



**Manufactured by: M/s. Kalaga Herbal research Labs Pvt Ltd., and
Marketed by: M/s. Kalaga Integrated Health Care Pvt Ltd.**



HEPATOPROVE

Broad Spectrum Liver Protector and improves and supports its functions

1 or 2 CAP –Bi-Daily for a period of 90 days or as advised by Physician

FORMULATOR OF HEPATOPROVE - DR. K.V.G.S. MURTY, MBBS



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Hepatoprove – Capsules Benefits:

1. Improves Liver metabolic and general functions.
2. Supports in Regulation of Liver storage function (Buffer management).
3. Supports in Regulation of Excretory and Secretory functions of Liver (Bile Duct, etc.).
4. Corrects Liver issues like Fatty Liver with Lipid lowering, Anti – Oxidant, Anti - inflammatory, Anti – Viral and Anti – Tumour actions.
5. Supports detoxication of Liver (& body).
6. Supports liver cell regeneration.

Manufactured by: M/s. Kalaga Herbal Research Labs Pvt Ltd., 16-4-38, First Floor, Kalaga Mart, M. G. Road, Palakollu -534260, W. G. Dt., Andhra Pradesh.

technical@kalagaherbal.com, drkvgsurthy@kalagaherbal.com

www.kalagaherbal.com

Marketed by: M/s. Kalaga Integrated Health Care Pvt Ltd., 2-2-1109/1, Flat No. 501, Brindavan Apartments, Bagh Amberpet, Hyderabad -50013, Telangana.

