Similar articles for PMID: 34609811

102 results

1 Adding a liquid test meal to a standardized lactulose hydrogen breath test significantly influences abdominal symptom generation and hydrogen values.
Schindler V, Hente J, Murray FR, Hüllner M, Becker AS, Giezendanner S, Schnurre L, Bordier V, Pohl D.
Eur J Gastroenterol Hepatol. 2021 Dec 1;33(12):1485-1494. doi: 10.1097/MEG.0000000000002042.
PMID: 34609811

2 Differentiation of functional gastrointestinal disorders from healthy volunteers by lactulose hydrogen breath test and test meal.
Schindler V, Giezendanner S, Bütikofer S, Murray F, Runggaldier D, Schnurre L, Zweig A, Fried M, Pohl D.
J Gastroenterol Hepatol. 2019 May;34(5):843-851. doi: 10.1111/jgh.14551. Epub 2018 Dec 18.
PMID: 30562837 Free article.

3 Functional Dyspepsia and Severity of Psychologic Symptoms Associate With Postprandial Symptoms in Patients With Irritable Bowel Syndrome.
Pohl D, Van Oudenhove L, Törnblom H, Le Nevé B, Tack J, Simrén M.
Clin Gastroenterol Hepatol. 2018 Nov;16(11):1745-1753.e1. doi: 10.1016/j.cgh.2018.04.034. Epub 2018 Apr 24.
PMID: 29702295

4 Better response to low FODMAP diet in disorders of gut-brain interaction patients with pronounced hydrogen response to a nutrient challenge test.
Schindler V, Giezendanner S, Van Oudenhove L, Murray FR, Buehler J, Bordier V, Hente J, Pohl D.
J Gastroenterol Hepatol. 2021 Dec;36(12):3322-3328. doi: 10.1111/jgh.15573. Epub 2021 Jun 22.
PMID: 34107550

5 Comparison of abdominal bloating severity between Irritable Bowel Syndrome patients with high and low levels of breath hydrogen excretion in a lactulose breath test.
Lasa J, Peralta D, Dima G, Novillo A, Besasso H, Soifer L.
Rev Gastroenterol Mex. 2012 Apr-Jun;77(2):53-7. doi: 10.1016/j.rgmx.2012.02.002. Epub 2012 Jun 2.
PMID: 22658548 Free article.

6 Combined oro-caecal scintigraphy and lactulose hydrogen breath testing demonstrate that breath testing detects oro-caecal transit, not small intestinal bacterial overgrowth in patients with IBS.
Yu D, Cheeseman F, Vanner S.
Gut. 2011 Mar;60(3):334-40. doi: 10.1136/gut.2009.205476. Epub 2010 Nov 26.
PMID: 21112950

7 Efficacy of lactulose plus 13C-acetate breath test in the diagnosis of gastrointestinal motility disorders.
Urita Y, Hike K, Torii N, Kikuchi Y, Sasajima M, Miki K.
J Gastroenterol. 2002;37(6):442-8. doi: 10.1007/s005350200064.
PMID: 12108678

8 A combined nutrient and lactulose challenge test allows symptom-based clustering of patients with irritable bowel syndrome.
Le Nevé B, Posserud I, Böhn L, Guyonnet D, Rondeau P, Tillisch K, Naliboff B, Mayer EA, Simrén M.
Am J Gastroenterol. 2013 May;108(5):786-95. doi: 10.1038/ajg.2013.75. Epub 2013 Apr 16.
PMID: 23588235 Clinical Trial.

9 Clinical value of radionuclide small intestine transit time measurement combined with lactulose hydrogen breath test for the diagnosis of bacterial overgrowth in irritable bowel syndrome.
Ning Y, Lou C, Huang Z, Chen D, Huang H, Chen L, Zhang B, Dai N, Zhao J, Zhen X.
Hell J Nucl Med. 2016 May-Aug;19(2):124-9. doi: 10.1967/s002449910365. Epub 2016 Jun 22.

