

Full Reference List of Gut Health & Microbiome Clinical Studies for Muniq

Gut Health & Microbiome (27)

1. [Microbial Interventions to Control and Reduce Blood Pressure in Australia \(MICRoBIA\): rationale and design of a double-blinded randomised cross-over placebo controlled trial.](#)

Rhys-Jones D, Climie RE, Gill PA, Jama HA, Head GA, Gibson PR, Kaye DM, Muir JG, Marques FZ.

Trials. 2021 Jul 27;22(1):496. doi: 10.1186/s13063-021-05468-2.

PMID: 34315522 **Free PMC article.** Clinical Trial.

2. [Effect of Unripe Banana Flour on Gut-Derived Uremic Toxins in Individuals Undergoing Peritoneal Dialysis: A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.](#)

de Andrade LS, Sardá FAH, Pereira NBF, Teixeira RR, Rodrigues SD, de Lima JD, Dalboni MA, Aoike DT, Nakao LS, Cuppari L.

Nutrients. 2021 Feb 17;13(2):646. doi: 10.3390/nu13020646.

PMID: 33671166 **Free PMC article.** Clinical Trial.

3. [Resistant Starch Type 2 from Wheat Reduces Postprandial Glycemic Response with Concurrent Alterations in Gut Microbiota Composition.](#)

Hughes RL, Horn WH, Finnegan P, Newman JW, Marco ML, Keim NL, Kable ME.

Nutrients. 2021 Feb 17;13(2):645. doi: 10.3390/nu13020645.

PMID: 33671147 **Free PMC article.** Clinical Trial.

4. [Nondigestible Carbohydrates Affect Metabolic Health and Gut Microbiota in Overweight Adults after Weight Loss.](#)

Johnstone AM, Kelly J, Ryan S, Romero-Gonzalez R, McKinnon H, Fyfe C, Naslund E, Lopez-Nicolas R, Bosscher D, Bonnema A, Frontela-Saseta C, Ros-Berruezo G, Horgan G, Ze X, Harrold J, Halford J, Gratz SW, Duncan SH, Shirazi-Beechey S, Flint HJ.

J Nutr. 2020 Jul 1;150(7):1859-1870. doi: 10.1093/jn/nxaa124.

PMID: 32510158 Clinical Trial.

5. [Resistant starch supplementation effects on plasma indole 3-acetic acid and aryl hydrocarbon receptor mRNA expression in hemodialysis patients: Randomized, double blind and controlled clinical trial.](#)

Azevedo R, Esgalhado M, Kemp JA, Regis B, Cardozo LF, Nakao LS, Brito JS, Mafra D.
J Bras Nefrol. 2020 Jul-Sep;42(3):273-279. doi: 10.1590/2175-8239-JBN-2020-0003.
PMID: 32459282 **Free PMC article.** Clinical Trial.

6. [Resistant starch type-2 enriched cookies modulate uremic toxins and inflammation in hemodialysis patients: a randomized, double-blind, crossover and placebo-controlled trial.](#)

Esgalhado M, Kemp JA, Paiva BR, Brito JS, Cardozo LFMF, Azevedo R, Cunha DB, Nakao LS, Mafra D.

Food Funct. 2020 Mar 26;11(3):2617-2625. doi: 10.1039/c9fo02939g.

PMID: 32159187 Clinical Trial.

7. [Precision Microbiome Modulation with Discrete Dietary Fiber Structures Directs Short-Chain Fatty Acid Production.](#)

Deehan EC, Yang C, Perez-Muñoz ME, Nguyen NK, Cheng CC, Triador L, Zhang Z, Bakal JA, Walter J.

Cell Host Microbe. 2020 Mar 11;27(3):389-404.e6. doi: 10.1016/j.chom.2020.01.006. Epub 2020 Jan 30.

PMID: 32004499 Clinical Trial.

8. [Resistant starch supplementation attenuates inflammation in hemodialysis patients: a pilot study.](#)

de Paiva BR, Esgalhado M, Borges NA, Kemp JA, Alves G, Leite PEC, Macedo R, Cardozo LFMF, de Brito JS, Mafra D.

Int Urol Nephrol. 2020 Mar;52(3):549-555. doi: 10.1007/s11255-020-02392-3. Epub 2020 Feb 1.

PMID: 32008198 Clinical Trial.

9. [Effect of Native and Acetylated Dietary Resistant Starches on Intestinal Fermentative Capacity of Normal and Stunted Children in Southern India.](#)

Balamurugan R, Pugazhendhi S, Balachander GM, Dharmalingam T, Mortimer EK, Gopalsamy GL, Woodman RJ, Meng R, Alpers DH, Manary M, Binder HJ, Brown IL, Young GP, Ramakrishna BS.

