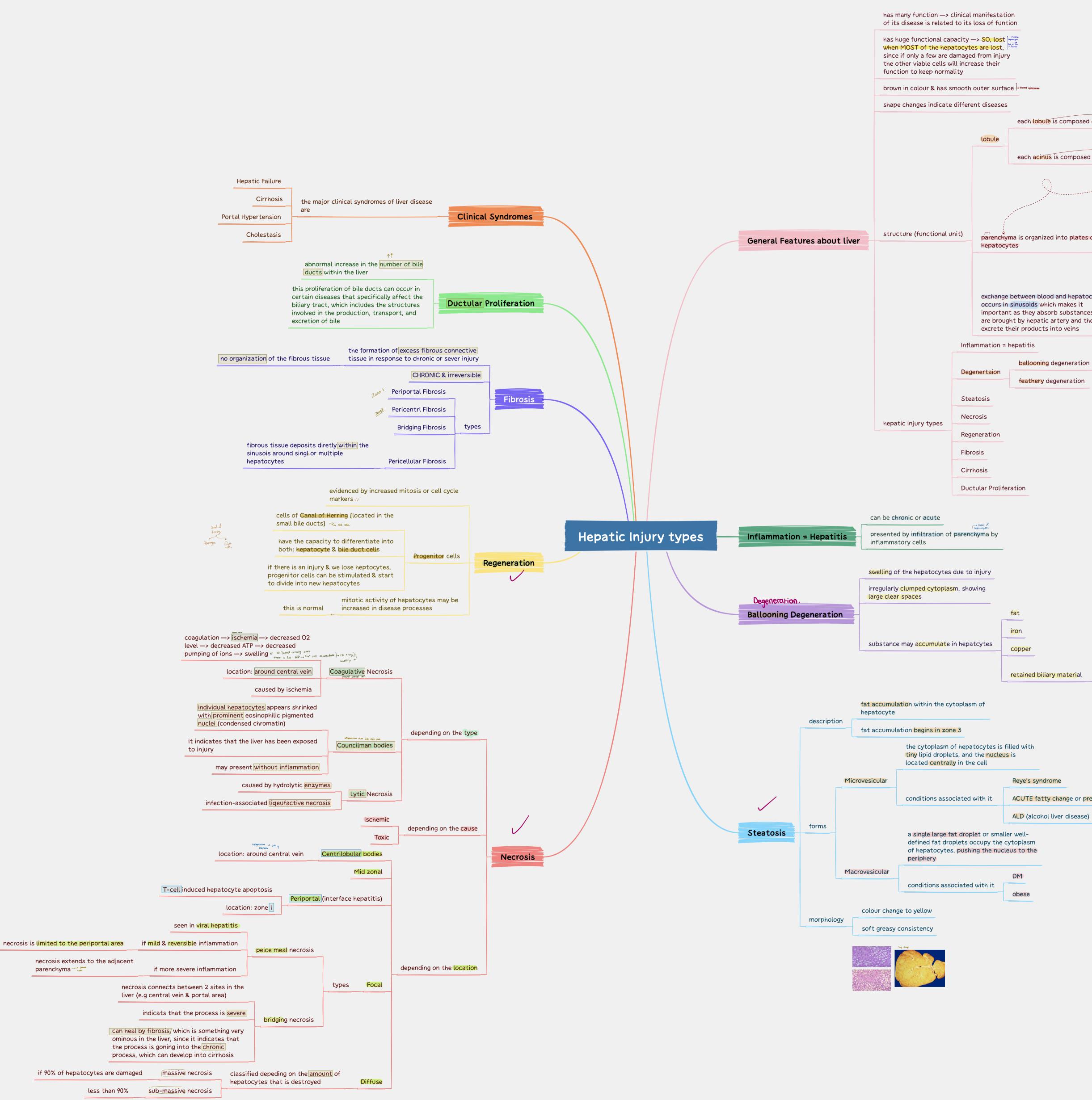
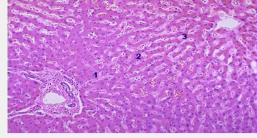
# Liver Diseases.