PMID: 27331205

10 A study of the methodological and clinical validity of the combined lactulose hydrogen breath test with scintigraphic oro-cecal transit test for diagnosing small intestinal bacterial overgrowth in IBS patients.
Zhao J, Zheng X, Chu H, Zhao J, Cong Y, Fried M, Fox M, Dai N.
Neurogastroenterol Motil. 2014 Jun;26(6):794-802. doi: 10.1111/nmo.12331. Epub 2014 Mar 18.
PMID: 24641100

11 Double-Blind Placebo-Controlled Study of Rifaximin and Lactulose Hydrogen Breath Test in Gulf War Veterans with Irritable Bowel Syndrome.
Tuteja AK, Talley NJ, Stoddard GJ, Verne GN.
Dig Dis Sci. 2019 Mar;64(3):838-845. doi: 10.1007/s10620-018-5344-5. Epub 2018 Oct 28.
PMID: 30370492 Clinical Trial.

12 Detection of bacterial overgrowth in IBS using the lactulose H2 breath test: comparison with 14C-D-xylose and healthy controls.
Walters B, Vanner SJ.
Am J Gastroenterol. 2005 Jul;100(7):1566-70. doi: 10.1111/j.1572-0241.2005.40795.x.
PMID: 15984983

13 Rifaximin treatment for the irritable bowel syndrome with a positive lactulose hydrogen breath test improves symptoms for at least 3 months.
Meyrat P, Safroneeva E, Schoepfer AM.
Aliment Pharmacol Ther. 2012 Dec;36(11-12):1084-93. doi: 10.1111/apt.12087. Epub 2012 Oct 16.
PMID: 23066911 Free article.

14 Intestinal gas in plain abdominal radiographs does not correlate with symptoms after lactulose challenge.
Morken MH, Berstad AE, Nysaeter G, Berstad A.
Eur J Gastroenterol Hepatol. 2007 Jul;19(7):589-93. doi: 10.1097/MEG.0b013e328133f2e7.
PMID: 17556907

15 Predicting a Response to Antibiotics in Patients with the Irritable Bowel Syndrome.
Kasir R, Zakko S, Zakko P, Adler M, Lee A, Dhingra S, Guttermuth C.
Dig Dis Sci. 2016 Mar;61(3):846-51. doi: 10.1007/s10620-015-3872-9. Epub 2015 Sep 11.
PMID: 26362282

16 Intestinal transport and fermentation of resistant starch evaluated by the hydrogen breath test.
Olesen M, Rumessen JJ, Gudmand-Høyer E.
Eur J Clin Nutr. 1994 Oct;48(10):692-701.
PMID: 7835324 Clinical Trial.

17 Lactulose Breath Test Gas Production in Childhood IBS Is Associated With Intestinal Transit and Bowel Movement Frequency.
Chumpitazi BP, Weidler EM, Shulman RJ.
J Pediatr Gastroenterol Nutr. 2017 Apr;64(4):541-545. doi: 10.1097/MPG.0000000000001295.
PMID: 27276436 Free PMC article. Clinical Trial.

18 Association between symptoms of irritable bowel syndrome and methane and hydrogen on lactulose breath test.
Lee KN, Lee OY, Koh DH, Sohn W, Lee SP, Jun DW, Lee HL, Yoon BC, Choi HS, Hahm JS.
J Korean Med Sci. 2013 Jun;28(6):901-7. doi: 10.3346/jkms.2013.28.6.901. Epub 2013 Jun 3.
PMID: 23772156 Free PMC article. Clinical Trial.

19 Bloating and distention in irritable bowel syndrome: the role of gas production and visceral sensation after lactose ingestion in a population with lactase deficiency.
Zhu Y, Zheng X, Cong Y, Chu H, Fried M, Dai N, Fox M.
Am J Gastroenterol. 2013 Sep;108(9):1516-25. doi: 10.1038/ajg.2013.198. Epub 2013 Aug 6.

