

RETRACTION NOTE **OPEN**

# Retraction Note: Role of the gut microbiome in chronic diseases: a narrative review

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*European Journal of Clinical Nutrition*; <https://doi.org/10.1038/s41430-024-01467-z>Retraction to: *European Journal of Clinical Nutrition* <https://doi.org/10.1038/s41430-021-00991-6>, published online 28 September 2021

The Editor-in-Chief retracted this article because it contains text that substantially overlaps with the following articles, [1–4]. The authors agree with this retraction.

## REFERENCES

1. Durack J, Lynch SV. The gut microbiome: relationships with disease and opportunities for therapy. *J Exp Med*. 2019;216(1):20–40. <https://doi.org/10.1084/jem.20180448>.
2. Verma H, Phian S, Lakra P, Kaur J, Subudhi S, Lal R, et al. Human gut microbiota and mental health: advancements and challenges in microbe-based therapeutic interventions. *Indian J Microbiol*. 2020;60:405–19. <https://doi.org/10.1007/s12088-020-00898-z>
3. Geirnaert A, Calatayud M, Grootaert C, Laukens D, Devriese S, Smagghe G, et al. Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient

microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. *Sci Rep*. 2017;7:11450. <https://doi.org/10.1038/s41598-017-11734-8>

4. Barcik W, Boutin RCT, Sokolowska M, Finlay BB. The role of lung and gut microbiota in the pathology of asthma. *Immunity*. 2020;52:241–55. <https://doi.org/10.1016/j.immuni.2020.01.007>



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