

Name of Journal: *World Journal of Gastroenterology*

Manuscript NO: 57235

Manuscript Type: MINIREVIEWS

Exploring the food-gut axis in immunotherapy response of cancer patients

Edda Russo, Giulia Nannini, Monica Dinu, Giuditta Pagliai, Francesco Sofi, Amedeo Amedei

Abstract

Nowadays, immunotherapy is widely used to treat different cancer types as it boosts the body's natural defenses against the malignancy, with lower risk of adverse events compared to the traditional treatments. The immune system is able to control cancer

Match Overview

1	Internet 84 words crawled on 22-Mar-2019 www.mdpi.com	2%
2	Internet 77 words crawled on 06-Sep-2019 cms.aacr.org	2%
3	Crossref 68 words Clélia Coutzac , Jean-Mehdi Jouniaux , Angelo Paci , Julien Schmidt et al. "Systemic short chain fatty acids limit antitumor immunity in colorectal cancer", <i>Cancer Research</i> , 2019	1%
4	Internet 64 words crawled on 10-Aug-2020 www.jci.org	1%
5	Internet 50 words crawled on 29-Apr-2020 clinicaltrials.gov	1%
6	Crossref 49 words Weina Li , Yu Deng , Qian Chu , Peng Zhang . "Gut microbiome and cancer immunotherapy", <i>Cancer Letters</i> , 2019	1%
7	Internet 32 words crawled on 28-Dec-2019	1%



ALL

IMAGES

VIDEOS

4,190,000 Results

Any time ▾

Exploring the emerging role of the microbiome in cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6471869>

Apr 17, 2019 · Results from multiple institutions have contributed to the growing consensus that the gut microbiome is linked to **immunotherapy** efficacy in **cancer patients** [44, 89–92]. DNA sequencing of stool samples collected prior to checkpoint blockade therapy identified an association between gut microbiome composition and subsequent therapeutic **response**.

Cited by: 17**Author:** Jessica Fessler, Vyara Matson, Thomas...**Publish Year:** 2019

Diet and Probiotics Influence Response to Immunotherapy ...

<https://www.cancerhealth.com/article/diet-probiotics-influence-response-immunotherapy> ▾

Immunotherapy, which helps the immune system fight **cancer**, can lead to deep and durable responses, but only about a quarter of **patients** respond. Researchers are **exploring** which factors affect treatment **response** and whether these can be altered to enable more people to benefit.

Gut microbiome and response to checkpoint inhibitors in ...

<https://www.sciencedirect.com/science/article/pii/S1040842819302276>

We have also seen evidence that the **gut microbiome** can **impact response to immunotherapy** in **melanoma patients**. Evidence has also emerged to show that the **lung** has a microbiome of its own. In this review we will **explore** the relationship between the **gut** and lung microbiomes, known as the **gut-lung axis**, and the potential effects of this **axis** on anticancer therapy in **lung cancer**, ...

Author: Misako Nagasaka, Rachel Sexton, R...**Publish Year:** 2020

PEOPLE ALSO ASK

Can immunotherapy shrink tumors? ▾

Why is immunotherapy a promising cancer treatment? ▾



Exploring the food-gut axis in immunotherapy response of cancer patien



Sign in



ALL

IMAGES

VIDEOS

1,190,000 Results

Any time ▾

The gut microbiota and immune checkpoint inhibitors

<https://pubmed.ncbi.nlm.nih.gov/29494275>

Although **immunotherapy** has been remarkably effective across multiple **cancer** types, there continues to be a significant number of non-responding **patients**. A possible factor proposed to influence the efficacy of immunotherapies is the gut microbiome. We discuss the results and implications of recent r ...

Exploring the emerging role of the microbiome in cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6471869>

Apr 17, 2019 · Results from multiple institutions have contributed to the growing consensus that the gut microbiome is linked to **immunotherapy** efficacy in **cancer patients** [44, 89–92]. DNA sequencing of stool samples collected prior to checkpoint blockade therapy identified an association between gut microbiome composition and subsequent therapeutic **response**.

Cited by: 53

Author: Jessica Fessler, Vyara Matson, Thomas F...

Publish Year: 2019

Search Tools

Turn off Hover Translation (关闭取词)



Exploring the food-gut axis in immunotherapy response of cancer p



ALL IMAGES VIDEOS MAPS NEWS SHOPPING

1,560,000 Results Any time ▾

New Study Suggests Diet May Affect Response To Cancer ...

<https://www.forbes.com/sites/victoriaforster/2019/...> ▾

Feb 27, 2019 · However, the research linking **immunotherapy response** in **cancer patients** to microbiome composition and dietary habits is still preliminary, with the ...

Patients on immunotherapies should consume more fiber ...

<https://www.news-medical.net/news/20190405/...> ▾

Apr 05, 2019 · A new study has found that taking probiotics could drastically reduce the **response of cancer patients to immunotherapy**. **Patients** on a fiber-rich diet showed a five-fold increase in **response**.

Exploring the emerging role of the microbiome in cancer ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6471869>

Apr 17, 2019 · Results from multiple institutions have contributed to the growing consensus that the gut microbiome is linked to **immunotherapy** efficacy in **cancer patients** [44, 89–92]. DNA sequencing of stool samples collected prior to checkpoint blockade therapy identified an association between gut microbiome composition and subsequent therapeutic **response**.

Cited by: 51

Author: Jessica Fessler, Vyara Matson, Thomas F...

Publish Year: 2019

PEOPLE ALSO ASK

Can immunotherapy shrink tumors? ▾

How does immunotherapy work? ▾

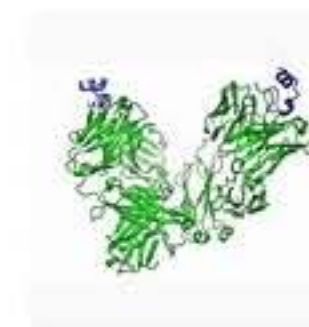
How do probiotics affect cancer immunotherapy? ▾

Is diet on immunotherapy good for colon cancer? ▾

Feedback

Diet and Probiotics Influence Response to Immunotherapy ...

Cancer immunotherapy



Cancer immunotherapy is the artificial stimulation of the immune system to treat cancer, improving on the immune system's natural ability to fight the disease. It is an application of the fundamental research of cancer immunology and a growing subspecialty of oncology.

Wikipedia

May treat: [Breast Cancer](#) · [Bladder Cancer](#)

People also search for

[See all \(10+\)](#)



Immunother
apy



ipilimumab



Chemothera
py



rituximab



alemtuzu...

Data from: [Wikipedia](#) · [Wikidata](#) · [Freebase](#)

[Suggest an edit](#)