### each lobule is composed of 6 acini



ius is composed of $3^{2}z$	ones zone 2 (parenchyma between zone 1 & 3	
	zone 3 (pericentral area)→around the center	
×	hepatocytes are radially oriented <mark>around</mark> terminal hepatic vein (central vein) → t	his plate can be lost during hepatic injury
zed into plates of	hepatocytes show only minimal variation in the overall size, but nuclei may vary in size, number & ploidy (no. of chromosome)	
	vascular sinusoids presents between cords of hepatocytes	
	hepatocytes are lined with kuppfer cells	
ood and hepatocytes which makes it sorb substances that ic artery and they ts into veins	this exchnage is affected during diseases and manifested as the accumulation of many substances which can be toxic, and loss of substances that are being produced by the liver —> proteins	

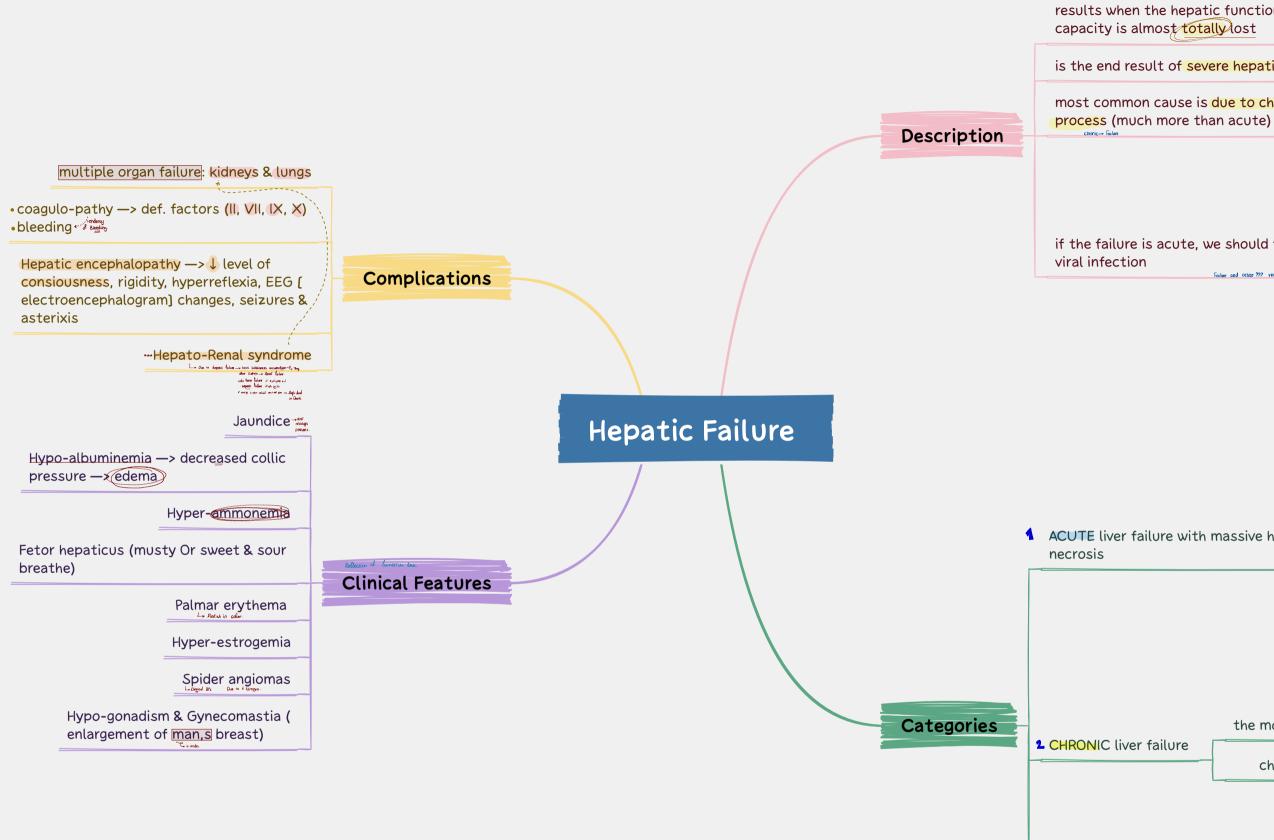
zone | (periportal area)

