



Viruses and the lung : infections and non-infectious viral-linked lung disorders

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- Other Authors: Fraire, Armando E
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- Abstract: Worldwide, infectious disease remains a major cause of morbidity and mortality. In developing countries, infection accounts for a substantial proportion of all recorded deaths. Likewise, in developed countries, pneumonia alone results in a large number of deaths. Along with bacteria, parasites and rickettsial organisms, viruses are responsible for many of the infections afflicting the human host. In the past decade alone, viruses that primarily target the lung have caused major respiratory illnesses including outbreaks of severe adult respiratory distress syndrome (SARS) and H1N1 influenza. This book is distinctive in that the entire spectrum of viral disease of the lung is conveniently compiled within a single volume. The epidemiologic, ultrastructural, immunologic, clinical and histopathologic features of well-known viral pathogens and newer emergent infectious agents are discussed. The book is organized in a classic fashion, starting with introductory material and sections on lung defenses and the taxonomic classification of pneumotropic viruses. The various acute viral pneumonias are then considered in a standard format in the main body of the book. Subsequent sections are devoted to the human immunodeficiency virus, viral lung disease in children and other viral-linked tumoral and nontumoral lung conditions. A chapter is also included on animal lung diseases caused by viruses. The text is supplemented by numerous color images.

Contents:	Part I. Lung Defenses and Taxonomy – 1. Introduction – 2. Lung Defenses – 3. Taxonomy – Part II. Major Febrile Illnesses – 4. Adenovirus – 5. Cytomegalovirus – 6. Herpesvirus – 7. Varicella Zoster Virus – 8. Measles Virus – 9. Influenza Virus – 10. Parainfluenza Virus – 11. Respiratory Syncytial Virus – 12. Human Metapneumovirus – 13. Coronavirus – 14. Henipah Viruses – 15. Viral Hemorrhagic Fevers – 16. Parvovirus – Part III. Infantile Viral Illnesses – 17. Infantile Viral Illnesses – Part IV Virus Related Neoplasia – 18. Tumors of the Lung Associated with HIV Infection – 19. Human Papillomavirus-Related Pulmonary Neoplasia – 20. HHV-8-Related Lung Neoplastic and Nonneoplastic Diseases – 21. Herpesvirus-4/Epstein-Barr Virus (EBV) – 22. SV40 and the Lung – Part V. Lung Disorders of Uncertain Viral Etiology – 23. Lung Disorders of Uncertain Viral Etiology – Part VI. Viral Illnesses in Animals – 24. Viral Pulmonary Disorders in Animals: Neoplastic and Nonneoplastic.
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