevalence, and prognosis are included, the major emphasis is placed upon practical solutions to allergic symptoms commonly encountered in everyday medical practice. This volume presents a full exposition of every aspect of allergy and related disorders, and the various implications for today's treatment modalities.

Since twenty percent of the population is allergic, this book has been written for all practitioners of medicine who will very often be called upon to treat these patients.

CONTRIBUTORS

T.E. Aaron, M.D., *Assistant Clinical Professor of Medicine*, University of Alberta School of Medicine

John Adriani, M.D., *Director*, Department of Anesthesiology, Charity Hospital of Louisiana

Murray M. Albert, M.D., Brooklyn, New York

J. Antonio Aldrete, M.D., *Professor and Chairman*, Department of Anesthesiology, University of Louisville School of Medicine, Louisville, Kentucky

Charles H. Banov, M.D., F.A.C.P., *Assistant Professor of Medicine*, Medical University of South Carolina, Charleston

Solomon E. Barr, M.D., *Assistant Clinical Professor of Medicine*, The George Washington University School of Medicine, Washington, D.C.

Johnny A. Blue, M.D., *Associate Clinical Professor of Medicine*, *Head of Outpatient Allergy Clinic*, *Lecturer and Consultant in Allergy - Emeritus*, University of Oklahoma Health Sciences Center

Charles G. Blumstein, M.D., *Clinical Instructor in Medicine*, Temple University School of Medicine, Philadelphia, Pa.

George I. Blumstein, M.D., *Clinical Professor of Medicine*, *Head of Allergy Unit*, Temple University School of Medicine, Philadelphia, Pennsylvania

Earl B. Brown, M.D., *Attending in Medicine*, *Chief of Allergy*, Lenox Hill Hospital, New York

Halia Brown, M.D., *Professor of Medicine*, *Director*, Division of Allergy, George Washington University Medical Center, Washington, D.C.

Alan G. Cazort, M.D., *Clinical Professor of Internal Medicine*, University of Arkansas Medical Center

Cecil Collins-Williams, M.D., *Director*, Allergy Division, The Hospital for Sick Children, *Professor of Paediatrics*, University of Toronto Faculty of Medicine, Toronto, Canada

James H. Cook, M.D., Practicing Dermatologist, Asheville, North Carolina

Lloyd V. Crawford, M.D., Associate Professor of Pediatrics, Chief of the Allergy Section, Department of Pediatrics, University of Tennessee College of Medicine

Leo H. Criepp, M.D., Associate Professor of Medicine – Emeritus, University of Pittsburgh, School of Medicine

Richard T. Cushing, M.D., Pediatric Allergist, St. Louis Hospital Park Medical Center, Consulting Allergist, Hennepin County General Hospital

Paul F. deGara, M.D., Clinical Professor Emeritus and Consultant, New York Hospital–Cornell University Medical Center, New York

Robert J. Dockhorn, M.D., Assistant Clinical Professor of Pediatrics, University of Kansas School of Medicine

James G. Easton, M.D., Clinical Associate Professor of Pediatrics, Los Angeles County Harbor General Hospital and UCLA School of Medicine

Melvin L. Elson, M.D., Duke University School of Medicine, Durham, North Carolina

Norman N. Epstein, M.D., Clinical Professor Emeritus, Department of Dermatology, University of California Medical School at San Francisco

S.W. Epstein, M.D., Assistant Professor, Department of Medicine, University of Toronto, Active Attending Staff, Toronto Western Hospital

Nancy B. Esterly, M.D., Associate Professor of Dermatology and Pediatrics, Abraham Lincoln School of Medicine, University of Illinois, Chicago

Donald T. Faulkner, M.D., Active Medical Staff, Norfolk General Hospital, Norfolk, Virginia

Eleasar Feuerman, M.D., Professor of Dermatology, Head and Chairman, Department of Dermatology, Beilinson Medical Center, Tel Aviv University Medical School

Alexander A. Fisher, M.D., *Clinical Professor*, Department of Dermatology, New York University Post-Graduate Medical School, *Associate Attending in Dermatology*, New York University Medical Center, New York

