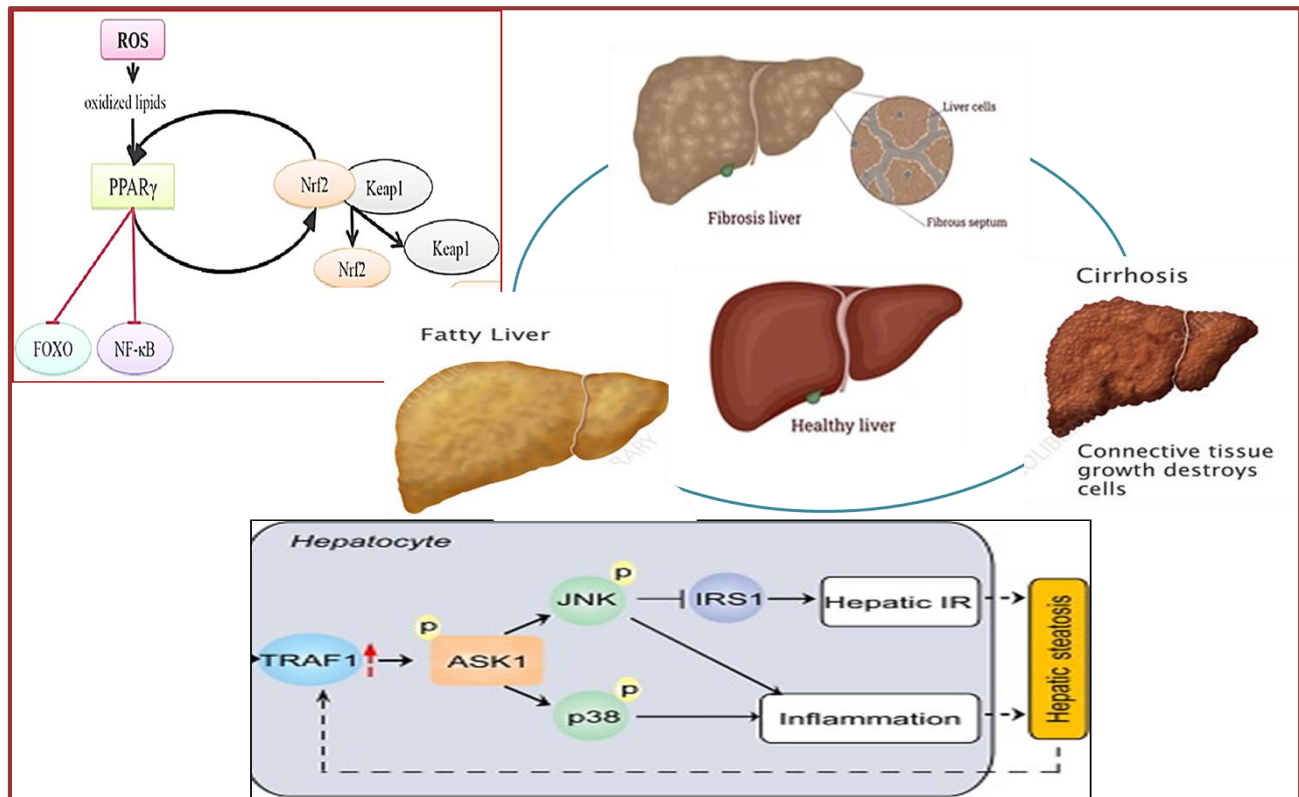


Hepatic diseases



Liver diseases constitute a major burden on the society worldwide in terms of morbidity and mortality, causing two million deaths per year worldwide (3.5% of all death). Liver diseases in Egypt are common with multiple reported etiologies including parasitic, viral, bacterial, and metabolic causes. In the Egyptian demographic health survey, the estimated percentage of Egyptian manifested by any liver diseases ~2.9%. **Pharmacology and Toxicology department** directs its efforts towards finding new therapeutic tools that could lower the incidence of liver diseases (including liver hepatitis, steatosis, fibrosis, and cirrhosis) and associated mortality. Many compounds are being studied experimentally in different animals' models targeting different pathways as NF- κ B/Nrf-2/PPAR- γ signaling, ASK-1/JNK signaling, and TLR4/Nrf2/HO-1 signaling.

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