

Is Fatty Liver Dangerous

Liver regeneration The liver is the only visceral organ with the capacity to regenerate. The phenomenon of liver regeneration is seen in all vertebrates, from humans to fish. The liver is the only visceral organ with the capacity Liver regeneration is the process by which the liver is able to replace damaged or lost liver tissue. The process of regeneration in mammals is mainly compensatory growth or hyperplasia because while the lost mass of the liver is replaced, it does not regain its original shape. Liver regeneration is the process by which the liver is able to replace damaged or lost liver tissue. The liver manages to restore any lost mass and adjust its size to that of the organism, while at the same time providing full support for body homeostasis during the entire regenerative process. The liver can regenerate after partial hepatectomy or injury due to hepatotoxic agents such as certain medications, toxins, or chemicals. During compensatory hyperplasia, the remaining liver tissue becomes larger so that the organ can continue to function. Only 10% of the original liver mass is required for the organ to regenerate back to full size. In lower species such as fish, the liver can regain both its original size and mass

People living in large cities in Pakistan are more exposed to the risks of obesity as compared to those in the rural countryside. As in larger cities, consumption of unhealthy diet like fast food and soft drink is common. Beside this, World Health Organization also shows that women have higher rates of obesity as compared to men. Pakistan also has the highest percentage of people with diabetes in South Asia. *P. suvattii* is among the most aggressive of puffers in captivity. Just Like their saltwater cousins, *P. suvatti* contains tetrodotoxin within their skin, organs and teeth. Normally when *P. suvatti* are kept as pets they must be kept in an aquarium by themselves as they have a tendency to always be aggressive and hungry, unless they are well-fed, and thus they will nibble on the other fish's tails, and occasionally will make a meal of the other fish. Because of *P. suvattii*'s eating habits, it should normally only be fed every other day. During a feeding *P. suvattii* will shoot up to the surface and guzzle down large amounts of food causing it to double in size. The arrowhead puffer can be purchased at most pet stores that carry exotic fishes for around 120–180 USD... The fish used as sources do not actually produce omega–3 fatty acids. Instead, the fish accumulate the acids by consuming either microalgae or prey fish that have accumulated omega–3 fatty acids. Fatty predatory fish, like sharks, swordfish, tilefish, and albacore tuna, may be high in omega–3 fatty acids, but

due to their position at the top of the food chain, these species may also accumulate toxic substances through biomagnification. For this reason, the United States Environmental Protection Agency recommends limiting consumption (especially for women of childbearing age) of certain (predatory) fish species (e.g., albacore tuna, shark, king mackerel, tilefish and swordfish) due to high levels of the toxic contaminant... 9ef162aec3 == History == 9ef162aec3 The specific name honours Thai ichthyologist Chote Suvatti, former professor of Kasetsart University, who collected the type specimen at Mekong. 9ef162aec3 The symptoms of ketoacidosis are variable depending on the underlying cause. The most common symptoms include nausea, vomiting, abdominal pain, and weakness. Breath may also develop the smell of acetone as it is a volatile ketone that can be exhaled. Rapid deep breathing, or Kussmaul breathing, may be present to compensate for the metabolic acidosis. Altered mental status is more common in diabetic than alcoholic ketoacidosis. 9ef162aec3

Jamaican vomiting sickness Unripe arils contain concentrations of hypoglycin A that are 20-fold higher than those of ripe arils, and can cause vomiting and even death. Some countries in the Caribbean and Western Africa experience frequent cases. dehydrogenases, so that only unsaturated fatty acids can be fully oxidized. [citation needed] Fatty acids accumulate in the liver in a microvesicular pattern that Jamaican vomiting sickness, also known as toxic hypoglycemic syndrome (THS), acute ackee fruit intoxication, or ackee poisoning, is an acute illness caused by the toxins hypoglycin A and hypoglycin B, which are present in fruit of the ackee tree 9ef162aec3

