**Workup of Elevation of Alkaline Phosphatase**

3x ALT and 1.5x ULN
On 2 or More Occasions
At least 3 months apart

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### Consider in Differential Diagnosis:

- **Cholestasis due to blockage**
- **Non-Alcoholic Fatty Liver Disease**
- **Primary Biliary Cirrhosis**
- **Primary Sclerosing Cholangitis**
- **Alcohol Abuse**

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**Painful**

- RUQ US and Surgical Consult

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**History and Physical Exam**

- RUQ US to assess ductal dilatation

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**Painless**

- Liver function tests, GGT, AMA, IgM

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**If positive**

- Negative workup, Review meds and alcohol; stop these
- Consider GI Consult, MRCP/ERCP

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**If GGT is normal**

- Etiology is not hepatobiliary
- Positive AMA or IgM (possible PBC).
  - Refer to Liver/GI Specialist for liver biopsy

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**If no offending drugs**

- No offending drugs

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