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Observational Study

Oral microbiome and Pancreatic Cancer

Saliva microbiota for cancer detection

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Hongying Liu, Lili Zhou, Ka Li, Ang Li, Mei Rosemary Fu

Match Overview

- 1** **Internet** 34 words
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- 2** **Crossref** 15 words
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Oral microbiome and Pancreatic Cancer



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This study provides supportive evidence that **oral microbiota may play a role in the etiology of pancreatic cancer**. Pancreatic cancer is highly lethal; 93% of patients die within 5 years of diagnosis, and it is the fourth leading cause of cancer death in the USA [1]. Little is known about opportunities to prevent this cancer.

Author: Xiaozhou Fan, Alexander V Alekseyenko, Jing Wu, Brandilyn A Peters, Eric J Jacobs, Susan M Gapstur, ...

Cited by: 228

Publish Year: 2018

Reference: www.ncbi.nlm.nih.gov/pmc/articles/PMC5607064/

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Microbiota, oral microbiome, and pancreatic cancer

<https://pubmed.ncbi.nlm.nih.gov/24855008>

Only 30% of patients with a diagnosis of pancreatic cancer survive 1 year after the diagnosis.

Progress in understanding the causes of pancreatic cancer has been made, including solidifying the associations with **obesity and diabetes**, and a proportion of cases should be ...

Cited by: 79

Author: Dominique S. Michaud, Jacques Izard

Publish Year: 2014

Oral Microbiome and Pancreatic Cancer - Full Text View ...

<https://www.clinicaltrials.gov/ct2/show/NCT03302637> ▼

Oct 05, 2017 · This is a prospective population based study to examine the relationship of oral and pancreatic microbiome, and their functions, to **pancreatic cancer risk**. The identification of specific oral bacteria and their functional relationship to pancreatic cancer will advance scientific knowledge on the etiology of pancreatic cancer.

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Author: Xiaozhou Fan, Alexander V Alekseyenko, Jing Wu, Brandilyn A Peters, Eric J Jacobs, Susan M Gapstur, ...

Cited by: 233

Publish Year: 2018

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Was this helpful?  

Microbiota, oral microbiome, and pancreatic cancer

<https://pubmed.ncbi.nlm.nih.gov/24855008>

Unfortunately, identifying reliable biomarkers of **early pancreatic cancer** has been extremely challenging, and no **effective screening modality** is currently available for this devastating form of cancer. Recent data suggest that the **microbiota** may play a role in the disease process, but many questions remain.

Pancreatic Cancer

Medical Condition



Cancer of pancreas, an organ which is behind the lower part of the stomach.

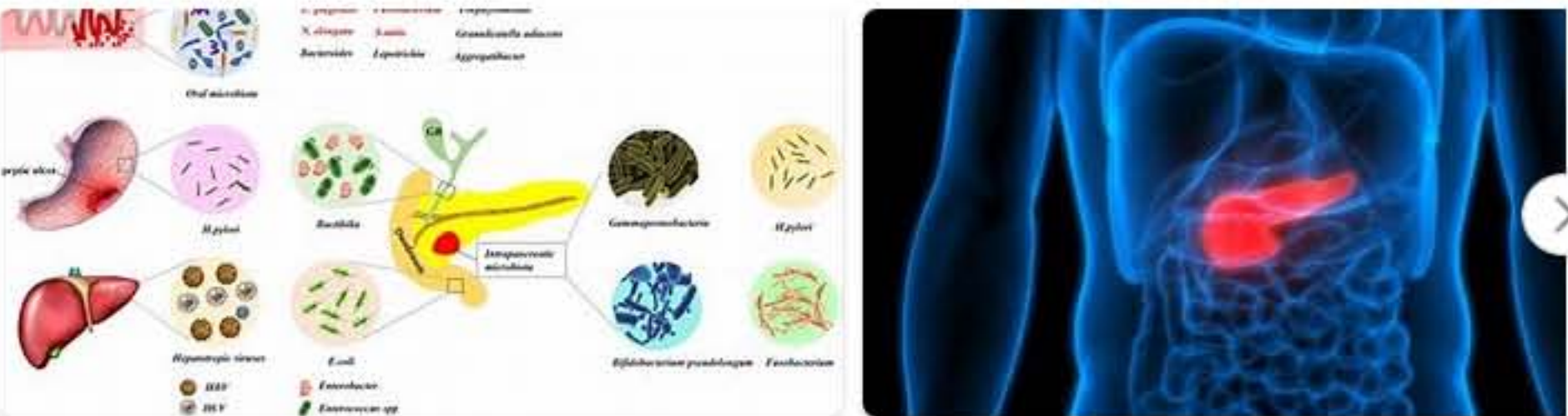
 Rare (Fewer than 200,000 cases per year in US)

 Often requires lab test or imaging

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Images of Oral Microbiome and Pancreatic cancer
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Microbiota, oral microbiome, and pancreatic cancer

<https://pubmed.ncbi.nlm.nih.gov/24855008>

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Cited by: 84 Author: Dominique S. Michaud, Jacques Izard

Publish Year: 2014

Human oral microbiome and prospective risk for pancreatic ...

<https://pubmed.ncbi.nlm.nih.gov/27742762>

Objective: A history of periodontal disease and the presence of circulating antibodies to selected oral pathogens have been associated with increased risk of pancreatic cancer; however, direct relationships...

Cited by: 233 Author: Xiaozhou Fan, Alexander V Alekseyenko, Ji...

Publish Year: 2018

Human oral microbiome and prospective risk for pancreatic ...

<https://gut.bmi.com/content/67/1/120>

Pancreatic Cancer

Medical Condition

Cancer of pancreas, an organ which is behind the lower part of the stomach.

📊 Rare (Fewer than 200,000 cases per year in US)

🧪 Often requires lab test or imaging

👨🏻‍⚕️ Treatment from medical professional advised

🕒 Can last several months or years

The exact cause of pancreatic cancer is unknown. Risk factors include diabetes, chronic pancreatitis and stomach ulcer. In the early stage, it is asymptomatic. Common symptoms at later stages are weight loss and abdominal pain. Treatment includes surgeries and other therapies.

Symptoms

Early stage of pancreatic cancer may be asymptomatic. Symptoms will show up only when the disease progresses and include:

- Digestive problems, including abnormal stools, nausea or vomiting
- Pain in the upper abdomen and back
- Loss of appetite
- Sudden weight loss
- Jaundice (yellowing of the skin and whites of the eyes)
- Very high sugar levels in diabetic patients

Treatments

Treatment depends on the location of tumor, age and general health. Treatment includes surgery, chemotherapy and radiation.

Medication

- Chemotherapy: Drugs, either taken orally or through injection, kills the cancer cells. In advanced stages, it only helps control growth of cancer