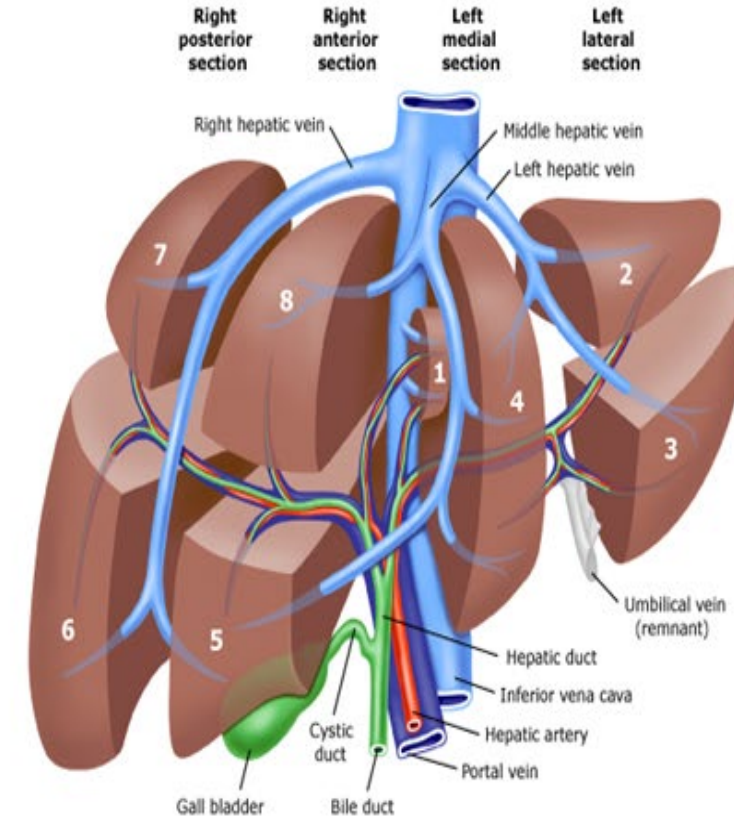
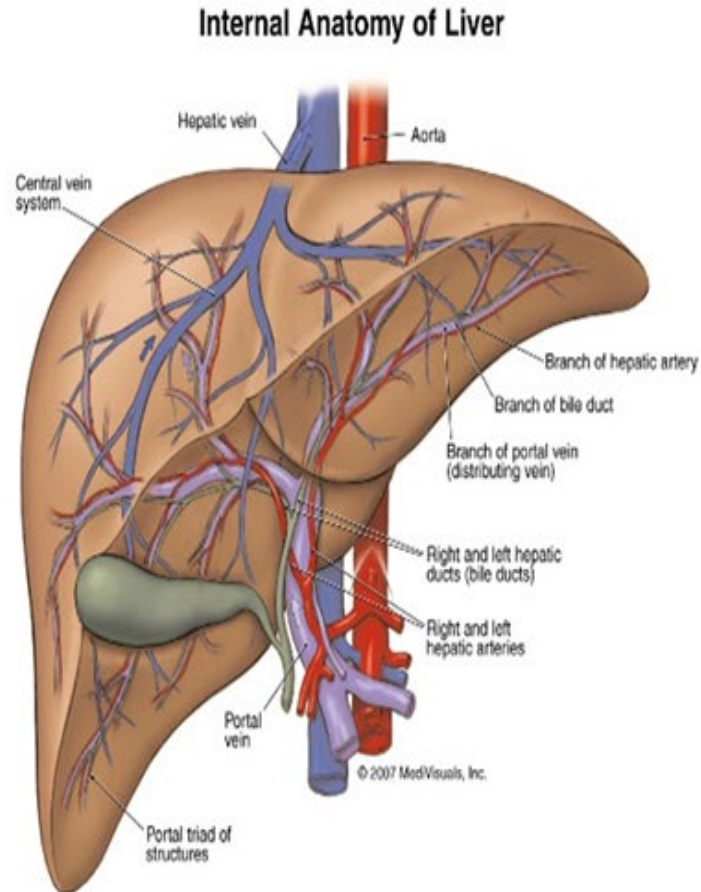
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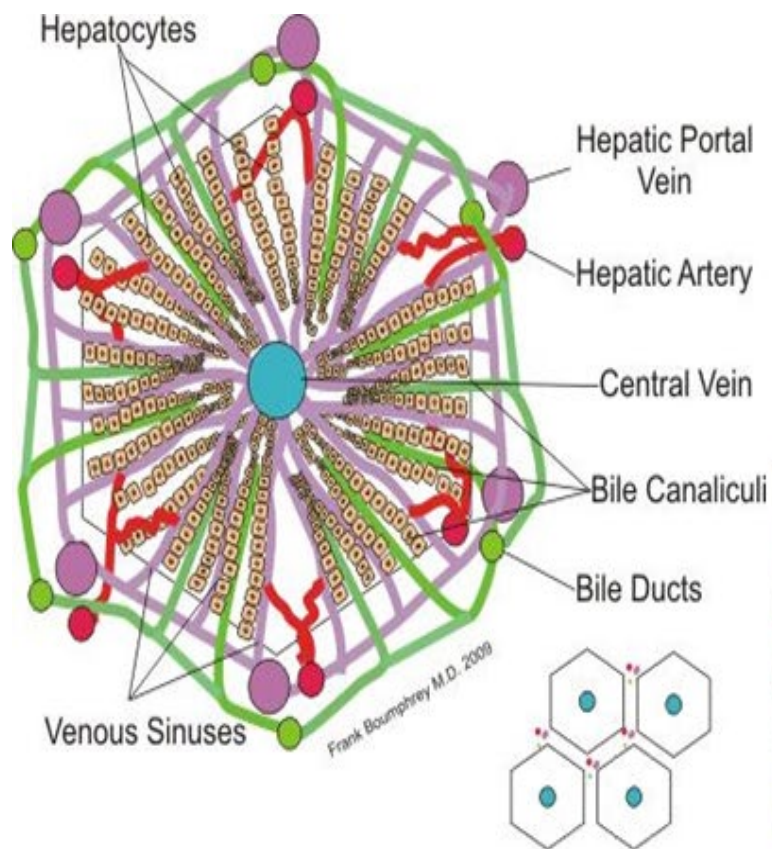
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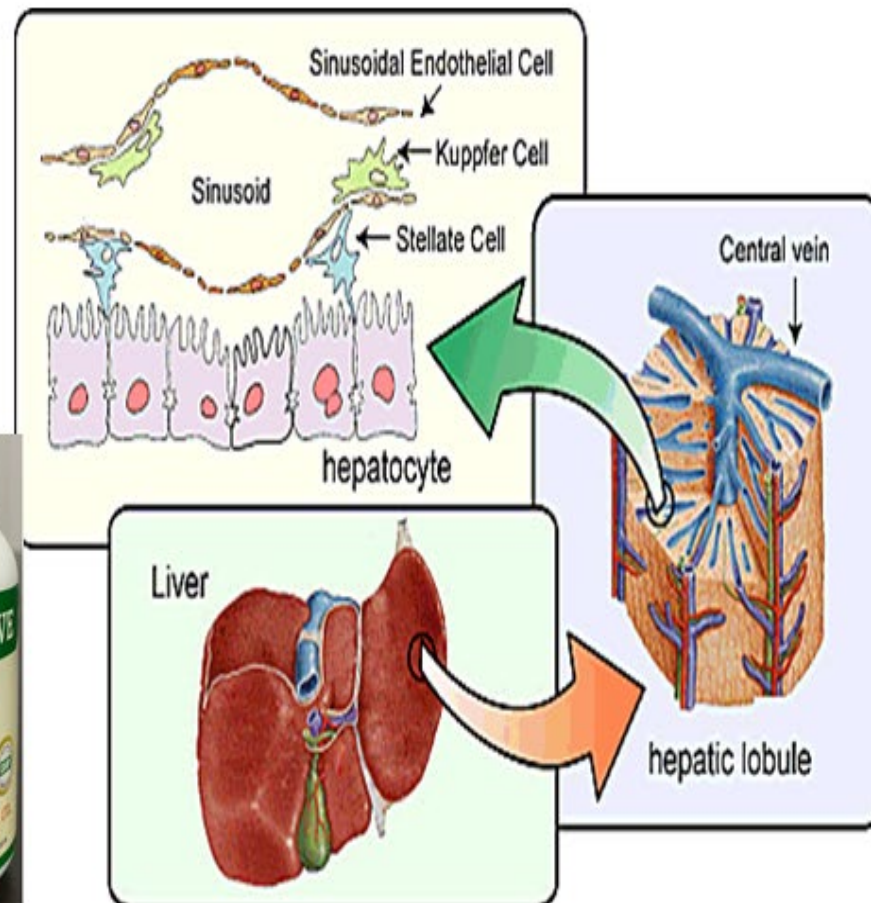
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Basic Structure of Liver Lobule



