Hepatitis B virus is a serious global public health problem. Severely cases of HBV can lead to chronic liver disease, including cirrhosis and hepatocellular carcinoma. Previously, HBV genotypes have been classified into eight genotypes (A-H) and because of genome diversity is a hallmark of HBV virus allowed its classification into 10 genotypes (A–J). The major classification of HBV subtype is classified into 4 subtypes or serotypes (adr, adw, ayr, and ayw). The clinical relevance of such genotype is yet unclear. However, because the HBV-induced disease is the resultant of virus-host interaction, the disease characteristics may be influenced by the genotypes of the virus. Varieties of methods have been used to detect HBV genotype including whole or partial genome sequencing, genotype-specific PCR amplification, line probe assay, enzyme-linked immunoassay as well as serological methods.

The author has finished his Bachelor degree in Microbiology from University of Mosul in 1989. His Master degree completed in Biotechnology from University Technology Malaysia in 2011. Finally, His PH.D. degree in Microbiology was completed from University of Mosul in 2015. He is teaching Medical biology and Virology for medical students.

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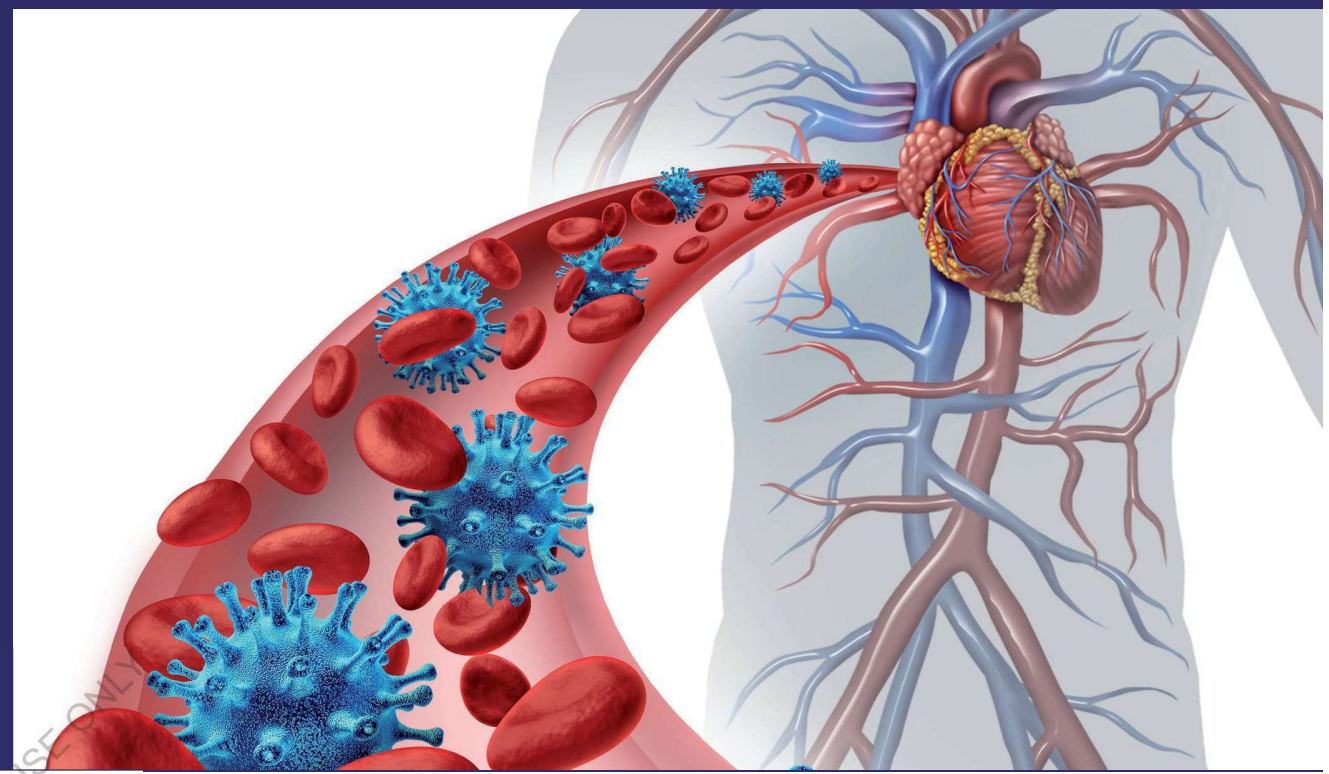
HBV-Geno-subtype



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Hepatitis B virus, Overview, Novel Genotypes & Subtypes

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Preface

The current (First Edition), Hepatitis B virus, Overview & Novel Genotypes & Subtypes consists of 7 parts and 94 pages. This is a manifestation of not only the wealth of new knowledge acquired on this virus infection, but also the discovery of newly-recognized emerging infections, classical and new genotypes. This edition reexamined the overview of the virus like types of infection cases, life cycle, structure, and had explained the ways for treatment and prevention of infections.

This edition emphasizes the rapid accumulation of new information in such fields of immunity, vaccination and types of serotypes of HBV. Moreover, this edition not only offered a new aspects of laboratory diagnostic of the virus and detection of genotypes, but also was designed to explain some mutations within the virus genome.

July, 2019

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