

M.SC
Semester
III Core
Course XI
Bio-Inorganic
Chemistry

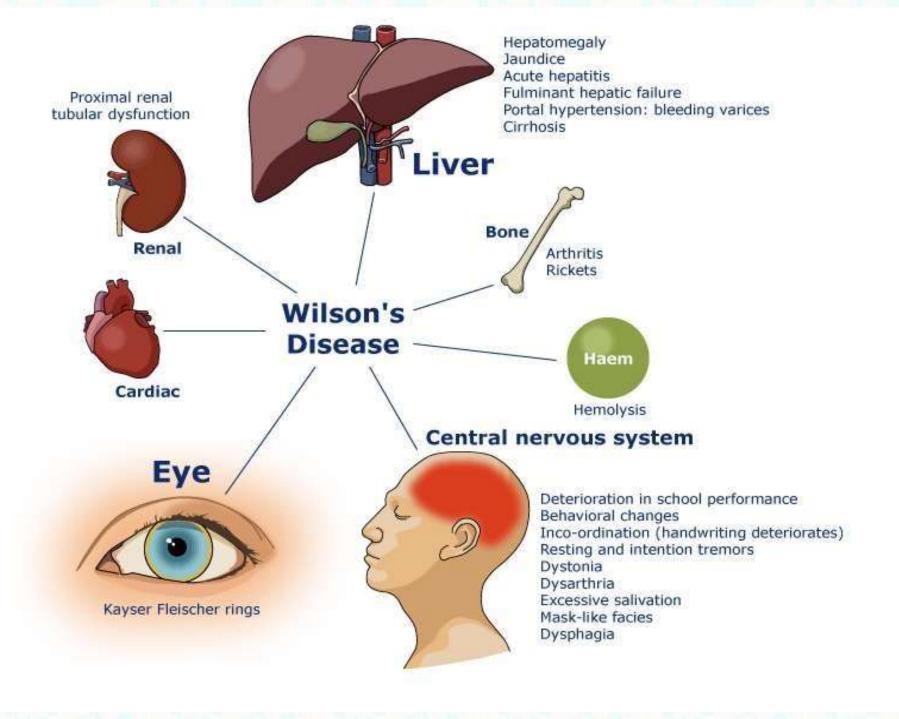
TOPIC:- Copper Metabolism

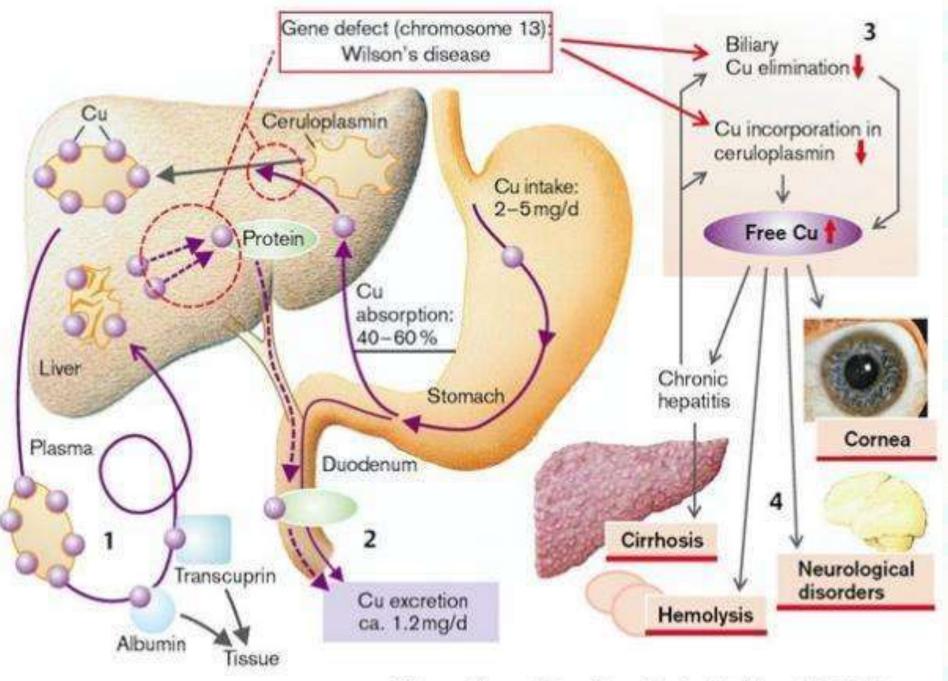
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Wilson's disease

- Wilson's disease (hepatolenticular degeneration) is a rare genetic disorder.
- Autosomal recessively inherited disorder.
- It is caused by mutation in the gene that codes for copper binding Ptype ATPase in liver leading to defect in the transport of copper & secretion of ceruloplasmin from the liver.

- This results in accumulation of copper in the liver and subsequently other tissues of the body.
- Disease is a fatal and death occurs at early life.





Silbernagl/Lang, Color Atlas of Pathophysiology, [2000] Thieme