

Hepatoma (Hepatocellular Carcinoma)

Primary HCC → starts in liver

Secondary HCC → starts in Colon, lung, Pancreas, Breast

Risk Factors

① Cirrhosis causes.

A → Alcohol, Non-Alcoholic liver Disease

B → Biliary cirrhosis, cholangitis, Cystic Fibrosis

C → Chronic venous outflow obstruction, Cryptogenic,

Chronic liver Hepatitis (B & C)

D → Genetic → Haemochromatosis, Wilson's disease,

α₁ antitrypsin, Gilbert syndrome -

E → Autoimmune liver disease, sclerosing cholangitis

② Aflatoxins - Produced by foods when damp

↳ Grains, peanuts and vegetables.

Pathology

Repeated Injury → Mutation in P53 tumour suppressor gene
↓
Tumour → Metastasis

Clinical Features:

Cirrhosis symptoms marks the HCC symptoms
So asymptomatic

- Ascites & Hepatomegaly & Budd-Chiari syndrome
- Abdominal pain, fever.

Investigation & Biomarkers

↑ Alpha Feta protein in 60%.

↳ Fetal plasma, Viral Hepatitis B & C,

↑ SGPT & ALP & GGT

- Ultrasound, CT, Biopsy, Angiogenesis

Prevention

- Screening by ALP, Haemochromatosis, HBsAg.

Treatment - Survival lower.

- Liver Transplant