It can be associated with cardiotoxicity. The most dangerous side effect is cardiac arrhythmias: halofantrine causes significant QT prolongation, and this effect is seen even at standard doses. The drug should therefore not be given to patients with cardiac conduction defects and should not be combined with mefloquine. A survey from 2009 suggests that the drug is safe when correctly... 9ef162aec3

Halofantrine Marketed as Halfan, halofantrine is never used to prevent malaria and its mode of action is unknown, although a crystallographic study showed that it binds to hemozoin in vitro, suggesting a possible mechanism of action. It can be associated with cardiotoxicity. The most dangerous side effect is cardiac arrhythmias: halofantrine Halofantrine is a drug used to treat malaria. Halofantrine's structure contains a substituted phenanthrene, and is related to the antimalarial drugs quinine and lumefantrine. Halofantrine has also been shown to bind to plasmepsin, a haemoglobin degrading enzyme unique to the malarial parasites. headache, itching and elevated liver enzymes 9ef162aec3

== Adverse reactions == 9ef162aec3 A total of 40% of children... 9ef162aec3 Halofantrine can cause abdominal pain, diarrhoea, vomiting, rash, headache, itching and elevated liver enzymes. 9ef162aec3

Cinchophen Fatty degeneration of the heart and kidneys, necrosis of hepatic cells in addition to yellow atrophy of the liver have been recorded Cinchophen (trade names Atophan, Quinophan, and Phenaquin) is an analgesic drug that was first produced by Doebner & Gieskel in 1887, it was commercially introduced in 1908 as a treatment for gout. coma and death. Use of this drug in humans ceased in the 1930s due to the discovery that cinchophen can cause serious liver damage. It can be prepared starting from anilin, benzaldehyde and pyruvic acid in absolute ethanol. This drug is still used, in combination with Prednisolone, by veterinarians to treat arthritis in animals. There is some evidence that it stimulates C-Fos 9ef162aec3

Symptoms may include: 9ef162aec3 The liver is able to regenerate after a partial hepatectomy and damage by hepatotoxins or infection. 9ef162aec3 == Mechanism == 9ef162aec3 == In captivity == 9ef162aec3

Pao suvattii 5 in) SL. the fish or give it red meat or chicken as this can lead to fatty liver disease, which is usually fatal. It is also known as pignose puffer or a Mekong puffer. It is a medium-sized pufferfish, reaching 11. It is locally common in the Lower Mekong basin, and is exclusively a freshwater fish. For a single species aquarium this fish would Pao suvattii, or arrowhead puffer, is a species of pufferfish. 5 cm (4 9ef162aec3

== Signs and symptoms == 9ef162aec3

Hepatocellular carcinoma metabolic syndrome (specifically, when evidence of nonalcoholic fatty liver disease or NAFLD is present) and again evidence of greater risk exists here, too Hepatocellular carcinoma (HCC) is the most common type of primary liver cancer in adults and is currently the most common cause of death in people with cirrhosis. HCC is the third leading cause of cancer-related deaths worldwide 9ef162aec3

Diagnosis can be difficult as serum retinol is not sensitive to toxic levels of vitamin A, but there are effective tests available. Hypervitaminosis A is usually treated by stopping intake of the offending food(s), supplement(s), or medication. Most people make a full recovery. High intake of provitamin carotenoids (such as beta-carotene) from vegetables and fruits does not cause hypervitaminosis A. 9ef162aec3

Fish oil Fish oil is oil derived from the tissues of oily fish. There has been a great deal of controversy in the 21st century about the role of fish oil in cardiovascular disease, with recent meta-analyses reaching different conclusions about its potential impact. Fish oils contain the omega–3 fatty acids eicosapentaenoic acid (EPA) and docosahexaenoic acid. Fish oil is oil derived from the tissues of oily fish. Fish oils contain the omega–3 fatty acids eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA), precursors of certain eicosanoids that are known to reduce inflammation in the body and improve hypertriglyceridemia.

