

# 만성 B형 및 C형 바이러스성 간염 치료의 최근 경향

## Antiviral Treatment of Chronic Hepatitis B and C : Current Update

16 - 5

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### Abstract

The treatment of chronic viral hepatitis is aimed to prevent the progression to cirrhosis and hepatocellular carcinoma, eventually increasing the survival of the patients through biochemical, virological, and histological improvement. Recently, international and domestic consensus on management guidelines for chronic viral hepatitis B and C have been announced and recommended. Interferon -  $\alpha$ , lamivudine, or adefovir dipivoxil, approved by FDA, can be used in the treatment of chronic hepatitis B according to the patient and virus characteristics, while the internationally standardized antiviral regimen for chronic hepatitis C is a combination therapy of pegylated interferon -  $\alpha$  and ribavirin. Among these antiviral agents, adefovir dipivoxil, a nucleoside analogue of adenosine monophosphate, is known to be effective in treatment of chronic hepatitis B with the lamivudine - resistant YMDD mutant. The antiviral treatment of chronic viral hepatitis can be individualized to get the maximal treatment effect in a cost - effective manner through taking consideration of the patient status, side effects of antiviral agents, administration route, insurance criteria, and the patient's motivation toward medical treatment.

**Keywords :** Chronic hepatitis B; Chronic hepatitis C; Antiviral treatment

핵심용어: B ; C ;

가  
가  
가  
가  
가  
B 가 B  
(hepatitis B virus, HBV) 가  
5~8%  
. 2000 2003  
- (Asian Pacific Association for the  
Study of the Liver, APASL), (American  
Association for the Study of Liver Diseases, AASLD)  
(European Association for the Study of  
the Liver, EASL) B 가

2004 (The Korean Association for The Study of The Liver, KASL) ,

B 가 B

(1~6).

C B

(hepatitis C virus, HCV) 0.4~2.1%

2002 9

10~12% HCV가 C FDA

B

. 1999 2002

(National Ins-

titutes of Health, NIH) C B

(international consensus conference)가 , HBeAg HBV - DNA가

2004 C (10<sup>5</sup> copies/mL) ALT가 2

가 . 2004 B

B C 가

(7~10).

B C 3

가 1. (Interferon )

500~600 3 , 6

1

B 500 3 , 1,000

4 (11~14).

B 가 B

가

30% HBeAg

HBV - DNA alanine aminotransferase ALT 가 (responder)

(ALT) , ALT , HBeAg

12%

(vertical transmission) 가 2. (Lamivudine)

(immune nucleoside analogue B

tolerance phase)가 (reverse transcriptase)

가

40% cccDNA(covalently closed circular DNA)

3~6

(100mg/day) 1

2

가

ALT 가 ,

HBV - DNA 가 , HBeAg B HBV - DNA ALT 가 HBeAg ,

HBV - DNA ALT 가

HBV - DNA

(11, 12). 2 90% 1

97% . HBeAg

가 1 , 2 , 3 , 4 16%, 29%, 40%, 47%

6 가

(15, 16).

1 1 가 B

3 HBeAg (precore mutant)

B

가 . HBeAg

HBV - DNA ALT

HBeAg

. HBeAg

가

(13, 14).

가

6

가

1

가

가

3. (Adefovir Dipivoxil)

adenosine monophosphate nucleotide analogue DNA polymerase chain terminator

merase YVDD YIDD 가 가 , YVDD YMDD (YMDD mutant) YMDD T

6 (10mg/day)

1 , 2 , 3 , 4 24%, 42%, 53%, YMDD 가

70%

YMDD 가 (rescue therapy)

HBV - DNA가 (viral breakthrough) YMDD

(17, 18). (19 ~ 24).

YMDD B

가

HBeAg B

HBeAg 가

(25, 26).

가 HBeAg 16%, 17%, 11%, 6% 가

가

가

(27). 30mg C  
(nephrotoxicity) 가 10mg C  
HCV RNA가  
가가 ALT가  
2004 10 2  
1. (Pegylated Interferon )  
C 1  
4. B 3  
가 entecavir,  
telbivudine(L - dT), clevudine(L - FMAU), emtrici-  
tabine(FTC) C  
가 2a(Pegasys, 40kd,  
Roche) 2b(Peg - intron, 12kd,  
Scherring - Plough)가  
2a 180g  
2b kg 1.5g 1  
가  
C HCV 1  
48 , 2, 3 24  
C 가 (30 ~ 32).  
polyethylene glycol C  
C HCV  
HCV RNA , ,  
(sus-  
tained virologic response, SVR) 55%  
(9, 28, 29). 가 (30).

12 C 2  
(early virologic response, EVR) (nonresponse) (relapse) 가 .

B C  
(biochemical), (virologic)  
(histologic)

2. (Ribavirin) 가 B C 가  
guanosine 가 C 가  
가 HCV RNA 가  
1 HCV , , ,  
75kg 1,000mg 1,200mg , 2, -  
3 800mg (30 ~ 32). .

CBC

가 6  
(35, 36).

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