ballooning degeneration

feathery degeneration retained biliary material, accumulation of iron & copper

will appear as a brown pigment within the hepatocyte

ACUTE fatty change or pregnancy



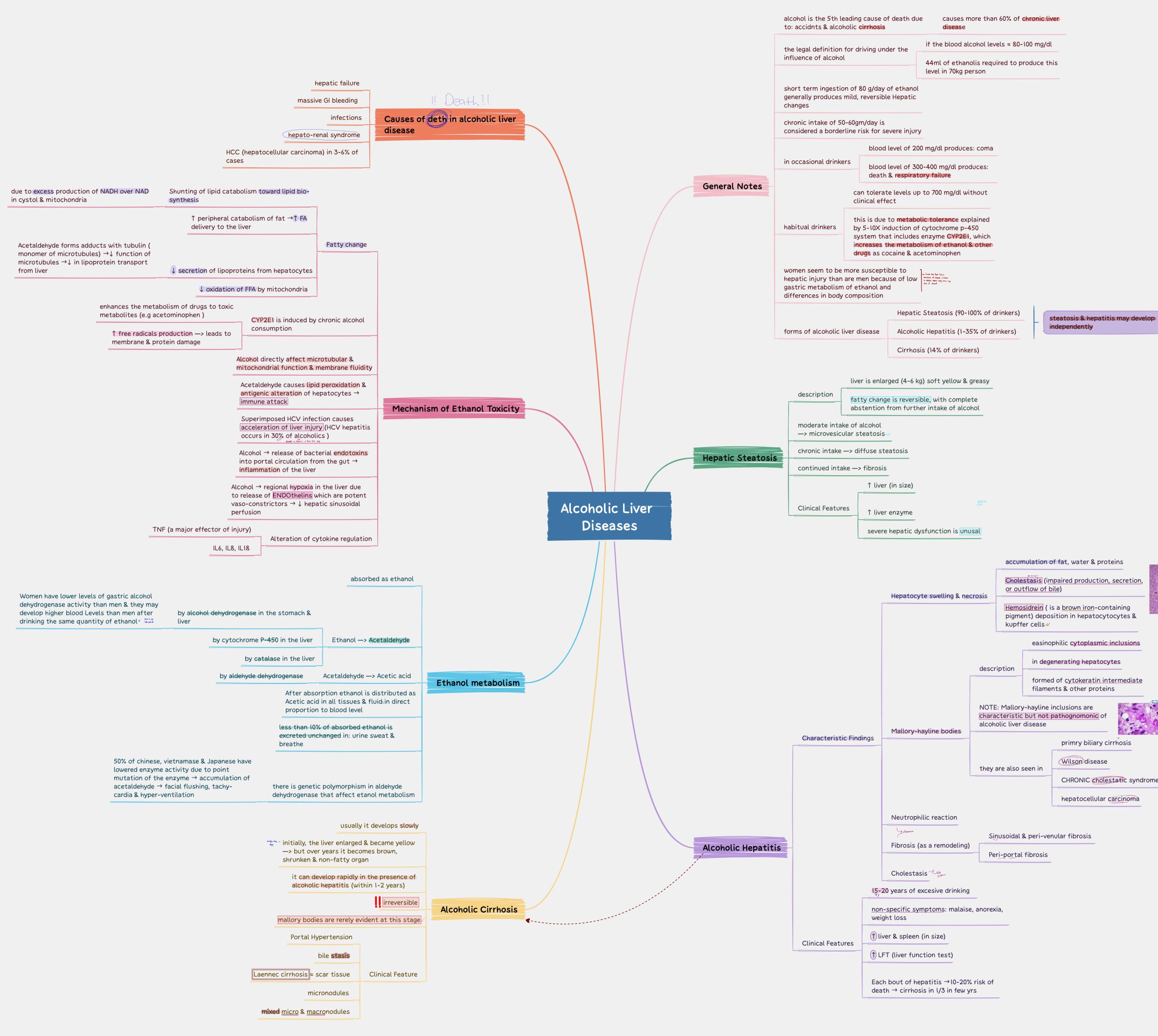
Presented with **xmind** 

## results when the hepatic functional

#### is the end result of severe hepatic damage

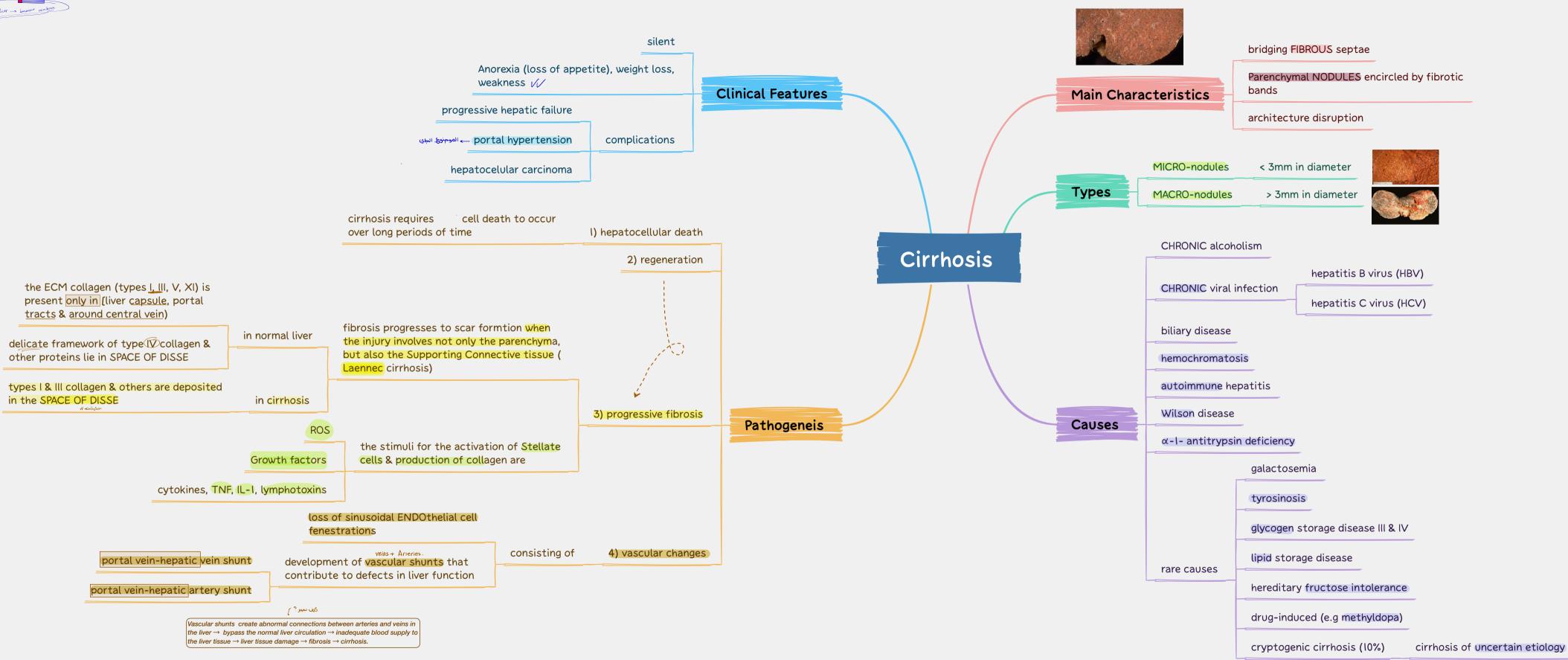
### most common cause is due to chronic

chronic-+ Failure					
		fulminant viral	hepatitis		
if the failure is acute, we should think of viral infection		hepatitis C			
		hepatitis D superimposd in B			
		particularly if it occurs in adults who are hepatitis A <u>not immunized</u> to A			
		hepatitis E	with pregnant women		
		most often caus viral hepatitis	sed by drugs or fulminant	massive hepatic Necrosis .	
		denotes clinical hepatic insufficiency that progresses from onset of symptoms to hepatic encephalopathy within 2 to 3 weeks			
ACUTE liver failure with massive hepatic necrosis		A course extending as long as 3 months is called SUBACUTE failure			
		The histologic correlate of acute liver failure is massive hepatic necrosis			
		is an uncommon but life-threatening condition that often requires liver transplantation			
	the most commo	on route to hepatic	failure		
2 CHRONIC liver failure	chronic liver damage ending in <mark>cirrhosis</mark>				
			may be viable, but unable to mal metabolic function		
<b>3</b> hepatic dysfunction, wit	hout overt cirrhosis	;;	Reye's syndrome		
		examples	tetracycline toxicity		
			ACUTE fatty liver of pregna	can lead to ACUTE liver fai	lure a few <mark>da</mark>

