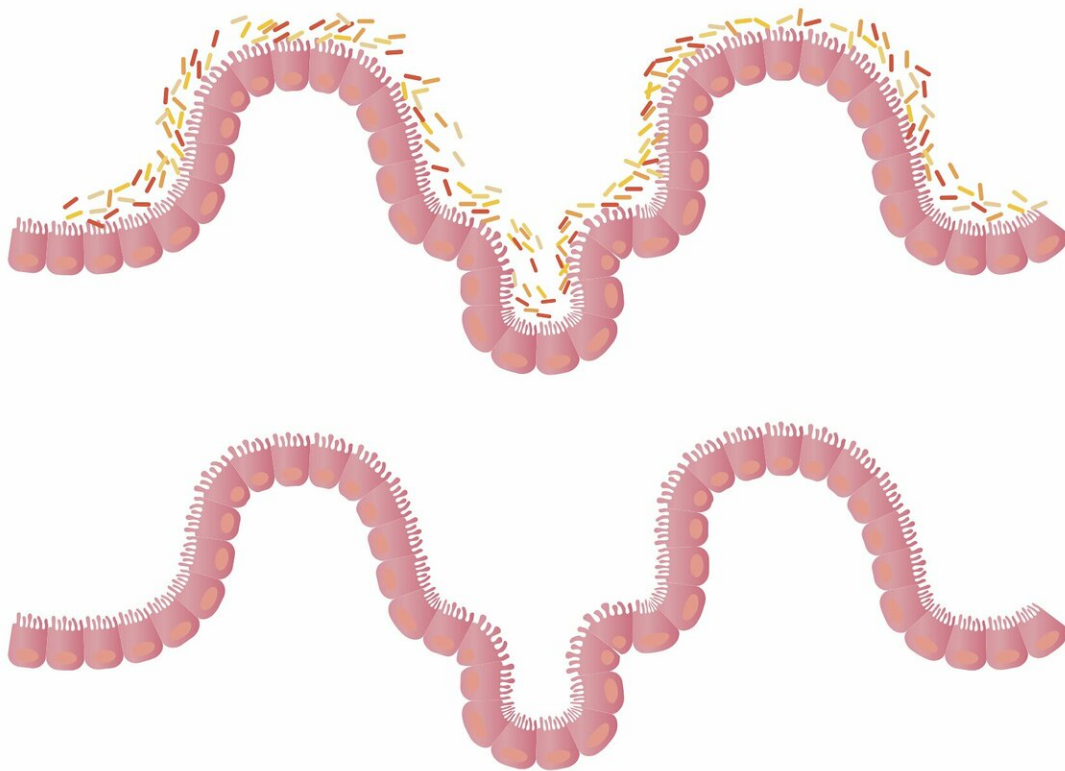


AGA releases largest report on safety and effectiveness of fecal microbiota transplantation

October 1 2020



Credit: CC0 Public Domain

Today, the American Gastroenterological Association (AGA) released the first results from the NIH-funded AGA Fecal Microbiota Transplantation (FMT) National Registry, the largest real-world study on the safety and effectiveness of FMT. Published in *Gastroenterology*, the registry reported that FMT led to a cure of *Clostridioides difficile* (*C. difficile*) infection in 90% of patients across 20 North American FMT practice sites. Few serious side effects were reported.

"While the value of fecal [microbiota](#) transplantation for treating recurrent *C. difficile* [infection](#) is clear from research studies, the potential long-term consequences of altering a patient's gut microbiota are not fully known," says Dr. Colleen R. Kelly, Associate Professor of Medicine at Brown University in Providence, Rhode Island and co-principal investigator of the AGA FMT National Registry. "Releasing the initial results of the AGA FMT National Registry is an important step toward understanding the true risk and benefits of microbiota therapeutics in a real-world setting."

This new report details effectiveness and safety outcomes from the first 259 patients enrolled in the registry between December 2017 and September 2019. Almost all participants received FMT using an unknown donor from stool banks. The most common method of FMT delivery was colonoscopy followed by upper endoscopy. Of the 222 participants who returned for the 1-month follow-up, 200 participants (90%) had their *C. difficile* infection cured with 197 of those requiring only a single FMT. Infections were reported in 11 participants, but only two were thought to be possibly related to the procedure. FMT response was deemed durable, with recurrence of *C. difficile* infection in the six months after successful FMT occurring in only 4% of participants. This data includes patients with co-morbidities, such as [inflammatory bowel disease](#) and immunocompromised status, who are typically excluded from FMT clinical trials.

"These initial results show a high success rate of FMT in the real-world setting. We'll continue to track these patients for 10 years to assess long-term safety, which will be critical to determining the full safety profile of FMT," added Dr. Kelly.

What Is Fecal Microbiota Transplantation?

Fecal microbiota transplant, or FMT, is a medical procedure in which the stool from a healthy person is prepared and then put into the intestine of a sick patient. FMT is most commonly used to treat *Clostridioides difficile* infection, if antibiotics have not been able to get rid of the infection. Recurrent *C. difficile* infection is common and increasing within the U.S. It is associated with significant morbidity and mortality and frequent failure of standard medical treatments, making FMT a potentially life-saving procedure. Learn more in the AGA GI Patient Center.

More information: Colleen R. Kelly et al. Monitoring Fecal Microbiota Transplantation Practice In A Rapidly Evolving Health And Regulatory Environment, *Gastroenterology* (2020). [DOI: 10.1053/j.gastro.2020.08.039](https://doi.org/10.1053/j.gastro.2020.08.039)

Provided by American Gastroenterological Association

Citation: AGA releases largest report on safety and effectiveness of fecal microbiota transplantation (2020, October 1) retrieved 5 May 2024 from <https://medicalxpress.com/news/2020-10-aga-largest-safety-effectiveness-fecal.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.