

Overgrowth of Lactobacillus in gastric cancer



ALL IMAGES VIDEOS

3,080,000 Results Any time ▾

[PDF] [Microbial community reshaped in gastric cancer](https://www.europeanreview.org/wp/wp-content/uploads/7257-7264.pdf)

<https://www.europeanreview.org/wp/wp-content/uploads/7257-7264.pdf>

Lactobacillus is enriched in gastric cancer¹⁴. This has been verified by various studies^{14,15,37}. Lactobacillus is capable of tolerating acid and proliferating under weak acid conditions³⁸. Elevated pH in the carcinogenic process of stomach probably facilitates the overgrowth of Lactobacillus, resulting in its enrichment in gastric cancer.

[Gastric colonisation with a restricted commensal ...](https://pubmed.ncbi.nlm.nih.gov/23812323)

<https://pubmed.ncbi.nlm.nih.gov/23812323>

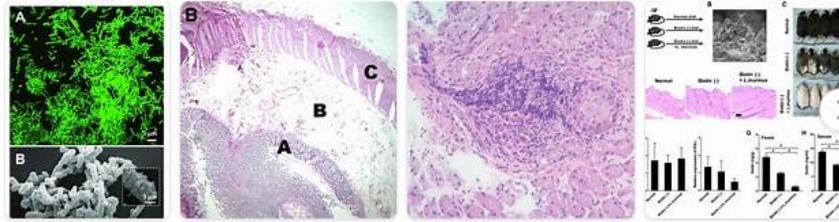
Lesions were less severe in females and none developed GIN. Gastritis in male rASFHp mice was accompanied by decreased Clostridium species ASF356 and Bacteroides species ASF519 colonisation and an overgrowth of Lactobacillus murinus ASF361, supporting that inflammation-driven atrophy alters the gastric niche for GI commensals.

Cited by: 181 Author: Kvin Lertpiriyapong, Mark T Whary, Sures...

Publish Year: 2014

Images of Overgrowth of Lactobacillus in Gastric Cancer

<bing.com/images>



See all images >

[Bacterial overgrowth and diversification of microbiota in ...](https://journals.lww.com/eurojgh/Fulltext/2016/03000/Bacterial_overgrowth_and...)

https://journals.lww.com/eurojgh/Fulltext/2016/03000/Bacterial_overgrowth_and...

ALL IMAGES VIDEOS

642,000 Results Any time

Bacterial overgrowth and diversification of microbiota in ...
https://journals.lww.com/eurojgh/Fulltext/2016/03000/Bacterial_Overgrowth_and...
Jul 23, 2015 In agreement with recent studies 30,31, Lactobacillus and Lachnospiraceae uncultured were found to be more abundant in gastric cancer. This possibly reflects the reduced bactericidal capacities resulting from the lowered acid production in the stomach 32.

Bacterial overgrowth and diversification of microbiota in ...
europepmc.org/articles/PMC4739309
Mar 01, 2016 At the genus level, however, five genera of bacteria were enriched in gastric cancer. These included Lactobacillus, Escherichia-Shigella, Nitrospirae, Burkholderia fungorum, and Lachnospiraceae uncultured. Of particular interest, Nitrospirae was present in all patients with gastric cancer, but absent in patients with chronic gastritis.
Cited by: 107 Author: Lili Wang, Jianhua Zhou, Yongning Xin, Cha...
Publish Year: 2016

PEOPLE ALSO ASK
Why is there no research on the gastric microbiota?
Why is the microbiota of the stomach sterile?
How does H pylori affect the gastric microflora?
How does reflux affect the colonization of bacteria in the stomach?

Feedback

PDF Microbial community reshaped in gastric cancer
https://www.europeanreview.org/wp/wp-content/uploads/7257-7264.pdf
Lactobacillus is enriched in gastric cancer 14. This has been verified by various studies 14,15,37. Lactobacillus is capable of tolerating acid and proliferating under weak acid conditions38. Elevated pH in the carcinogenic process of stomach probably facilitates the overgrowth of Lactobacillus, resulting its enrichment in gastric cancer.

Gastric colonisation with a restricted commensal ...
https://pubmed.ncbi.nlm.nih.gov/23812323
Lesions were less severe in females and none developed GIN. Gastritis in male rASPIp mice was accompanied by decreased Clostridium species ASF356 and Bacteroides species ASF519 colonisation and an overgrowth of Lactobacillus murinus ASF361, supporting that inflammation-driven atrophy alters the gastric niche for OI commensals.
Cited by: 196 Author: Kvin Lertpiriyapong, Mark T Whary, Sureshk...
Publish Year: 2014

Microbial carcinogenesis: Lactic acid bacteria in gastric ...
https://www.sciencedirect.com/science/article/pii/S0304419X19301106
Dec 01, 2019 Gastric cancer (GC) is the 8th most common cancer worldwide [1,42] and is considered a leading cause of cancer death globally [43,44] despite declining incidence and prevalence rates. In fact, in 2013, GC was the third most common cause of cancer-related deaths in developed countries, accounting for 984,000 new cases and 841,000 deaths ...
Cited by: 24 Author: Karla Vinasco, Hazel M. Mitchell, Nadeem ...
Publish Year: 2019

Excessive Growth of Bacteria May Also Be Major Cause of ...
https://www.hhmi.org/news/excessive-growth...
The researchers say their work suggests that long-term treatment of patients with potent acid blockers, called proton pump inhibitors, which produce a more alkaline environment that is unfriendly to acid-tolerant Helicobacter pylori, may actually allow the overgrowth of other types of bacteria, including Lactobacillus, Enterobacter, Staphylococcus and Probionbacterium. Overgrowth is excessive ...

