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## ABOUT HEPATITONE



This Herbal supplement contains five herbs designed to help exclusively for liver diseases. Man has only one liver unlike pair of kidneys and lungs. Liver has the unique significance as the seat of metabolism and detoxification. All food, beverages and medications go to liver first after absorbed from stomach. A healthy liver function is mandatory behind a healthy wellness state.

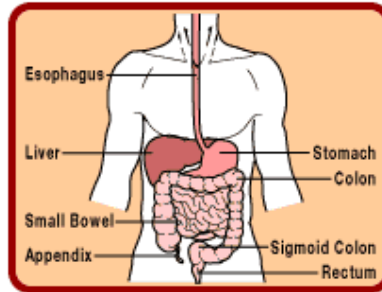
### HEPATITONE - TRADITIONAL INDICATIONS

1. **Viral Hepatitis (Jaundice)**
2. **Alcoholic Hepatitis**
3. **Fatty liver**
4. **Early cirrhosis of liver**

### The Liver

**The liver** is the largest organ in the body. It is found high in the right upper abdomen, behind the ribs. It is a very complex organ and has many functions. They include:

- Storing energy in the form of sugar (glucose)
- Storing vitamins, iron, and other minerals
- Making proteins, including blood clotting factors, to keep the body healthy and help it grow
- Processing worn out red blood cells
- Making bile which is needed for food digestion
- Metabolizing or breaking down many medications and alcohol
- Killing germs that enter the body through the intestine



The liver shoulders a heavy workload for the body and almost never complains. It even has a remarkable power to regenerate itself. Still it should not be taken for granted. Certain conditions that develop, such as fatty liver and steatohepatitis, may be signs of liver injury that can lead to permanent liver damage.

### **Viral Hepatitis (Jaundice)**

The term viral hepatitis is usually used to describe infections caused by agents whose primary tissue tropism is the liver. To date, at least five hepatitis viruses have been recognized, and these have been named: -Hepatitis A, B, C, D and E. Acute hepatitis may also occur as part of the clinical course of a number of viral infections, including human cytomegalovirus, Epstein-Barr virus, herpes simplex virus, yellow fever virus and rubella.

The majority of infections are totally asymptomatic, but common clinical features include: anorexia, nausea, vomiting, right upper quadrant pain and raised liver enzymes AST and ALT. Jaundice is the hall mark of infection, but tends to develop late.

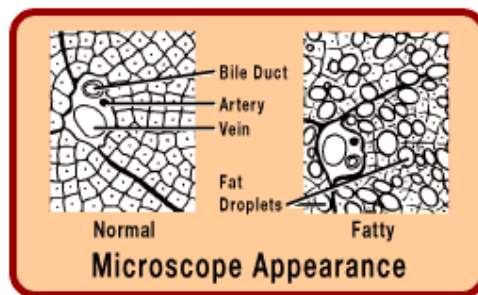
Hepatitis virus A and E are infected through oral route (food and drinks) and B, C, D are through parenteral route - e.g. injections, blood transfusion, sexual, tattooing, acupuncture. Hepatitis B is the only DNA genome virus particle and all others are RNA only. Hepatitis B is dangerous as it can lead to cancer of liver (hepatocellular carcinoma). Epidemic or endemic type of jaundice is caused by either A or E. One hepatitis G has been reported from the blood of a surgeon but not widely reported.

In enteric types, the viral particles multiply in the intestines and later reach liver where it enters hepatocytes and produce inflammation causing liver to swell. Mild fever could be there initially with body pain. Later develops jaundice. In parenteral types, viral particles reach blood and produce viremia with symptoms. Further enters hepatocytes to produce jaundice and later it leads to severe liver damage and even liver failure and death. Carrier state is there who are prone to spread the infection through parenteral route.

Various vaccines are developed now to prevent this dreadful disease. Serum vaccines and recombinant DNA technology (yeast) HBsAg vaccines.

### Fatty Liver

Fatty liver is just what its name suggests: the build-up of fat in the liver cells. Although this is not a normal condition, fat in the liver usually causes no damage by itself. However, on some occasions it can be a sign that other more harmful conditions are progressing. Fatty liver may be associated with or may lead to inflammation of the liver.



**Cause** It would seem logical that eating fatty foods would cause a fatty liver, but this is not the case. The liver does play an important role in the metabolism or breakdown of fats. Something goes wrong in this process of metabolism, but it is still not known what causes fat to build-up in the liver. It is known that fat accumulates in the liver with a number of conditions. The most common is obesity. Fatty liver is also associated with diabetes mellitus, high blood triglycerides, and the heavy use of alcohol. It may occur with certain illnesses such as tuberculosis and malnutrition, intestinal bypass surgery for obesity, excess vitamin A in the body, or the use of certain drugs such as valproic acid and corticosteroids. Sometimes fatty liver occurs as a complication of pregnancy.

**Symptoms and Diagnosis** There are usually no symptoms that are noticeable to the patient. In fact, fatty liver is frequently uncovered during a routine physical examination. There may be a rise in certain liver enzymes found in the blood, and sometimes the liver is slightly enlarged. Fatty liver may also be discovered while the physician is evaluating a patient for other illnesses. For example, an ultrasound scan of the abdomen done for other reasons may show fat in the liver. To be certain of a diagnosis of fatty liver, the physician may recommend a liver biopsy. Under local anesthesia, a slender needle is inserted through the right lower chest. A small piece of liver tissue is taken out with the needle and examined under a microscope.

