Acute Viral Hepatitis Algorithm*

**Hepatitis A**
- Anti-HAV, IgM +

**Acute Hepatitis A**

**Hepatitis C**
- Anti-HCV +

**See Hepatitis C Algorithm**

**Acute Viral Hepatitis Panel**
- Anti-HAV, IgM
- HBsAg
- Anti-HBC, IgM
- Anti-HCV

**Hepatitis B**

**No Evidence of Hepatitis B**
- NO

**Acute Hepatitis B** (Core Window)
- NO

**Acute Hepatitis B** (or reactivation)
- NO

**Very Early Acute Hepatitis B**
- NEG

**Chronic Hepatitis B or Carrier State**
- POS
Chronic Viral Hepatitis Algorithm*
(Symptoms present > 6 months)

Hepatitis A

- Anti-HAV, Total +

- Past Infection or Vaccine Response

No Evidence of Hepatitis B

Hepatitis B Immunity (Previous Vaccination)

Hepatitis B Immunity (Previous Infection)

Chronic Hepatitis B

- HBeAg +
- Anti-HBe +
- HBV DNA PCR
  - HBV Genotyping

Chronic Viral Hepatitis Panel
- Anti-HAV, Total
- HBsAg
- Anti-HBc, Total
- Anti-Hbs
- Anti-HCV

Hepatitis C

- Anti-HCV +

See Hepatitis C Algorithm

HBsAg - Anti-HBc, Total - Anti-HBs -

HBsAg - Anti-HBc, Total - Anti-HBs +

HBsAg - Anti-HBc, Total + Anti-HBs +

HBsAg + Anti-HBc, Total + Anti-HBs -

Active Infection, High Infectivity

Possible Resolution, Lower Infectivity

Monitor Therapy

Hepatitis C Algorithm

Positive Anti-HCV Screen

NEGATIVE

Not actively infected. Either recovered from previous infection OR False-positive anti-HCV screen

POSITIVE

HCV RNA Quantitative Real-Time PCR

Active Infection

Chronic HCV Infection

HCV Genotyping

Treatment Decision

Treatment monitoring by HCV RNA Quantitative Real-Time PCR

Hepatitis D Algorithm*

If HBV Positive Consider a Test for HDV Ab

1. HDV Ab -
   - HDV Infection Unlikely

2. Anti-HBc, IgM + HDV Ab +
   - HBV with HDV Coinfection

3. Anti-HBc, IgM – HDV Ab +
   - HBV with HDV Superinfection

Diagnosed Chronic HBV/HDV Infection

- HBV DNA PCR (Quant)
- HDV RNA PCR (Qual)

Monitor Therapy