

1. Record Nr.	UNINA9910808630703321
Titolo	Viral hepatitis // edited by Howard C. Thomas ... [et al.]
Pubbl/distr/stampa	Chichester, West Sussex, : John Wiley & Sons, c2014
ISBN	9781118637333 111863733X 9781118637272 1118637275 9781118637302 1118637305
Edizione	[4th ed.]
Descrizione fisica	1 online resource (642 p.)
Altri autori (Persone)	ThomasH. C (Howard C.)
Disciplina	616.3/623
Soggetti	Hepatitis, Viral Hepatitis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Title page; Copyright page; Contents; List of Contributors; Preface; Section I: Introduction to Liver Biology; Chapter 1: Liver regeneration and fibrosis; Introduction; Liver turnover and regeneration; Kinetic organization; Liver regeneration; Molecular regulation of liver regeneration; Stem cells and liver cancer (founders and propagators); Liver fibrosis; References; Chapter 2: Hepatic immunology; Overview of liver immunology; Innate immunity; Cell populations and mediators in the innate immune response; Inflammation in liver diseases; Adaptive immunity; CD4+ T cells; CD8+ T cells Regulatory T cellsCD17; B cells; The liver is a unique immune organ; References; Section II: Hepatitis A Virus; Chapter 3: Structure, molecular virology, natural history, and experimental models; Introduction; HAV structure and molecular virology; Genomic structure; Translation, polyprotein processing, and protein function; Particle and antigen structure; Growth in cell culture; Viral receptors and cell entry; Replication and release of viral particles; Genetic diversity; Natural history of HAV; Association of HAV infection with the permanent

modulation of immune responses

Pathogenesis of HAVHAV experimental models; Conclusion; References;
Chapter 4: Epidemiology and prevention; Epidemiology; Transmission;
Seroprevalence; Molecular epidemiology; Conclusion: epidemiology;
Prevention; Active immunization; Passive immunization; Future
directions in hepatitis A prevention; Acknowledgment; References;
Section III: Hepatitis B Virus and Other Hepadnaviridae; Chapter 5:
Structure and molecular virology; HBV morphology, life cycle, and
genome organization; Virion morphology: Dane particles; Overview of
the HBV life cycle; Genomic structure and organization
Hepatitis B viral proteinsHBV envelope proteins and HBsAg; Hepatitis B
core protein; HBe proteins; Viral polymerase (Pol); The HBx protein; HBV
life cycle; Infection study models; Attachment, membrane fusion, and
entry; Attachment and infectivity; Formation of cccDNA; Integration of
HBV DNA; Regulation of HBV DNA transcription; Translation; Genome
replication and regulation; Amplification and stability of cccDNA;
Conclusion; References; Chapter 6: Epidemiology and prevention;
Epidemiology; Prevalence; Transmission; Infection and its
complications; Populations at risk for infection
Hepatitis B and specific settingsCo-infections; HBV genotypes;
Prevention; Primary prevention through immunization; Passive
immunization; Active immunization using hepatitis B vaccine; Global
vaccination programs; Clinical and epidemiological impact of hepatitis
B vaccination; Conclusion; References; Chapter 7: Other Hepadnaviridae
(Avihepadnaviridae (DHBV) and Orthohepadnaviridae (WHV));
Hepadnaviridae: Introduction and comparative virology;
Avihepadnaviridae: Classification; Avihepadnaviridae: The exogenous
replication strategy
Development of antihepadnaviral agents: The experimental model of
DHBV

Sommario/riassunto

The 4th edition of Viral Hepatitis covers comprehensively the entire complex field of infections caused by all of the different hepatitis viruses, which affect many millions of people throughout the world with considerable morbidity and mortality. Howard Thomas and Arie Zuckerman are joined by Anna Lok from the USA and Stephen Locarnini from Australia as Editors. They have recruited leading researchers and physicians from many countries, who have produced an authoritative account of current knowledge and research on this important infection, including new insights i
