Gut microbiome can modulate the immune response in liver cancer
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: Eunseul Jia, Baele Ki, Cho Ok Jo...n
Publish Year: 2019

Frontiers | Aspects of Gut Microbiota and Immune System
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 (44–49). The microbiota stimulates the secretory IgA response that is involved in neutralizing enterotoxins, competes Clostridium difficile colonization, and neutralizes cholera toxin
Cited by: 188 · Author: Veronica Lazar, Lia-Maria Dita, Graziela Gr...n
Publish Year: 2018

Gut microbiota impact on the peripheral immune response
https://www.nature.com/articles/s41467-020-20422-7
Cited by: 1 · Author: Jason Behary, Jason Behary, Nadia Amor...n
Publish Year: 2021

Gut Microbiota Shapes the Efficiency of Cancer Therapy
Alteration of Gut Microbiota and Its Impact on Immune System
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 Disease
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 probiotics, 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 clinical relevance
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 microbiota
Name of Journal: World Journal of Gastroenterology
Manuscript NO: 66815
Manuscript Type: REVIEW

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

Authors: [List of authors]

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 98% of the patients with HCC and about 20% of those with CCA have an underlying liver alteration.
The gut microbiome and liver cancer: mechanisms and ...
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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 ...
Cited by: 209  Author: Le-Xing Yu, Robert F. Schwabe
Publish Year: 2017

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https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8274626
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Publish Year: 2021

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: 9  Author: Baolei Jia, Baolei Jia, Che Ok Jeon
Publish Year: 2019

Frontiers | Aspects of Gut Microbiota and Immune System ...
Aug 15, 2018 · The microbiota consists of a dynamic multispecies community of bacteria, fungi, archaeb, 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...