

AHF Hepatitis B 1-2-3 Pocket Guide Updated HBV Screening Recommendations

Step 1:

Who to screen

- * All persons born in Asia or Pacific Islands, regardless of their vaccination status
- * All US-born persons not vaccinated as infants whose parents were born in Asia or Pacific Islands
- * Family members and household or sexual contacts of HBV carriers
- * Persons who will be receiving cancer chemotherapy or long-term immunosuppressive therapy
- * Persons with unexplained abnormal liver test

Step 2:

What blood tests to order

Hepatitis B surface antigen (HBsAg), Hepatitis B surface antibody (anti-HBs), and Hepatitis B core antibody total (anti-HBc)

Step 3:

How to interpret the screening test results

HBsAg	anti-HBc Total	anti-HBs	
+	+	+/-	Evaluate for CHB
-	+	+	Immune
-	+	-	**
-	-	-	Administer HBV vaccine

*Based on the recent update from the CDC: Recommendations for Identification and Public Health Management of Persons with Chronic Hepatitis B Virus Infection. *MMWR* 2008;57(RR-8):1-20.

(Please read full article for more information or speak to a liver specialist)

** Interpretation unclear; four possibilities: 1. Resolved infection (most common), 2. False-positive anti-HBc, thus susceptible, 3. "Low level" chronic infection, 4. Resolving acute infection

For more information about the AHF, hepatitis B, liver cancer, and CME, please visit: www.HepBCME.tv.

Step 1:

Who requires hepatocellular carcinoma (HCC) Surveillance

- * Asian men over 40 years
- * Asian women over 50 years
- * Persons with cirrhosis
- * Persons with a family history of HCC
- * Africans over 20 years
- * Any carrier over 40 years with persistent or intermittent ALT elevation and/or high HBV DNA level >2,000 IU/ml

Step 2:

What tests to order

- * Ultrasound (US) every 6-12 months, may add serum alpha fetoprotein (AFP) if US is not of high quality

Step 3:

How to manage persons with abnormal results

Refer to specialists
immediately for evaluation.

Early diagnosis increases
treatment options and improves
outcomes.

*Based on the 2007 American Association for the Study of Liver Diseases (AASLD) Practice Guidelines for Chronic Hepatitis B *Hepatology* 2007; 45: 507-539.

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