

# **ECHO HBV**

**Initial Evaluation of patients with Chronic  
Hepatitis B**

**September 19 2022**

# Initial Evaluation of the Patient with Hepatitis B

## --HBsAg (+)

- Obtain Database Include :Demographics, Clinical history, Laboratory, Imaging reports.
- Assess the disease activity.
- Assess the stage of disease in relation to the **Complex** and **Dynamic** natural history of chronic hepatitis B infection evolved through several phases.
- Formulate treatment strategy, Long Term Management Plan.

# Demographics

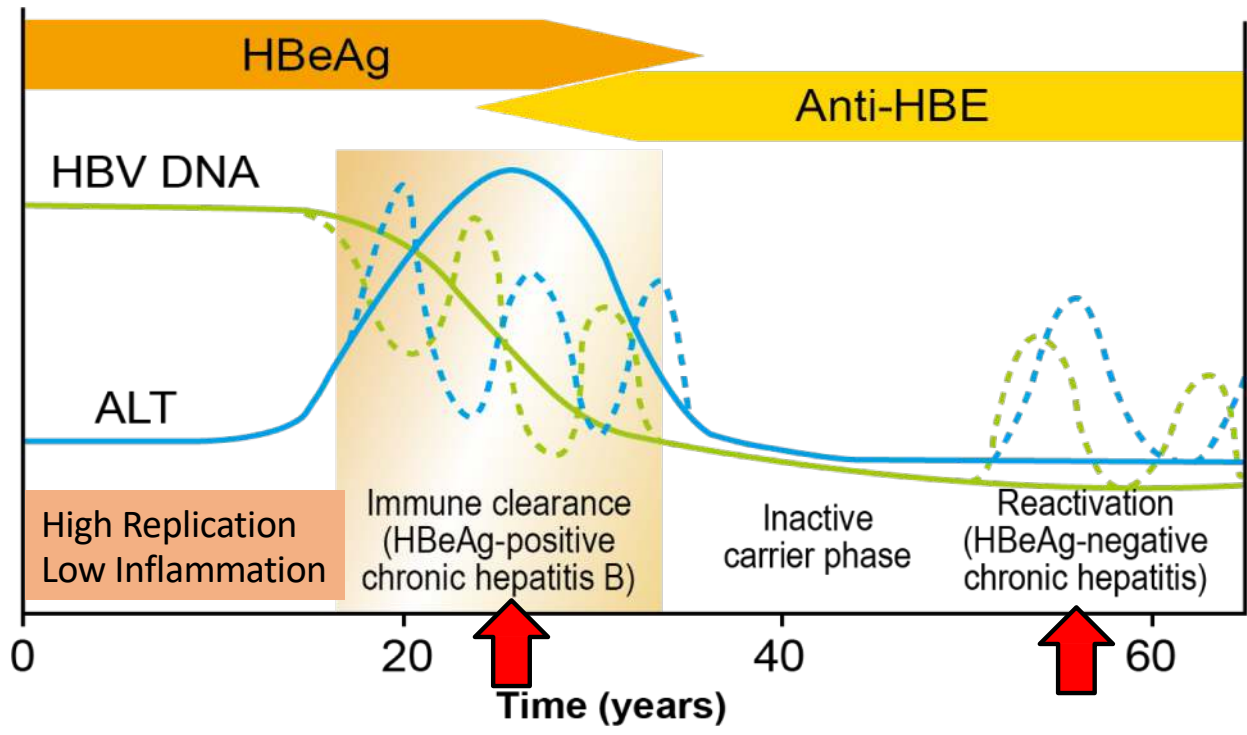
- Gender:
- Year of birth:
- Place of birth:
- Ethnicity:
- Year coming to US/Vaccination status:
- Family History: Chronic Hepatitis B, Hepatitis B related cirrhosis, and hepatocellular carcinoma.
- Individual risks: Blood product transfusion(where and when),Substance use disorder, other parenteral risk factor, dialysis, high risk sex.
- Alcohol use: None, social, moderate, heavy.
- Tobacco use:
- BMI:

# Clinical history

- Cirrhosis: Based on what assessment, Ultrasound, Fibroscan, FIB-4, FibroScan, Biopsy, physical examination.
- Fatty Liver:
- Diabetes Mellitus/Hyperglycemia:
- Hypertension:
- Dyslipidemia:
- Anti-viral therapy/date started/name:
- Prior Interferon therapy:
- Other medications, herbal product, supplement:

# Laboratory

- HBeAg/HBeAb
- HBV DNA/Genotype/mutations:
- Comprehensive Metabolic Panel to include (ALT/AST/Albumin/Bilirubin/Phosphorus), CBC with Diff/Platelet/:
- AASLD definition of Upper Limits of Normal ALT is:  $\leq 25$  in female,  $\leq 35$  in male.
- AFP:
- HCV-Ab
- HIV Ab
- HDV Ab
- HAV Ab total
- Urinalysis
- Imaging: Ultrasound.



Modified from Zakim and Boyer's Hepatology 7<sup>th</sup> Edition Chapter 32

## Summary:

- Chronic hepatitis B can not be correctly classified with reliability based on a single assessment.
- Serial testing for liver enzymes and HBV DNA is almost always helpful.
- If needed, frequent initial re-testing may be necessary.
- Decision to initiate follow ups and treatment should be based on the trends and context of patient's condition.