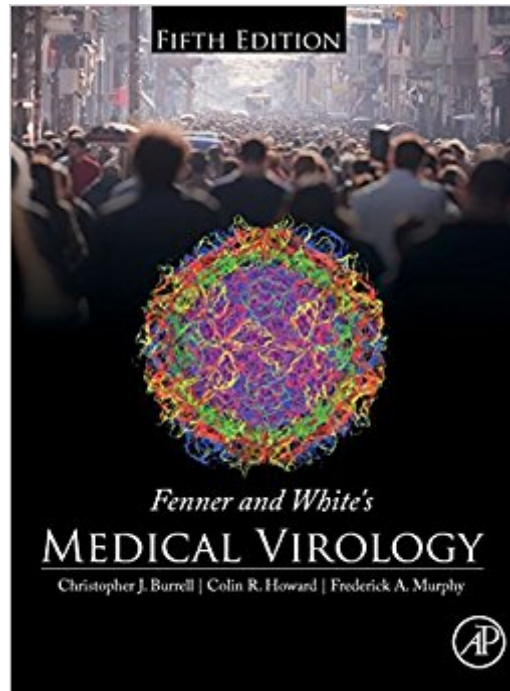


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Fenner And White's Medical Virology, 5, Fifth Edition



Synopsis

Fenner and White's Medical Virology, Fifth Edition provides an integrated view of related sciences, from cell biology, to medical epidemiology and human social behavior. The perspective represented by this book, that of medical virology as an infectious disease science, is meant to provide a starting point, an anchor, for those who must relate the subject to clinical practice, public health practice, scholarly research, and other endeavors. The book presents detailed exposition on the properties of viruses, how viruses replicate, and how viruses cause disease. These chapters are then followed by an overview of the principles of diagnosis, epidemiology, and how virus infections can be controlled. The first section concludes with a discussion on emergence and attempts to predict the next major public health challenges. These form a guide for delving into the specific diseases of interest to the reader as described in Part II. This lucid and concise, yet comprehensive, text is admirably suited to the needs of not only advanced students of science and medicine, but also postgraduate students, teachers, and research workers in all areas of virology. Features updated and expanded coverage of pathogenesis and immunity Contains the latest laboratory diagnostic methods Provides insights into clinical features of human viral disease, vaccines, chemotherapy, epidemiology, and control

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Customer Reviews

AO, BSc(Med), MBBS, PhD, FRCPATH, FRCPA. Emeritus Professor of Virology, University of Adelaide, and former Head of the Infectious Diseases Laboratories, Institute of Medical and Veterinary Science, Adelaide, South Australia, Australia. His research expertise lies in hepatitis

viruses particularly hepatitis B; HIV and AIDS; influenza; virus diagnosis and pathogenesis; immunization and prevention of virus infections. For more than forty years he has taught medical undergraduates and graduates and doctoral students, and worked with government research funding and public health bodies. Colin R Howard, DSc, PhD, FRCPath, FRSB holds professorships at London and Birmingham Universities. With over 40 years of experience in research and the teaching of virology, he has taught workshops to undergraduates, veterinarians and postgraduate health care workers in Europe, Asia, Africa and the Americas. His research interests are focused on persistent virus infections and haemorrhage fevers. Through his interest in vaccines he has advised the World Health Organisation, government agencies and vaccine manufacturers.

Frederick A. Murphy, DVM, PhD, is professor, Department of Pathology, University of Texas Medical Branch (UTMB), Galveston. He holds a BS and DVM from Cornell University and a PhD from the University of California, Davis (UC Davis). Formerly he was dean and distinguished professor, School of Veterinary Medicine, and distinguished professor, School of Medicine, UC Davis. Before that he served as director of the National Center for Infectious Diseases, and director of the Division of Viral and Rickettsial Diseases, Centers for Disease Control, Atlanta. He is a member of the Institute of Medicine of the U.S. National Academy of Sciences and is a member of the German National Academy of Sciences and the Belgian Royal Academy of Medicine. He holds an honorary Doctor of Medicine and Surgery from the University of Turku, Finland; an honorary Doctor of Science from the University of Guelph, Canada; an honorary Doctor of Veterinary Medicine from the University of London, United Kingdom; an honorary Doctor of Science from University College Dublin, Ireland; the Presidential Rank Award of the U.S. Government; the PennVet World Leadership Award from the University of Pennsylvania, and the Distinguished Microbiologist Award from the American College of Veterinary Microbiologists. At UTMB, he is a member of the Institute for Human Infections and Immunity, Center for Biodefense and Emerging Infectious Diseases, Galveston National Laboratory, and McLaughlin Endowment for Infection and Immunity. His professional interests include the pathology and epidemiology of highly pathogenic viruses/viral diseases: rabies and the rabies-like viruses, arboviruses, hemorrhagic fever viruses, and other neurotropic viruses. He has been a leader in advancing the concepts of “new and emerging infectious diseases”; and “new and emerging zoonoses”; and “the threat posed by bioterrorism.” Most recently, he has been working on Internet resources on the history of virology: “The Foundations of Virology”; at <http://www.utmb.edu/virusimages/>.

As a long-time professor of Virology, I was looking for an update to the original White and Fenner

text from years ago. Thank goodness this 5th edition has arrived. It covers virology in a different way than most classes are taught these days; this text covers all the basics of the field, from structure through antiviral intervention, then devotes each chapter to a different virus family. While I treasure the 4th edition (from the 90s!), this 5th edition is well worth it.

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