

All you need to know about your Liver

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Where is Liver located ?







Healthcare



Healthy Liver



Weight: 1200-1500g Two lobes: right lobe and left lobe



Diseased Liver





Diseased Liver: Small, shrunken

Weight: 1200-1500g Two lobes: right lobe and left lobe



Functions of the Liver







Vital Functions of Liver

- Processes Healthful Nutrients
- Produces Bile that helps in absorption of Fat
- Manufactures new body protein
- Destroys Toxins
- # Helps the body resist infection
- # Stores Iron



- # Glycogen
- **X** Vitamins A, D, E, K (fat soluable)
- # B12 (water soluable)
- # Iron
- # Copper



Symptoms/Signs of Cirrhosis



Water in Tummy (Ascites)



Jaundice



Esophageal Varices



Liver Cancer



Liver Function Tests: Liver Enzymes

- # Bilirubin
- 🗱 Transaminases
- Aspartate aminotransferase (AST or SGOT)
- Alanine aminotransferase (ALT or SGPT)
- Cholestatic Enzymes
- Alkaline phosphatase (AP)
- Gamma-glutamyl transferase (GGT)



- The liver is the only human organ that has the remarkable property of self-regeneration
- If a part of the liver is removed, the remaining parts can grow back to its original size and shape



Liver regeneration



- Zeus punished Prometheus by chaining him to a cliff and sending an eagle to eat his liver everyday.
- His liver grew again during a night time, so the bird came back and ate it again next day!



Liver Regeneration





Common Diseases of Liver

COMMON LIVER DISEASES	THOSE AT RISK
Hepatitis	Overweight
Alcoholic liver	persons
disease	Those who
Fatty liver	consume alcohol
disease	Hepatitis B or
Non-alcoholic	Hepatitis C
fatty liver disease	patients
Cirrhosis	Fatty liver
Liver cancer	disease patients



Causes Cirrhosis in India





Acute Liver Failure in India





Symptoms of liver damage

- Pale stools
- # Dark urine
- # Jaundice
- Swelling of the abdomen
- Excessive fatigue
- Bruising and easy bleeding
- Pain in the upper right quadrant



Symptoms of Liver Disease





What Causes Fatty Liver ?





Seven Steps Towards Healthy Liver !

- A: Avoid Alcohol
- B: Balanced diet
- C: Control of diabetes , dyslipidemia
- D: Drugs (avoid drugs and toxins)
- E: Exercise
- F: Follow up with doctor
- G: Get vaccinated







Healthy Diet



Bread and Grains 6-11 servings



Exercise







Exercise to keep your liver healthy





- ***** The liver is the largest internal organ in the human body
- The liver is extremely vital for our survival providing numerous functions
- * A healthy liver is a sign of a healthy organism
- Common liver diseases include Viral Hepatitis, Fatty liver disease, Alcoholic liver disease, Liver cancer
- **#** Good lifestyle can keep the liver healthy