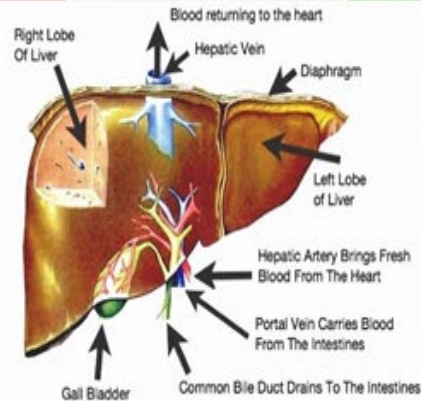
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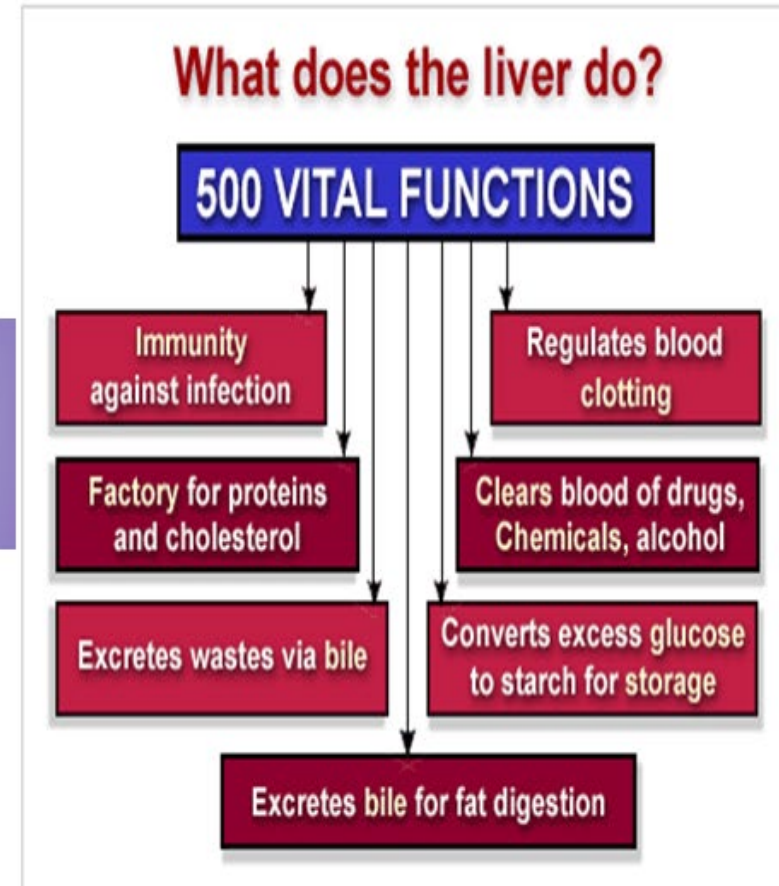
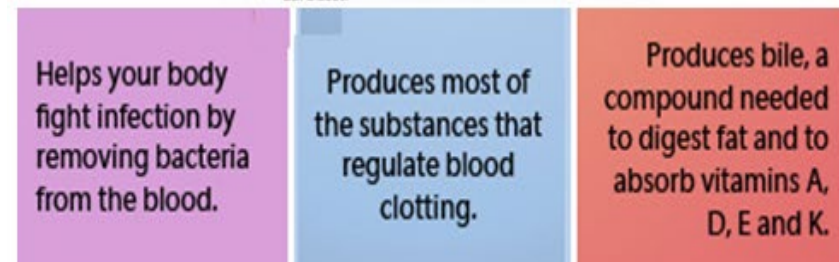
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Metabolizes, or breaks down, nutrients from food to produce energy, when needed.



