Recognizing the mannerism ways to acquire this book human virology a text for students of medicine dentistry and microbiology is additionally useful. You have remained in right site to begin getting this info. get the human virology a text for students of medicine dentistry and microbiology link that we present here and check out the link.

You could buy lead human virology a text for students of medicine dentistry and microbiology or get it as soon as feasible. You can speedily download this human virology a text for students of medicine dentistry and microbiology after getting deal. So, with you require the ebook swiftly, you can stright acquire it. Its correspondingly totally easy and suitably fats, isn't it? You have to favor to in this declare

Human Virology - Leslie Harold Collier - 2006

Viruses are the smallest of organisms, yet given that they account for at least a third of presentations in the doctors clinic, they must be well understood by medical students and practitioners alike. Collier and Oxford's Human Virology presents this complex and rapidly evolving subject with notable clarity and topicality. The first part of the book deals with the general principles of virology, including the properties of viruses, replication and genetics, along with disease and resistance. This is followed by chapters dedicated to specific groups of viruses, then special syndromes associated with susceptible groups. The final part of the book is reserved for practical aspects of virology, including diagnosis, control measures and anti-viral therapies. The authors intent is not to turn their readers into virologists, but rather to provide them with enough knowledge of the nature of viruses and viral infections to serve as an essential foundation for clinical involvement with the subject. By providing a concise but comprehensive account of the fascinating subject of virology, this text is ideal for students of medicine, dentistry, microbiology, nursing and the biological sciences. This latest edition has been extensively updated and incorporates many new diagrams, accompanied by the introduction of full colour presentation. The importance of viruses has demanded a fresh appreciation in recent years, providing opportunity for this edition to include coverage of: - The emergence of SARS - Latest research in the study of prion diseases - An exploration of the debate regarding MMR versus single vaccination - Progress in the study and treatment of HIV/AIDS - Recent advances in diagnostic virology and antiviral therapy - Greater emphasis on the antiviral precautions required of healthcare professionals.

Human Virology - Leslie Harold Collier - 1993

Essential Human Virology - Jennifer Louten - 2016-03-29

Essential Human Virology is written for the undergraduate level with case studies integrated into each chapter. The structure and classification of viruses will be covered, as well as virus transmission and virus replication strategies based upon type of viral nucleic acid. Several chapters will focus on notable and recognizable viruses and the diseases caused by them, including influenza, HIV, hepatitis viruses, poliovirus, herpesviruses, and emerging and dangerous viruses. Additionally, how viruses cause disease, or pathogenesis, will be highlighted during the discussion of each virus family, and a chapter on the immune response to viruses will be included. Further, research laboratory assays and viral diagnosis assays will be discussed, as will vaccines, anti-viral drugs, gene therapy, and the beneficial uses of viruses. By focusing on general virology principles, current and future technologies, familiar human viruses, and the effects of these viruses on humans, this textbook will provide a solid foundation in virology while keeping the interest of undergraduate students. Focuses on the human diseases and cellular pathology that viruses cause Highlights current and cutting-edge technology and associated issues Presents real case studies and current news highlights in each chapter Features dynamic illustrations, chapter assessment questions, key terms, and summary of concepts, as well as an instructor website with lecture slides, test bank, and recommended activities.

Essential Human Virology - Jennifer Louten - 2016-03-29

Essential Human Virology is written for the undergraduate level with case studies integrated into each chapter. The structure and classification of viruses will be covered, as well as virus transmission and virus replication strategies based upon type of viral nucleic acid. Several chapters will focus on notable and recognizable viruses and the diseases caused by them, including influenza, HIV, hepatitis viruses, poliovirus, herpesviruses, and
the order of classification, virion and genome structure, virion proteins, life cycle, and the effect on host and an
during the discussion of each virus family, and a chapter on the immune response to viruses will be included. Further, research laboratory assays and viral diagnosis assays will be discussed, as will vaccines, anti-viral drugs, gene therapy, and the beneficial uses of viruses. By focusing on general virology principles, current and future
technologies, familiar human viruses, and the effects of these viruses on humans, this textbook will provide a solid
foundation in virology while keeping the interest of undergraduate students. Focuses on the human diseases and
pathological condition that viruses cause Highlights current and cutting-edge technology and associated issues
Presents real case studies and current news highlights in each chapter Features dynamic illustrations, chapter
assessment questions, key terms, and summary of concepts, as well as an instructor website with lecture slides,
test bank, and recommended activities

Human Virology in Latin America - Juan Ernesto Ludert - 2017-07-19
This book is a compilation of some of the most remarkable contributions made by scientists currently working in
Latin America to the understanding of virus biology, the pathogenesis of virus-related diseases, virus
epidemiology, vaccine trials and antivirals development. In addition to recognizing the many fine virologists
working in Latin America, Human Virology in Latin America also discusses both the state-of-the-art research and
the current challenges that are being faced in the region, in hopes of inspiring young scientists worldwide to
become eminent virologists.

Human Virology in Latin America - Juan Ernesto Ludert - 2017-07-19
This book is a compilation of some of the most remarkable contributions made by scientists currently working in
Latin America to the understanding of virus biology, the pathogenesis of virus-related diseases, virus
epidemiology, vaccine trials and antivirals development. In addition to recognizing the many fine virologists
working in Latin America, Human Virology in Latin America also discusses both the state-of-the-art research and
the current challenges that are being faced in the region, in hopes of inspiring young scientists worldwide to
become eminent virologists.

Textbook of Human Virology - Robert B. Belshe - 1984
An updated volume focusing on human virology and incorporating knowledge that has been gained in recent
years, including contemporary information on the molecular biology of viruses.

