

Acute liver failure

viral hepatitis
drugs **massive necrosis**

fast encephalopathy

Alcoholic liver disease

CYP2E1

chinese
facial flushing, tachycardia &
hyperventilation



Hepatic steatosis

soft yellow & greasy
reversible

Alcoholic cirrhosis

Irreversible Laennec

 lower dehydrogenase

Less than 10% unchanged
Chinese facial flushing

cirrhosis

Portal hypertension

Diffuse

I & III collagen in space of Disse

Upper GIT bleeding = death

Splenomegaly = thrombocytopenia

Chronic liver disease

ending in cirrhosis

Hepatic dysfunction

tetracycline pregnancy

Reye syndrome

Fetor hepaticus bleeding  2-7-9-10

Palmar erythema

 **albumin**  **ammonia**  **estrogen**

Alcoholic hepatitis

swelling & necrosis

Mallory-hayline bodies

Neutrophilic reaction

portal hypertension

Massive fatty change Cirrhosis sarcoidosis, TB

Ascitis encephalopathy

caput medusae

Hepatic encephalopathy

Asterixis Seizures Rigidity
Brain edema

Unpredictable drugs

الو ؟ هلو ! سيلفي كلو مثل الضيوف

Chlorpromazine

Halothane

Sulfonamides

Methyldopa

Allopurinol

Cholestatic



Contraceptive and anabolic steroids

massive necrosis



Acetaminophen, halothane

هلو مس ! الست امينة ؟

chronic necrosis : TB : Isoniazid

Cholestatic hepatitis

with inflammation =antibiotics; phenothiazines

Spotty hepatocyte necrosis

Methyldopa, phenytoin
سبوت ميت ! فين ؟

Steatosis

Ethanol, methotrexate,
corticosteroids,
total parenteral nutrition



meet paco steak

Steatohepatitis:Mallory bodies : Amiodarone, ethanol

Granulomas :non-caseating : Sulfonamides

Fibrosis & cirrhosis

Methotrexate, isoniazid, enalapril



needs fiber

adenoma

Budd-Chiari = Oral contraceptives



شيري

dilatation

Peliosis hepatis

Anabolic steroids tamoxifen
oral contraceptive danazol



HCC
Cholangiocarcinoma
Angiosarcoma

Thorotrast,
vinyl chloride

Autoimmune Hepatitis

immunologic abnormalities
immunosuppressive therapy
autoantibodies

Nonalcoholic Fatty Liver Disease

2 DM Obesity Dyslipidemia
RUQ

Hemochromatosis

iron thalassemia
Bantu siderosis Micronodular
pigmentation cardiomegaly, joints
 disease, testicular
 atrophy

HFE gene C282 Y H63D

less hepcidin

Synovitis Polyarthritis

**bronze iron man with
joints pain + testes
atrophy**



القيصر ويلسون



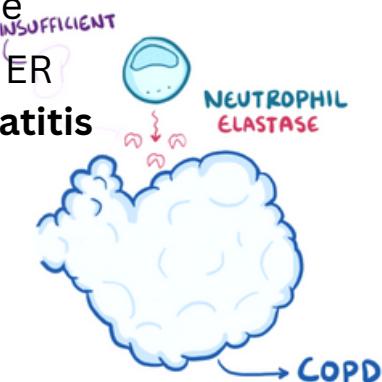
Wilson Disease

ATP7B gene Cu
hemolysis Urinary exc. Of cu. ↑
rhodanine stain or orcein stain
kayser- fleischer rings
Frank psychosis chr. 13
Parkinson disease- like
behavioral changes

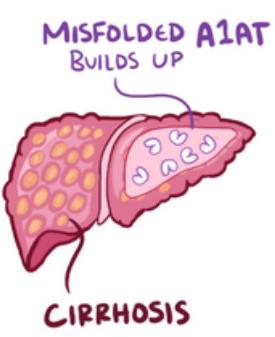
α -1-Antitrypsin Deficiency

Aut. Recessive

chr. 14



Neonatal hepatitis
PAS+ve
PiZZ



Reye's Syndrome

salicylate encephalopathy
after viral illness

Budd – Chiari Syndrome

Hepatomegaly Thrombotic
abdominal pain, ascites, and liver enlargement
hepatic vein