Int J Environ Res Public Health. 2019 Oct 15;16(20):3922. doi: 10.3390/ijerph16203922.

PMID: 31618992 **Free PMC article.** Clinical Trial.

10. [A phase 2 randomized controlled trial of oral resistant starch supplements in the prevention of acute radiation proctitis in patients treated for cervical cancer.](#)

Sasidharan BK, Ramadass B, Viswanathan PN, Samuel P, Gowri M, Pugazhendhi S, Ramakrishna BS.

J Cancer Res Ther. 2019 Oct-Dec;15(6):1383-1391. doi: 10.4103/jcrt.JCRT_152_19.

PMID: 31898677 Clinical Trial.

11. [Amylose resistant starch \(HAM-RS2\) supplementation increases the proportion of Faecalibacterium bacteria in end-stage renal disease patients: Microbial analysis from a randomized placebo-controlled trial.](#)

Laffin MR, Tayebi Khosroshahi H, Park H, Laffin LJ, Madsen K, Kafil HS, Abedi B, Shiralizadeh S, Vaziri ND.

Hemodial Int. 2019 Jul;23(3):343-347. doi: 10.1111/hdi.12753. Epub 2019 Mar 29.

PMID: 30924310 Clinical Trial.

12. [Metabolic phenotypes and the gut microbiota in response to dietary resistant starch type 2 in normal-weight subjects: a randomized crossover trial.](#)

Zhang L, Ouyang Y, Li H, Shen L, Ni Y, Fang Q, Wu G, Qian L, Xiao Y, Zhang J, Yin P, Panagiotou G, Xu G, Ye J, Jia W.

Sci Rep. 2019 Mar 20;9(1):4736. doi: 10.1038/s41598-018-38216-9.

PMID: 30894560 **Free PMC article.** Clinical Trial.

13. [Acute stressor alters inter-species microbial competition for resistant starch-supplemented medium.](#)

Pantoja-Feliciano IG, Soares JW, Doherty LA, Karl JP, McClung HL, Armstrong NJ, Branck TA, Arcidiacono S.

Gut Microbes. 2019;10(4):439-446. doi: 10.1080/19490976.2018.1554962. Epub 2018 Dec 22.

PMID: 31309868 **Free PMC article.** Clinical Trial.

14. [Could resistant starch supplementation improve inflammatory and oxidative stress biomarkers and uremic toxins levels in hemodialysis patients? A pilot randomized controlled trial.](#)

Esgalhado M, Kemp JA, Azevedo R, Paiva BR, Stockler-Pinto MB, Dolenga CJ, Borges NA, Nakao LS, Mafra D.

Food Funct. 2018 Dec 13;9(12):6508-6516. doi: 10.1039/c8fo01876f.

PMID: 30468238 Clinical Trial.

15. [Metagenomic Insights into the Degradation of Resistant Starch by Human Gut Microbiota.](#)

Vital M, Howe A, Bergeron N, Krauss RM, Jansson JK, Tiedje JM.

Appl Environ Microbiol. 2018 Nov 15;84(23):e01562-18. doi: 10.1128/AEM.01562-18. Print 2018 Dec 1.

PMID: 30266729 **Free PMC article.** Clinical Trial.

16. [A randomized trial to determine the impact of a digestion resistant starch composition on the gut microbiome in older and mid-age adults.](#)

Alfa MJ, Strang D, Tappia PS, Graham M, Van Domselaar G, Forbes JD, Laminman V, Olson N, DeGagne P, Bray D, Murray BL, Dufault B, Lix LM.

Clin Nutr. 2018 Jun;37(3):797-807. doi: 10.1016/j.clnu.2017.03.025. Epub 2017 Mar 31.

PMID: 28410921 Clinical Trial.

17. [Role of resistant starch on diabetes risk factors in people with prediabetes: Design, conduct, and baseline results of the STARCH trial.](#)

Marlatt KL, White UA, Beyl RA, Peterson CM, Martin CK, Marco ML, Keenan MJ, Martin RJ, Aryana KJ, Ravussin E.

Contemp Clin Trials. 2018 Feb;65:99-108. doi: 10.1016/j.cct.2017.12.005. Epub 2017 Dec 21.

PMID: 29274892 **Free PMC article.** Clinical Trial.

18. [Acute increases in serum colonic short-chain fatty acids elicited by inulin do not increase GLP-1 or PYY responses but may reduce ghrelin in lean and overweight humans.](#)

Rahat-Rozenbloom S, Fernandes J, Cheng J, Wolever TMS.