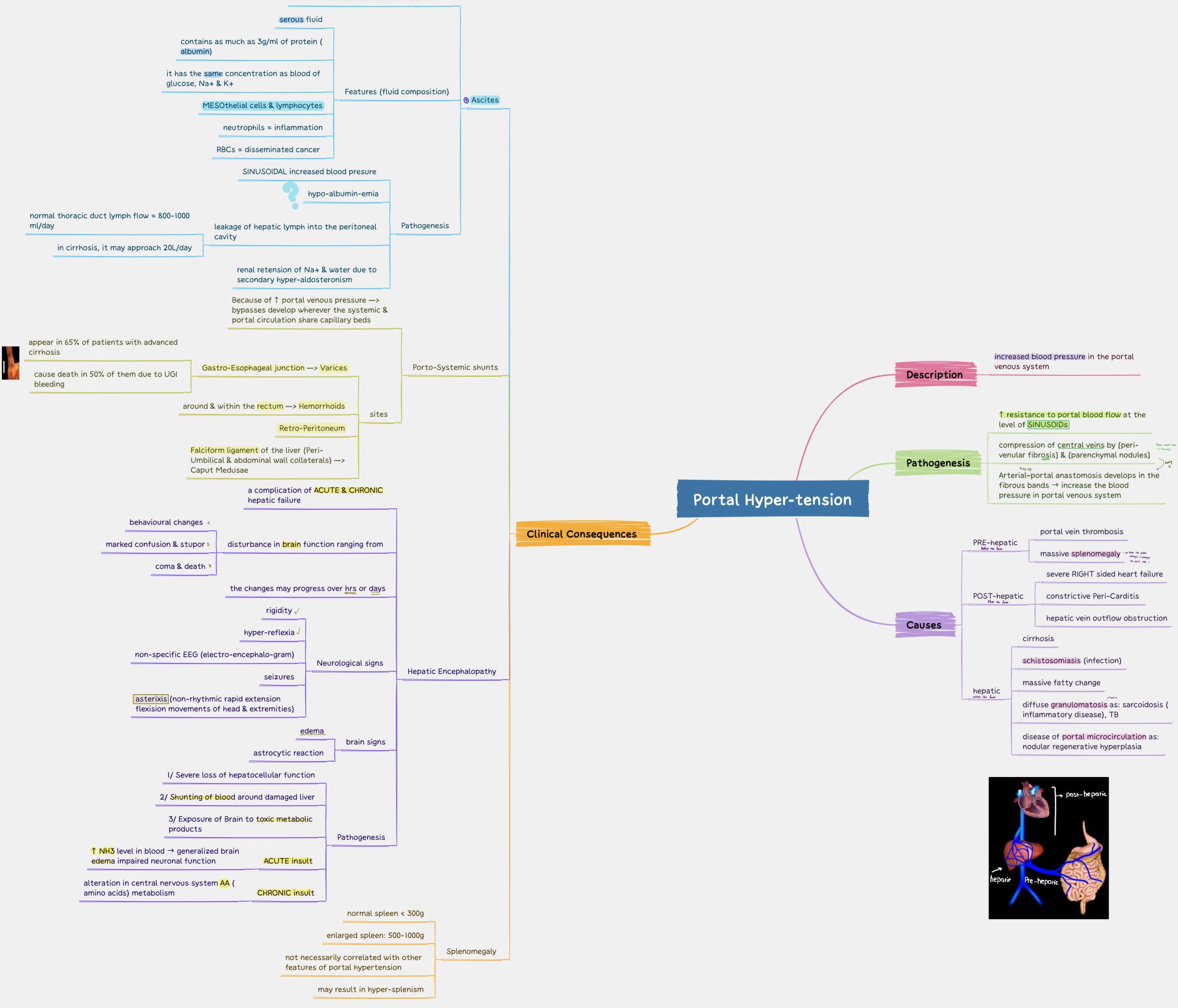


oteins
on, secretion,
ontaining ytocytes &
c inclusions
cytes
<u>ntermediate</u> eins
f
cirrhosis
e
lestatic syndromes
r carcinoma





### collection of excess fluid in peritoneal cavity —> it becomes clinically detectable when at least 500ml have accumulated





liver pathology. Halothere? \* The lever is devided < \* curkers - channe depuis \* Normal Liver\_>\_> Shiny smooth surface. simusuid ??