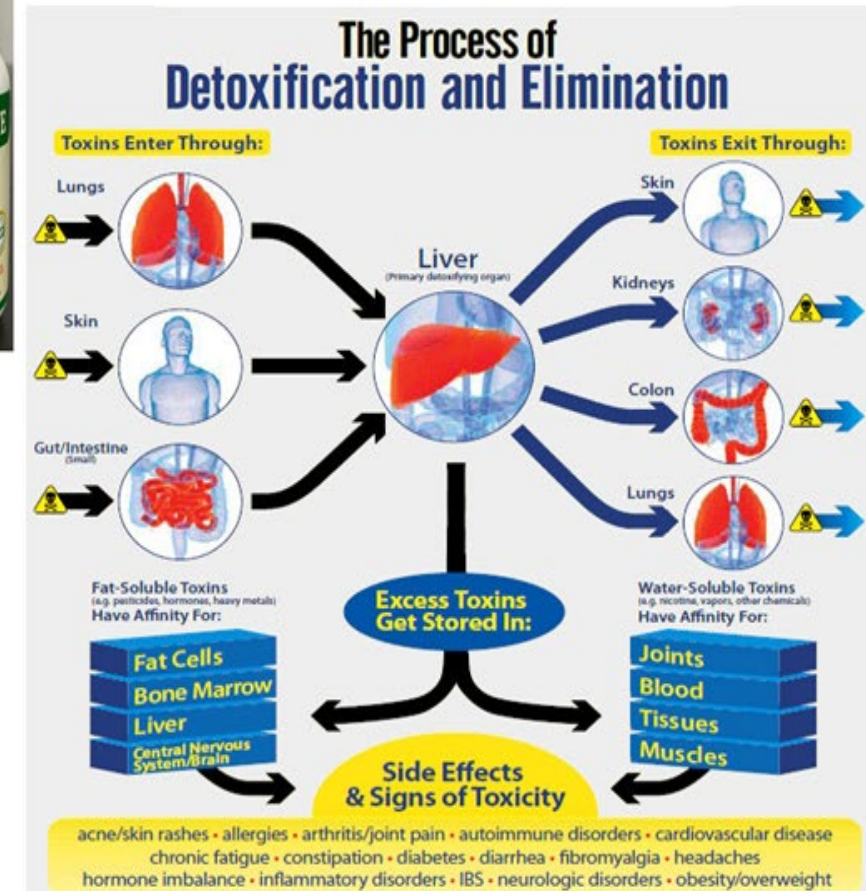
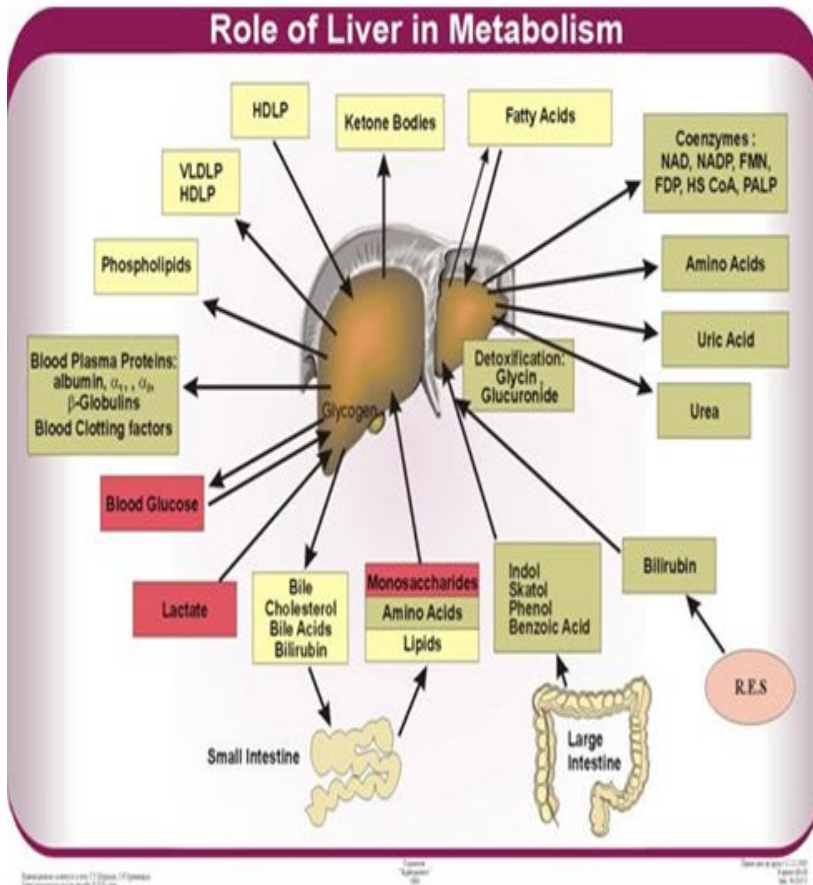
Produces most proteins needed by the body.