Jonathan Forman, B.A., M.D., F.A.C.A., Columbus, Ohio

John W. Gerrard, D.M., F.R.C.P., *Professor of Pediatrics*, University of Saskatchewan, Canada

Thomas M. Golbert, M.D., *Assistant Clinical Professor of Medicine*, University of Colorado School of Medicine, *Chief, Section of Allergy*, Denver General Hospital

Arthur A. Goldfarb, M.D., F.A.A.A., F.A.C.A., *Diplomate Pediatric Allergy*, *Chief of Allergy*, Holy Name and Englewood Hospitals, New Jersey, *Former Assistant Clinical Professor of Pediatric Allergy*, Albert Einstein College of Medicine, Bronx, New York

Max Grolnick, M.D., *Consultant to the Division of Allergy*, *Formerly Director*, Division of Allergy, Jewish Hospital and Medical Center, Brooklyn, New York

Zack H. Haddad, M.D., *Associate Professor of Pediatrics*, USC School of Medicine, *Director of Pediatric Allergy and Immunology*, Los Angeles County-University of Southern California Medical Center

Ralph Hale, M.D., Wichita, Kansas

Gerald Halprin, M.D., *Assistant Professor*, Vanderbilt University, Nashville, Tennessee

F.E. Hargreave, M.D., *Assistant Professor of Medicine*, McMaster University Faculty of Medicine, Hamilton, Ontario

Douglas C. Heiner, M.D., *Professor of Pediatrics*, *Chief*, Division of Immunology and Allergy, Department of Pediatrics, Los Angeles County Harbor General Hospital and UCLA School of Medicine

Lowell L. Henderson, M.D., *Consultant*, Department of Internal Medicine, Mayo Clinic, *Professor of Clinical Internal Medicine*, Mayo Graduate School of Medicine, University of Minnesota, Rochester

- Bettina C. Hilman, M.D.**, *Associate Professor of Pediatrics, Immunology and Microbiology, Louisiana State University Medical Center, School of Medicine in Shreveport*
- Glenn E. Horton, M.D.**, *Clinical Assistant Professor of Medicine, Department of Internal Medicine and Section of Immunology and Allergy, University of Tennessee College of Medicine, Memphis, Tennessee*
- John S. Hyde, M.D.**, *Professor of Pediatrics, Presbyterian-St. Luke's Hospital, Chicago, Illinois*
- Irving H. Itkin, M.D.**, *Professor of Medicine, Director, Division of Clinical Immunology, The Hahnemann Medical College and Hospital, Philadelphia, Pennsylvania*
- Peter Kamin, M.D.**, *Clinical Professor of Pediatrics, University of Texas Medical School, San Antonio*
- Roger M. Katz, M.D.**, *Assistant Clinical Professor of Pediatrics, UCLA School of Medicine, Los Angeles, California*
- Maurice Kaufmann, M.D.**, *Clinical Professor of Pediatrics, University of Kentucky Medical School, Lexington*
- Aman U. Khan, M.D.**, *Assistant Professor of Pediatrics and Psychiatry, Northwestern Medical School, Children's Memorial Hospital, Chicago, Illinois*
- Solomon D. Klotz, M.D.**, *Consultant in Allergy, Orange Memorial Hospital, Orlando, Florida*
- Louis F. Kuehn, M.D.**, *Fellow, Division of Immunology and Allergy, Department of Pediatrics, Los Angeles County Harbor General Hospital and UCLA School of Medicine*
- Gilbert Lanoff, M.D.**, *Chief of Allergy, Children's Memorial Hospital, Associate Professor, Northwestern University, Chicago, Illinois*
- Harry Lazar, M.D.**, *Department of Medicine, Wesley Medical Center, Wichita, Kansas*
- Macy I. Levine, M.D.**, *Clinical Associate Professor of Medicine, University of Pittsburgh School of Medicine*
- Peter S. Liebert, M.D.**, *Pediatric Surgeon, Clinical Assistant Professor of Surgery and Assistant Professor of Pediatrics, Thomas Jefferson University, Philadelphia, Pennsylvania*

