

Toxicologic Risk of Fluoride in Drinking Water

Committee

John Doull

Chair

JOHN DOULL (Chair) is professor emeritus of pharmacology and toxicology at the University of Kansas Medical School. His distinguished career in toxicology includes service in a variety of leadership positions and on numerous scientific advisory committees. Most notably he is past-president of the Society of Toxicology and the American Board of Toxicology. Dr. Doull is the recipient of many awards, including the International Achievement Award from the International Society for Regulatory Toxicology and Pharmacology, the Commanders Award for Public Service from the Department of the Army, and the Stockinger Award from ACGIH, and he was the first recipient of the John Doull Award, which was established by the Central States Chapter of the Society of Toxicology to recognize his contributions to the discipline of toxicology. He is former chair of the NRC Committee on Toxicology and currently serves as vice chair of the Board on Environmental Studies and Toxicology. He is a National Associate of the National Academies. Dr. Doull received his M.D. and Ph.D. in pharmacology from the University of Chicago.

Kim Boekelheide

Member

KIM BOEKELHEIDE is professor and acting chair of the Department of Pathology and Laboratory Medicine at Brown University. His research interests are in male reproductive toxicology, particularly in the area of examining the potential roles of stem cell proliferation kinetics and local paracrine growth factors in regulation of spermatogenesis following toxicant-induced injury. He is a member of the Board of Scientific Counselors of the National Toxicology Program and was chair of the NIH Center for Scientific Review Special Emphasis Panel, Fetal Basis of Adult Disease: Role of the Environment. Dr. Boekelheide received his M.D. and Ph.D. in pathology from Duke University.

Barbara G. Farishian

Member

BARBARA FARISHIAN is a practicing dentist in Washington, DC, and is a former faculty member at Georgetown University Dental School. She is a fellow of the Academy of General Dentistry, past-president of the Capitol Academy of Dentistry, and a member of the Board of Directors of the District of Columbia Dental Society, an affiliate of the American Dental Association. Prior to attending dental school, Dr. Farishian was a toxicologist at the U.S. Environmental Protection Agency and was on the biomedical research staff of the Wistar Institute of the University of Pennsylvania. She received her D.D.S. from the Georgetown University Dental School.

Robert L. Isaacson

Member

ROBERT L. ISAACSON is a distinguished professor of psychology at Binghamton University. His research interests are in behavioral neuroscience, particularly the study of recovery from brain damage, functions of the limbic system, mechanisms responsible for neuronal cell death, and the neurotoxic effects of certain fluoride complexes. He is a past president of the International Behavioral Neuroscience Society and is recipient of the Society's Lifetime Achievement Award. He serves on a number of editorial boards, including that of Brain Research. He has received fellow status in several scientific societies. He has served as chairperson and member of several committees of the Society for Neuroscience. In the past he has served as a member of grant review panels for NIH, NIMH, and NSF. He received his Ph.D. from the University of Michigan.

Judith B. Klotz

Member

JUDITH B. KLOTZ is an adjunct associate professor at the University of Medicine and Dentistry of New Jersey. Before joining the university, she was program manager of the cancer surveillance and environmental epidemiology programs at the New Jersey Department of Health and Senior Services. Her research interests are in epidemiological studies of cancer incidence and reproductive outcomes, gene-environment interactions, evaluation of biological exposures to environmental contaminants, and the application of health risk assessment and epidemiology to public policy. She received her M.S. in genetics from the University of Michigan and her Dr P.H. in environmental health sciences from Columbia University School of Public Health.

Jayanth V. Kumar

Member

JAYANTH V. KUMAR is director of the Oral Health Surveillance & Research unit, Bureau of Dental Health at the New York State Department of Health. He also holds an appointment as an associate professor in the Department of Health Policy, Management, and Behavior at the School of Public Health of the University at Albany, State University of New York. His research interests are in exposure to fluoride, its effects on oral health, and health promotion and disease prevention strategies. Dr. Kumar received his dental degree from Bangalore University, M.P.H. from Johns Hopkins University, and post-doctoral certificate in dental public health from the New York State Department of Health.