Textbook of Human Virology - Robert B. Belshe - 1984
An updated volume focusing on human virology and incorporating knowledge that has been gained in recent
years, including contemporary information on the molecular biology of viruses.

Molecular Virology of Human Pathogenic Viruses - Wang-Shick Ryu - 2016-03-30
Molecular Virology of Human Pathogenic Viruses presents robust coverage of the key principles of molecular
virology while emphasizing virus family structure and providing key context points for topical advances in the
field. The book is organized in a logical manner to aid in student discoverability and comprehension and is based
on the author’s more than 20 years of teaching experience. Each chapter will describe the viral life cycle covering
the order of classification, virion and genome structure, virion proteins, life cycle, and the effect on host and an
during the discussion of each virus family, and a chapter on the immune response to viruses will be included. Further, research laboratory assays and viral diagnosis assays will be discussed, as will vaccines, anti-viral drugs, gene therapy, and the beneficial uses of viruses. By focusing on general virology principles, current and future
technologies, familiar human viruses, and the effects of these viruses on humans, this textbook will provide a solid
foundation in virology while keeping the interest of undergraduate students. Focuses on the human diseases and
pathological condition that viruses cause Highlights current and cutting-edge technology and associated issues
Presents real case studies and current news highlights in each chapter Features dynamic illustrations, chapter
assessment questions, key terms, and summary of concepts, as well as an instructor website with lecture slides,
test bank, and recommended activities

Molecular Virology of Human Pathogenic Viruses - Wang-Shick Ryu - 2016-03-30
Molecular Virology of Human Pathogenic Viruses presents robust coverage of the key principles of molecular
virology while emphasizing virus family structure and providing key context points for topical advances in the
field. The book is organized in a logical manner to aid in student discoverability and comprehension and is based
on the author’s more than 20 years of teaching experience. Each chapter will describe the viral life cycle covering

Virology E-Book - Stephen N J Korsman - 2012-08-17
This is a concise, highly accessible introduction to medical virology, incorporating essential basic principles as
well as a systematic review of viruses and viral diseases. It pays particular attention to developments in anti-viral
therapy that are becoming increasingly effective in modern medicine. It is an ideal textbook for the information-
overloaded student and an invaluable everyday companion for the busy professional who needs a good
understanding of the current state of medical virology. In keeping with the highly successful format of other
Illustrated Colour Texts, it presents the subject as a series of succinct 2 page ‘learning units’, using a superb
collection of clear illustrations and clinical photographs, concise yet comprehensive text and key point boxes to
aid quick access to information and examination preparation. So whether you are a medical student, junior doctor,
medical scientist, trainee in infectious diseases or student on another allied medical course, this book is here to
make your life easier! It will also provide a very solid foundation for any who plan to delve deeper into this
fascinating field. Part of the popular Illustrated Colour Text series Information presented in double page spreads
for easy learning Highly illustrated with both full colour graphics and clinical photographs Each spread includes a
key point box for exam preparation

Virology E-Book - Stephen N J Korsman - 2012-08-17
This is a concise, highly accessible introduction to medical virology, incorporating essential basic principles as
well as a systematic review of viruses and viral diseases. It pays particular attention to developments in anti-viral
therapy that are becoming increasingly effective in modern medicine. It is an ideal textbook for the information-
overloaded student and an invaluable everyday companion for the busy professional who needs a good
understanding of the current state of medical virology. In keeping with the highly successful format of other
Illustrated Colour Texts, it presents the subject as a series of succinct 2 page ‘learning units’, using a superb
collection of clear illustrations and clinical photographs, concise yet comprehensive text and key point boxes to
aid quick access to information and examination preparation. So whether you are a medical student, junior doctor,
medical scientist, trainee in infectious diseases or student on another allied medical course, this book is here to
make your life easier! It will also provide a very solid foundation for any who plan to delve deeper into this
fascinating field. Part of the popular Illustrated Colour Text series Information presented in double page spreads
for easy learning Highly illustrated with both full colour graphics and clinical photographs Each spread includes a
key point box for exam preparation

Viruses and Human Disease - Ellen G. Strauss - 2007-09-21
Completely revised and updated, the new edition of this groundbreaking text integrates basic virology with
pathophysiologic conditions to examine the connection between virology and human disease. Most virology
textbooks focus on the molecular biology involved without adequate reference to physiology. This text focuses on
viruses that infect humans, domestic animals and vertebrates and is based on extensive course notes from James
Strauss’ virology class at the California Institute of Technology taught for over 30 years. Expertly depicting in
color the molecular structure and replication of each virus, it provides an excellent overview for students and
professionals interested in viruses as agents of human disease. Includes over 30% new material - virtually all of the
figures and tables have been redrawn to include the latest information and the text has been extensively
rewritten to include the most up-to-date informationIncludes a new chapter on emerging and reemerging viral
diseases such as avian flu, SARS, the spread of West Nile virus across America, and the continuing spread of
Nipah virus in Southeast Asia Further reading sections at the end of each chapter make it easy find key
references World maps depicting the current distribution of existing and newly emerging viruses are also
incorporated into the text
selection of viruses introduces the relevance of virology to the modern world including the latest developments in
Completely revised and updated, the new edition of this groundbreaking text integrates basic virology with pathophysiological conditions to examine the connection between virology and human disease. Most virology textbooks focus on the molecular biology involved with adequate reference to physiology. This text focuses on viruses that infect humans, domestic animals and vertebrates and is based on extensive course notes from James Strauss’ virology class at the California Institute of Technology for over 30 years. Expertly depicting in color the molecular structure and replication of each virus, it provides an excellent overview for students and professionals interested in viruses as agents of human disease. Includes over 30% new material - virtually all of the figures and tables have been redrawn to include the latest information and the text has been extensively rewritten to include the most up-to-date information Includes a new chapter on emerging and reemerging viral diseases such as avian flu, SARS, the spread of West Nile virus across America, and the continuing spread of Nipah virus in Southeast Asia Further reading sections at the end of each chapter make it easy find key references World maps depicting the current distribution of existing and newly emerging viruses are also incorporated into the text