- W.E. Lineweaver, Jr., M.D.**, Riverside, California
- Walter R. MacLaren, M.D.**, *Associate Clinical Professor of Medicine and Allergy*, USC School of Medicine, Los Angeles
- Joseph B. Miller, M.D.**, Mobile, Alabama
- Milton Millman, M.D.**, San Diego, California
- E.E. Moore, M.D.**, *Practicing Ophthalmologist*, Asheville, N.C.
- Andrew B. Murray, M.B.**, *Clinical Assistant Professor of Pediatrics*, University of British Columbia
- Joseph W. Noah, M.D.** (Deceased)
- Richard E. Passenger, M.D.**, Newburgh, New York
- Herman H. Pelz, M.D.**, *Chief*, Allergy Division, Department of Medicine, Wyckoff Heights Hospital, Brooklyn, New York
- Henry H. Perlman, M.D., Pharm.D.**, *Clinical Professor of Dermatology*, Jefferson Medical College of Thomas Jefferson University, Philadelphia, Pennsylvania; *Diplomate in Dermatology, Licentiate in Pediatrics*
- H.E. Poonawala, M.D.**, *Clinical Director*, Children's Program, Western Missouri Mental Health Center and Greater Kansas City Mental Health Foundation, Child Guidance Clinic, *Instructor in Medicine*, University of Missouri School of Medicine
- Marvin Portner, M.D.**, *Clinical Instructor in Internal Medicine*, UCLA Medical Center, Los Angeles, California
- James H. Putman, M.D.**, Miami, Florida
- Carol Raddatz, R.N.**, Methodist Hospital, St. Louis Park, Minnesota
- Garry H. Rupp, M.D.**, *Fellow*, Division of Immunology and Allergy, Department of Pediatrics, Los Angeles County Harbor General Hospital and UCLA School of Medicine
- P.A. Ryan, M.D.**, Toronto, Canada
- Elaine P. Schoelzel, M.D.**, *Clinical Assistant Professor of Pediatrics*, University of Texas Southwestern Medical School, Dallas, Texas

- Howard J. Schwartz, M.D.**, *Assistant Professor of Medicine, Case Western Reserve University School of Medicine, Associate Physician, University Hospitals; Consultant in Allergy, Cleveland Veterans Administration Hospital, Cleveland, Ohio*
- Sheldon C. Siegel, M.D.**, *Clinical Professor of Pediatrics, UCLA School of Medicine, Los Angeles, California*
- Frank G. Simon, M.D.**, *Louisville, Kentucky*
- Raymond G. Slavin, M.D.**, *Associate Professor of Internal Medicine; Director, Section of Allergy and Immunology, St. Louis University School of Medicine, Missouri*
- Purcell Smith, Jr., M.D.**, *Associate Clinical Professor of Medicine, University of Arkansas Medical Center*
- William R. Solomon, M.D.**, *Associate Professor of Internal Medicine, University of Michigan Medical Center*
- Frederic Speer, M.D.**, *Clinical Professor of Pediatrics, University of Kansas School of Medicine*
- G.E. Stafford, M.D.**, *Clinical Professor of Pediatrics, University of Nebraska Medical School*
- Loraine M. Stern, M.D.**, *Clinical Instructor, Department of Pediatrics, UCLA Medical Center, Los Angeles, California*
- Edward L. Strem, M.D.**, *Clinical Assistant Professor of Pediatrics, University of Minnesota Medical School, Minneapolis*
- Donald B. Strominger, M.D.**, *Assistant Clinical Professor of Pediatrics, Washington University School of Medicine; Medical Director, Cystic Fibrosis Research Center, St. Louis Children's Hospital, St. Louis, Missouri*
- Douglas B. Tamkin, M.D.**, *Fellow, Division of Immunology and Allergy, Department of Pediatrics, Los Angeles County Harbor General Hospital and UCLA School of Medicine*
- Joel D. Teigland, M.D.**, *Chief, Allergy Clinic, Blank Children's Hospital, Des Moines, Iowa*
- John H. Toogood, M.D.**, *Associate Professor of Medicine, The University of Western Ontario Faculty of Medicine*
- Donald L. Unger, M.D.**, *Chief, Allergy Section, Stritch School of Medicine (Loyola), Maywood, Illinois*

