

## Common clinical clues and diagnosis for Abnormal LFTs

Clinical Clue	Diagnosis	Initial test	Additional tests
AST>ALT, MCV	Alcoholic liver disease		
Drug / herbal remedy history	Drug induced liver disease		
IV /intranasal drug misuse. Blood transfusion. Tattoos	Chronic hepatitis B	HBs Ag	HBeAg/eAb HBV DNA
	Chronic hepatitis C	HCV Ab	HCV RNA
Raised ALP +/-	Primary biliary cirrhosis	AMA, IGM	
Inflammatory bowel disease	Primary sclerosing cholangitis	ANCA	
Other autoimmune disease	Autoimmune hepatitis	ASMA, ANA	
Diabetes/joint pain Pigmentation	Haemochromatosis	↑ Serum Fe / TIBC	
		↑ Trans Sat %	Haemochromatosis genotype test
		↑ ferritin	
Neurological signs	Wilson's disease	↓Caeruloplasmin	↑ 24hr urinary Copper
Lung disease	Alpha 1 antitrypsin	↓α1 antitrypsin level	α <sub>1</sub> antitrypsin phenotype
Metabolic syndrome (BMI, diabetes, hypertension)	Non-alcoholic fatty liver disease		

