HEPATITIS B CARE

HEP B FOLLOW UP LABS

Every 6 months:
- Liver function tests, HBsAg, and AFP
- HBV DNA for those with previous HBV DNA above 1000 IU/mL or elevated ALT or AST, and those with hepatocellular carcinoma (HCC), family history of HCC, on antiviral therapy

Yearly:
- HBV DNA, CBC

RUQ ULTRASOUND EVERY 6 MONTHS

- Men ≥ age 40
- Women ≥ age 50
- Persons with AFP >10 (Note: if female under age of 50, screen for pregnancy first).
- Family history of HCC
- Previous HCC
- Advanced liver fibrosis (Metavir F3 or F4 fibrosis)

WHO NEEDS HEPATITIS B TREATMENT – CONSULT LIVER DISEASE SPECIALIST FIRST

- Those with HBV DNA > 20,000 and ALT > 2x ULN normal
- If liver biopsy shows moderate or greater inflammation or fibrosis
- Screen patients starting cancer chemotherapy or immunosuppressive therapy for HBsAg and HBcAb. If HBsAg+ and HBcAb+, consult liver disease specialists before beginning therapy. Place those who are HBsAg+ on tenofovir or entecavir.
- Those with history of HCC with any detectable HBV DNA
- Persons with moderate to advanced liver fibrosis (Metavir F2 or F4)
- HBV DNA > 2000 IU/mL and elevated ALT with FibroScan > 12kPa in persons who have not had a liver biopsy

GOT A QUESTION? WHO TO CALL

Liver Disease & Hepatitis Program – 907-729-1560 or 800-655-4837 and ask for a provider or hepatitis B nurse:
- Susan Negus, RN – 907-729-1566 (W-R-F)
- Mary Snowball, RN – 907-729-1564 (T-W)
## Interpretation of Hepatitis B Labs

<table>
<thead>
<tr>
<th>Acute Hepatitis B Infection</th>
<th>Hepatitis B Carrier/Chronic Infection</th>
<th>Previous Exposure with Immunity</th>
<th>Vaccination with Immunity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-HBs -</td>
<td>Anti-HBs -</td>
<td>Anti-HBs +</td>
<td>Anti-HBs +</td>
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<tr>
<td>HBsAg +</td>
<td>HBsAg +</td>
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<td>HBsAg -</td>
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<tr>
<td>IgM anti-HBc +</td>
<td>Anti-HBc Total +</td>
<td>Anti-HBc Total +</td>
<td>Anti-HBc Total -</td>
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</tbody>
</table>

### Other Names for These Labs/Definitions

- **HBsAg** = Surface Antigen. Positive = Infection
- **Anti-HBs** = Surface Antibody. Positive = Immunity
- **Anti-HBc Total** = Core Antibody. Infection memory. Positive at onset of hepatitis B infection (acute and chronic) and persists through life
- **IgM anti-HBc** = IgM Antibody. Only present during **acute** hepatitis B infection