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Alteration of the esophageal microbiota in Barrett's esophagus and esophageal adenocarcinoma

Lv J *et al.* Esophageal microbiota in BE and EAC

Jing Lv, Lei Guo, Ji-Jun Liu, He-Ping Zhao, Jun Zhang, Ji-Han Wang

Abstract

The incidence of esophageal adenocarcinoma (EAC) has increased in recent decades, and its 5-year survival rate is less than 20%. As a well-established precursor, patients with Barrett's esophagus (BE) have a persistent risk of progression to EAC. Many researchers have already shown that some factors may contribute to the development of BE and EAC, and the identified risks include gastroesophageal reflux (GER), male sex, older age, central obesity, tobacco smoking, *Helicobacter pylori* (*H. pylori*) eradication, and the administration of proton pump inhibitors (PPIs) and antibiotics. The human gut harbours trillions of microorganisms, the majority of which are bacteria. These microorganisms benefit the human host in

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Molecular Pathways: Pathogenesis and Clinical Implications of Microbiome Alteration in Esophagitis and Barrett Esophagus Liying Yang^{1,2}, Fritz Francois¹, and Zhiheng Pei^{1,2,3} Abstract Esophageal adenocarcinoma is preceded by the development of reflux-related intestinal metaplasia or Barrett esophagus, which is a response to inflammation of the esophageal squamous mucosa, reflux ...

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Barrett's esophagus and risk of esophageal adenocarcinoma ...

<https://www.sciencedirect.com/science/article/pii/S2351979715000316>

Barrett's esophagus (BE) is the most common cause or precursor of **esophageal adenocarcinoma** (EAC), a condition with a poor prognosis. This study aimed to investigate the clinical characteristics and risk of EAC in patients with BE.

Cited by: 1

Author: Hung-Wei Wang, Chia-Jung Kuo, Wey-R...

Publish Year: 2015

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There is a new section on the hopes for chemoprevention of **adenocarcinoma** in patients with **Barrett's esophagus**. The surgical section has been expanded to include a more detailed discussion of surgical techniques available to patients with **esophageal** adenocarcinoma.

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