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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 49851

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Tenofovir is a more suitable treatment than entecavir for chronic hepatitis B patients carrying naturally occurring rtM204I mutations

Choe WH *et al.* Anti-HBV therapy for naturally-occurring rtM204I mutations

¹¹ Won Hyeok Choe, Ki Jeong Kim, So Young Lee, Yu Min Choi, So Young Kwon, Jeong Han Kim, Bum Joon Kim

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Efficacy of tenofovir as first-line antiviral therapy in ...

https://www.researchgate.net/publication/275523414_Efficacy_of_tenofovir_as_first-line...

Efficacy of **tenofovir** as first-line antiviral therapy in chronic Hepatitis B infection ... and efficaciousness of TDF in **treating CHB patients** and achieving improvement. ... **entecavir**, and ...

Tenofovir Disoproxil Fumarate (TDF), Emtricitabine/TDF ...

https://www.researchgate.net/publication/49773648_Tenofovir_Disoproxil_Fumarate_TDF...

Request PDF on ResearchGate | **Tenofovir** Disoproxil Fumarate (TDF), Emtricitabine/TDF, and **Entecavir** in **Patients with** Decompensated Chronic Hepatitis B Liver Disease | ...

Tenofovir disoproxil fumarate (TDF), emtricitabine/TDF ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.23952>

Since the initiation of the present study, lactic acidosis has been reported in decompensated CHB **patients** treated with ETV. 30 Of 16 ETV-treated **patients**, lactic acidosis occurred between 4 and 240 days after start of ETV **treatment** in five **patients** (all with MELD scores >20). Four **patients** experienced resolution of lactic acidosis after ...

Cited by: 337

Author: Yun-Fan Liaw, I-Shyan Sheen, Chuan-Mo...

Publish Year: 2011

Management of patients with HBeAg-negative chronic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2599959>

Jan 02, 2006 · Hepatitis B e antigen (HBeAg)-negative CHB is also referred to as anti-HBe-positive and precore mutant hepatitis. **Patients** with HBeAg-negative CHB have a **naturally occurring** mutant form of HBV that does not produce HBeAg because of a mutation in the precore or ...

Cited by: 12

Author: Nripen Saikia, Rupjyoti Talukdar, Subhasi...

Publish Year: 2007

6302: Hep B Flashcards | Quizlet

<https://quizlet.com/151411390/6302-hep-b-flash-cards> ▾

6302: Hep B study guide by Maribel_Garcia488 includes 101 questions covering vocabulary, terms and more. Quizlet flashcards, activities and games help you improve your grades.

Treatment of HBeAg positive chronic hepatitis B ...

<https://www.onlinelibrary.wiley.com/doi/full/10.1111/iv.12078>



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Practical approach in hepatitis B e ... - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4161793>

Sep 14, 2014 · **INTRODUCTION. Chronic hepatitis B (CHB)** remains a prevalent infection worldwide. The World Health Organization estimated that there are **more than 2 billion** people who had been exposed to **hepatitis B** and about 378 million with CHB globally. The introduction of mass neonatal immunization against **hepatitis B** has resulted in a reduction of the number of new cases in some ...

Cited by: 2

Author: Ahmad Najib Azmi, Soek-Siam Tan, Rosm...

Publish Year: 2014

Overview of hepatitis B virus mutations and their ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4698481>

Jan 07, 2016 · **Hepatitis B virus (HBV)** affects approximately two billion people worldwide and more than 240 million people in the world are currently **chronic carrier** that could develop serious complications in the future, like **liver cirrhosis and hepatocellular carcinoma**.

Cited by: 57

Author: Patrizia Caligiuri, Rita Cerruti, Giancarlo I...

Publish Year: 2016

Tenofovir for the Treatment of Hepatitis B Virus | Alice M ...

https://www.researchgate.net/.../26859636_Tenofovir_for_the_Treatment_of_Hepatitis_B_Virus

Since its approval, **tenofovir disoproxil fumarate** has become recognized as a **first-line treatment** option for the **management of chronic hepatitis B infection in both treatment-naïve and treatment ...**

Validation of PAGE-B Model in Asian Chronic Hepatitis B ...

https://www.researchgate.net/publication/316229887_Validation_of_PAGE-B_Model_in_Asian...

Request PDF on ResearchGate | Validation of PAGE-B Model in Asian **Chronic Hepatitis B Patients** Receiving **Entecavir** or **Tenofovir** | Background & aims: A new hepatocellular carcinoma (HCC) risk ...

Chronic hepatitis B virus infection - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0140673618318658>



12,100 Results Any time ▾

Practical approach in hepatitis B e antigen-negative ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4161793>

Sep 14, 2014 · The natural history of chronic hepatitis B is characterized by different phases of infection, and patients may evolve from one phase to another or may revert to a previous phase. The hepatitis B e antigen (HBeAg)-negative form is the predominant infection worldwide, which consists of individuals ...

Cited by: 2 Author: Ahmad Najib Azmi, Soek-Siam Tan, Ros...

Publish Year: 2014

Tenofovir for the Treatment of Hepatitis B Virus | Alice M ...

https://www.researchgate.net/.../26859636_Tenofovir_for_the_Treatment_of_Hepatitis_B_Virus

Tenofovir disoproxil fumarate and entecavir were licensed for the treatment of hepatitis B virus infection. We evaluated the first 12 months of chronic hepatitis B treatments with tenofovir and ...

Overview of hepatitis B virus mutations and their ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4698481>

Jan 07, 2016 · Hepatitis B virus (HBV) mutations have been found both in acute and chronic patients and in all the four HBV open reading frames (ORFs - preS/S, polymerase, preCore/core, and X). The preS/S ORF codes for three different surface molecules that form the surface antigen (HBsAg).

Cited by: 57 Author: Patrizia Caligiuri, Rita Cerruti, Giancarlo I...

Publish Year: 2016

Antiviral resistance and hepatitis B therapy - Ghany ...

<https://onlinelibrary.wiley.com/doi/abs/10.1002/hep.22900>

Qian Zhang, Tao Han, Cai-Yun Nie, Fu-Shuang Ha, Lei Liu and Hua Liu, Tenofovir rescue regimen following prior suboptimal response to entecavir and adefovir combination therapy in chronic hepatitis B patients exposed to multiple treatment failures, *Journal of Medical Virology*, 87, 6, (1013-1021), (2015).

Cited by: 229 Author: Marc G. Ghany, Edward C. Doo

Publish Year: 2009

Chronic hepatitis B virus infection - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S0140673618318658>

By contrast, entecavir and tenofovir have a high barrier to resistance and should therefore be exclusively used to treat chronic hepatitis B. 19 Three mutations must be present for entecavir resistance to occur, including rLeu180Met, rMet204Val, and one of rThr184Gly/Ser, rSer202Ile/Gly, or

Hepatitis B

Medical Condition

Image for Condition

A serious infection of the liver caused by hepatitis B virus (HBV).

- Common (More than 200,000 cases per year in US)
- Transmitted through direct contact
- Usually preventable by vaccine
- Often requires lab test or imaging
- Treatments can help manage condition, no known cure
- Can be lifelong

An infection caused by HBV that affects the liver. Spreading through exposure to virus by blood, semen, saliva, or vaginal fluids, the virus is transmitted through unsafe sexual practices and from an infected mother to her child. Symptoms include loss of appetite, nausea, body aches and fever progressing to jaundice. Chronic form of the infection is not curable, but HBV is preventable by vaccination.

Symptoms

Common symptoms are:

- Pain in the area of liver or abdominal pain
- Dark urine