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Flowchart for elevated bilirubin (in adults)

(GP)

Elevated bilirubin (> 20 umol/L)

↑ ALK and GGT ⇒ cholestatic picture?
↑ ALT ⇒ hepatocellular picture?
↑ ALK, GGT, ALT ⇒ mixed picture?

Further investigations eg
Drugs / EtOH
Amylase
Viral serology
Radiology
Autoantibody screen
Metabolic screen

Persistent isolated elevated bilirubin

Check

Haemolysis screen (serum and EDTA)
Conjugated bilirubin (serum)
UGT1 genotype (EDTA)

Conjugated Hyperbilirubinaemia

Dubin-Johnson syndrome
Rotor syndrome

Unconjugated Hyperbilirubinaemia

Gilberts Syndrome
Haemolysis

Haemolysis

Increased reticulocyte count
Reduced haptoglobin
Discuss with Haematology Dept

Gilberts syndrome = defect in promoter region of gene encoding UGT1

Chronic, mild unconjugated hyperbilirubinaemia in the absence of overt haemolysis or evidence of structural or functional liver disease