Fenner and White’s Medical Virology - Christopher J. Burrell - 2016-11-09
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

Fenner and White’s Medical Virology - Christopher J. Burrell - 2016-11-09
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

Virology - John Carter - 2007-08-15
Virology is a clear and accessible introduction to this fast moving field, providing a comprehensive resource enabling students to understand the key concepts surrounding this exciting subject. The authors have produced a text that stimulates and encourages the student through the extensive use of clear, colour-coded diagrams. Taking a modern approach to the subject, the relevance of virology to everyday life is clearly emphasised and discussion on emerging viruses, cancer, vaccines, anti-viral drugs gene vectors and pesticides is included. This title: Provides an introduction to the theories behind the origins of viruses and how they are evolving with discussion on emerging viruses Includes numerous diagrams with standard colour coding for different types of molecule such as DNA, messenger RNA, other virus RNA’s proteins - all diagrams are carefully developed and clearly labelled to enhance student understanding Features self-contained descriptions of the complete replication cycles of a

Virology - John Carter - 2007-08-15
Virology is a clear and accessible introduction to this fast moving field, providing a comprehensive resource enabling students to understand the key concepts surrounding this exciting subject. The authors have produced a text that stimulates and encourages the student through the extensive use of clear, colour-coded diagrams. Taking a modern approach to the subject, the relevance of virology to everyday life is clearly emphasised and discussion on emerging viruses, cancer, vaccines, anti-viral drugs gene vectors and pesticides is included. This title: Provides an introduction to the theories behind the origins of viruses and how they are evolving with discussion on emerging viruses Includes numerous diagrams with standard colour coding for different types of molecule such as DNA, messenger RNA, other virus RNA’s proteins - all diagrams are carefully developed and clearly labelled to enhance student understanding Features self-contained descriptions of the complete replication cycles of a

Viruses and Human Cancer - S. David Hudnall - 2014-06-21
Viruses and Human Cancer provides a comprehensive review of the seven currently known human tumor viruses and their associated cancers with an emphasis on epidemiology, clinicopathologic features, and pathogenesis. Chapters are written by internationally recognized experts and all are generously illustrated with tables, diagrams and photographic images. Viruses and Human Cancer is designed to serve as a concise review of the field of human tumor virology for pathologists, oncologists and infectious disease specialists. It will also be of great value to practicing physicians, residents and clinical fellows in these specialties.

Viruses and Human Cancer - S. David Hudnall - 2014-06-21
Viruses and Human Cancer provides a comprehensive review of the seven currently known human tumor viruses and their associated cancers with an emphasis on epidemiology, clinicopathologic features, and pathogenesis. Chapters are written by internationally recognized experts and all are generously illustrated with tables, diagrams and photographic images. Viruses and Human Cancer is designed to serve as a concise review of the field of human tumor virology for pathologists, oncologists and infectious disease specialists. It will also be of great value to practicing physicians, residents and clinical fellows in these specialties.

Applied Virology - Eduard Kurstak - 1984
Chapters are written by internationally recognized experts and all are generously illustrated with tables, diagrams and photographic images. Viruses and Human Cancer is designed to serve as a concise review of the field of human tumor virology for pathologists, oncologists and infectious disease specialists. It will also be of great value to practicing physicians, residents and clinical fellows in these specialties.

Clinical Virology - Douglas G. Richman - 2020-07-10
The essential reference of clinical virology Virology is one of the most dynamic and rapidly changing fields of clinical medicine. For example, sequencing techniques from human specimens have identified numerous new members of several virus families, including new polynucleotide phosphorylases, and bioactivities. Clinical Virology, Fourth Edition, has been extensively revised and updated to incorporate the latest developments and relevant research. Chapters written by internationally recognized experts cover novel viruses, pathogenesis, epidemiology, diagnosis, treatment, and prevention, organized into two major sections: Section 1 provides information regarding broad topics in virology, including immune responses, vaccinology, laboratory diagnosis, principles of antiviral therapy, and detailed considerations of important organ system manifestations and syndromes caused by viral infections. Section 2 provides overviews of specific etiologic agents and discusses their biology, epidemiology, pathogenesis of disease causation, clinical manifestations, laboratory diagnosis, and

human-virology-a-text-for-students-of-medicine-dentistry-and-microbiology 3/9 Downloaded from cullmesg.williamselson.com on December 1, 2021 by guest
even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases. about all aspects of this rapidly evolving field.

**Clinical Virology** - Douglas D. Richman - 2020-07-10

The essential reference of clinical virology *Virology* is one of the most dynamic and rapidly changing fields of clinical medicine. For example, sequencing techniques from human specimens have identified numerous new members of several virus families, including new polyomaviruses, orthomyxoviruses, and bunyaviruses. Clinical Virology, Sixth Edition, has been extensively revised and updated to incorporate the latest developments and relevant research. Chapters written by internationally recognized experts cover novel viruses, pathogenesis, epidemiology, diagnosis, treatment, and prevention, organized into two major sections: Section I provides information regarding broad topics in virology, including immune responses, vaccinology, laboratory diagnosis, principles of antiviral therapy, and detailed considerations of important organ system manifestations and syndromes caused by viral pathogens. Section II provides in-depth overviews of specific etiologic agents and discusses their biology, epidemiology, pathogenesis of disease causation, clinical manifestations, laboratory diagnosis, and management. Clinical Virology provides the critical information scientists and health care professionals require about all aspects of this rapidly evolving field.