Alexander S. Vogel, M.D., *Clinical Instructor*, Department of Ophthalmology, Mount Sinai School of Medicine, New York, New York

G.L. Waldbott, M.D., *Emeritus Consultant in Allergy*, Jutzel Hospital, Warren, Michigan

Miles Weinberger, M.D., Greenbrae, California

Ruth McChesney Yohe, M.D., *Assistant Clinical Professor of Pediatrics*, University of Kansas Medical Center

Bernard M. Zussman, M.D., *Physician-in-Charge*, "Teaching Allergy Clinic," University of Tennessee College of Medicine, Memphis

CURRENT THERAPY OF ALLERGY

Table of Contents

PART

I ALLERGY HISTORY

Allergy History-taking in the Infant by John W. Gerrard, D.M.	23
Technique of Taking an Allergy History by Harry Lazar, M.D.	24
Important Points in the Allergic History of Adults by Paul F. deGara, M.D.	28

II PRURITUS

Generalized Pruritus by Henry H. Perlman, M.D.	30
Management of Pruritus Vulva and Pruritus Ani by James H. Cook, M.D.	33
Ano-Genital Pruritus by Henry H. Perlman, M.D.	34

III DIAPER DERMATITIS

Diaper Dermatitis (Including the Erythema of Jacquet, Ammoniacal Diaper Dermatitis and Closely Allied Napkin Dermatitides by Henry H. Perlman, M.D.	36
--	----

IV ATOPIC ECZEMA

Atopic Eczema in Infancy by Bettina C. Hilman, M.D.	39
Childhood Atopic Eczema by Bettina C. Hilman, M.D.	43
Atopic Dermatitis in the Child by Nancy B. Esterly, M.D.	44
The Use of Corticosteroids in the Treatment of Childhood Atopic Disease by James G. Easton, M.D.	47
Atopic Dermatitis in the Adult by Norman N. Epstein, M.D.	49

V	CONTACT DERMATITIS	
	Dermatitis of the Hands	
	by Alexander A. Fisher, M.D.	53
	by G. L. Waldbott, M.D.	55
	Plant Dermatitis	
	by Melvin L. Elson, M.D.	59
	Metal Dermatitis	
	by G. L. Waldbott, M.D.	61
	Nickel Dermatitis	
	by Eleasar Feuerman, M.D.	64
	Clothes Dermatitis	
	by Melvin L. Elson, M.D.	65
	Cosmetic Dermatitis	
	by Melvin L. Elson, M.D.	67
	Occupational Dermatitis	
	by Max Grolnick, M.D.	69
	by G. L. Waldbott, M.D.	72
	Table of Contactants and their Sources	
	by Melvin L. Elson, M.D.	74
VI	ALLERGIC RHINITIS	
	Allergic Rhinitis in Children	
	by Lloyd V. Crawford, M.D.	76
	by Joel D. Teigland, M.D.	79
	Perennial Allergic Rhinitis	
	by Andrew B. Murray, M.B.	84
	Allergic Rhinitis in Adults	
	by John H. Toogood, M.D.	86
	by Macy I. Levine, M.D.	90
	by James H. Putman, M.D.	93
	Vasomotor Rhinitis in Children	
	by William R. Solomon, M.D.	93
	Vasomotor Rhinitis in Adults	
	by Lowell L. Henderson, M.D.	94
	Nasal Polyps	
	by Ralph Hale, M.D.	96
	by Charles G. Blumstein, M.D. and George I. Blumstein, M.D.	97
VII	BRONCHIAL ASTHMA	
	Office Management of Chronic Asthma in Children	
	by John S. Hyde, M.D.	100
	by Cecil Collins-Williams, M.D.	102
	Office Management of Acute Asthma in Children	
	by Cecil Collins-Williams, M.D.	105