PMID: 23917444

20 Lactulose breath testing does not discriminate patients with irritable bowel syndrome from healthy controls.
Bratten JR, Spanier J, Jones MP.
Am J Gastroenterol. 2008 Apr;103(4):958-63. doi: 10.1111/j.1572-0241.2008.01785.x. Epub 2008 Mar 26.
PMID: 18371134

21 Lactulose Challenge Determines Visceral Sensitivity and Severity of Symptoms in Patients With Irritable Bowel Syndrome.
Le Nevé B, Brazeilles R, Derrien M, Tap J, Guyonnet D, Ohman L, Törnblom H, Simrén M.
Clin Gastroenterol Hepatol. 2016 Feb;14(2):226-33.e1-3. doi: 10.1016/j.cgh.2015.09.039. Epub 2015 Oct 20.
PMID: 26492847

22 Breath tests in the diagnosis of small intestinal bacterial overgrowth in patients with irritable bowel syndrome in comparison with quantitative upper gut aspirate culture.
Ghoshal UC, Srivastava D, Ghoshal U, Misra A.
Eur J Gastroenterol Hepatol. 2014 Jul;26(7):753-60. doi: 10.1097/MEG.0000000000000122.
PMID: 24849768 Clinical Trial.

23 Limitations of indirect methods of estimating small bowel transit in man.
Pressman JH, Hofmann AF, Witztum KF, Gertler SL, Steinbach JH, Stokes K, Kelts DG, Stone DM, Jones BR, Dharmsathaphorn K.
Dig Dis Sci. 1987 Jul;32(7):689-99. doi: 10.1007/BF01296133.
PMID: 3109861

24 Poor predictive value of breath hydrogen response for probiotic effects in IBS.
Yao CK, Barrett JS, Philpott H, Chung AR, van Langenberg D, Garg M, Gibson PR.
J Gastroenterol Hepatol. 2015 Dec;30(12):1731-9. doi: 10.1111/jgh.13015.
PMID: 26095068 Clinical Trial.

25 Potato-lactulose breath hydrogen testing as a function of gastric motility in diabetes mellitus.
Burge MR, Tuttle MS, Violett JL, Stephenson CL, Schade DS.
Diabetes Technol Ther. 2000 Summer;2(2):241-8. doi: 10.1089/15209150050025212.
PMID: 11469266

26 Modification of the breath hydrogen test: increased sensitivity for the detection of carbohydrate malabsorption.
Kotler DP, Holt PR, Rosensweig NS.
J Lab Clin Med. 1982 Nov;100(5):798-805.
PMID: 7130835

27 In functional dyspepsia, hypersensitivity to postprandial distention correlates with meal-related symptom severity.
Farré R, Vanheel H, Vanuytsel T, Masaoka T, Törnblom H, Simrén M, Van Oudenhove L, Tack JF.
Gastroenterology. 2013 Sep;145(3):566-73. doi: 10.1053/j.gastro.2013.05.018. Epub 2013 May 20.
PMID: 23702005 Clinical Trial.

28 Sucrase-Isomaltase Deficiency as a Potential Masquerader in Irritable Bowel Syndrome.
Kim SB, Calmet FH, Garrido J, Garcia-Buitrago MT, Moshiree B.
Dig Dis Sci. 2020 Feb;65(2):534-540. doi: 10.1007/s10620-019-05780-7. Epub 2019 Sep 6.
PMID: 31493040

29 Role of colonic fermentation in the perception of colonic distention in irritable bowel syndrome and functional bloating.
Di Stefano M, Miceli E, Missanelli A, Mazzocchi S, Tana P, Corazza GR.
Clin Gastroenterol Hepatol. 2006 Oct;4(10):1242-7. doi: 10.1016/j.cgh.2006.07.004. Epub 2006 Sep 18.
PMID: 16979386

30 Short-course Rifaximin therapy efficacy and lactulose hydrogen breath test in Chinese patients with diarrhea-predominant irritable bowel syndrome.
Zhuang X, Tian Z, Luo M, Xiong L.

