

# UW Medicine | VALLEY MEDICAL CENTER

## Ambulatory Care Pathway: Hepatitis B

### Inclusion Criteria for Hepatitis B Screening

- Household contacts or sex partners of persons with hepatitis B
- Injection drug users\*
- Men who have sex with men
- Persons who are positive for HIV
- Persons born in regions with  $\geq 2\%$  prevalence of chronic hepatitis B (e.g., Africa, Asia, Eastern Europe)
- Persons born in the United States who were not vaccinated as infants and whose parents are from regions with  $\geq 8\%$  prevalence of chronic hepatitis B
- Pregnant women\*
- Infants born to mothers positive for hepatitis B surface antigen
- Donors of blood, plasma, organs, tissue, or semen
- Persons on hemodialysis, cytotoxic therapy, or immunosuppressive therapy
- Persons who are sources of blood or bodily fluids that may expose others, requiring postexposure prophylaxis
- Persons with elevated alanine or aspartate transaminase levels of unknown etiology

Order Chronic hepatitis panel<sup>1</sup>

Is hep B surface antigen positive?

Yes

Add Chronic Hepatitis B to the problem list

Refer to GI or ID

Consider ordering labs for workup prior to visit with specialist

- HBV DNA Viral load
- Hep B E antigen and antibody
- CMP
- CBC
- AFP
- HIV

Is hep B core antibody positive?

Yes

Add Hepatitis B Core Positive to the problem list

Is patient immunocompromised and at risk for reactivation<sup>2</sup>

No

Re-evaluation as need if patient becomes immune compromised, acute liver dysfunction, and/or chronically elevated LFTs

No

No

Negative for acute/chronic hepatitis B infection

Is hep B surface antibody positive?

Yes

Immune

No

Recommend hepatitis B vaccination

### 1. Chronic Hepatitis Panel - Interpretation of Positive Results

- Hep A Antibody → Immunity (If Hep A Antibody is negative, consider vaccination)
- Hep B surface antigen → Acute/Chronic Infection
- Hep B surface antibody → Immunity/Recovered from past Infection
- Hep B core antibody → Acute/Chronic/Recovered Infection
- Hep C antibody → Refer to Hepatitis C Care Pathway

### 2. Risk Factors for Reactivation

Chronic prednisone > 20mg/day, biologic immunosuppressant, active cancer, HIV +,

\*These patients should also be considered for Hepatitis C screening

### Epic Tools

- ✓ GEN Hepatitis B CPG VMG Smartset

Long term care/surveillance can be completed by specialist or PCP – US Abdomen Limited + AFP Tumor Marker (Screening for hepatocellular carcinoma) is recommended every six months for the following populations with chronic HBV infection:

- Asian and black males > age 40
- Asian females > age 50
- African black > age 20
- Coinfection with hepatitis D
- First degree relative with HCC