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Author: Mi-Young Park, Su Jeong Kim, Eun Kyeul Ko, Sung-Hoon Ahn, Hyewon Seo, Mi-Kyung Sung

Cited by: 23

Publish Year: 2016

[Gut microbiota-associated bile acid deconjugation ...](https://sfamjournals.onlinelibrary.wiley.com/doi/full/10.1111/jam.13158)
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Author: Winston Hernández-Ceballos, Jacque... **Publish Year:** 2021

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Author: Winston Hernández-Ceballos, Jacque... **Publish Year:** 2021

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Alcohol-associated liverdisease(ALD)andnon-alcoholic **fatty liver disease** (NAFLD) are global health burdens with growing incidence. With an overall prevalence of 6% and 25%, respec-tively, ALD and...

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Feb 05, 2015 · Dysbiosis gut **microbiota associated** with inflammation and impaired mucosal immune function in intestine of humans with non-alcoholic **fatty liver disease**. Non-alcoholic **fatty liver disease**...

Cited by: 390 **Author:** Weiwei Jiang, Na Wu, Xuemei Wang, Yuji...

Publish Year: 2015

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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

It is usually asymptomatic. Symptoms may include:

- Fatigue
- Enlarged liver
- Pain the upper right abdomen
- Ascites (swelling in the belly)
- Jaundice
- Enlarged spleen

If it progresses to cirrhosis, the following symptoms are seen:

- Enlarged breasts in men
- Red palms
- Internal bleeding
- Fluid retention

Treatments

Non-alcoholic fatty liver disease has no specific treatment. It involves treating underlying conditions such as obesity.

Medication

- Insulin sensitizers: Controls blood sugar (given to patients of Type 2 diabetes).
[Metformin](#)
- Supplements: Improves liver histology in nondiabetic adults.
[Vitamin E](#)
- Statins: Lipid-lowering drugs to treat abnormal blood lipids.
[Atorvastatin](#)

Self care

- Adopting a healthy lifestyle is the main way to manage NAFLD.
- Weight loss: Losing more than 10% of your weight can remove fat from the liver and improve the condition.
- Physical exercise: Exercise for at least 30 minutes every day. It improves symptoms even if you don't lose weight.
- Have a balanced diet including plenty of fruits and vegetables.
- Controlling diabetes and cholesterol levels.
- Avoid alcohol.

Medical procedures: Liver transplantation

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Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 68392

Manuscript Type: FRONTIER

Significance of gut microbiota in alcoholic and non-alcoholic fatty liver diseases

Sharma SP *et al.* Gut-microbiota in fatty liver disease

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Gut Microbiota in Non-Alcoholic Fatty Liver Disease and ...

<https://pubmed.ncbi.nlm.nih.gov/31840358>

In particular, in **non-alcoholic fatty liver** disease and **alcohol**-related **liver** disease, the two most common causes of chronic **liver** disease, a dysbiotic **gut microbiota** can influence intestinal permeability, allowing some pathogens or bacteria-derived factors from the **gut** reaching the **liver** through the enterohepatic circulation contributing to ...

Gut--liver axis: the impact of gut microbiota on non ...

<https://pubmed.ncbi.nlm.nih.gov/22546554>

Aim: To examine the impact of **gut microbiota** on **non alcoholic fatty liver** disease (NAFLD) pathogenesis.
Data synthesis: Emerging evidence suggests a strong interaction between **gut microbiota** and **liver**.
Receiving approximately 70% of its blood supply from the intestine, the **liver** represents the first line of defence against **gut**-derived antigens.

Cited by: 408

Author: D. Compare, P. Coccoli, A. Rocco, O.M. Nar...

Publish Year: 2012