

Gut microbiome can modulate the immune response in liver ...

<https://www.news-medical.net/news/20210204/Gut...> ▾

Feb 04, 2021 · The distinctive gut microbiome profile of a person with liver cancer linked to non-alcoholic fatty liver disease (NAFLD) could be the key to predicting someone's risk of developing the cancer, say ...

Promotion and induction of liver cancer by gut microbiome ...

<https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1007954> ▾

Sep 05, 2019 · Antibiotics represent one of the promising strategies for the prevention of liver cancer because they target several bacteria and pathways in the gut–liver axis [19]. Vancomycin treatment, which depletes Clostridium, can increase liver NKT cell accumulation and block liver cancer development [10, 13].

Cited by: 7

Author: Baolei Jia, Baolei Jia, Che Ok Jeon

Publish Year: 2019

Frontiers | Aspects of Gut Microbiota and Immune System ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.01830> ▾

Aug 15, 2018 · As stated above, the gut microbiota provides signals to stimulate the normal development of the immune system as well as the maturation of immune cells (44 – 46). The microbiota stimulates the secretory IgA response that is involved in inactivating rotaviruses, competes Clostridium difficile colonization, and neutralizes cholera toxin (47).

Cited by: 188

Author: Veronica Lazar, Lia-Mara Ditu, Gratiela Gr...

Publish Year: 2018

Gut microbiota impact on the peripheral immune response ...

<https://www.nature.com/articles/s41467-020-20422-7>

Jan 08, 2021 · Ohtani, N. & Kawada, N. Role of the gut–liver axis in liver inflammation, fibrosis, and cancer: a special focus on the gut microbiota relationship. Hepatol. Commun. 3 , 456–470 (2019).

Cited by: 1

Author: Jason Behary, Jason Behary, Nadia Amor...

Publish Year: 2021

Gut Microbiota Shapes the Efficiency of Cancer Therapy

<https://www.frontiersin.org/articles/10.3389/fmicb.2019.01050> ▾

Alteration of Gut Microbiota and Its Impact on Immune ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8274626>

Jul 06, 2021 · Increasing pieces of evidence have shown that **gut microbiota** plays an important role in the **development** of **liver disease**, pathogenesis, and response to **treatment**. 1, 12 **Gut microbial** alteration is a cause of **systemic immune** activation in chronic HBV infection.

Author: Yeshimebet Kassa, Yihenew Million, Ale... **Publish Year:** 2021

The Gut Microbiota-Derived Immune Response in Chronic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8347749>

The immune system is affected by the metabolites of the microbiome, and diet is the primary regulator of the microbiota composition and function in the gut–liver axis. These metabolites can be used as **therapeutic** material, and postbiotics, in the future, can increase or decrease human immunity by modulating inflammation and immune reactions.

Author: Sung-Min Won, Eunju Park, Jin-Ju Jeon... **Publish Year:** 2021

The gut microbiome and liver cancer: mechanisms and ...

<https://www.nature.com/articles/nrgastro.2017.72>

Jul 05, 2017 · The mechanisms by which the **gut microbiota** promotes the **development** of **liver** disease and HCC include dysbiosis, which results in altered bacterial metabolites such as the **cancer**-promoting ...

Cited by: 209

Author: Le-Xing Yu, Robert F. Schwabe

Publish Year: 2017

Promotion and induction of liver cancer by gut microbiome

Name of Journal: *World Journal of Gastrointestinal Oncology*

Manuscript NO: 64819

Manuscript Type: REVIEW

Gut microbiota and immune system in liver cancer: Promising therapeutic implication from development to treatment

Bartolini I *et al.* Gut microbiota, immune system, and liver cancer

Abstract

Liver cancer is a leading cause of death worldwide, and hepatocellular carcinoma (HCC) is the most frequent primary liver tumour, followed by cholangiocarcinoma (CCA). Notably, secondary tumours represent up to 90% of liver tumours. Chronic liver disease is a recognised risk factor for liver cancer development. Up to 90% of the patients with HCC and about 20% of those with CCA have an underlying liver alteration.

The gut microbiota-liver axis represents the bidirectional relationship between gut

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Author: Yeshimebet Kassa, Yihenew Million, ... Publish Year: 2021

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Frontiers | Aspects of Gut Microbiota and Immune System ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2018.01830> ▼

Aug 15, 2018 · The **microbiota** consists of a dynamic multispecies community of bacteria, fungi, archaea, and protozoans, bringing to the host organism a dowry of cells and genes more numerous than its own. Among the different non-sterile cavities, the human **gut** harbors the most complex **microbiota**, with a strong impact on host homeostasis and immunostasis, being thus essential for maintaining the health ...

Cited by: 237

Author: Veronica Lazar, Lia-Mara Ditu, Gratiela Gr...

Publish Year: 2018