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Scope of homoeopathy in fatty liver

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Abstract

Fatty liver disease, also called hepatic steatosis, is characterized by abnormal accumulation of triglycerides in hepatocytes. It is broadly categorized into Alcoholic Fatty Liver Disease (AFLD) and Non-Alcoholic Fatty Liver Disease (NAFLD), the latter being strongly associated with obesity, diabetes, and metabolic syndrome. Often asymptomatic in early stages, it can progress to steatohepatitis, fibrosis, and cirrhosis if untreated. Lifestyle modification forms the cornerstone of prevention, while homeopathic medicines aim to support liver function, reduce fat deposition, and address constitutional predisposition.

Keywords: Fatty liver, hepatic steatosis, NAFLD, alcoholic liver disease, metabolic syndrome, homeopathy

Introduction

Fatty liver disease is a common hepatic condition affecting both adults and children. It involves excess fat deposition (>5-10% of liver weight) without significant alcohol consumption in NAFLD. Risk factors include obesity, type 2 diabetes, dyslipidemia, and sedentary lifestyle. The disease is usually silent in its early stages but can progress to nonalcoholic steatohepatitis (NASH), fibrosis, and cirrhosis, leading to liver failure. With rising obesity worldwide, NAFLD has become a leading cause of chronic liver disease.

Etiology (Causes)

1. Alcoholic Fatty Liver Disease (AFLD)

Excessive alcohol intake leads to hepatocyte injury and fat accumulation.

2. Non-Alcoholic Fatty Liver Disease (NAFLD)

- Metabolic factors: Obesity, insulin resistance, type 2 diabetes
- Dyslipidemia: High triglycerides, low HDL cholesterol
- Nutritional factors: High-fat diet, rapid weight loss, protein malnutrition
- Drugs: Corticosteroids, methotrexate, amiodarone, tamoxifen
- Other causes: Genetic predisposition, hypothyroidism, pregnancy (acute fatty liver of pregnancy)

Signs and symptoms

- Often asymptomatic (detected incidentally on ultrasound or LFTs)
- Mild right upper abdominal discomfort or fullness
- Fatigue and malaise
- Hepatomegaly (enlarged liver on palpation)
- In advanced stages: jaundice, ascites, splenomegaly (suggesting cirrhosis)

Pathophysiology

Step 1: Fat accumulation (steatosis): Imbalance between fat synthesis and breakdown in liver cells due to insulin resistance or alcohol.

Step 2: Inflammation (steatohepatitis): Oxidative stress and lipid peroxidation cause hepatocyte injury.

Step 3: Fibrosis and cirrhosis: Persistent inflammation leads to scar tissue formation and eventual liver dysfunction.

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Key mechanisms

- Increased free fatty acid influx into the liver
- Impaired mitochondrial oxidation of fatty acids
- Cytokine-mediated inflammation and oxidative stress

Complications

- Non-Alcoholic Steatohepatitis (NASH)
- Fibrosis and cirrhosis
- Hepatocellular Carcinoma (rare)
- Liver failure
- Increased cardiovascular risk (due to metabolic syndrome)

Prevention

- Maintain healthy weight through balanced diet and exercise
- Limit alcohol intake
- Control diabetes, hypertension, and dyslipidemia
- Avoid hepatotoxic drugs where possible
- Regular screening for high-risk individuals (obese, diabetic)

Prognosis

- Simple steatosis: Good prognosis with lifestyle modification
- NASH with fibrosis: Risk of progression to cirrhosis and liver failure
- Early intervention improves outcomes and prevents irreversible liver damage

Homeopathic management

Homeopathy focuses on treating the individual constitution, reducing fat deposition, and supporting hepatic detoxification.

Chelidonium majus

Pain in right hypochondrium radiating to back; jaundice with clay-colored stools; strong craving for hot drinks.

Cardus marianus

Liver enlargement, tenderness; alcoholic liver damage; nausea with bitter taste.

Lycopodium clavatum

Bloating, flatulence, liver congestion, worse 4-8 p.m.; craving sweets; right-sided complaints.

Nux vomica

Fatty liver due to alcohol or sedentary lifestyle; irritability; constipation with ineffectual urge.

Phosphorus

Fatty degeneration of liver; burning in stomach and liver region; craving cold drinks; easy bleeding tendency.

Calcarea carbonica

Obese patients with sluggish metabolism, craving eggs, profuse sweating on their head.

Supportive measures

- Balanced diet rich in vegetables, fruits, and lean protein
- Avoid alcohol and refined sugars
- Regular moderate physical activity
- Weight reduction in obese individuals

Conflict of interest

Not available

Financial support

Not available

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