**Principles of Virology, Volume 1** - Jane Flint - 2020-08-07

Principles of Virology, the leading virology textbook in use, is an extremely valuable and highly informative presentation of virology at the interface of modern cell biology and immunology. This text utilizes a uniquely rational approach by highlighting common principles and processes across all viruses. Using a set of representative viruses to illustrate the breadth of viral complexity, students are able to understand viral reproduction and pathogenesis and are equipped with the necessary tools for future encounters with new or understudied viruses. This fifth edition was updated to keep pace with the ever-changing field of virology. In addition to the beloved full-color illustrations, video interviews with leading scientists, movies, and links to exciting blogposts on relevant topics, this edition includes study questions and active learning puzzles in each chapter, as well as short descriptions regarding the key messages of references of special interest. Volume I: Molecular Biology focuses on the molecular processes of viral reproduction, from entry through release. Volume II: Pathogenesis and Control addresses the interplay between viruses and their host organisms, on both the micro- and macroscale, including chapters on public health, the immune response, vaccines and other antiviral strategies, viral evolution, and a brand new chapter on the therapeutic uses of viruses. These two volumes can be used for separate courses or together in a single course. Each includes a unique appendix, glossary, and links to internet resources. Principles of Virology, Fifth Edition, is ideal for teaching the strategies by which all viruses reproduce, spread within a host, and are maintained within populations. This edition carefully reflects the results of extensive vetting and feedback received from course instructors and students, making this renowned textbook even more appropriate for undergraduate and graduate courses in virology, microbiology, and infectious diseases.

**Human Virology** - Leslie Collier - 1993

In almost every area of biomedical research the making of new discoveries and their subsequent application to the relief of suffering proceed at an ever-increasing pace. Virology, perhaps more than any other discipline, is playing a key role in these advances, not only in the study of infections and their treatment and prevention, but also in the unravelling of the most fundamental aspects of biology. This is because viruses have an intimate relationship with the basic machinery of their host cells. Thus, research on how viruses reproduce themselves and spread has given us many insights into the way in which the cells of our bodies function, leading in turn to a better understanding of the whole organism and of how infective diseases may be prevented or cured. The speed of advance in this area has increased the difficulties encountered by students and teachers in absorbing and imparting important information as efficiently as possible. It is important that the students are provided with enough information not just to pass examinations but also to provide a foundation of knowledge adequate for subsequent professional practice. It is equally important that this information is presented in an attractive and easily assimilated manner. In this book Leslie Collier and John Oxford present a delightfully written account of basic and clinical virology that meets both of these requirements. Richly illustrated with over 130 line drawings and photographs, Human Virology provides a complete review of this rapidly expanding field of biology for medical, dental, and microbiology students.

**Fundamentals of Molecular Virology, 2nd Edition** - Nicholas H. Acheson - 2011-08-01

Designed for students learning about viruses for the first time at the undergraduate or graduate level, Fundamentals of Molecular Virology is presented in a style which relates to today's students and professors. This book is also a valuable, up-to-date source of information for graduate students, postdoctoral fellows and research scientists working with viruses. Chapters contributed by prominent virologists were edited to conform to a clear and accessible style. The text provides a thorough presentation of basic and contemporary concepts in virology for a student's first exposure to the field.

**Fundamentals of Molecular Virology, 2nd Edition** - Nicholas H. Acheson - 2011-08-01

Designed for students learning about viruses for the first time at the undergraduate or graduate level, Fundamentals of Molecular Virology is presented in a style which relates to today's students and professors. This book is also a valuable, up-to-date source of information for graduate students, postdoctoral fellows and research scientists working with viruses. Chapters contributed by prominent virologists were edited to conform to a clear and accessible style. The text provides a thorough presentation of basic and contemporary concepts in virology for a student's first exposure to the field.

**Desk Encyclopedia of Human and Medical Virology** - Brian W.J. Mahy - 2010-05-21

This volume contains 82 chapters that provide detail and understanding to the fields of human and medical virology. The first section describes general features of common human viruses with specialized chapters related...
requirements and assay performance and interpretation. Critical concepts are carefully curated and concisely summarized and presented with detailed illustrations that aid comprehension, along with important highlights and helpful hints. These features, plus question sections that reinforce significant ideas and key concepts, make this an invaluable text for anyone looking for an accessible route through clinical and diagnostic virology.

Laboratory technologists, medical students, infectious disease and microbiology fellows, pathology residents, researchers, and everyone involved with viruses in the clinical setting will find the Guide to Clinical and Diagnostic Virology an excellent text as well as companion to clinical virology references.

Guide to Clinical and Diagnostic Virology - Reeti Khare - 2020-08-06

The explosion in clinical testing has been especially rapid in virology, where emerging viruses and growing numbers of viral infections are driving advances. The Guide to Clinical and Diagnostic Virology offers a digestible view of the breadth and depth of information related to clinical virology, providing a practical, working knowledge of the wide array of viruses that cause human disease.Introductory chapters cover the basics of clinical virology and laboratory diagnosis of infections, including virus structure, life cycle, transmission, taxonomy, specimen types and handling, and a comparison of assays used for detection. Detailed sections on important topics include viral pathogens and their clinical presentations, diagnostic assays and techniques, including culture-based, immunological, and molecular prevention and management of viral infections, with guidance on biosafety, vaccines, and antiviral therapies. The regulatory environment for laboratory testing, including regulatory requirements and assay performance and interpretation. Critical concepts are carefully curated and concisely summarized and presented with detailed illustrations that aid comprehension, along with important highlights and helpful hints. These features, plus question sections that reinforce significant ideas and key concepts, make this an invaluable text for anyone looking for an accessible route through clinical and diagnostic virology.