BMC Gastroenterol. 2020 Jun 12;20(1):187. doi: 10.1186/s12876-020-01336-6.
PMID: 32532214 Free PMC article. Clinical Trial.

31 Fasting breath H2 and gut microbiota metabolic potential are associated with the response to a fermented milk product in irritable bowel syndrome.
Le Nevé B, Derrien M, Tap J, Brazeilles R, Cools Portier S, Guyonnet D, Ohman L, Störsrud S, Törnblom H, Simrén M.
PLoS One. 2019 Apr 4;14(4):e0214273. doi: 10.1371/journal.pone.0214273. eCollection 2019.
PMID: 30946757 Free PMC article. Clinical Trial.

32 Lactulose breath test results in patients with persistent abdominal symptoms following Giardia lamblia infection.
Morken MH, Nysaeter G, Strand EA, Hausken T, Berstad A.
Scand J Gastroenterol. 2008;43(2):141-5. doi: 10.1080/00365520701673960.
PMID: 17943632

33 Poor reproducibility of breath hydrogen testing: Implications for its application in functional bowel disorders.
Yao CK, Tuck CJ, Barrett JS, Canale KE, Philpott HL, Gibson PR.
United European Gastroenterol J. 2017 Mar;5(2):284-292. doi: 10.1177/2050640616657978. Epub 2016 Jul 7.
PMID: 28344797 Free PMC article.

34 Breath tests and irritable bowel syndrome.
Rana SV, Malik A.
World J Gastroenterol. 2014 Jun 28;20(24):7587-601. doi: 10.3748/wjg.v20.i24.7587.
PMID: 24976698 Free PMC article. Review.

35 Influence of the substrate on the reproducibility of the hydrogen breath test to measure the orocecal transit time.
Casellas F, Malagelada J.
Digestion. 1998 Nov-Dec;59(6):696-702. doi: 10.1159/000007578.
PMID: 9813396

36 Interpretation of the breath hydrogen profile obtained after ingesting a solid meal containing unabsorbable carbohydrate.
Read NW, Al-Janabi MN, Bates TE, Holgate AM, Cann PA, Kinsman RI, McFarlane A, Brown C.
Gut. 1985 Aug;26(8):834-42. doi: 10.1136/gut.26.8.834.
PMID: 4018650 Free PMC article.

37 Measurement of oro-caecal transit time by magnetic resonance imaging.
Savarino E, Savarino V, Fox M, Di Leo G, Furnari M, Marabotto E, Gemignani L, Bruzzone L, Moscatelli A, De Cassan C, Sardanelli F, Sconfienza LM.
Eur Radiol. 2015 Jun;25(6):1579-87. doi: 10.1007/s00330-014-3575-1. Epub 2015 Jan 11.
PMID: 25576231 Free article.

38 Obesity Is Inversely Related to Hydrogen-Producing Small Intestinal Bacterial Overgrowth in Non-Constipation Irritable Bowel Syndrome.
Jung SE, Joo NS, Han KS, Kim KN.
J Korean Med Sci. 2017 Jun;32(6):948-953. doi: 10.3346/jkms.2017.32.6.948.
PMID: 28480652 Free PMC article.

39 Relationships among the lactulose breath test, intestinal gas volume, and gastrointestinal symptoms in patients with irritable bowel syndrome.
Youn YH, Park JS, Jahng JH, Lim HC, Kim JH, Pimentel M, Park H, Lee SI.
Dig Dis Sci. 2011 Jul;56(7):2059-66. doi: 10.1007/s10620-011-1569-2. Epub 2011 Jan 15.
PMID: 21240630

40 [Lactulose hydrogen breath test in small intestinal bacterial overgrowth].
Wang J, Bei L, Pan G.
Zhonghua Nei Ke Za Zhi. 1995 Jun;34(6):381-4.
PMID: 8582184 Chinese.