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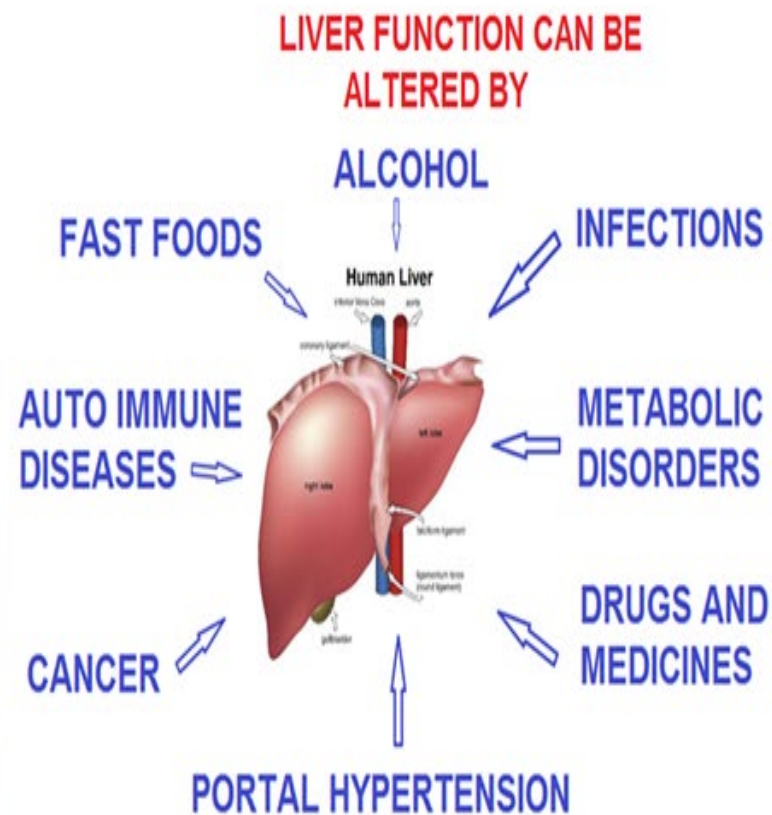
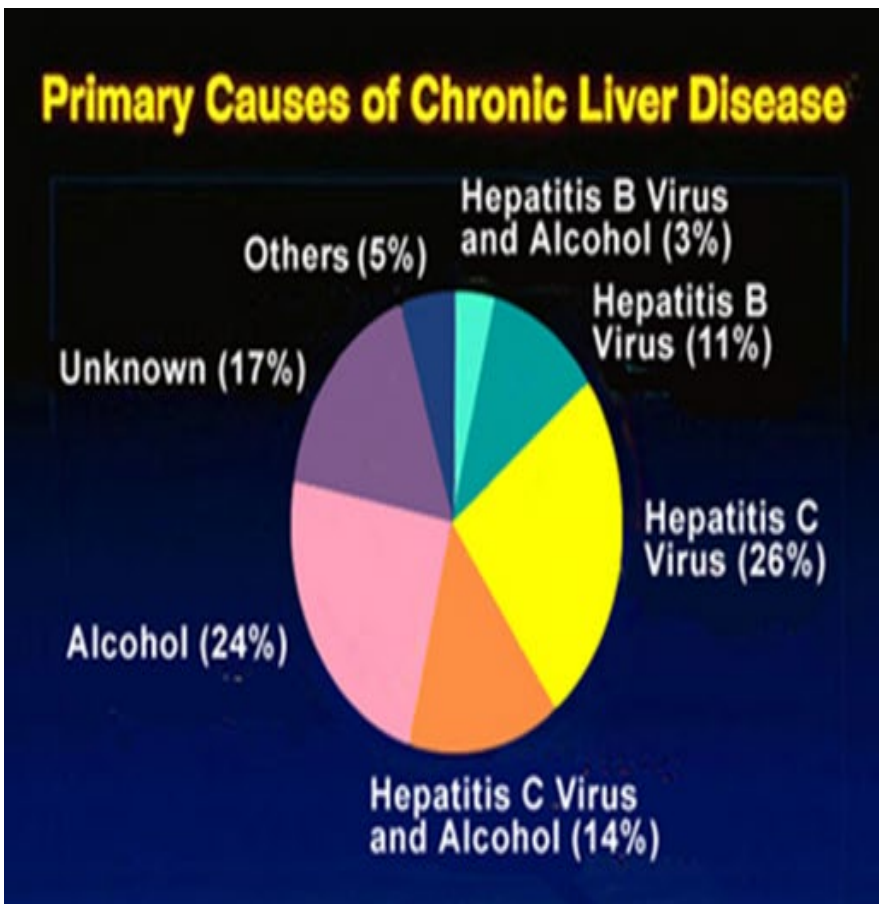
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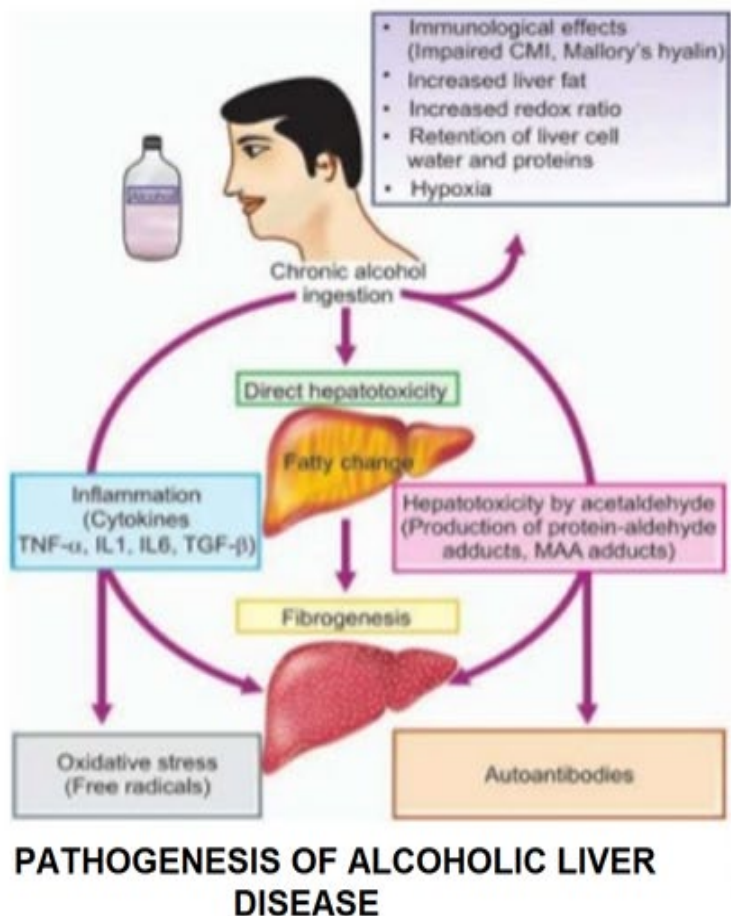