Laboratory technologists, medical students, infectious disease and microbiology fellows, pathology residents, researchers, and everyone involved with viruses in the clinical setting will find the Guide to Clinical and Diagnostic Virology an excellent text as well as companion to clinical virology references.
Simian Virology is the first text to comprehensively cover all currently known simian viruses. Chapters provide an overview of non-simian primate models of medically important viral diseases as well as natural infections of nonhuman primates with human and animal viruses. The text covers a variety of topics including primate models of medically important viral diseases such as AIDS, hypotheses on the origins of epidemic forms of HIV, and viral diseases caused by non-simian viruses in both wild and captive primates.

Encyclopedia of Virology, Fourth Edition builds on the solid foundation laid by the previous editions, expanding its reach with new and timely topics. In five volumes, the work provides comprehensive coverage of the whole virosphere, making this a unique resource. Content explores viruses present in the environment and the pathogenic viruses of humans, animals, plants and microorganisms. Key areas and concepts concerning virus classification, structure, epidemiology, pathogenesis, diagnosis, treatment and prevention are discussed, guiding the reader through chapters that are presented at an accessible level, and include further readings for those needing more specific information. More than ever now, with the Covid19 pandemic, we are seeing the huge impact viruses have on our life and society. This encyclopedia is a must-have resource for scientists and practitioners, and a great source of information for the wider public. Offers students and researchers a one-stop shop for information on virology not easily available elsewhere Fills a critical gap of information in a field that has seen significant progress in recent years Authored and edited by recognized experts in the field, with a range of different expertise, thus ensuring a high-quality standard.

Veterinary Virology deals with basic biomedical virology and the clinical discipline of infectious diseases. The book discusses the principles of virology as effecting future developments in the search for preventive and management of infectious diseases in animals, whether singly or as a whole herd or flock. Part I explains the principles of animal virology including the structure, composition, classification, nomenclature, cultivation, and assay of viruses. This part also discusses viral genetics, replication, and evolution (including mutation and genetic engineering). The book also reviews the pathogenesis of viruses, host resistance and susceptibility, as well as the mechanisms of persistent infections and tumor induction. Part II deals with viruses found in domestic animals; this part also explains in detail the properties, replication methods, pathogenesis, immunity, diagnosis, and control of some common viruses. The book discusses some other families of viruses of which no members are yet known as to have caused serious or important diseases in animals. Veterinarians, immunologists, virologists, molecular researchers, students, and academicians in the discipline of virology and cellular biology, as well as livestock owners will find this book helpful.

How Pathogenic Viruses Work - Lauren Sompoyrac - 2002 A clever, accessible overview that uses a survey of 12 of the most common viral infections, to teach the fundamental principles of human virology.

How Pathogenic Viruses Work - Lauren Sompoyrac - 2002 A clever, accessible overview that uses a survey of 12 of the most common viral infections, to teach the fundamental principles of human virology.

Encyclopedia of Virology - Brian W. J. Mahy - 2008 Covers biological, molecular, and medical topics concerning viruses in animals, plants, bacteria and insects this new ed. has been extensively revised and updated to reflect the 50 % increase in identified and accepted viruses since 2000. Includes information on avian flu, SARS and West Nile and the ability of some viruses to be used as agents of bioterrorism.

Encyclopedia of Virology - Brian W. J. Mahy - 2008 Covers biological, molecular, and medical topics concerning viruses in animals, plants, bacteria and insects this new ed. has been extensively revised and updated to reflect the 50 % increase in identified and accepted viruses since 2000. Includes information on avian flu, SARS and West Nile and the ability of some viruses to be used as agents of bioterrorism.

Simian Virology - Alexander F. Voedovin - 2009-08-06 Simian Virology is the first text to comprehensively cover all currently known simian viruses. Chapters provide an overview of nonhuman primate models of medically important viral diseases as well as natural infections of nonhuman primates with human and animal viruses. The text covers a variety of topics including primate models of medically important viral diseases such as AIDS, hypotheses on the origins of epidemic forms of HIV, and viral diseases caused by non-simian viruses in both wild and captive primates.

Principles of Molecular Virology (Standard Edition) - Alan J. Cann - 2001-03-01 Principles of Molecular Virology, Third Edition provides an essential introduction to modern virology in a clear and concise manner. It is a highly enjoyable and readable text with numerous illustrations that enhance the reader's understanding of important principles. This edition has been updated and revised with new figures and text. New to the Third Edition: Viruses and Apoptosis (Chapter 6) Bacteriophages and Human Disease (Chapter 7) Learning objectives for each chapter Pronunciation section in Glossary and abbreviations section (Appendix 1) Key events in the history of virology (Appendix 3) Addition of colour in text and figures to enhance understanding of key points Also: Self assessment questions at the end of each chapter Classification of Subcellular Infectious agents Approx. 20% new material and completely revised throughout Over 120 figures

Principles of Molecular Virology (Standard Edition) - Alan J. Cann - 2001-03-01 Principles of Molecular Virology, Third Edition provides an essential introduction to modern virology in a clear and concise manner. It is a highly enjoyable and readable text with numerous illustrations that enhance the reader's understanding of important principles. This edition has been updated and revised with new figures and text. New to the Third Edition: Viruses and Apoptosis (Chapter 6) Bacteriophages and Human Disease (Chapter 7) Learning objectives for each chapter Pronunciation section in Glossary and abbreviations section (Appendix 1) Key events in the history of virology (Appendix 3) Addition of colour in text and figures to enhance understanding of key points Also: Self assessment questions at the end of each chapter Classification of Subcellular Infectious agents Approx. 20% new material and completely revised throughout Over 120 figures

