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Shifting perspectives – interplay between non-alcoholic fatty liver disease and insulin resistance in lean individuals

Ines Bilic-Curcic *et al.* NAFLD and insulin resistance in lean individuals

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Abstract

Non-alcoholic fatty liver disease (NAFLD) has become a significant public health burden affecting not only obese individuals but also people with normal weight. As opposed to previous beliefs, this particular subset of patients has an increased risk of all-cause mortality and worse outcomes than their obese counterparts. The development of

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Obesity has many adverse health consequences including development of **insulin resistance**, Type 2 diabetes, and the metabolic syndrome. There are also important genetic influences on the likelihood ...

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The literature **consulted** revealed no consensus regarding the need to screen for metabolic syndrome and **non-alcoholic fatty liver disease**, especially in obese children and adolescents and those who ...

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Non-alcoholic fatty liver disease (NAFLD) is rapidly increasing worldwide in parallel to the increased prevalence of obesity. 1 NAFLD is a generic term that refers to a spectrum of lesions ranging from pure steatosis without significant necroinflammatory injury (**non-alcoholic fatty liver** or NAFL) to a complex pattern with active lesions of hepatocyte injury, apoptosis, cell death and ...

Cited by: 142 Author: Pierre Bedossa
Publish Year: 2017

A concise review of non-alcoholic fatty liver disease ...

https://www.sciencedirect.com/science/article/pii/S0021915015000301

Mar 01, 2015 · It is strongly associated with **insulin resistance** and other metabolic risk factors such as diabetes mellitus, central abdominal obesity and dyslipidaemia .NAFLD is an independent risk factor for cardiovascular **disease** (CVD) and predicts future events, independently of other risk factors such as age, gender, low density lipoprotein (LDL) cholesterol, smoking and other features of metabolic risk ...

Cited by: 238 Author: Nwe Ni Than, Philip N. Newsome
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Non-Alcoholic Fatty Liver Disease - an overview ...

https://www.sciencedirect.com/.../non-alcoholic-fatty-liver-disease

Non-alcoholic fatty liver disease (NAFLD) is one of the most common **liver** diseases identified in many societies and is a hepatic manifestation of the **insulin resistance** or metabolic syndrome (Chapter 6). 270 Biochemically, elevations in SF, serum iron, and TS are common, together with variable increases in hepatic iron on histology (Fig. 5.25).

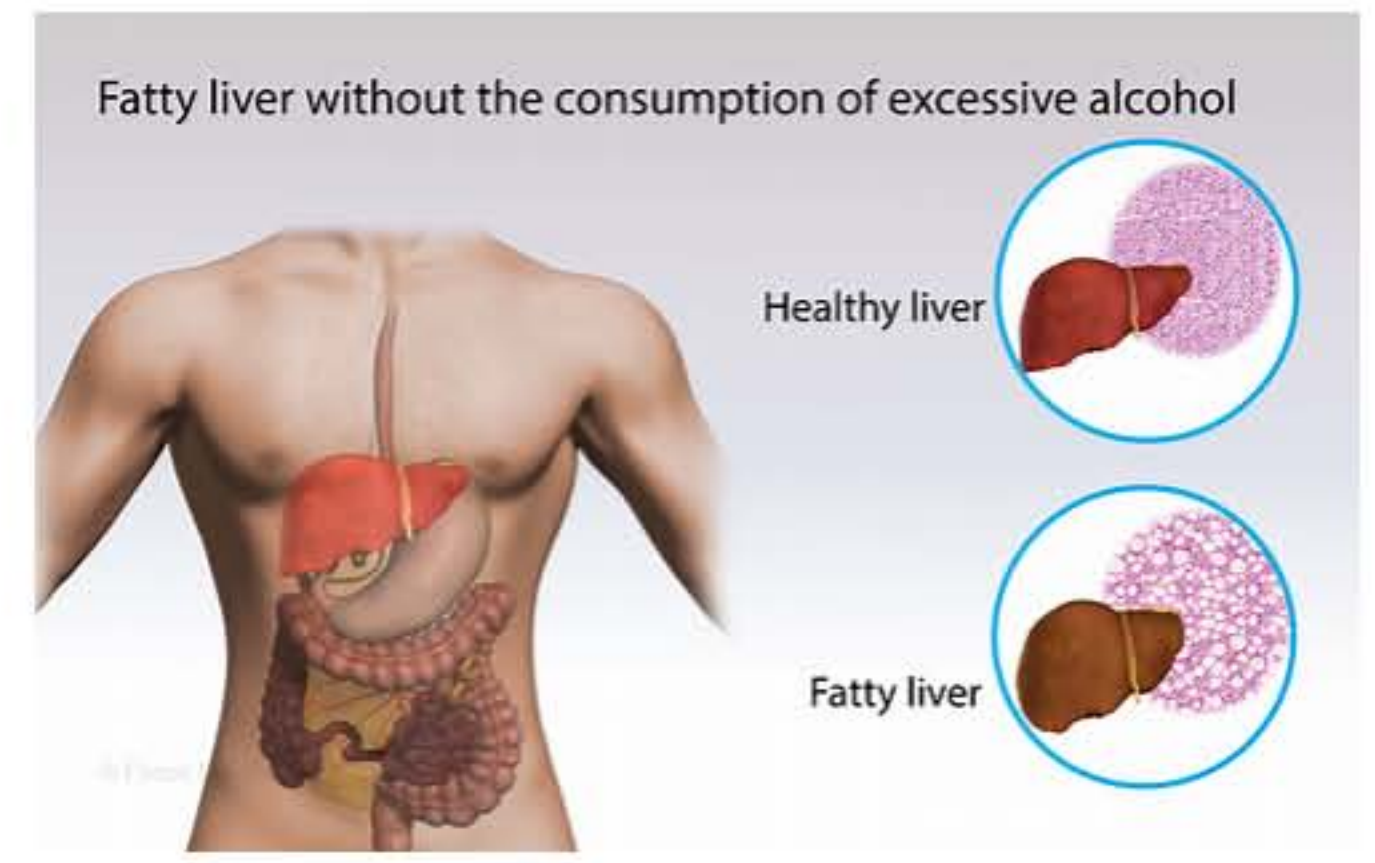
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Is NAFLD related to fructose?

Non-Alcoholic Fatty Liver Disease

Medical Condition



A condition in which fat accumulates in the liver in people who drink little or no alcohol.

- Very common (More than 3 million cases per year in US)
- Requires lab test or imaging
- Treatments can help manage condition, no known cure
- Can last several years or be lifelong

The cause of non-alcoholic fatty liver disease is not clearly understood. It is associated with obesity, insulin resistance, hyperglycemia, and high levels of fat in blood. The condition does not usually cause symptoms. In some cases, fatigue, enlarged liver, and pain in the upper right abdomen is seen. Non-alcoholic fatty liver disease has no specific treatment. It involves treating underlying conditions such as obesity.

Symptoms