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Intestinal permeability in the pathogenesis of liver damage: From non-alcoholic fatty liver disease to liv

Nicoletti A *et al.* Intestinal permeability and liver diseasesAlberto Nicoletti, Francesca Romana Ponziani, Marco Biolato, Venanzio Valenza, Giuseppe Marrone, Ga
Miele, Antonio Grieco**Abstract**

The intimate connection and the strict mutual cooperation between the gut and the liver realizes a functional of intestinal barrier is crucial for the maintenance of liver homeostasis. In this mutual relationship, the potentially harmful substances translocated from the gut, and is, in turn, is implicated in the regulation highlighted the relevance of increased intestinal permeability and consequent bacterial translocation in particular, in patients with non-alcoholic fatty liver disease recent hypotheses are considering intestinal dysbiosis as the primary pathogenic trigger. In advanced liver disease, intestinal permeability is enhanced consequence is an increased bacterial translocation that further worsens liver damage. Furthermore, this path of liver cirrhosis complications, such as spontaneous bacterial peritonitis, hepatorenal syndrome, portal hypertension and hepatocellular carcinoma. After liver transplantation, the decrease in portal pressure should determine although are incompletely understood data on the modifications of the intestinal permeability and gut microbiota the modulation of the intestinal permeability could prevent the initiation and progression of liver disease requires further attention.

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Increased **intestinal permeability** and tight junction ... - Miele - 被引用次数: 896

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Gut microbiota and probiotics in chronic **liver diseases** - Cesaro - 被引用次数: 163

Gut–Liver Axis Derangement in Non-Alcoholic Fatty Liver Disease

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作者: M Poeta - 2017 - 被引用次数: 30 - 相关文章

2017年8月2日 - Non-alcoholic **fatty liver disease** (NAFLD) is the most frequent type of chronic ...

Keywords: children, endotoxin, gut–liver axis, GLA, **intestinal permeability**, microbiota, ... **liver transplantation** may be already needed in young adulthood [7] derangements involved in **NAFLD pathogenesis** and progression; ...

Hepatocellular Carcinoma Is Associated With Gut Microbiota Profile ...

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2018年7月10日 - (2)Hepato-Bilio-Pancreatic Surgery and **Liver Transplantation**, ... plays a pivotal role in the **pathogenesis** of nonalcoholic **fatty liver disease** (NAFLD), ... for gut microbiota profile, **intestinal permeability**, inflammatory status, and ...

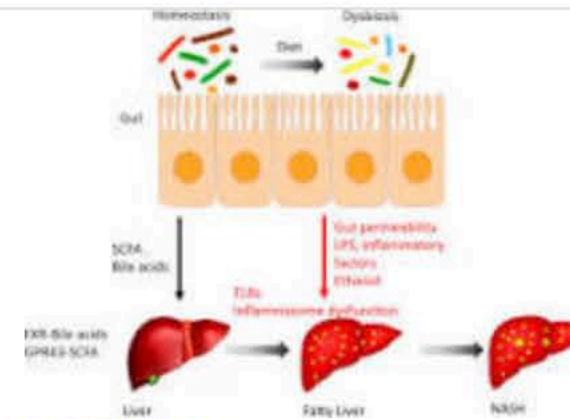
Non-alcoholic fatty liver and the gut microbiota - NCBI

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作者: S Bashirades - 2016 - 被引用次数: 81 - 相关文章

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In up to 25% of NAFLD patients, the **disease** may evolve into a progressive form of **liver disease** named **non-alcoholic** steatohepatitis (NASH). NASH is defined as an inflammatory response to **hepatic fat** accumulation, resulting in chronic **liver damage**, scarring, and fibrosis.



Non-alcoholic fatty liver and the gut microbiota - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S2212877816300564>

? 이 결과에 관한 정보

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Pathogenesis of non-alcoholic fatty liver disease - NCBI

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2810391/> ▼ 이 페이지 번역하기

JK Dowman 저술 - 2010 - 588회 인용 - 관련 학술자료

2009. 11. 13. - **Non-alcoholic fatty liver disease** (NAFLD) represents a spectrum of ... or steatosis , increases susceptibility of the **liver** to **injury** mediated by Small intestinal bacterial overgrowth and increased **gut permeability** have **Liver transplantation** remains the only curative **treatment** option for end-stage cirrhosis.

[Introduction](#) · [NAFLD pathogenesis](#) · [Current and emerging ...](#) · [Conclusions](#)

Gut-Liver Axis Derangement in Non-Alcoholic Fatty Liver Disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5575588/> ▼ 이 페이지 번역하기

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Pathogenesis of non-alcoholic fatty liver disease

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2810391>

Nov 13, 2009 · Non-alcoholic **fatty liver disease** (NAFLD) represents a spectrum of **disease** ranging from hepatocellular steatosis through steatohepatitis to fibrosis and irreversible cirrhosis. The prevalence of NAFLD has risen rapidly in parallel with the dramatic rise in obesity and diabetes, 1,2 and is rapidly ...

Cited by: 498

Author: Joanna Dowman, Jeremy Tomlinson, Phil...

Publish Year: 2010

UpToDate

<https://www.uptodate.com/contents/pathogenesis-of-nonalcoholic-fatty-liver-disease>

The severity of nonalcoholic **fatty liver disease** is associated with gut dysbiosis and shift in the metabolic function of the gut microbiota. Hepatology 2016; 63:764. Caussy C, Hsu C, Lo MT, et al. Link between gut-microbiome derived metabolite and shared gene-effects with hepatic steatosis and fibrosis in NAFLD.

New insights and therapeutic implication of gut microbiota ...

<https://www.sciencedirect.com/science/article/pii/S0304383519303477>

Non-alcoholic **fatty liver disease** (NAFLD) is a form of hepatic steatosis with the accumulation of fat in the **liver**, in the absence of alcohol use. NAFLD is a **disease** of increasing interest as its prevalence is on the rise; 30% of the adult population and 80% of obese individuals are affected by the **disease**, making it the most common chronic ...

Increased intestinal permeability and tight junction ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.22848>

May 28, 2009 · The idea that increased **intestinal permeability** and gut flora might contribute to the development of several diseases was first suggested in 1890 (Llewellyn Jones: "Theory of auto-intoxication from gut bacteria"). 17 The occurrence of cross-talk between the gut and the **liver** is an intriguing hypothesis that could explain the ...

Cited by: 915

Author: Luca Miele, Venanzio Valenza, Giuseppe ...

Publish Year: 2009

Intestinal microbiota in liver disease - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/S1521691816000081>

The **intestinal** microbiota have emerged as a topic of intense interest in gastroenterology and hepatology. The **liver** is on the front line as the first filter of nutrients, toxins and bacterial metabolites from the intestines and we are becoming increasingly aware of interactions among the gut, **liver** and immune system as important mediators of **liver** health and **disease**.

Cited by: 28

Author: Tanvir R. Haque, A. Sidney Barritt