41 Lactulose hydrogen breath test and functional symptoms in pediatric patients.
Madrid AM, Landskron G, Klapp G, Reyes A, Pizarro C, Defilippi C.
Dig Dis Sci. 2012 May;57(5):1330-5. doi: 10.1007/s10620-012-2032-8.
PMID: 22297652

42 The characteristics of the positivity to the lactulose breath test in patients with abdominal bloating.
Kim EJ, Paik CN, Chung WC, Lee KM, Yang JM, Choi MG.
Eur J Gastroenterol Hepatol. 2011 Nov;23(12):1144-9. doi: 10.1097/MEG.0b013e32834b0e5c.
PMID: 21904205

43 Four-sample lactose hydrogen breath test for diagnosis of lactose malabsorption in irritable bowel syndrome patients with diarrhea.
Yang JF, Fox M, Chu H, Zheng X, Long YQ, Pohl D, Fried M, Dai N.
World J Gastroenterol. 2015 Jun 28;21(24):7563-70. doi: 10.3748/wjg.v21.i24.7563.
PMID: 26140004 Free PMC article. Clinical Trial.

44 Simultaneous non-invasive measurement of liquid gastric emptying and small bowel transit by combined 13C-acetate and H2-lactulose breath test.
Bertram F, Andresen V, Layer P, Keller J.
J Breath Res. 2014 Nov 24;8(4):046007. doi: 10.1088/1752-7155/8/4/046007.
PMID: 25417651 Clinical Trial.

45 A pattern of breath hydrogen excretion suggesting small bowel bacterial overgrowth in Burmese village children.
Pereira SP, Khin-Maung-U, Bolin TD, Duncombe VM, Nyunt-Nyunt-Wai, Myo-Khin, Linklater JM.
J Pediatr Gastroenterol Nutr. 1991 Jul;13(1):32-8. doi: 10.1097/00005176-199107000-00006.
PMID: 1833523

46 [Zaburzenia czynnościowe przewodu pokarmowego u osób z przerostem bakteryjnym jelita cienkiego].
Konrad P, Błońska A, Chojnacki J, Mikulska P, Mędrek-Socha M, Chojnacki C.
Pol Merkur Lekarski. 2019 Jun 28;46(276):239-242.
PMID: 31260431 Polish.

47 Association between chronic use of proton pump inhibitors and small- intestinal bacterial overgrowth assessed using lactulose hydrogen breath tests.
Fujiwara Y, Watanabe T, Muraki M, Yamagami H, Tanigawa T, Shiba M, Tominaga K, Arakawa T.
Hepatogastroenterology. 2015 Mar-Apr;62(138):268-72.
PMID: 25916046

48 Fermentable Sugar Ingestion, Gas Production, and Gastrointestinal and Central Nervous System Symptoms in Patients With Functional Disorders.
Wilder-Smith CH, Olesen SS, Materna A, Drewes AM.
Gastroenterology. 2018 Oct;155(4):1034-1044.e6. doi: 10.1053/j.gastro.2018.07.013. Epub 2018 Sep 3.
PMID: 30009815

49 Lactulose Hydrogen Breath Test Result Is Associated with Age and Gender.
Newberry C, Tierney A, Pickett-Blakely O.
Biomed Res Int. 2016;2016:1064029. doi: 10.1155/2016/1064029. Epub 2016 Mar 17.
PMID: 27073800 Free PMC article.

50 Lactose malabsorption diagnosed by 50-g dose is inferior to assess clinical intolerance and to predict response to milk withdrawal than 25-g dose in an endemic area.
Ghoshal UC, Kumar S, Misra A, Mittal B.
J Gastroenterol Hepatol. 2013 Sep;28(9):1462-8. doi: 10.1111/jgh.12273.
PMID: 23701423

51

Determination of rifaximin treatment period according to lactulose breath test values in nonconstipated irritable bowel syndrome subjects.
Bae S, Lee KJ, Kim YS, Kim KN.
J Korean Med Sci. 2015 Jun;30(6):757-62. doi: 10.3346/jkms.2015.30.6.757. Epub 2015 May 13.
PMID: 26028929 Free PMC article. Clinical Trial.

