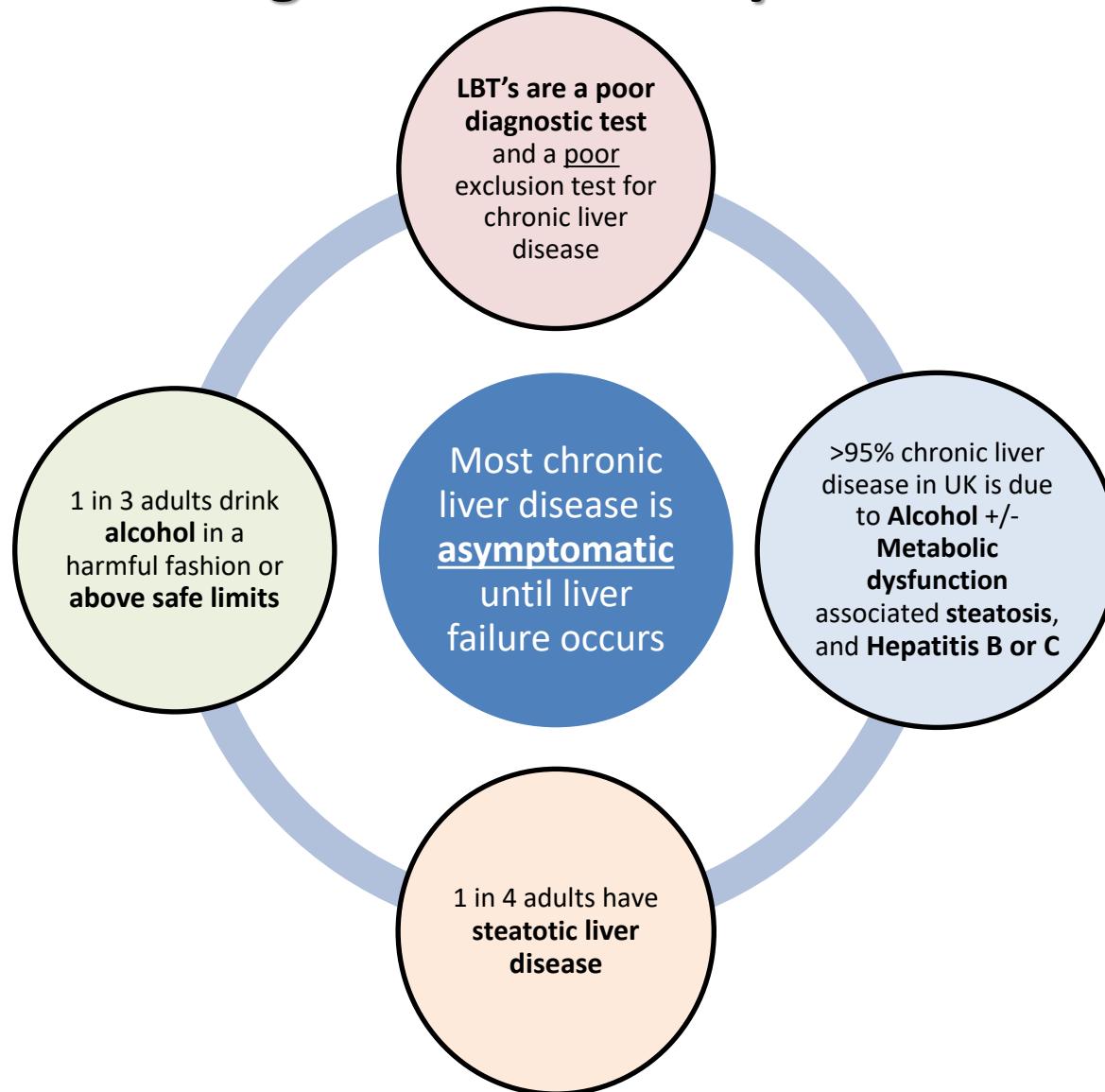


Liver Disease and Liver Blood Tests: A guide for Primary Care



Isolated ↑Bilirubin

Conjugated/
Unconjugated
Bili

Unconjugated
↑ Bilirubin

Conjugated
↑ Bilirubin

Retic. count &
Haptoglobin

Abnormal

Normal

Refer
Haematology

Gilbert's
[British Liver](#)
[Trust](#)

Isolated ↑ALP <1000

GGT

Normal

Raised

?Bone origin
Check Vit D

ALP<2xULN
No Symptoms

ALP>2xULN
OR weight loss /
biliary pain

Repeat 3
months

Normal

Abnormal

Repeat at
12 months

Ultrasound &
NILS*

ALT 200-00

ALT<200

Drug history, risk
factors for viral
hepatitis, family
history, co-morbidities

Isolated ↑ALT;
may not be from
liver. Consider CK,
TSH, anti- tTg.

[AUDIT-C](#)
[NICE CKS](#)

Assess alcohol use

> 14 units / week

< 14 units / week

- Advise abstinence
- Address metabolic risk factors
- Repeat ALT in 1 month

Metabolic risk factors:
• BMI
• Diabetes
• Hypertension
• Dyslipidaemia

Abnormal

Normal / Improving

[FIB-4](#), NILS*, ultrasound

Monitor
Primary Care

Suspected **STEATOTIC LIVER DISEASE**
(refer to page 3)

Send Hepatology Advice & Guidance – typical response within 72h

**ALP >1000 and / or ALT >600 and / or
jaundice with ANY elevation in ALP or ALT**

Contact on-call Gastro Reg via
York Hospital switchboard

*NILS = Non-Invasive
Liver Screen
Request in ICE

Management of suspected Steatotic Liver Disease

SLD suggested by metabolic risk factors and / or excess alcohol consumption and negative NILS

Determine risk of advanced fibrosis:
Calculate [Fib-4](#) score
(ALT, AST, platelets, age required)

**FIB-4
>3.25**

Risk of advanced fibrosis

REFER TO HEPATOLOGY CLINIC

- For assessment of liver disease
- For management of advanced fibrosis
- Screening and treatment of Portal Hypertension
- HCC screening and management

**FIB-4
1.3-3.25**

FIBROSCAN*

**≥10kPa
(or invalid scan)**

<10kPa

***FIBROSCAN = direct access**

**FIB-4
< 1.3**

**Low risk of
advanced fibrosis**

MANAGE IN PRIMARY CARE

- Address metabolic risk factors
 - BMI / DM / BP / lipids
- Address alcohol use
- Reassess (with FIB-4) every three years