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Cultured media containing bacterial flora could be a better alternative to fecal transplantation in treating recurrent *Clostridium difficile colitis*

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Fecal transplantation therapy for recurrent *Clostridium difficile colitis* has become the mainstream in recent years. Multiple trials have shown it to be more efficacious when compared to standard antibiotic therapy. However, inherent risks with this treatment modality exist and include the transfer of bacteria with unknown infective potential and antimicrobial resistance; the cost of testing and processing donor material and a delay in the onset of treatment. These obstacles may be circumvented by the clinical use of cultured media containing bacterial flora mimicking endogenous feces. We theorize that replacing endogenous human feces with cultured bacteria has the potential to reduce associated risks involved in current fecal transplantation techniques. By eradicating these pitfalls in the current approach, future patients could further benefit from treatment with cultured media when compared to fecal transplantation.

Biography

Gianna Guzzardo is currently a Medical student at Trinity School of Medicine located in Saint Vincent and the Grenadines. She has completed her undergraduate degree at the University of Michigan in Ann Arbor Michigan in 2012.

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