52 Evaluation of hydrogen excretion after lactulose administration as a screening test for causes of irritable bowel syndrome.
Sen S, Dear KL, King TS, Elia M, Hunter JO.
Eur J Gastroenterol Hepatol. 2002 Jul;14(7):753-6. doi: 10.1097/00042737-200207000-00007.
PMID: 12169984

53 Sugar intolerance: origin and mechanisms of symptoms?
Jouët P, Sabaté JM, Coffin B, Bouhnik Y, Lémann M, Jian R, Rambaud JC, Flourié B.
Dig Dis Sci. 2002 Apr;47(4):886-93. doi: 10.1023/a:1014772907681.
PMID: 11991625 Clinical Trial.

54 Comparison of scintigraphy and lactulose breath hydrogen test for assessment of orocecal transit: lactulose accelerates small bowel transit.
Miller MA, Parkman HP, Urbain JL, Brown KL, Donahue DJ, Knight LC, Maurer AH, Fisher RS.
Dig Dis Sci. 1997 Jan;42(1):10-8. doi: 10.1023/a:1018864400566.
PMID: 9009110 Clinical Trial.

55 Intestinal fructose malabsorption is associated with increased lactulose fermentation in the intestinal lumen.
Ozaki RKF, Speridião PDGL, Soares ACF, Morais MB.
J Pediatr (Rio J). 2018 Nov-Dec;94(6):609-615. doi: 10.1016/j.jped.2017.08.006. Epub 2017 Oct 28.
PMID: 29111202 Free article.

56 Does Carbohydrate Challenge Testing Predict Clinical Response in Small Intestinal Bacterial Overgrowth?
Long SK, Di Palma JA.
South Med J. 2016 May;109(5):296-9. doi: 10.14423/SMJ.0000000000000454.
PMID: 27135726

57 Breath Methane Excretion Is not An Accurate Marker of Colonic Methane Production in Irritable Bowel Syndrome.
Di Stefano M, Mengoli C, Bergonzi M, Klersy C, Pagani E, Miceli E, Corazza GR.
Am J Gastroenterol. 2015 Jun;110(6):891-8. doi: 10.1038/ajg.2015.47. Epub 2015 Mar 24.
PMID: 25803403

58 Breath testing to evaluate lactose intolerance in irritable bowel syndrome correlates with lactulose testing and may not reflect true lactose malabsorption.
Pimentel M, Kong Y, Park S.
Am J Gastroenterol. 2003 Dec;98(12):2700-4. doi: 10.1111/j.1572-0241.2003.08670.x.
PMID: 14687820

59 Symptom pattern following a meal challenge test in patients with irritable bowel syndrome and healthy controls.
Posserud I, Strid H, Störsrud S, Törnblom H, Svensson U, Tack J, Van Oudenhove L, Simrén M.
United European Gastroenterol J. 2013 Oct;1(5):358-67. doi: 10.1177/2050640613501817.
PMID: 24917984 Free PMC article.

60 Gastric emptying and orocaecal transit time of meals containing lactulose or inulin in men.
Clegg M, Shafat A.
Br J Nutr. 2010 Aug;104(4):554-9. doi: 10.1017/S0007114510000905. Epub 2010 Apr 7.
PMID: 20370945 Free article. Clinical Trial.

61 Abnormal breath tests to lactose, fructose and sorbitol in irritable bowel syndrome may be explained by small intestinal bacterial overgrowth.
Nucera G, Gabrielli M, Lupascu A, Lauritano EC, Santoliquido A, Cremonini F, Cammarota G, Tondi P, Pola P, Gasbarrini G, Gasbarrini A.

Aliment Pharmacol Ther. 2005 Jun 1;21(11):1391-5. doi: 10.1111/j.1365-2036.2005.02493.x.
PMID: 15932370 Free article.

62 [Clinical features of irritable bowel syndrome with small intestinal bacterial overgrowth and a preliminary study of effectiveness of Rifaximin].
Liu ZJ, Wei H, Duan LP, Zhu SW, Zhang L, Wang K.
Zhonghua Yi Xue Za Zhi. 2016 Jun 28;96(24):1896-902. doi: 10.3760/cma.j.issn.0376-2491.2016.24.005.
PMID: 27373356 Chinese.

