

Repair of Destroyed Liver Cells or Protection Liver Cells from Destruction by Silymarin and Minor Concentration of Vitamin E and Vitamin K

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Abstract

The Liver is a major organ in the human body due to it play a great function of metabolism where it convert some of toxic compounds into un toxic also make the insoluble compounds more soluble and easy excrete from kidney. So, we must be keeping this (factory) organ in health state otherwise the more troubles in the life. Also, if this Liver has any dysfunction must be Repair quickly as soon as possible. Hence, the Silymarin and very small concentration of Vitamin E and Vitamin K must incorporated to the fatigue Liver or un healthy Liver.

Keywords: liver, Silymarin, vitamin E, vitamin K, liver cirrhosis, fatty liver repair and protection

1. Introduction

The liver organ is smooth texture due to it contain glycogen i.e., Polysaccharides reservoir in glucose which release when the body need to it or in starvation state.

AS well as the liver contain major cytochrome p 450 which used in metabolism where change toxic substances into un toxic substances via oxidation, reduction conjugation. So, the liver play an important role in the body. As well as the liver make the bile juice, and play role in respiration where in special case, the liver release of glucose which oxidized into carbon

dioxide and water.

So, the liver must keep in health state note merely but if diseased must treat quickly.

The liver may be inflamed via hepatitis B or C viruses, and finished by cirrhotic liver.

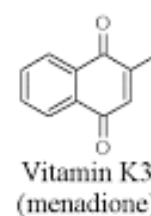
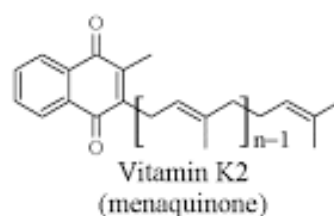
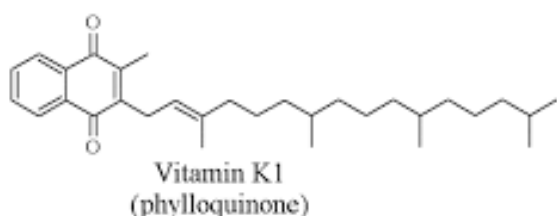
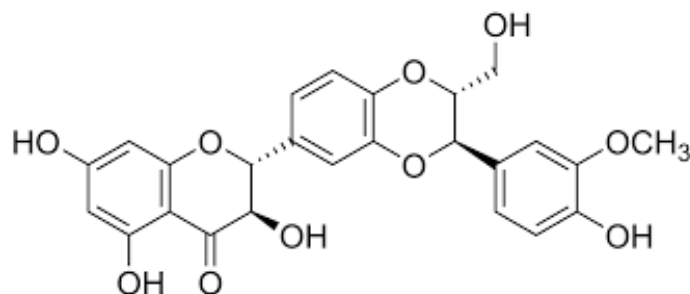
From survey of liver functions the liver may be fatigued. So, we must be correct the health state as soon as possible.

The silymarin, vit. E, and vitamin K are obtained from plant origin these compounds make the liver Cells in healthy state where these compounds decrease the lipids where store in the liver, (Silymarin) make formation of

prothrombin, (vitamin K) and act as antioxidants (vitamin E) from action of these compounds the human body required them to repair the cirrhotic liver or protection the liver from the diseased which infected it. Not only

that but to the liver play its function we must keep it in healthy state and take the silymarin vit. E, and vit. K in minor concentration.

2. Chemistry and Discussion



Silymarin acts as a free radical scavenger and modulates enzymes associated with the development of cellular damage, fibrosis and cirrhosis. These hepatoprotective effects were observed in clinical studies in patients with alcoholic or non-alcoholic fatty liver diseases including patients with cirrhosis. Also used in hepatitis and hepatic cirrhosis treatment and in mushroom poisoning and used as antioxidant anti-inflammatory properties, and it may help the liver repair itself by growing new cells. Although a number of animal studies demonstrate that milk thistle can be helpful in protecting the liver, results in human studies are mixed.

Vitamin K is a group of vitamins that the body needs for blood clotting, helping wounds to heal. There's also some evidence vitamin K may help.

Prothrombin is a vitamin K-dependent protein directly involved with blood clotting. Osteocalcin is another protein that requires vitamin K to produce healthy bone tissue.

It is also used for osteoporosis, athletic performance, breast cancer, diabetes, and many other conditions, but there is no good scientific evidence to support most of these other uses.

Vitamin E helps maintain healthy skin and eyes, and strengthen the body's natural defence

against illness and infection (the immune system).

It is an antioxidant ...

It helps keep the immune system strong against viruses and bacteria.

It helps form red blood cells and widen blood vessels to keep blood from clotting inside them.

It helps the body use vitamin K.

Cells also use vitamin E to interact with each other. From this survey, the silymarin, vit. E and vit. K are important for. repair and Protection of the liver

3. Conclusion

The liver is the major machine in the body, hence we must keep it in healthy state By intake silymarin, vit. E and vit. K.

The liver function tests may be carried every six months to know the healthy state of the liver if it need the silymarin, vit. E and vit. K or not the liver and spleen consider blood so we use vit. K to Synthesis of prothrombin (blood protein).

N. B.

The vit. K used to repair the memory and help of albumin synthesis in the liver.

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