Hardy Limeback

Member

HARDY LIMEBACK is an associate professor and head of Preventive Dentistry at the University of Toronto, and is also a part-time practicing dentist. His research interestes are in tooth development, enamel proteins, caries, and prevention of dental fluorosis. Dr. Limeback is a former president of the Canadian Association of Dental Research. He has been involved for many years in reviewing the scientific literature related to fluoridation of drinking water. He received his Ph.D. in collagen biochemistry and D.D.S. from the University of Toronto.

Charles Poole

Member

CHARLES POOLE is an associate professor in the Department of Epidemiology at the University of North Carolina School of Public Health. Previously, he was with the Boston University School of Public Health. Dr. Poole's work currently focuses on the development and utilization of epidemiologic methods and principles, including problem definition, study design, data collection, statistical analysis, and the interpretation and application of research results, including systematic review and meta-analysis. His research experience includes studies in environmental and occupational epidemiology and other substantive areas. Dr. Poole was an epidemiologist in the Office of Pesticides and Toxic Substances of the U.S. Environmental Protection Agency for five years and worked for a decade as an epidemiologic consultant, both with a firm and independently. He received his M.P.H in health administration from the University of North Carolina School of Public Health and his Sc.D. in epidemiology from the Harvard School of Public Health. Dr. Poole was a member of the IOM Committee on Gulf War and Health: Review of the Literature on Pesticides and Solvents and the NRC Committee on Estimating the Health-Risk-Reduction Benefits of Proposed Air Pollution Regulations.

J. E. Puzas

Member

J. EDWARD PUZAS is the Donald and Mary Clark Professor of Orthopaedics at the University of Rochester School of Medicine and Dentistry. He also holds faculty appointments in biochemistry, biomedical engineering, oncology, and pathology and laboratory medicine. He is director of university's Osteoporosis Center and Center for Musculoskeletal Research. His research interests are in all aspects of bone, cartilage, orthopaedic, and dental biology, with a particular interest in diseases of the skeleton, such as osteoporosis and some skeletal cancers. He also directs the osteotoxicology research core at the university's NIEHS center program at the University of Rochester Medical Center, where he conducts research on adverse impacts of environmental agents on skeletal tissue. He has won several awards for his research, including the Kappa Delta Prize for Outstanding Orthopaedic Research and the Kroc Foundation Award for Excellence in Cartilage and Bone Research. Dr. Puzas is president of the Orthopaedic Research Society. He received his M.S. and Ph.D. in radiation biology and biophysics from the University of Rochester.

Nu-May R. Reed

Member

NU-MAY RUBY REED is a staff toxicologist with the California Environmental Protection Agency's Department of Pesticide Regulation, where she is the lead person on risk assessment issues in the Health Assessment Section. Her research interests are in evaluating health risks and developing dietary assessment guidelines for pesticides. She has been on several Cal/EPA working groups that initiate, research, and revise risk assessment guidelines and policies, and represented her department in task forces on community concerns and emergency response, risk management guidance, and public education. Dr. Reed is also a lecturer on health risk assessment at the University of California at Davis. She received her Ph.D. from the University of California at Davis, and is a diplomate of the American Board of Toxicology.

Kathleen M. Thiessen

Member

KATHLEEN M. THIESSEN is a senior scientist at SENES Oak Ridge, Inc., Center for Risk Analysis. She has extensive experience evaluating exposures, doses, and risks to human health from environmental contaminants and in the use of uncertainty analysis for environmental and health risk assessment. More recently, Dr. Thiessen has led a working group on dose reconstruction for the International Atomic Energy Agency's Biosphere Modeling and Assessment Methods program. She received her Ph.D. in genetics from the University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences.

Thomas F. Webster

Member

THOMAS WEBSTER is assistant professor in the Department of Environmental Health at the Boston University School of Public Health. His research interests include methods in environmental epidemiology, mathematical modeling, and the sources, fate and hazards of persistent organic pollutants, particularly dioxins. He received his D.Sc. in environmental health from Boston University School of Public Health.