A Practical Guide to Clinical Virology - L. R. Haehm - 2003-04-04 This Second Edition of A Practical Guide to Clinical Virology is a practical, highly illustrated, quick reference guide to clinical virology. It brings together the essentials of the subject in a entertaining and informative style, describing in turn the clinical features, the symptoms and signs of each of the viral diseases, as well as summarising the epidemiology, laboratory diagnosis and therapy in each case. This book also includes general chapters on classification, diagnosis of infection, antiviral drugs, vaccines and different clinical syndromes. Key Features: Chapter summaries for quick reference Cartoon illustrations Comprehensive coverage Clear and concise format Each chapter is easy to read and well organised, ensuring that this is an invaluable textbook for all medical, biomedical, microbiology and applied biology students. In addition, it provides an excellent reference for nurses, occupational health and infection control departments, public health and diagnostic laboratories.

How Pathogenic Viruses Work - Lauren Sompoyrac - 2002 A clever, accessible overview that uses a survey of 12 of the most common viral infections, to teach the fundamental principles of human virology.

How Pathogenic Viruses Work - Lauren Sompoyrac - 2002 A clever, accessible overview that uses a survey of 12 of the most common viral infections, to teach the fundamental principles of human virology.

Encyclopedia of Virology - Brian W. J. Mahy - 2008 Covers biological, molecular, and medical topics concerning viruses in animals, plants, bacteria and insects this new ed. has been extensively revised and updated to reflect the 50 % increase in identified and accepted viruses since 2000. Includes information on avian flu, SARS and West Nile and the ability of some viruses to be used as agents of bioterrorism.

Encyclopedia of Virology - Brian W. J. Mahy - 2008 Covers biological, molecular, and medical topics concerning viruses in animals, plants, bacteria and insects this new ed. has been extensively revised and updated to reflect the 50 % increase in identified and accepted viruses since 2000. Includes information on avian flu, SARS and West Nile and the ability of some viruses to be used as agents of bioterrorism.

Simian Virology - Alexander F. Voedovin - 2009-08-06 Simian Virology is the first text to comprehensively cover all currently known simian viruses. Chapters provide an overview of non-simian primate models of medically important viral diseases as well as natural infections of nonhuman primates with human and animal viruses. The text covers a variety of topics including primate models of medically important viral diseases such as AIDS, hypotheses on the origins of epidemic forms of HIV, and viral diseases caused by non-simian viruses in both wild and captive primates.
Potential Risks and Benefits of Gain-of-Function Research is the summary of a two-day public symposia on GOF. On October 17, 2014, spurred by incidents at U.S. government laboratories that raised serious biosafety concerns, the United States government launched a one-year deliberative process to address the continuing controversy surrounding so-called “gain-of-function” (GOF) research on respiratory pathogens with pandemic potential. The gain of function controversy began in late 2011 with the question of whether to publish the results of two experiments involving H5N1 avian influenza and continued to focus on certain research with highly pathogenic avian influenza over the next three years. The heart of the U.S. process is an evaluation of the potential risks and benefits of certain types of GOF experiments with influenza, SARS, and MERS viruses that would inform the development and adoption of a new U.S. Government policy governing the funding and conduct of GOF research. Potential Risks and Benefits of Gain-of-Function Research is the summary of the two-day public symposia on GOF research convened in December 2014 by the Institute of Medicine and the National Research Council, the main focus of this event was to discuss principles important for, and key considerations in, the design of risk and benefit assessments of GOF research. Participants examined the underlying scientific and technical questions that are the source of current discussion and debate over GOF research involving pathogens with pandemic potential. This report is a record of the presentations and discussion of the meeting.

A Planet of Viruses - Carl Zimmer - 2015-10-06
For years, scientists have been warning us that a pandemic was all but inevitable. Now it’s here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt—and what we can learn from how we’ve defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are known as to have caused serious or important diseases in animals. Veterinarians, immunologists, virologists, molecular researchers, students, and academicians in the discipline of virology and cellular biology, as well as livestock owners will find this book helpful.

Textbook of Influenza - Robert G. Webster - 2014-01-06
The Textbook of Influenza is a comprehensive resource covering all aspects of influenza, from the genetic and molecularbiology of the virus through to clinical aspects of the disease and the latest drug developments and treatments. The new edition has been completely revised and reflects the integration of disciplines concerning the emergence, evolution, pathogenesis and control of influenza viruses in the field of human and veterinary publichealth. Textbook of Influenza examines the lessons learnt from the latest pandemic and provides the current state of knowledge of many unresolved issues related to virus origin, spread, pathogenesis and disease severity to better prepare for future pandemics. It covers the background to recent advances in influenza genomics and reverse genetics which have allowed the identification of virus virulence factors and the analysis and reconstruction of influenza viruses such as the 1918 Spanish flu strain. This new edition is divided into eight key sections, containing chapters co-written by international experts from both the clinical and scientific communities, covering: • Influenza Perspectives • Structure and Replication • Evolution and Ecology • Epidemiology and Surveillance • Immunology • Vaccines and Vaccine Development • Clinical Aspects and Antivirals • Public Health

Textbook of Influenza is for all those working in the area of influenza including clinical and basic scientists, immunologists, molecular and structural virologists, public health officials and global pandemic control planners.