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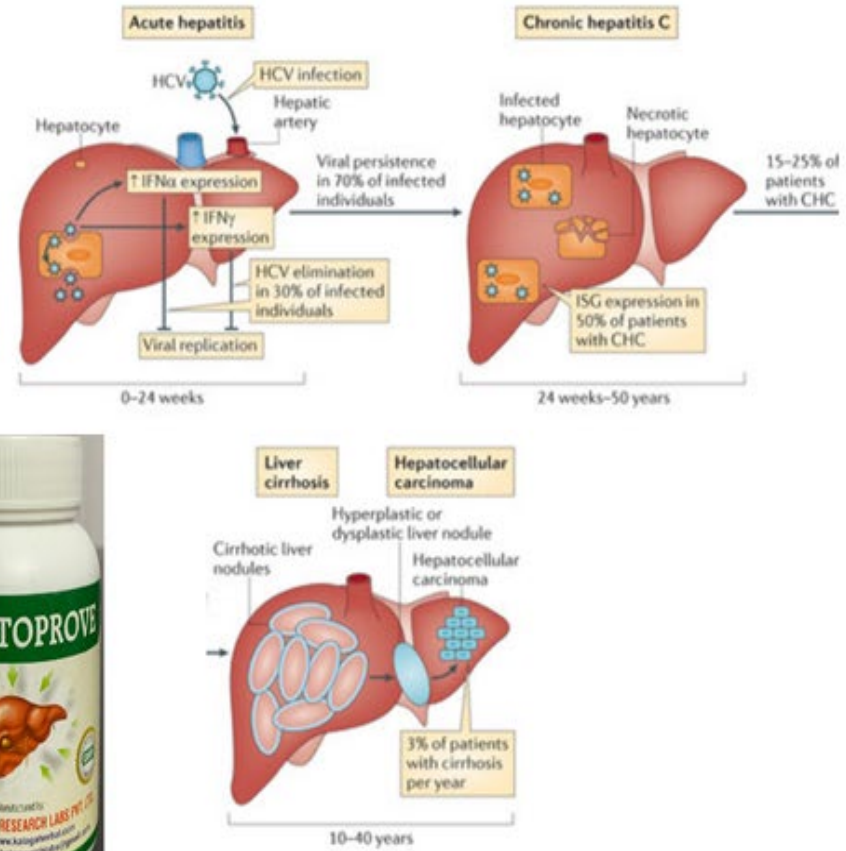
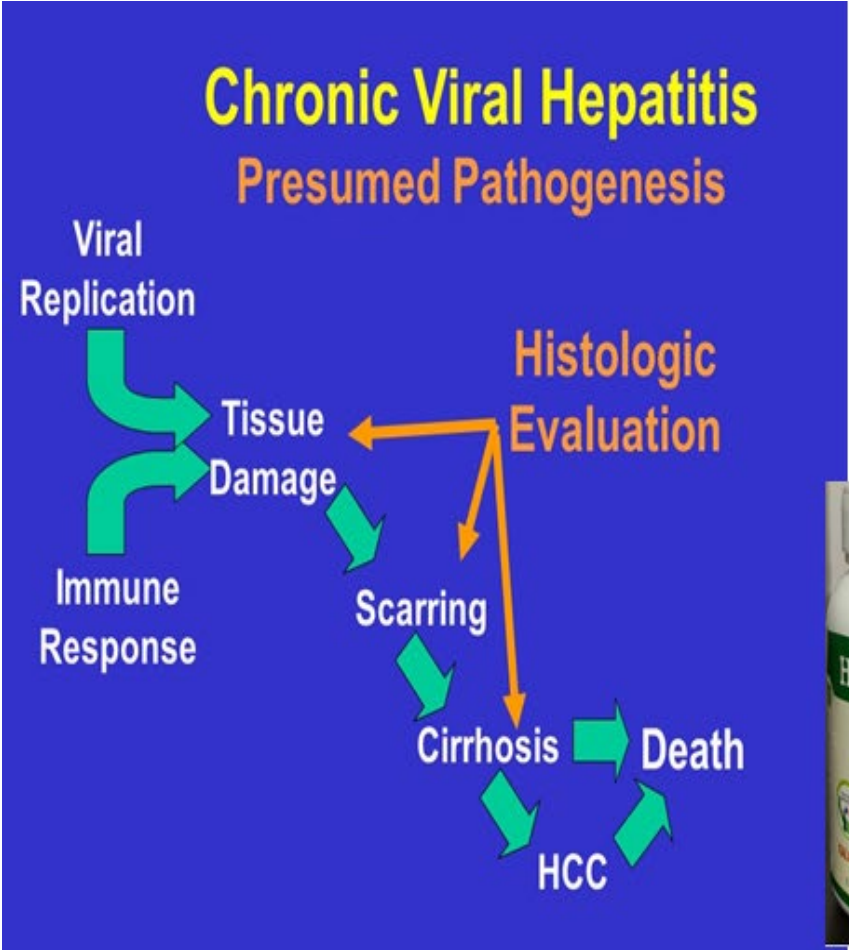
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UNDERLYING PATHOPHYSIOLOGY OF CIRRHOSIS

