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Nota di contenuto	Cover Title Copyright End User License Agreement Contents Foreword Preface List of Contributors Chapter 1 Sunishtha1, Govind Singh1 and Sanju Nanda1,* INTRODUCTION THE ATHENIAN PLAGUE PLAGUE OF JUSTINIAN THE BLACK DEATH SPANISH FLU AIDS SMALLPOX SARS SWINE FLU OR H1N1 PANDEMIC EBOLA COVID-19 ORIGIN OF CORONAVIRUS TYPES OF CORONAVIRUSES DISEASE ASSOCIATED WITH CORONAVIRUSES MURINE HEPATITIS VIRUS (MHV) Central Nervous System Hepatitis Pneumonitis BOVINE CORONAVIRUS HUMAN CORONAVIRUS ABBREVIATIONS CONSENT FOR PUBLICATION CONFLICT OF INTEREST ACKNOWLEDGEMENTS REFERENCES Chapter 2 Hitesh Malhotra1,*, Anjoo Kamboj1 and Peeyush Kaushik1 INTRODUCTION GENOMIC STRUCTURE OF CORONAVIRUS STRUCTURAL PROTEINS Spike Protein Small Membrane Protein Membrane Protein Hemagglutinin-Esterase Nucleocapsid and Internal Proteins Replicase Protein VIRAL CYCLE OUTBREAKS OF CORONAVIRUS Porcine Coronavirus Avian Coronavirus Feline Coronavirus Bovine Coronavirus Avian

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	Luminescence-based Immunoassays Biosensor Tests Rapid Antigen Tests CONCLUDING REMARKS LIST OF ABBREVIATIONS CONSENT FOR PUBLICATION CONFLICT OF INTEREST ACKNOWLEDGEMENTS REFERENCES Subject Index.
Sommario/riassunto	Provides clinicians and scholars all the information on this disease in 2 volumes. Readers will find a concise and visual reference for this viral disease and will be equipped with the knowledge to assess and manage Sar-Cov-2 infection cases in clinical settings. This book is divided into two parts (I and II). Part I provides comprehensive information about 1 History of Coronaviruses, 2 Epidemiology of COVID-19, 3 Clinical presentation of this viral disease and 4 COVID-19 diagnosis. Part II covers broader topics about this communicable disease including 1 the prevention and treatment methodology, 2 mortality and long-term complications, 3 COVID-19 vaccines and future perspectives. Key Features: Covers all the aspects of COVID-19 making this a perfect textbook for virology and medical students. Chapter wise description and segregation of topics from pathophysiology to diagnosis and management of COVID-19. Six chapters in the first part which focus on clinical basics of COVID-19. Six chapters in the second part which focus on clinical basics of practical infection control. Multiple tables and figures which summarize and highlight important points. Presents a summary of the current standards for the evaluation and diagnosis of COVID-19. Features a detailed list of references, abbreviations, and symbols. This book is an essential textbook reference for medical students, scientists (virologists, pulmonologists) and public health officials who are required to understand COVID19 diagnosis and management as part of their clinical training or professional work.