Primary sclerosing cholangitis

UC alkaline phosphatase

Antinuclear cytoplasmic
onion-skin fibrosis

cholangiocarcinoma

Ischemia of biliary tree

Sinusoidal Obstruction Syndrome

Jamaican bush-tea
pyrrolizidine alkaloids
bone marrow
radiation cyclophosphamide
emboli

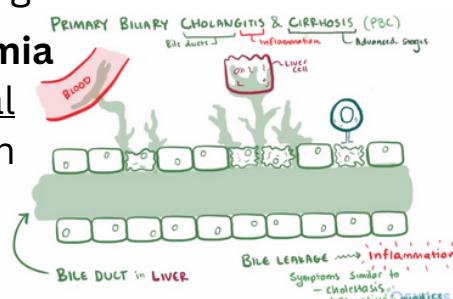


Primary biliary Cirrhosis

Non-suppurative granulomatous

Hyperbilirubinemia

Antimitochondrial
florid duct lesion



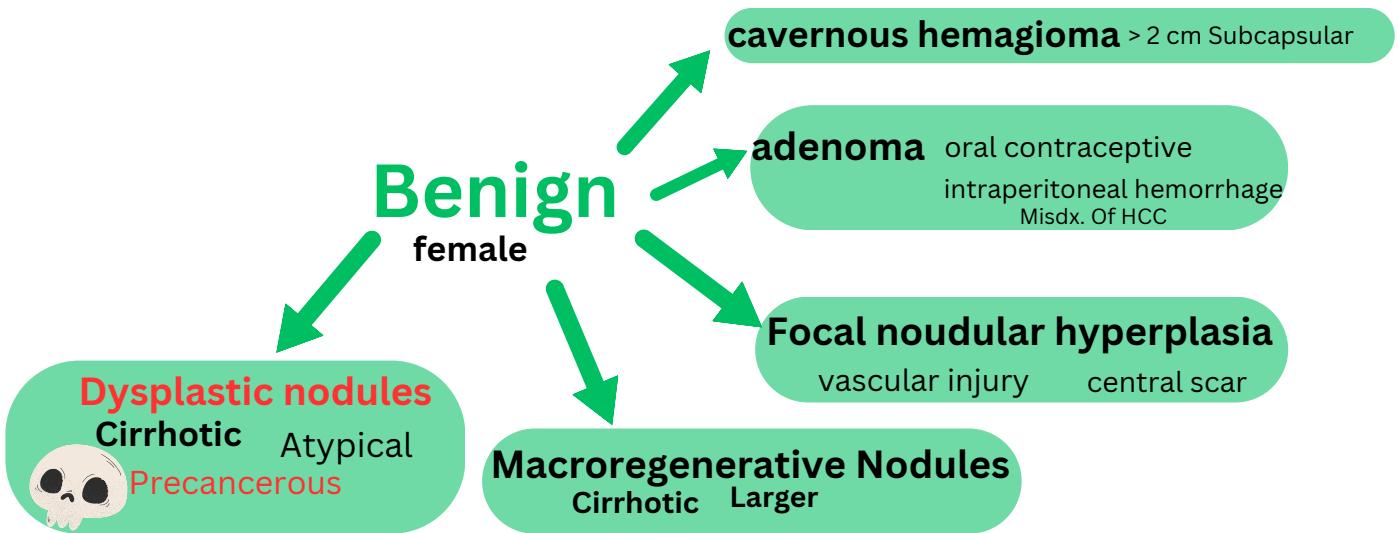
Secondary biliary cirrhosis

extrahepatic biliary tree

Peliosis Hepatis

hemorrhage danazol

Liver tumors



male high in westerns Hereditary tyrosinemia 40%

Hepatocellular carcinoma

50% Cholangiocarcinoma, also known as bile duct cancer, is a type of cancer that forms in the bile ducts 123. The bile ducts are small tubes that connect different organs and are part of the digestive system 1.

metastasis
increase α -feto protein
Death within 7 -10 months
Cachexia

Fibrolamellar carcinoma
No relation to HBV or cirrhosis
better prognosis single hard