Cirrhosis is the end-stage of chronic liver disease and is NOT REVERSIBLE! Alcohol is the most common cause of cirrhosis in the United States

HEPATOCTYDE DYSFUNCTION

impaired bile flow/decreased conjugation of bilirubin
jaundice

increased blood levels of estrogen

decreased libido

spider angiomas

pectoral alopecia

gynecomastia

oligomenorrhea/amenorrhea (women)

testicular atrophy

palmar erythema

decreased synthesis of aldosterone/

decreased colloid osmotic pressure

ascites

peripheral edema

decreased synthesis of albumin

hypalbuminemia

decreased synthesis of clotting and

anticoagulation factors

bleeding risk

clotting risk

HEPATOCTYDE DYSFUNCTION

necrotic enzymes leach into blood

increased liver enzymes

decreased ammonia metabolism = false neurotransmitters

hepatic encephalopathy

PORTAL HYPERTENSION

esophageal varices

splenomegaly

distended superficial abdominal veins

acites

hemorrhoids

How fibrosis in the liver contributes to portal hypertension and hepatocyte dysfunction:
Damage to hepatocytes = stellate cell activation > bands of fibrotic tissue > restricted fluid flow in liver > portal system hypertension and hepatocyte dysfunction (from cell death or mal-formed regenerated hepatocytes)



