

## Detoxification of Toxic Substances in the Liver

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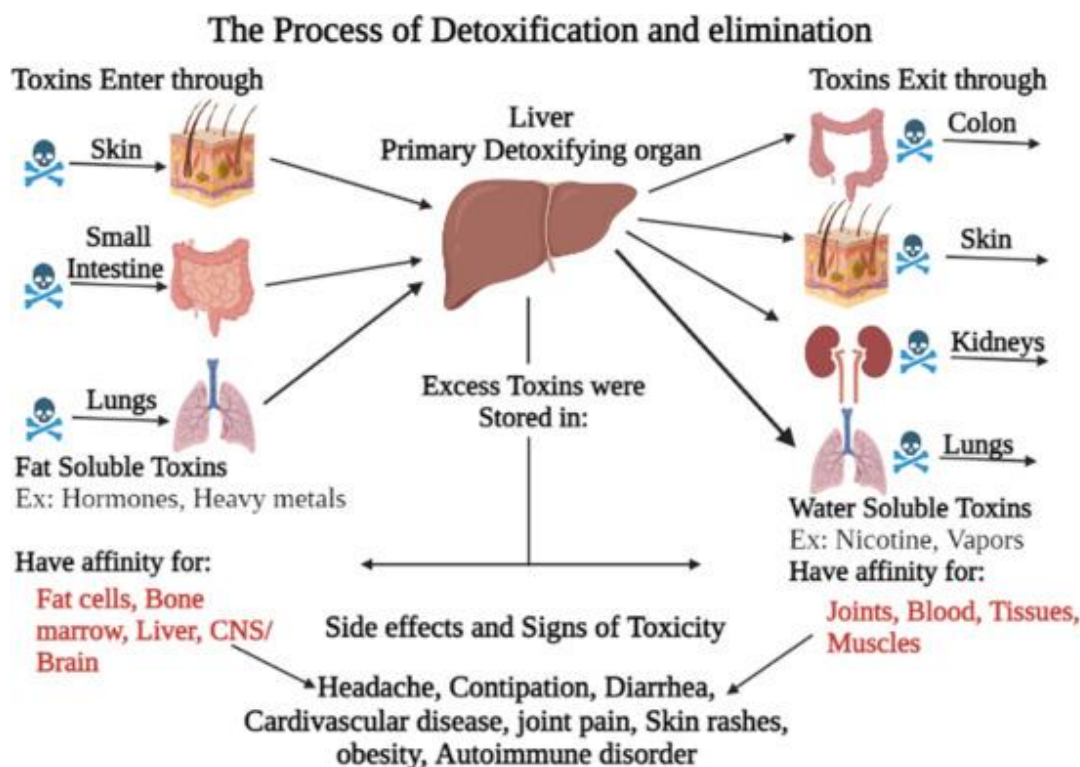
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**Cost:** Liver detoxification of toxic substances. Today, the liver is often damaged by toxic substances. Toxic substances have a high effect on the liver

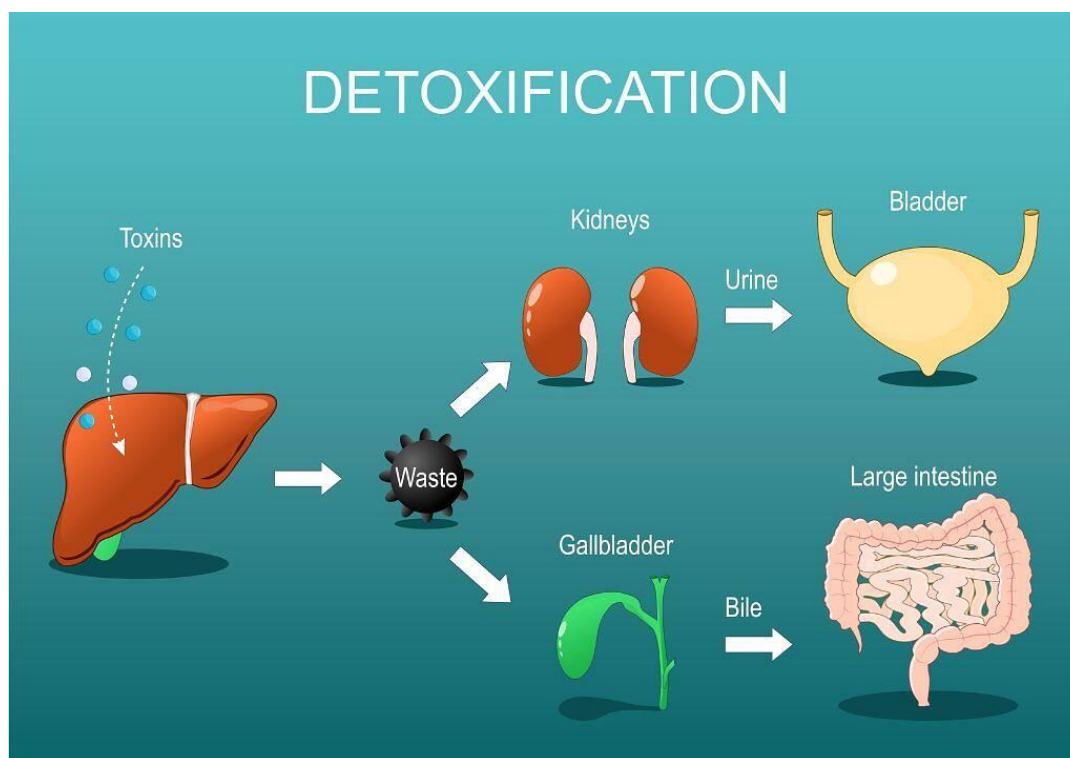
**The purpose of the study:** The importance of the liver in the detoxification of various substances. The liver, in addition to its many tasks known to us, removes the last products formed in the metabolism or toxic substances that enter the body from the outside; it also participates in drug detoxification. Study of liver function by biochemical method.

**Method used and results:** "Plastic" for the body, entering the body from the external environment (in food and water, medicines, etc.) or formed in the body itself (cholesterol, bile acids, unsaturated fatty acids, steroid hormones, prostaglandins) and substances of no "energetic" importance are called xenobiotics. The detoxification of these substances takes place mainly in the liver tissue. Also, their neutralization is carried out in the mucous membranes of the stomach and intestines, respiratory tract, skin and kidney tissue and urinary tract. Detoxification of the liver, that is, it gets rid of the complications that arise as a result of recovery from toxic substances. Regardless of the source, routes of entry and concentration of toxic compounds, it is first fully implemented in the organ plan and removed from the body, then the damaged tissue is actually, and regenerated and removed from the cells.



The main role in the detoxification of toxic substances, foreign poisons and microbial toxins is played by liver cells with enzymatic activity. The human body has enormous self-control mechanisms, which, of course, are self-healing and capable of removing toxic metabolite compounds produced by the normal functioning of a healthy body, which lead to disorders. brings Disrupted metabolic processes protein deficiency.

**Summary:** Detoxification is a crucial step in restoring the body's regulatory mechanisms and possibly returning mutated cancer cells back to normal.



Antioxidant protection Non-enzymatic and enzymatic antioxidants acting in the aqueous and lipophilic phase include some metal elements (zinc, siline), vitamins C (ascorbic acids) and E (tocopherol), as well as a number of compounds developed by the organism. . In order to prevent poisoning, it is necessary to ensure the normal state of these substances in the body and create a basis for the release of toxic substances.

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