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11
Racial disparities in nonalcoholic fatty liver disease clinical trial enrollment: a systematic review and meta-analysis

Patel P *et al.* Racial disparities in NAFLD trials

Parita Patel, Charles Muller, Sonali Paul

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Racial and Ethnic Disparities in Nonalcoholic Fatty Liver Disease Prevalence, Severity, and Outcomes in the United States: A Systematic Review and Meta-analysis Author links open overlay panel Nicole E. Rich * Stefany Oji * Arjmand R. Mufti * Jeffrey D. Browning * Neehar D. Parikh ‡ Mobolaji Odewole * Helen Mayo § Amit G. Singal *
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Nonalcoholic fatty liver disease (NAFLD) is characterized by excessive accumulation of triglycerides in the liver in the absence of excessive alcohol consumption. NAFLD comprises a spectrum of hepatic disorders, ranging from steatosis to steatohepatitis (NASH) and cirrhosis (1, 2).
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Cited by: 1Author: Meng-Wei Xiao, Shi-Xin Lin, Zhao-Hua Shen...
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Retrospective or observational studies, case reports or reviews, and studies with non-human subjects or non-English language were excluded. Hispanic trial participation was compared to the estimated NAFLD disease prevalence in Hispanics, estimated to be 23% based on a recent meta-analysis 1.

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Background and Aims. Probiotics was considered as a potential therapy for nonalcoholic fatty liver disease (NAFLD) without approval and comprehensive assessment in recent years, which call for a meta-analysis. Methods . We performed electronic and manual searches including English and Chinese databases published before April 2019, with the use of mesh term and free text of “nonalcoholic ...
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Sep 25, 2019 · Effects of probiotics on nonalcoholic fatty liver disease: a systematic review and meta-analysis Yao Tang , Juan Huang , Wen yue Zhang , Si Qin , Yi xuan Yang , ...
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Epidemiology of non-alcoholic fatty liver disease-related ...
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Non-alcoholic fatty liver disease (NAFLD) is now the most common cause of liver disease worldwide, and represents an increasingly important cause of hepatocellular carcinoma (HCC). As the prevalence of NAFLD has increased, the burden of NAFLD-related HCC has been rising in parallel.

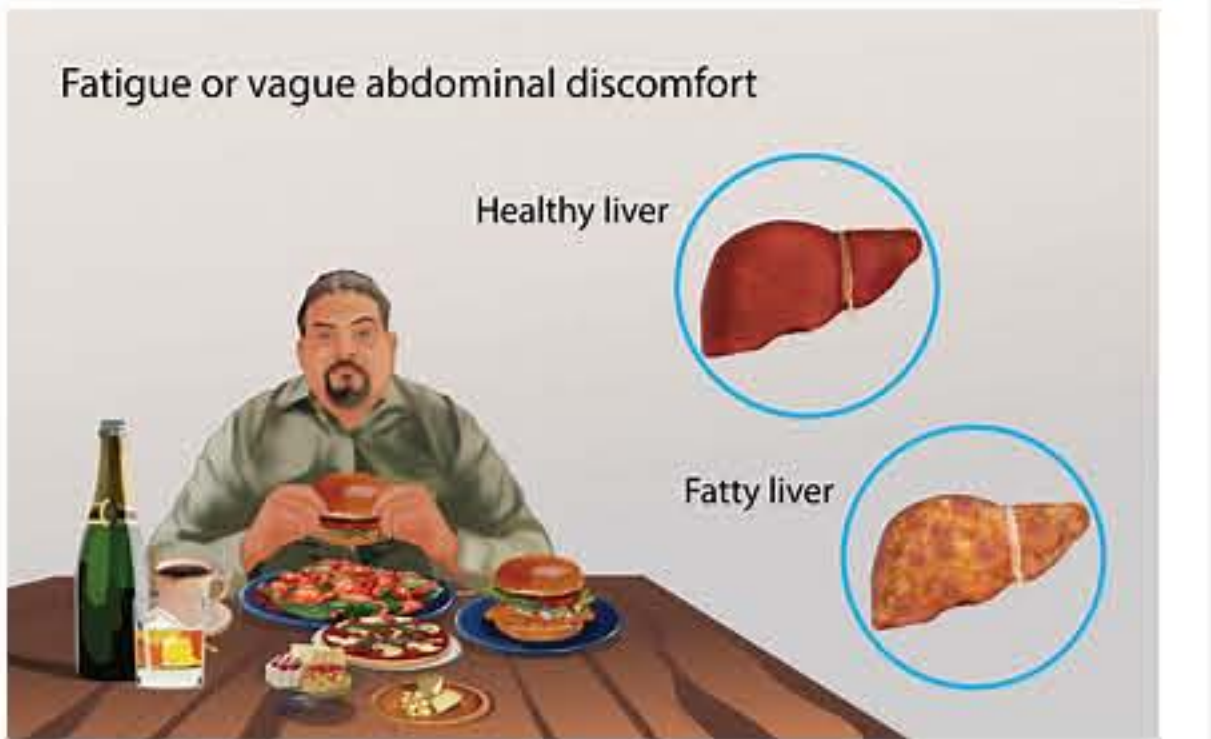
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Sep 28, 2014 · Core tip: This is a review in non-alcoholic fatty liver disease (NAFLD) that puts the disease into context, highlights the recent advances in pathology, and gives special focus to the diagnosis and management of those patients. We present NAFLD patients in a holistic view, understanding that it many cases thinking outside the liver, namely in the cardiovascular and neoplastic risk, may have a ...
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Racial and socioeconomic disparities have been well described in the survival of patients with HCC 4. Although prior studies have suggested difference in tumor biology and/or surveillance rates, our meta-analysis highlights the importance of socio-demographic disparities in treatment utilization.
Cited by: 63Author: Debra Tan, Adam Yopp, Muhammad S Beg,...
Publish Year: 2013