## **Cirrhosis of liver**

When the scar tissue as a result of inflammation (hepatitis) in liver replaces normal and healthy tissue, blocking the flow of blood through this organ and preventing it from working as it should, is called Cirrhosis of liver. Cirrhosis is most commonly caused by alcoholism and hepatitis C, and was the 12th leading cause of death in the United States in 2000, killing about 26,000 people each year. Alcoholic Cirrhosis is the leading common type leading to fatal liver failure.

**Causes** Cirrhosis has many causes. In the United States, chronic alcoholism and hepatitis C are the most common ones.

**Symptoms** Many people with cirrhosis have no symptoms in the early stages of the disease. However, as scar tissue replaces healthy cells, liver function starts to fail and a person may experience the following symptoms: exhaustion, fatigue, loss of appetite, nausea, weakness, weight loss, abdominal pain, spider-like blood vessels (spider angiomas) that develop on the skin. As the disease progresses, complications may develop. In some people, these may be the first signs of the disease.

**Complications of Cirrhosis** Loss of liver function affects the body in many ways. Following are the common problems, or complications, caused by cirrhosis. Edema and ascites, Bruising and bleeding, Jaundice, Itching, Gallstones, Toxins in the blood or brain, Portal hypertension, Varices, Insulin resistance and type 2 diabetes, Liver cancer and Problems in other organs.

### **HEPATITONE - DOSAGE and DIRECTIONS**



For Adults 18 yrs or older, take two (2) Capsules two times daily (every 12 hours) on empty stomach with lukewarm water.

For best results, no food should be taken 30 minutes before or after taking **Hepatitone**.

Take optimum water to enhance elimination of released toxins from the body.

## HEPATITONE - INGREDIENTS

### Supplement Facts

Serving Size: 2 Capsules (500 mg each)

Servings per container: 60

Each Serving contains		%DV
Andrographis Paniculata	400 mg.	*
Tinospora Cordifolia	200 mg.	*
Phyllanthus Emblica	200 mg.	*
Curcuma Longa	200 mg.	*

\* Daily value (DV) not established.

**1) Andrographis Paniculata** :- An ancient medicinal herb extensively used in ayurvedic medical system. This plant total extract has yielded number of pharmacologically important molecules - Andrographolides A, B, C and D. It has a bitter principle, chlorophyll, sodium and potassium salts.



Andrographis paniculata has been scientifically proved for antibacterial and anti-viral properties (anti-typhoid and anti-influenza). Hepatitis virus A, B, C, D and E can be attenuated with this herb. In infective hepatitis (Jaundice), Andrographis Paniculata along with other ingredients in HEPATITONE synergizes the effect. Andrographis Paniculata augments the bile secretion (bile salts and bile pigments) that enables fat emulsification and better digestion.

Another major therapeutic effect includes anti-diabetic, Immunomodulatory and gall bladder functions by bile production. Though insulin is produced in pancreas, the real insulin effect is at the liver. Liver takes up around 50% of insulin for a normal blood sugar maintenance. In type-2 diabetes Andrographis Paniculata has therapeutic value by improving the insulin sensitization and maintaining the liver enzymes.

**2) Tinospora Cordifolia** :- This creeping important ayurvedic herb is very often known as a liver tonic. The stem is used for formulating HEPATITONE. It is bitter in taste. Tinosporin and berberin are two isolated active principles. Tinosporin is an immunomodulatory agent. It increases the white cell count in pathological states to increase the



phagocytosis of the foreign material. This leads to the destruction of microbes in infections. Liver enzymes are positively influenced. It has anti-diabetic (hypoglycemic) actions. *Tinospora cardifolia* helps to reverse the fatty degeneration of liver. Anti-oxidant, anti-pyretic and anti-inflammatory functions of *Tinospora cardifolia* is well studied scientifically and documented.

**3) Phyllanthus Emblica** :- Often referred to as Indian gooseberry, is one of the richest known sources of vitamin C (720 mg/100g of fresh pulp or up to 900 mg/100g of pressed juice.)– It contains 30 times the amount found in oranges. The vitamin C in *Phyllanthus Emblica* is bound naturally to protect against destruction by heating, unlike in



other fruits. The high content of tannins makes it a first class anti-oxidant. Ellagic acid content in *Phyllanthus Emblica* is very high and so even DNA is well protected from mutation by the free radical oxidation. Stomach mucosa and liver tissue cells are protected from toxins like carbon tetrachloride. This helps regeneration of liver cells.

**4) Curcuma Longa** :- The Curcumin content of this rhizome is well studied and documented. It is an ancient ayurvedic herb known for its anti-toxic effects. Resins and alkaloids in *Curcuma Longa* are isolated and its actions are recorded. Liver cells are protected from toxins. *Curcuma Longa* helps regeneration of hepatocytes with good liver function in cirrhotic and fatty livers. Curcumin is also a well known antioxidant and anti-inflammatory.



This is a natural tonic to human brain as it protects neurons from free radical oxidation; hence it can prevent Parkinson and dementia states.

## HEPATITONE - HEALING CRISIS

No healing crisis.

**Side Effects:** No known side effects noticed

**WARNING** :- This traditional herbal food supplement is derived and time tested by Chavarcode Ayurvedic physicians. Results may vary among users. These statements have not been evaluated by the FDA. Products featured here are not intended to diagnose, cure, prevent or treat any diseases and should not substitute treatment by a

registered medical practitioner. We do not claim that the products or dietary supplements mentioned can protect you from developing serious diseases and recommend that you never delay or forego regular screening, or forfeit the opportunity for early medical treatment that may be critical to survival. You are advised never to self-treat for a serious disease without benefit of a medical diagnosis or treatment. Please consult your physician before beginning any course of treatment.