

Reversibility of Chronic Disease and Hypersensitivity

*The Effects of Environmental Pollutants
on the Organ System*

VOLUME 2



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William J. Rea, M.D.
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VOLUME 2

REVERSIBILITY OF CHRONIC DEGENERATIVE DISEASE AND HYPERSENSITIVITY

*Reversibility of Chronic Degenerative Disease and Hypersensitivity,
Volume 1: Regulating Mechanisms of Chemical Sensitivity*

*Reversibility of Chronic Disease and Hypersensitivity,
Volume 2: The Effects of Environmental Pollutants on the Organ System*

*Reversibility of Chronic Disease and Hypersensitivity,
Volume 3: Clinical Environmental Manifestations
of the Neurocardiovascular Systems*

*Reversibility of Chronic Disease and Hypersensitivity,
Volume 4: The Environmental Aspects of Chemical Sensitivity*

Preface

The clinical aspects of the diagnosis and treatment of chemical sensitivity and chronic degenerative disease presented in this book are now complete. This book is for people interested in the origin of the clinical aspects of chemical sensitivity and chronic degenerative disease. The clinical aspects of chemical sensitivity are growing in leaps and bounds and need to be known and considered in every case of chronic degenerative disease.

In treating chronic degenerative disease, health-care providers must consider every aspect of chemical sensitivity. In this way, they will be able to help more patients obtain health and prevent advanced disease. Also, considering the aspects of chemical sensitivity will help each clinician to direct research for the prevention of advanced irreversible end stage disease. Modern technology has contributed to the advancement of chemical sensitivity, and it should be brought to bear on the solution of the problem.

William J. Rea, MD, FACS, FAAEM

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Kalpana D. Patel, MD, FAAP, FAAEM

Authors

William J. Rea, MD, FACS, FAAEM, is a thoracic, cardiovascular, and general surgeon with an added interest in the environmental aspects of health and disease. He currently serves as the director of the Environmental Health Center–Dallas (EHC–Dallas), a highly specialized Dallas-based medical facility that he founded in 1974.

Dr. Rea was awarded the Jonathan Forman Gold Medal Award in 1987 for outstanding research in environmental medicine, the Herbert J. Rinkle Award in 1993 for outstanding teaching, and the 1998 Service Award, all by the American Academy of Environmental Medicine. He was named Outstanding Alumnus by Otterbein College in 1991. Other awards include the Mountain Valley Water Hall of Fame in 1987 for research in water and health, the Special Achievement Award by Otterbein College in 1991, the Distinguished Pioneers in Alternative Medicine Award by the Foundation for the Advancement of Innovative Medicine Education Fund in 1994, the Gold Star Award by the International Biographical Center in 1997, the Five Hundred Leaders of Influence Award in 1997, *Who's Who in the South and Southwest* in 1997, the Twentieth Century Award for Achievement in 1997, the Dor W. Brown, Jr., M.D. Lectureship Award by the Pan American Allergy Society, and the O. Spurgeon English Humanitarian Award by Temple University in 2002. Dr. Rea is the author of five medical textbooks, *Chemical Sensitivity (Volumes 1–4)* and *Reversibility of Chronic Degenerative Disease and Hypersensitivity, Volume 1: Regulating Mechanisms of Chemical Sensitivity*, and coauthor of *Your Home, Your Health and Well-Being*. He also published the popular *how to* book on building less polluted homes, *Optimum Environments for Optimum Health and Creativity*. He has also published more than 150 peer-reviewed research papers related to the topic of thoracic and cardiovascular surgery as well as that of environmental medicine.

Dr. Rea currently serves on the board and is president of the American Environmental Health Foundation. He is vice president of the American Board of Environmental Medicine and previously served on the board of the American Academy of Environmental Medicine. He previously held the position of chief of surgery at Brookhaven Medical Center and chief of cardiovascular surgery at Dallas Veteran's Hospital. He is also a past president of the American Academy of Environmental Medicine and the Pan American Allergy Society. He has served on the Science Advisory Board for the U.S. Environmental Protection Agency; on the Research Committee for the American Academy of Otolaryngic Allergy; and on the Committee on Aspects of Cardiovascular, Endocrine and Autoimmune Diseases of the American College of Allergists, as well as on the Committee on Immunotoxicology for the Office of Technology Assessment and on the panel on Chemical Sensitivity of the National Academy of Sciences. He was previously adjunct professor with the University of Oklahoma Health Science Center College of Public Health. Dr. Rea is a fellow of the American College of Surgeons, the American Academy of Environmental Medicine, the American College of Allergists, the American College of Preventive Medicine, the American College of Nutrition, and the Royal Society of Medicine.

Dr. Rea graduated from Otterbein College in Westerville, Ohio, and Ohio State University College of Medicine in Columbus, Ohio. He then completed a rotating internship at Parkland Memorial Hospital in Dallas, Texas. He held a general surgery residency from 1963 to 1967 and a cardiovascular surgery fellowship and residency from 1967 to 1969 with the University of Texas Southwestern Medical Center system, which includes Parkland Memorial Hospital, Baylor Medical Center, Veteran's Hospital, and Children's Medical Center. He was also part of the team that treated Governor Connally when President Kennedy was assassinated.

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Kalpana D. Patel, MD, FAAP, FAAEM, is a pediatrician with an added interest in the environmental aspects of health and disease. She founded the Environmental Health Center–Buffalo (EHC–Buffalo) in 1985, a specialized Buffalo-based medical facility. Dr. Patel was awarded the Jonathan Forman Gold Medal Award in 2006 for outstanding research in environmental medicine and the Herbert J. Rinkle Award in 2008 for outstanding teaching by the American Academy of Environmental Medicine. She was a recipient of the prestigious Hind Rattan Award granted by the NRI Welfare Society of India, an organization under the umbrella of the Government of India. She is a coauthor of the medical textbook, *Reversibility of Chronic Degenerative Disease and Hypersensitivity, Volume 1: Regulating Mechanisms of Chemical Sensitivity*. Dr. Patel has published many peer-reviewed research papers related to the topic of environmental medicine. She currently serves on the board and is president of the Environmental Health Foundation of New York. She has also served as president of the American Board of Environmental Medicine and on the board of the American Academy of Environmental Medicine. She previously held the position of director of child health in Erie County Department of Health and of chief of pediatrics at Deaconess Hospital, Buffalo, New York. She is a fellow of the American Academy of Environmental Medicine.

Dr. Patel graduated from St. Xavier's College with honors in the state of Gujarat, India, and also with honors from B. J. Medical College, Gujarat University, Ahmadabad, India. She then completed a rotating internship at Bexar County Hospital in San Antonio, Texas. She held a pediatric residency from 1969 to 1972. Dr. Patel has served as an assistant professor of pediatrics at the State University of New York at Buffalo since 1973.

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