

Review of: "Long-term beneficial effect of faecal microbiota transplantation on colonisation of multidrug-resistant bacteria and resistome abundance in patients with recurrent *Clostridioides difficile* infection"

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Potential competing interests: No potential competing interests to declare.

Dear Authors, I read your manuscript with great interest. The research discusses a very intriguing subject with *Clostridioides difficile* infection, a serious health problem that worsens the course of the disease in a wide population of at-risk individuals, presenting multiple recurrences and resulting in a major deterioration in quality of life. Furthermore, the prevalence of MDR strains is increasing, making therapy and subsequent patient evolution increasingly more challenging, increasing the possible risk of recurrences. A number of research have shown that fecal microbiota transplantation is beneficial, improving the chances of recovery and lowering the risk of recurrence.

This research is significant for its three-year follow-up duration after FMT, which allows for long-term microbiota composition and antibiotic resistance analysis. This long-term monitoring illuminates FMT's long-term consequences and helps physicians and researchers.

It is a well-written job based on a well-constructed hard technique (metagenomics), and the statistically evaluated results are consistent and thoroughly presented