Related searches for Overgrowth of Lactobacillus in gastric cancer

- treatment for lactobacillus overgrowth
vaginal lactobacillus overgrowth symptoms
lactobacillus
treatment for lactobacillus in urine
lactobacillus infection vagina
lactobacillus vaginitis
where is lactobacillus found
different types of lactobacillus

Some results are removed in response to a notice of local law requirement. For more information, please see here.

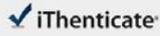
Related searches

- treatment for lactobacillus
vaginal lactobacillus overgrowth symptoms
lactobacillus
treatment for lactobacillus in urine
lactobacillus infection vagina
lactobacillus vaginitis
where is lactobacillus found
different types of lactobacillus

Search Tools

Turn off Hover Translation (关闭翻译)

Add the Olive with Bing extension
Make a difference for a nonprofit, simply by searching on Bing
MAYBE LATER YES



Name of Journal: *World Journal of Gastrointestinal Oncology*
Manuscript NO: 64677
Manuscript Type: MINIREVIEWS

Overgrowth of *Lactobacillus* in gastric cancer

Li ZP *et al.* *Lactobacillus* in GC

Zhi-Peng Li, Ju-Xin Liu, Lin-Lin Lu, Li-Li Wang, Lin Xu, Zong-Hao Guo, Quan-Jiang Dong

Abstract

The dysbiotic gastric microbiome is involved in the development of gastric cancer (GC). A number of studies have demonstrated an increase in the relative abundance of *Lactobacillus* in GC. In this review, we present data that support the overgrowth of *Lactobacillus* in GC from studies on molecular and bacterial culture of the gastric microbiome: discuss heterogenic effects of *Lactobacillus* on the health of human stomach:

Match Overview

1	Crossref 86 words Karia Vinicio, Hazel M. Mitchell, Nadeem O. Kadirouh, Natalia Castaño-Rodriguez. "Microbial carcinogenesis: Lactic ...	2%
2	Crossref 64 words Mano Del Piano, Andrea Anderloni, Marco Bazzani, Marco Bazzani <i>et al.</i> "The Innovative Potential of <i>Lactobacillus rham</i> ...	2%
3	Crossref 43 words Majid Estlami, Bahman Yousefi, Parviz Kokhaei, Ali Jazayeri Moghadam, Bizhan Sadighi Moghadam, Vahid Arabkari, Zohr...	1%
4	Crossref 18 words Gregory Naylor, Anthony Avron. "Role of Bacterial Overgro... in the Stomach as an Additional Risk Factor for Gastrite...	1%
5	Crossref 15 words "Helicobacter zylae", Springer Science and Business Media LLC, 2003	1%
6	Crossref 12 words Rohrerbacher, D. "Burden of <i>Helicobacter pylori</i> and <i>H. pyl</i> ... on related diseases in developed countries: recent develo...	<1%

国内版 国际版

Overgrowth of Lactobacillus in gastric cancer



ALL IMAGES VIDEOS

586,000 Results Any time ▾

Lactobacillus is en-riched in gastric cancer¹⁴. This has been verified by various studies ^{14,15,37}. Lactobacillus is capable of tolerating acid and proliferating under weak acid conditions³⁸. **Elevated pH** in the carcinogenic process of stomach probably facilitates the overgrowth of Lactobacillus, resulting its enrichment in gastric cancer.

Microbial community reshaped in gastric cancer

www.europeanreview.org/wp/wp-content/uploads/7257-7264.pdf

Was this helpful?

PEOPLE ALSO ASK

How are lactobacilli related to the gut microbiome? ▾

How is Lactobacillus related to Crohn's disease? ▾

How does Lactobacillus prevent or reverse intestinal damage? ▾

What is the role of Lactobacillus in multiple sclerosis? ▾

Feedback

Bacterial overgrowth and diversification of microbiota in ...

https://journals.lww.com/eurojgh/Fulltext/2016/03000/Bacterial_overgrowth_and...

Jul 23, 2015 · In agreement with recent studies ^{30,31}, Lactobacillus and Lachnospiraceae uncultured were found to be more abundant in gastric cancer. This possibly reflects the reduced bactericidal capacities resulting from the lowered acid production in the stomach ³².

Bacterial overgrowth and diversification of microbiota in ...

europepmc.org/articles/PMC4739309 ▾

Mar 01, 2016 · At the genus level, however, five genera of bacteria were enriched in gastric cancer. These included Lactobacillus, Escherichia–Shigella, Nitrospirae, Burkholderia fungorum, and Lachnospiraceae uncultured. Of particular interest, Nitrospirae was present in all patients with gastric cancer, but absent in patients with chronic gastritis.