

Changes in Gut Microbiota Composition and Diversity Associated with Post-cholecystectomy Diarrhea

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Abstract

BACKGROUND

Post-cholecystectomy diarrhea (PCD) frequently occurs in patients following gallbladder removal. PCD is part of post-cholecystectomy (PC) syndrome, and it is a difficult problem to treat. After cholecystectomy, bile enters the duodenum directly independent of the timing of meals. The interaction

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Balantioides coli is a ciliated parasite that can cause **diarrhea** when inhabiting the colon and cecum of pigs and humans. However, information regarding the **changes** in structure and **composition** of the **gut** microbiome in piglets infected with B. coli remains scarce. In this study, 16S rDNA amplicon sequencing was conducted on fecal samples from both B. coli-positive piglets with **diarrhea** and ...

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Taxonomic **Composition and Diversity** of **Gut Microbiota**. A total of 1,819,210 quality-filtered 16S rRNA gene sequences were acquired from 31 samples, with an average of $58,684 \pm 2602$ reads per sample (Supplementary Table S4).

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