63 Nutrient Challenge Testing Is Not Equivalent to Scintigraphy-Lactulose Hydrogen Breath Testing in Diagnosing Small Intestinal Bacterial Overgrowth.
Schindler V, Huellner M, Murray F, Schnurre L, Becker AS, Bordier V, Pohl D.
J Neurogastroenterol Motil. 2020 Sep 30;26(4):514-520. doi: 10.5056/jnm19162.
PMID: 32989187 Free PMC article.

64 [Influencing Factors on Lactulose Breath Test Results].
Kim JW, Park SY, Chung JO, Cho HA, Kim DH, Yoon JH, Park CH, Kim HS, Choi SK, Rew JS.
Korean J Gastroenterol. 2020 Jan 25;75(1):23-28. doi: 10.4166/kjg.2020.75.1.23.
PMID: 31986570 Free article. Korean.

65 Comparison of an in vitro faecal hydrogen test with the lactulose breath test: assessment of in vivo hydrogen-producing capability in Burmese village children.
Pereira SP, Khin-Maung-U, Duncombe VM, Bolin TD, Linklater JM.
Ann Trop Paediatr. 1992;12(2):177-83. doi: 10.1080/02724936.1992.11747566.
PMID: 1381894

66 [Methodological aspects of the use of the hydrogen (H2) breath test].
Breuer N, Ptok A, Götze H, Goebell H.
Z Gastroenterol. 1986 Feb;24(2):80-4.
PMID: 3962396 German.

67 A randomized double-blind placebo-controlled trial of rifaximin in patients with abdominal bloating and flatulence.
Sharara AI, Aoun E, Abdul-Baki H, Mounzer R, Sidani S, Elhajj I.
Am J Gastroenterol. 2006 Feb;101(2):326-33. doi: 10.1111/j.1572-0241.2006.00458.x.
PMID: 16454838 Clinical Trial.

68 Risk factors for upper and lower functional gastrointestinal disorders in Persian Gulf War Veterans during and post-deployment.
Tuteja AK, Talley NJ, Stoddard GJ, Samore MH, Verne GN.
Neurogastroenterol Motil. 2019 Mar;31(3):e13533. doi: 10.1111/nmo.13533. Epub 2019 Jan 29.
PMID: 30697884

69 A link between irritable bowel syndrome and fibromyalgia may be related to findings on lactulose breath testing.
Pimentel M, Wallace D, Hallegua D, Chow E, Kong Y, Park S, Lin HC.
Ann Rheum Dis. 2004 Apr;63(4):450-2. doi: 10.1136/ard.2003.011502.
PMID: 15020342 Free PMC article.

70 Assessment of the reproducibility of the lactulose H2 breath test as a measure of mouth to caecum transit time.
La Brooy SJ, Male PJ, Beavis AK, Misiewicz JJ.
Gut. 1983 Oct;24(10):893-6. doi: 10.1136/gut.24.10.893.
PMID: 6618268 Free PMC article.

71 Comparison of lactulose and inulin as reference standard for the study of resistant starch fermentation using hydrogen breath test.
Brighenti F, Casiraghi MC, Pellegrini N, Riso P, Simonetti P, Testolin G.
Ital J Gastroenterol. 1995 Apr;27(3):122-8.

PMID: 7548920 Clinical Trial.

72 Glucose hydrogen breath test for small intestinal bacterial overgrowth in children with abdominal pain-related functional gastrointestinal disorders.
Korterink JJ, Benninga MA, van Wering HM, Deckers-Kocken JM.
J Pediatr Gastroenterol Nutr. 2015 Apr;60(4):498-502. doi: 10.1097/MPG.0000000000000634.
PMID: 25406525

73 Usefulness of the hydrogen breath test in patients with functional dyspepsia.
Chojnacki C, Konrad P, Błońska A, Chojnacki J, Mędrek-Socha M.
Prz Gastroenterol. 2020;15(4):338-342. doi: 10.5114/pg.2020.92690. Epub 2020 Jan 31.
PMID: 33777274 Free PMC article.