Eur J Clin Nutr. 2017 Aug;71(8):953-958. doi: 10.1038/ejcn.2016.249. Epub 2016 Dec 14.

PMID: 27966574 **Free PMC article.** Clinical Trial.

19. [Effects of dietary resistant starch content on metabolic status, milk composition, and microbial profiling in lactating sows and on offspring performance.](#)

Yan H, Lu H, Almeida VV, Ward MG, Adeola O, Nakatsu CH, Ajuwon KM.

J Anim Physiol Anim Nutr (Berl). 2017 Feb;101(1):190-200. doi: 10.1111/jpn.12440. Epub 2016 Feb 5.

PMID: 26848026 Clinical Trial.

20. [Diets high in resistant starch increase plasma levels of trimethylamine-N-oxide, a gut microbiome metabolite associated with CVD risk.](#)

Bergeron N, Williams PT, Lamendella R, Faghihnia N, Grube A, Li X, Wang Z, Knight R, Jansson JK, Hazen SL, Krauss RM.

Br J Nutr. 2016 Dec;116(12):2020-2029. doi: 10.1017/S0007114516004165. Epub 2016 Dec 20.

PMID: 27993177 **Free PMC article.** Clinical Trial.

21. [Effects of Arabinoxylan and Resistant Starch on Intestinal Microbiota and Short-Chain Fatty Acids in Subjects with Metabolic Syndrome: A Randomised Crossover Study.](#)

Hald S, Schioldan AG, Moore ME, Dige A, Lærke HN, Agnholt J, Bach Knudsen KE, Hermansen K, Marco ML, Gregersen S, Dahlerup JF.

PLoS One. 2016 Jul 19;11(7):e0159223. doi: 10.1371/journal.pone.0159223. eCollection 2016.

PMID: 27434092 **Free PMC article.** Clinical Trial.

22. [Increased gut hormones and insulin sensitivity index following a 3-d intervention with a barley kernel-based product: a randomised cross-over study in healthy middle-aged subjects.](#)

Nilsson AC, Johansson-Boll EV, Björck IM.

Br J Nutr. 2015 Sep 28;114(6):899-907. doi: 10.1017/S0007114515002524. Epub 2015 Aug 11.

PMID: 26259632 Clinical Trial.

23. [Butyrylated starch intake can prevent red meat-induced O6-methyl-2-deoxyguanosine adducts in human rectal tissue: a randomised clinical trial.](#)

Le Leu RK, Winter JM, Christophersen CT, Young GP, Humphreys KJ, Hu Y, Gratz SW, Miller RB, Topping DL, Bird AR, Conlon MA.

Br J Nutr. 2015 Jul;114(2):220-30. doi: 10.1017/S0007114515001750. Epub 2015 Jun 17.

PMID: 26084032 **Free PMC article.** Clinical Trial.

24. [Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men.](#)

Salonen A, Lahti L, Salojärvi J, Holtrop G, Korpela K, Duncan SH, Date P, Farquharson F, Johnstone AM, Lobley GE, Louis P, Flint HJ, de Vos WM.

ISME J. 2014 Nov;8(11):2218-30. doi: 10.1038/ismej.2014.63. Epub 2014 Apr 24.

PMID: 24763370 **Free PMC article.** Clinical Trial.

25. [Resistant starches types 2 and 4 have differential effects on the composition of the fecal microbiota in human subjects.](#)

Martínez I, Kim J, Duffy PR, Schlegel VL, Walter J.

PLoS One. 2010 Nov 29;5(11):e15046. doi: 10.1371/journal.pone.0015046.

PMID: 21151493 **Free PMC article.** Clinical Trial.

26. [Short-chain fatty acids and commensal microbiota in the faeces of severely malnourished children with cholera rehydrated with three different carbohydrates.](#)

Monira S, Hoq MM, Chowdhury AK, Suau A, Magne F, Endtz HP, Alam M, Rahman M, Pochart P, Desjeux JF, Alam NH.

Eur J Clin Nutr. 2010 Oct;64(10):1116-24. doi: 10.1038/ejcn.2010.123. Epub 2010 Aug 4.

PMID: 20683462 Clinical Trial.

27. [A human volunteer study to assess the impact of confectionery sweeteners on the gut microbiota composition.](#)

Beards E, Tuohy K, Gibson G.

Br J Nutr. 2010 Sep;104(5):701-8. doi: 10.1017/S0007114510001078. Epub 2010 Apr 7.

PMID: 20370946 Clinical Trial.