Hepatitis E: Testing Algorithm for Diagnosis and Management

Immunocompetent patients with abnormal liver enzyme levels and at risk for hepatitis E virus (HEV)

- HEVM / Hepatitis E Virus IgM Antibody Screen with Reflex to Confirmation, Serum
  - Reactive antibody result automatically reflexes to antibody confirmation test

  - REACTIVE
    - Automatic reflex to HEVML / Hepatitis E Virus IgM Antibody Confirmation, Serum
      - POSITIVE
        - Active HEV infection
      - NEGATIVE
        - Request HEVQU if abnormal liver enzyme levels persist without alternative diagnosis
  - NEGATIVE
    - Request HEVQU if abnormal liver enzyme levels persist without alternative diagnosis

Immunocompromised patients (organ transplant recipients with unexplained abnormal liver enzyme levels) with or without risk factors for hepatitis E

- HEVQU / Hepatitis E Virus RNA Detection and Quantification, Real-Time RT-PCR, Serum
  - ANY VIRAL LOAD
    - Active HEV infection
  - NEGATIVE
    - No evidence of active HEV infection

Patients with possible resolved hepatitis E (normal or near normal liver enzyme levels)

- HEVG / Hepatitis E Virus IgG Antibody, Serum
  - NEGATIVE
    - No evidence of active HEV infection