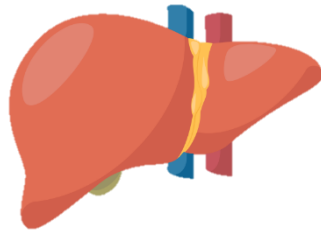




جامعة الإمام عبد الرحمن بن فيصل  
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## The liver





## What is the liver?

The liver is the largest organ in the human body and is located in the upper right part below the diaphragm behind the ribs in the abdominal cavity. The liver consists of two main lobes: the right lobe, the left lobe, and two small lobes. The gallbladder is located in the lower right lobe and stores the bile secreted from the liver and is connected to it by the bile duct.





## What are the functions of the liver?

The liver can perform all its functions almost naturally with 25% of its energy, so even after losing 75% of its capacity, the liver can perform its functions well, and the liver deals mainly with proteins, fats, and sugars.





## What are the functions of the liver?

- It produces multiple types of proteins to build multiple cells in different organs.
- Secretion of hepatic bile, which helps in the process of absorption and digestion of food.
- Convert amino acids to urea.
- It is a component of the body's immune system.





## What are the functions of the liver?

- It stores iron and other minerals as well as vitamins important to the body.
- It deals with various drugs and chemical compounds and converts them from harmful substances to harmless or beneficial substances.



## What are the functions of the liver?

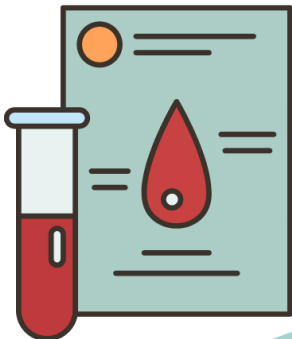
- ✓ Maintains hormonal balance in the body. And its functions are examined by blood analysis and the abbreviation of the name LFTS analysis
- ✓ Maintaining the level of bile in the blood
- ✓ Maintaining protein and albumin levels
- ✓ Maintains liver enzymes such as GGT, ALT, AST, and ALP.





## Note:

Elevation of liver enzymes may indicate a [defect in the liver or in the bile ducts](#), but the rise does not determine the functional ability of the liver, and when these enzymes are at their normal levels, the liver is not necessarily healthy.











Sources and references:

All images used are from [canva.com](https://www.canva.com)

Review and audit:

The content of this booklet has been reviewed by consultant gastroenterologists at King Fahd University Hospital.

**Gastrointestinal**

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**Health Awareness Unit**

**IAU-22-288**



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