A Planet of Viruses - Carl Zimmer - 2015-10-06
For years, scientists have been warning us that a pandemic was all but inevitable. Now it’s here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt—and what we can learn from how we’ve defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are responsible for many of our most devastating diseases, and will continue to control our fate for centuries. Thoroughly readable, and, for all its honesty about the threats, as reassuring as it is frightening, A Planet of Viruses is a fascinating tour of a world we all need to better understand.

A Planet of Viruses - Carl Zimmer - 2015-10-06
For years, scientists have been warning us that a pandemic was all but inevitable. Now it’s here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt—and what we can learn from how we’ve defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are responsible for many of our most devastating diseases, and will continue to control our fate for centuries. Thoroughly readable, and, for all its honesty about the threats, as reassuring as it is frightening, A Planet of Viruses is a fascinating tour of a world we all need to better understand.

Textbook of Influenza - Robert G. Webster - 2014-01-06
The Textbook of Influenza is a comprehensive resource covering all aspects of influenza, from the genetic and molecularbiology of the virus through to clinical aspects of the disease and the latest drug developments and treatments. The new edition has been completely revised and reflects the integration of disciplines concerning the emergence, evolution, pathogenesis and control of influenza viruses in the field of human and veterinary publichealth. Textbook of Influenza examines the lessons learnt from the latest pandemic and provides the current state of knowledge of many unresolved issues related to virus origin, spread, pathogenesis and disease severity to better prepare for future pandemics. It covers the background to recent advances in influenza genomics and reverse genetics which have allowed the identification of virus virulence factors and the analysis and reconstruction of influenza viruses such as the 1918 Spanish flu strain. This new edition is divided into eight key sections, containing chapters co-written by international experts from both the clinical and scientific communities, covering: • Influenza Perspectives • Structure and Replication • Evolution and Ecology • Epidemiology and Surveillance • Immunology • Vaccines and Vaccine Development • Clinical Aspects and Antivirals • Public Health

Textbook of Influenza is for all those working in the area of influenza including clinical and basic scientists, immunologists, molecular and structural virologists, public health officials and global pandemic control planners.

A Planet of Viruses - Carl Zimmer - 2015-10-06
For years, scientists have been warning us that a pandemic was all but inevitable. Now it’s here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt—and what we can learn from how we’ve defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are responsible for many of our most devastating diseases, and will continue to control our fate for centuries. Thoroughly readable, and, for all its honesty about the threats, as reassuring as it is frightening, A Planet of Viruses is a fascinating tour of a world we all need to better understand.

A Planet of Viruses - Carl Zimmer - 2015-10-06
For years, scientists have been warning us that a pandemic was all but inevitable. Now it’s here, and the rest of us have a lot to learn. Fortunately, science writer Carl Zimmer is here to guide us. In this compact volume, he tells the story of how the smallest living things known to science can bring an entire planet of people to a halt—and what we can learn from how we’ve defeated them in the past. Planet of Viruses covers such threats as Ebola, MERS, and chikungunya virus; tells about recent scientific discoveries, such as a hundred-million-year-old virus that infected the common ancestor of armadillos, elephants, and humans; and shares new findings that show why climate change may lead to even deadlier outbreaks. Zimmer’s lucid explanations and fascinating stories demonstrate how deeply humans and viruses are intertwined. Viruses helped give rise to the first life-forms, are responsible for many of our most devastating diseases, and will continue to control our fate for centuries. Thoroughly readable, and, for all its honesty about the threats, as reassuring as it is frightening, A Planet of Viruses is a fascinating tour of a world we all need to better understand.
Pathology and Pathogenesis of Human Viral Disease - John E. Craighead - 2000-03-15
Pathology and Pathogenesis of Human Viral Disease is a comprehensive reference that examines virus-induced clinical diseases of humans in the context of the responsible virus and its epidemiology. Encompassing everything from cold and flu viruses to sexually transmitted diseases, this important resource describes the cellular and tissue pathological changes attributable to infection in the context of the pathogenic mechanisms involved. The author provides a comprehensive review of the older and contemporary literature, considering both the common and much rarer complications of infection. Pathology and Pathogenesis of Human Viral Disease is written from the unique perspective of the clinical pathologist. It will help clinicians and pathologists gain a better understanding of changes that occur in viral infected cells, tissues, and organs. It will also serve as a pathology source book for virologists, internists, and pediatricians. Key Features * Provides a comprehensive, worldwide perspective of viral pathogenesis * Bridges the fields of pathology and virology; integrating clinical disease with cell and tissue pathology * Addresses topics from the perspective of the clinical pathologist * Illustrates unique, viral induced pathological lesions * Considers common and uncommon complications of infection

Genetics and Evolution of Infectious Diseases - Michel Tibayrenc - 2017-01-12
Genetics and Evolution of Infectious Diseases, Second Edition, discusses the constantly evolving field of infectious diseases and their continued impact on the health of populations, especially in resource-limited areas of the world. Students in public health, biomedical professionals, clinicians, public health practitioners, and decisions-makers will find valuable information in this book that is relevant to the control and prevention of neglected and emerging worldwide diseases that are a major cause of global morbidity, disability, and mortality. Although substantial gains have been made in public health interventions and control of infectious diseases during the last century, in recent decades the world has witnessed a worldwide human immunodeficiency virus (HIV) pandemic, increasing antimicrobial resistance, and the emergence of many new bacterial, fungal, parasitic, and viral pathogens. The economic, social, and political burden of infectious diseases is most evident in developing countries which must confront the dual burden of death and disability due to infectious and chronic illnesses. Takes an integrated approach (viral infections and infectious diseases) Includes contributions from leading authorities Provides the latest developments in the field of infectious disease