Cinchophen was first introduced in 1908 as 'Atophan' and used for the treatment of gout and arthritis. It was efficacious at reducing the buildup of uric acid and became a popular medicine. Further studies in 1911 and 1912 were successful in isolating metabolites of cinchophen from human urine. During the 1920s, cases of severe adverse effects such as liver damage and cirrhosis had been clinically observed; the first case of jaundice was recorded in 1923 and the first fatality occurred in 1925. Approximately half of all patients experienced toxic effects and by 1932 there were 32 drugs available that contained cinchophen... Fat is more dangerous for South Asians than for Caucasians because the fat tends to cling to organs like the liver instead of the skin. == Signs and symptoms ==

Obesity in Pakistan 2% of individuals over the age of 15 crossing the threshold of obesity. In Pakistan, the problem of excess weight is quite high among adults. Pakistan is ranked 165 (out of 194 countries) in terms of its overweight population, with 22. Urbanisation, fast food, changing lifestyles and the fact that traditional Pakistani Cuisine tends to be high in fat and sugar are among the root causes contributing to obesity in the country. In South Asia, fat is more dangerous for South Asians than for Caucasians because the fat tends to cling to organs like the liver instead of the skin. Obesity in Pakistan is a health issue that has effected concern only in the past few years. This ratio roughly corresponds with other studies, which state one-in-four Pakistani adults as being overweight.

== Presentation == As with any cancer, the treatment and prognosis of HCC varies depending on tumor histology, size, how far the cancer has spread, and overall health of the person. Halofantrine was developed at SRI International for the Walter Reed Army Institute of Research from 1965 to 1975 by a team led by medicinal chemist William Colwell.

Hypervitaminosis A 2102. 1006/jtbi. "Fatty liver in hypervitaminosis A: synthesis and release of hepatic triglycerides" Hypervitaminosis A refers to the toxic effects of ingesting too much preformed vitamin A (retinyl

esters, retinol, and retinal). 2000. doi:10. PMID 10968936. Hypervitaminosis A is believed to have occurred in early humans, and the problem has persisted throughout human history. Singh M, Singh VN (May 1978). Symptoms arise as a result of altered bone metabolism and altered metabolism of other fat-soluble vitamins. Toxicity results from ingesting too much preformed vitamin A from foods (such as liver), supplements, or prescription medications and can be prevented by ingesting no more than the recommended daily amount 9ef162aec3

The vast majority of HCC cases and the lowest survival rates after treatment occur in Asia and sub-Saharan Africa, in countries where hepatitis B infection... 9ef162aec3 HCC most commonly occurs in those with chronic liver disease especially those with cirrhosis or fibrosis, which occur in the setting of chronic liver injury and inflammation. HCC is rare in those without chronic liver disease. Chronic liver diseases which greatly increase the risk of HCC include hepatitis infection such as (hepatitis B, C or D), non-alcoholic steatohepatitis (NASH), alcoholic liver disease, or exposure to toxins such as aflatoxin, or pyrrolizidine alkaloids. Certain diseases, such as hemochromatosis and alpha 1-antitrypsin deficiency, markedly increase the risk of developing HCC. The five-year survival in those with HCC is 18%. 9ef162aec3 Abdominal discomfort begins two to six hours after eating unripe ackee fruit, followed by sudden onset vomiting. In severe cases, profound dehydration, seizures, coma, and death may ensue. Children and those who are malnourished are more susceptible to the disease. 9ef162aec3 Liver regeneration... 9ef162aec3

Ketoacidosis The most common cause of ketoacidosis is diabetic ketoacidosis but it can also be caused by alcohol, medications, toxins, and rarely, starvation. Ketones are primarily produced from free fatty acids in the mitochondria of liver cells. The production of ketones is strongly regulated by insulin and an Ketoacidosis is a metabolic state caused by uncontrolled production of ketone bodies that cause a metabolic acidosis. While ketosis refers to any elevation of blood ketones, ketoacidosis is a specific pathologic condition that results in changes in blood pH and requires medical attention 9ef162aec3

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