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Manuscript Type: ORIGINAL ARTICLE

Case Control Study

Gegen Qinlian decoction enhances immunity and protects intestinal barrier function of colorectal cancer patients *via* gut microbiota

Li Y *et al.* Effects of GQD on CRC

Abstract

BACKGROUND

We previously showed, using the Traditional Chinese Medicine System Pharmacology Database, that Gegen Qinlian decoction (GQD) had a direct antitumor effect, and combined with the programmed cell death protein (PD)-1 inhibitors to treat **microsatellite stable (MSS)** tumor-bearing mice. However, the effect of GQD on patients with colorectal cancer (CRC) is not clear.

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Korean Traditional Medicine (Jakyakgamcho-tang ...

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Many studies have shown structural changes of **gut microbiota** induced by herbal medicine. Some medicinal herbs can increase the proportion of Akkermansia with a concomitant beneficial effect on the host metabolism [80,81,82]. **Gegen Qinlian Decoction** treatment can enrich amounts of beneficial bacteria, such as Faecalibacterium spp. . Likewise, a ...

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Recently, Xu and colleagues reported their results of a 12-week double-blind trial regarding the structural modulation on **gut microbiota** with **Gegen Qinlian Decoction** treatment [82]. ...

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The imbalance or dysbiosis of the **gut microbiota** has been implied in many human diseases, such as obesity, diabetes, inflammatory bowel disease, gastrointestinal cancers and infectious diseases ...

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