Genetics and Evolution of Infectious Diseases - Michel Tibayrenc - 2017-01-12
Genetics and Evolution of Infectious Diseases, Second Edition, discusses the constantly evolving field of infectious diseases and their continued impact on the health of populations, especially in resource-limited areas of the world. Students in public health, biomedical professionals, clinicians, public health practitioners, and decisions-makers will find valuable information in this book that is relevant to the control and prevention of neglected and emerging worldwide diseases that are a major cause of global morbidity, disability, and mortality. Although substantial gains have been made in public health interventions and control of infectious diseases during the last century, in recent decades the world has witnessed a worldwide human immunodeficiency virus (HIV) pandemic, increasing antimicrobial resistance, and the emergence of many new bacterial, fungal, parasitic, and viral pathogens. The economic, social, and political burden of infectious diseases is most evident in developing countries which must confront the dual burden of death and disability due to infectious and chronic illnesses. Takes an integrated approach (viral infections and infectious diseases) Includes contributions from leading authorities Provides the latest developments in the field of infectious disease

Cured - Nathalia Holt - 2014-02-27
“Nathalia Holt presents a thorough account of the research that provides scientists with hope that a cure will one day be achievable and her empathy shines through in her prose. This is as important a social history as it is a medical document.” —The Daily Beast Two patients—each known in medical history as the Berlin Patient—were cured of the HIV virus. The two patients’ disparate cures came twelve years apart, but Nathalia Holt, an award-
Scientists are known to maintain a professional distance from those they study, but sometimes scientists are not just investigators, they are caregivers, too. Cured illustrates that even in the era of high-tech and big pharma, the kind of hope that the thirty-four million people currently infected with HIV need and a story of ingenuity, dedication, and humanity that will inspire the rest of us.

Cured - Nathalia Holt - 2014-02-27

“Nathalia Holt presents a thorough account of the research that provides scientists with hope that a cure will one day be achievable and her empathy shines through in her prose. This is an important social history as it is a medical document.” —The Daily Beast

Two patients—each known in medical history as the Berlin Patient—were cured of the HIV virus. The two patients’ disparate cures came twelve years apart, but Nathalia Holt, an award-winning scientist at the forefront of HIV research, connects the molecular dots of these cases for the first time. Scientists are known to maintain a professional distance from those they study, but sometimes scientists are not just investigators, they are caregivers, too. Cured illustrates that even in the era of high-tech and big pharma, the way doctors and patients communicate remains a critical ingredient in the advance of this science. Holt offers a kind of hope that the thirty-four million people currently infected with HIV need and a story of ingenuity, dedication, and humanity that will inspire the rest of us.

Using the Biological Literature - Diane Schmidt - 2014-04-14

The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the Biological Literature: A Practical Guide, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

Using the Biological Literature - Diane Schmidt - 2014-04-14

The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the Biological Literature: A Practical Guide, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

Clinical Virology in Oral Medicine and Dentistry - Crispian Scully - 1992

Viruses and viral infections are of increasing importance in oral medicine and dentistry, whether through association with particular orofacial diseases, particularly in immunocompromised patients, or in terms of cross-infection. Clinical practice, however, has frequently failed to adapt to the major advances in recent years in the understanding of the molecular biology, diagnosis, prevention and treatment of viral infections.

Clinical Virology in Oral Medicine and Dentistry - Crispian Scully - 1992

Viruses and viral infections are of increasing importance in oral medicine and dentistry, whether through association with particular orofacial diseases, particularly in immunocompromised patients, or in terms of cross-infection. Clinical practice, however, has frequently failed to adapt to the major advances in recent years in the understanding of the molecular biology, diagnosis, prevention and treatment of viral infections. This highly illustrated reference text bridges the gap between the research laboratory and the clinic. It provides a foundation for the understanding of relevant virology by the student or graduate in dentistry and the dental sciences.

Clinical Virology in Oral Medicine and Dentistry - Crispian Scully - 1992

Viruses and viral infections are of increasing importance in oral medicine and dentistry, whether through association with particular orofacial diseases, particularly in immunocompromised patients, or in terms of cross-infection. Clinical practice, however, has frequently failed to adapt to the major advances in recent years in the understanding of the molecular biology, diagnosis, prevention and treatment of viral infections. This highly illustrated reference text bridges the gap between the research laboratory and the clinic. It provides a foundation for the understanding of relevant virology by the student or graduate in dentistry and the dental sciences.

Principles and Practice of Clinical Virology - Arie J. Zuckerman - 2004-08-13

The knowledge and practice of clinical virology continues to expand. This new fifth edition has thirty-six comprehensive chapters, each of which has been extensively revised or rewritten, with the addition of new colour plates. This updated version takes into account knowledge accumulated in molecular biology with its applications for laboratory diagnosis, immunisation and antiviral chemotherapy. Each chapter highlights the clinical features and epidemiological patterns of infection. Similarly, in response to the global concern of the threat posed by new viruses, a new chapter on Emerging Infections is included. There is also new material on Hospital Acquired Infections, including some advice relating to SARS, that will be of benefit to those dealing with the day-to-day management of patients in hospital.

Principles and Practice of Clinical Virology - Arie J. Zuckerman - 2004-08-13

The knowledge and practice of clinical virology continues to expand. This new fifth edition has thirty-six comprehensive chapters, each of which has been extensively revised or rewritten, with the addition of new colour plates. This updated version takes into account knowledge accumulated in molecular biology with its applications for laboratory diagnosis, immunisation and antiviral chemotherapy. Each chapter highlights the clinical features and epidemiological patterns of infection. Similarly, in response to the global concern of the threat posed by new viruses, a new chapter on Emerging Infections is included. There is also new material on Hospital Acquired Infections, including some advice relating to SARS, that will be of benefit to those dealing with the day-to-day management of patients in hospital.