COMPLICATIONS CIRRHOSIS LIVER

Enlarged parotid gland

Right upper quadrant pain

Steatosis

Hepatitis

Cirrhosis

Ascites

Diarrhea

Testicular atrophy

Osteopenia

Encephalopathy
Cerebral atrophy
Wernicke-Korsakoff

Spider angiomas

Hypertension
Cardiomyopathy
Arrhythmias

Gastritis

Esophagitis

Splenomegaly

Pancreatitis

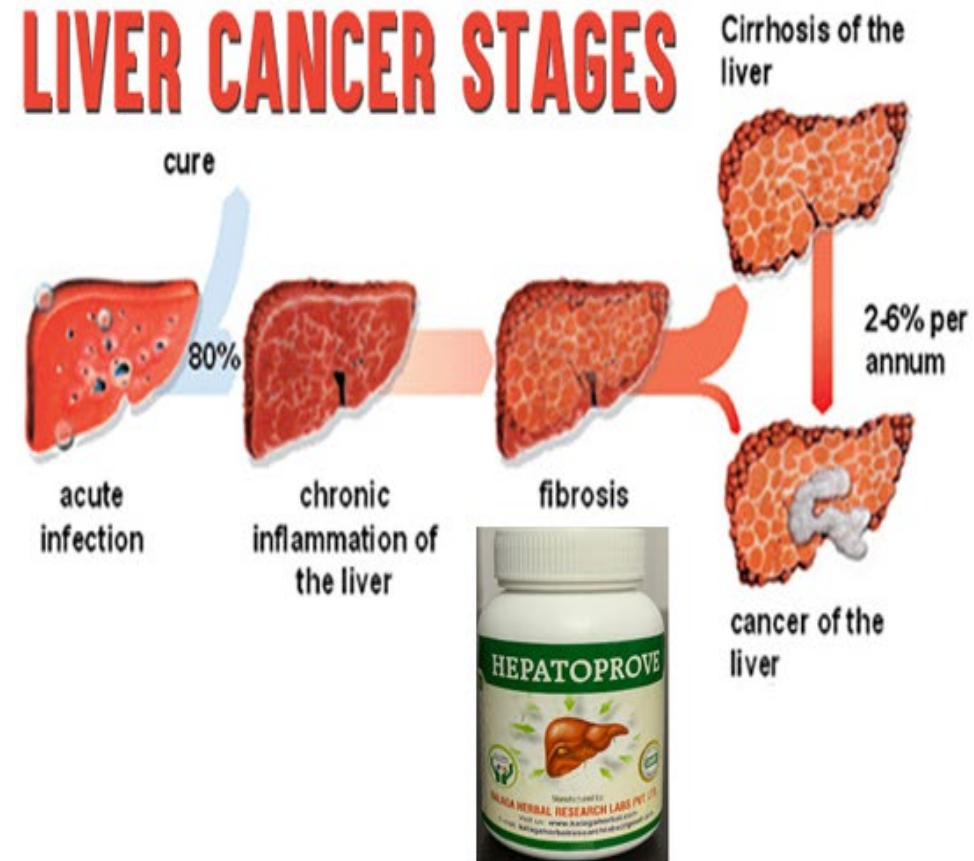
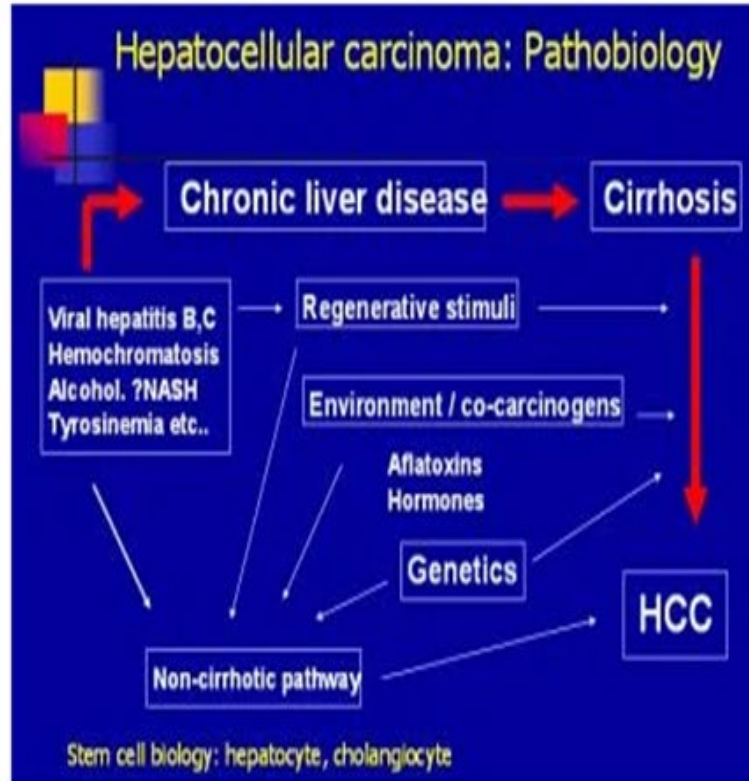
Malnutrition:
Folate, thiamine,
pyridoxine, niacin,
magnesium, zinc,
calcium, protein

Palmar erythema

Myopathy

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Sl. No.	Sanskrit Name Or Local Name	Botanical Name	Part used	Classical Reference
1	Bhuamlika (Tamalaki)	Phyllanthus niruri	Whole plant	API PART – I, VOL – I, 70 PAGE NOS. 190 to 192
2	Sveta Sariva (Ananthamool)	Hemidesmus indicus	Root	API PART – I, VOL – I, 68 PAGE NOS. 184 – 186
3	Kalmegh	Andrographis paniculata	Whole plant	Bhavaprakasa Nighantu (India Materia Medica) of Sri Bhavamisra – Chaukhambha Bharati Academy, Varanasi Page No. 75.
4	Guduci	Tinospora cordifolia	Whole plant	API PART – I, VOL – I, 27 PAGE NOS. 70 -72
5	Amlavetas	Hippophae rhamnoides L	Fruit	1.Bhavaprakasa Nighantu (India Materia Medica) of Sri Bhavamisra – Chaukhambha Bharati Academy, Varanasi Page No. 599 2.The Ayurvedic Formulary of India – Part III – Page 420, Item – 11, Department of AYUSH, Govt. Of India, Central Council for Research in Ayurveda and Sidda, Unani, Youga, Homeopathy (CCRAS), New Delhi. 2011
6	Dugdhapheni	Taraxacum officianale	Root	1.Bhavaprakasa Nighantu (India Materia Medica) of Sri Bhavamisra – Chaukhambha Bharati Academy, Varanasi Page No. 828
7	Yesti Madhu	Glycyrrhiza glabra	Root	API PART – I, VOL – I, 79 PAGE NOS. 215 - 217
8	Patola	Trichosanthes dioica	Leaf	Bhavaprakasa Nighantu (India Materia Medica) of Sri Bhavamisra – Chaukhambha Bharati Academy, Varanasi Page No. 676,686



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