The **damaged** liver

The liver is an organ of vital importance and has the extraordinary capacity of self-regeneration.

However, a few things are too much, even for our livers:

Simepar[™]

Silymarin + B-group vitamins

Simepar[™] helps your liver

- To maintain and restore its normal function
- To eliminate toxins
- With a strong antioxidant effect

Double Protection For Your Liver

Treatment: 1 capsule 3 times daily

> Maintenance: 1 or 2 capsules daily



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Sole Distributor: Pharmtech (Caribbean) Ltd. 23 South Trunk Road, La Romaine, Trinidad, W.I. Tel.: (868) 657-1887 Telefax: (868) 657-7456

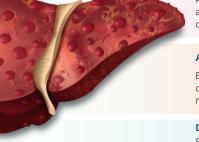
Simepar™

Silymarin + B-group vitamins

Double Protection For Your Liver



Sometimes Your Liver **Needs Support**



Dietary reasons

An unbalanced diet – rich in fat and sugar – can overuse the liver and disturb its functions.

Alcohol consumption

Excessive alcohol consumption can cause chronic intoxication which may result in various liver diseases.

Druas

Some pharmaceuticals can be harmful for your liver, even drugs that you can buy without presciption (e.g. paracetamol).

Other reasons for a damaged liver:

- Genetic reasons (metabolic disorders)
- Intoxications (poison, mushrooms, food, etc.)
- Illnesses (diabetes, virus infections, etc.)
- Obesity (BMI above 30)
- High cholesterol levels and others

Among others, those factors may cause a **fatty liver**, which can lead to liver fibrosis and cirrhosis. The tissue damage associated with cirrhosis is irreversible.



liver enlargement

The **healthy** liver

Simepar[™]

Double protection for your liver

The liver

- is the largest internal organ in the human body and essential for survival
- plays a major role in numerous important functions in the human body such as:

Simepar[™] contains two components to help your liver:

- Silymarin, a 100% natural extract of the milk thistle
- A combination of B-group vitamins
 - (B₁, B₂, B₃, B₅, B₆, B₁₂)

Blood detoxification

The liver breaks up foreign compounds like toxins, drugs, alcohol, fats, etc. to **facilitate** its excretion through the urine.

Bile secretion

The liver produces bile. Bile is stored in the gall bladder and upon eating it is discharged into the duodenum where it supports the process of digestion.

Carbohydrate metabolism

The liver is responsible for the transformation of various substances into glucose (sugar) which **supplies us with energy all day long.** The liver also takes care of the breakdown of insulin and other hormones.

Numerous other syntheses

The liver plays an important part in the fat metabolism (cholesterol, triglycerides) and protein metabolism (amino acid synthesis).

Silymarin:

The milk thistle has been known for thousands of years and extracts of this plant were used by ancient cultures to protect the liver and restore its function.

Nowadays the standardised extract Silymarin has been extensively tested and its effects are scientifically proven:

- Silymarin enhances the production of new liver cells to replace damaged old ones.¹
- Silymarin protects the liver against toxic substances (poisoning mushrooms and drugs) by increasing the cell membrane stability and blocking the uptake of toxins.¹
- Silymarin helps to protect the liver from free radical damage.¹
- Silymarin has the potential to prevent some metabolic and toxic effects of alcohol on the liver.^{1,2}

Vitamin B complex:

Liver diseases and some causes of liver damage (alcohol, toxins) are often related to disturbances of the vitamin B metabolism and vitamin B deficiency.

- B-group vitamins provide conferment functions which are required for the protein and carbohydrate metabolism.³
- Sufficient vitamin B levels are required to ensure liver tissue renovation and detoxification.³
- Vitamin B deficiency can worsen liver diseases and can lead to serious complications.³

References

Simepa

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