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Fatty Liver

Medical Condition



- Excessive build-up of fat in the liver.
- Very common (More than 3 million cases per year in US)
- No vaccine available
- Requires lab test or imaging
- Treatment from medical professional advised
- Can last several weeks or months

The causes are alcoholism, obesity, diabetes and infections. Symptoms are weakness, weightloss and abdominal discomfort. Treatment includes attending the underlying cause.

Symptoms

Fatty liver could be symptomless for many years or decades. Notable symptoms include:

- Enlarged liver
- Pain in the area of liver
- Tiredness
- Loss of appetite
- Weight loss
- Weakness
- Nausea
- Trouble concentrating and making decisions
- Confusion
- Dark colored skin on the neck or under the arms
- In alcoholic liver disease, the symptoms worsen following a period of heavy drinking

Treatments

There is no specific treatment for fatty liver. It is a reversible condition that can be managed by making some lifestyle modifications to treat the underlying cause. Medications to manage conditions such as increased blood sugar and cholesterol levels may be prescribed.

- Self care
- If the cause is alcohol abuse, quit drinking.
 - If the cause is a prolonged diet containing foods with a high proportion of calories coming from lipids, undergo a weight loss program.

Causes

Fatty liver occurs when the body creates excessive fat or cannot quickly metabolize fat. Common causes of fatty liver include:

- Alcoholism
- Gender: Women are more prone to fatty liver than men, because of difference in working of liver
- Family history
- Pregnancy
- Obesity and overweight
- High blood cholesterol levels
- Diabetes
- Hepatitis C infection
- Increased amounts of iron in the body
- Certain medications such as aspirin, steroids, tetracycline
- Autoimmune disease
- Malnutrition
- Weight loss

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To characterize the prevalence of **Non-Alcoholic Fatty Liver Disease** (NAFLD) by race in a nationally representative sample of the U.S. population and to investigate potential explanatory factors for **racial disparities**. Cross-sectional study of 4,037 non-Hispanic ...

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Feb 01, 2018 · In a systematic review and meta-analysis, we found significant **racial** and **ethnic disparities** in **NAFLD prevalence** and severity in the United States, with the highest burden in Hispanics and lowest burden in Blacks. However, data are discordant on **racial** or ethnic differences in outcomes of patients with **NAFLD**.

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Publish Year: 2017

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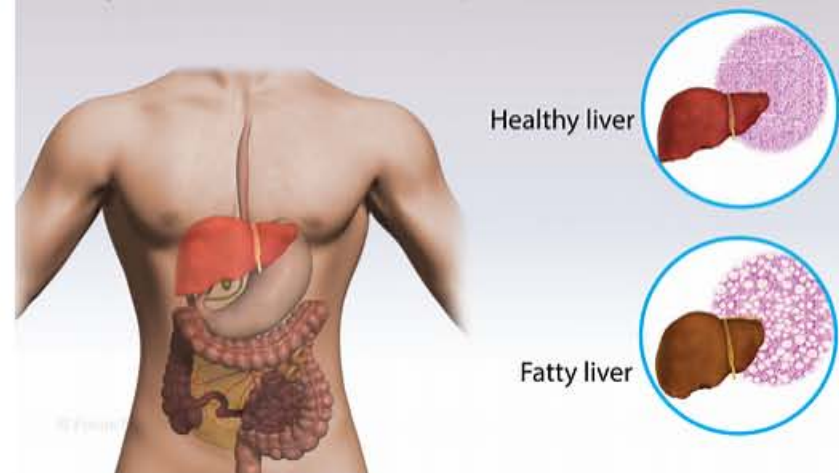
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Non-Alcoholic Fatty Liver Disease

Medical Condition

Fatty liver without the consumption of excessive alcohol



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



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Cited by: 76**Author:** Nicole E. Rich, Stefany Oji, Arjmand R. M...**Publish Year:** 2017

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To characterize the prevalence of **Non-Alcoholic Fatty Liver Disease** (NAFLD) by race in a nationally representative sample of the U.S. population and to investigate potential explanatory factors for **racial disparities**. Cross-sectional study of 4,037 non-Hispanic ...

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Health Disparities in Liver Disease

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Indeed, a recent **review** article in this journal by Nguyen and Thuluvath provides a comprehensive overview of **racial** and ethnic **disparities in liver disease**. **Disparities** due to socioeconomic status -- regardless of race and ethnicity -- have also been demonstrated for important hepatic risk factors such as injection drug use (30), obesity and ...

Cited by: 18**Author:** Jennifer Guy, Hal F. Yee**Publish Year:** 2009

Nonalcoholic fatty liver disease: a systematic review ...

<https://www.semanticscholar.org/paper/Nonalcoholic...>

IMPORTANCE **Nonalcoholic fatty liver disease** and its subtype **nonalcoholic** steatohepatitis affect approximately 30% and 5%, respectively, of the US population. In patients with **nonalcoholic** steatohepatitis, half of deaths are due to cardiovascular **disease** and malignancy, yet awareness of this

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