74 [Usefulness of lactulose breath test for the prediction of small intestinal bacterial overgrowth in irritable bowel syndrome].
Park JS, Yu JH, Lim HC, Kim JH, Yoon YH, Park HJ, Lee SI.
Korean J Gastroenterol. 2010 Oct;56(4):242-8. doi: 10.4166/kjg.2010.56.4.242.
PMID: 20962560 Free article. Clinical Trial. Korean.

75 Milk is a useful test meal for measurement of small bowel transit time.
Kondo T, Liu F, Toda Y.
J Gastroenterol. 1994 Dec;29(6):715-20. doi: 10.1007/BF02349276.
PMID: 7874265 Clinical Trial.

76 Lactulose hydrogen breath test in orocecal transit assessment. Critical evaluation by means of scintigraphic method.
Sciarretta G, Furno A, Mazzoni M, Garagnani B, Malaguti P.
Dig Dis Sci. 1994 Jul;39(7):1505-10. doi: 10.1007/BF02088056.
PMID: 8026263

77 The role of small intestinal bacterial overgrowth and false positive diagnosis of lactose intolerance in southwest Hungary-A retrospective observational study.
Varjú P, Ystad B, Gede N, Hegyi P, Pécsi D, Czimmer J.
PLoS One. 2020 May 8;15(5):e0230784. doi: 10.1371/journal.pone.0230784. eCollection 2020.
PMID: 32384113 Free PMC article.

78 [The H2-lactulose breath test in the diagnosis of intestinal transit time].
Wilberg S, Pieramico O, Malfertheiner P.
Leber Magen Darm. 1990 May;20(3):129-37.
PMID: 2377020 German.

79 [The dietary features of diarrhea predominant irritable bowel syndrome patients with small intestinal bowel overgrowth].
Wei H, Liu ZJ, Wang K, Zheng W, Duan LP.
Zhonghua Nei Ke Za Zhi. 2017 Aug 1;56(8):567-571. doi: 10.3760/cma.j.issn.0578-1426.2017.08.003.
PMID: 28789488 Chinese.

80 Helicobacter pylori infection is associated with high methane production during lactulose breath test.
Del Zompo F, Ojetti V, Feliciani D, Mangiola F, Petruzziello C, Tesori V, Gaetani E, Gasbarrini A, Franceschi F.
Eur Rev Med Pharmacol Sci. 2016 Aug;20(16):3452-6.
PMID: 27608906 Free article.

81 Delayed mouth-caecum transit of a lactulose labelled liquid test meal in patients with steatorrhoea caused by partially treated coeliac disease.
Spiller RC, Lee YC, Edge C, Ralphs DN, Stewart JS, Bloom SR, Silk DB.
Gut. 1987 Oct;28(10):1275-82. doi: 10.1136/gut.28.10.1275.
PMID: 3678957 Free PMC article.

82 [Small intestinal bacterial overgrowth in patients with functional gastrointestinal diseases].

Madrid AM, Defilippi C C, Defilippi G C, Slimming A J, Quera P R.
Rev Med Chil. 2007 Oct;135(10):1245-52. Epub 2007 Dec 20.
PMID: 18180830 Free article. Spanish.

83 The effect of different dosages of guar gum on gastric emptying and small intestinal transit of a consumed semisolid meal.
van Nieuwenhoven MA, Kovacs EM, Brummer RJ, Westerterp-Plantenga MS, Brouns F.
J Am Coll Nutr. 2001 Feb;20(1):87-91. doi: 10.1080/07315724.2001.10719019.
PMID: 11293473

84 Chronic abdominal pain in children is associated with high prevalence of abnormal microbial fermentation.
Collins BS, Lin HC.
Dig Dis Sci. 2010 Jan;55(1):124-30. doi: 10.1007/s10620-009-1026-7.
PMID: 19888655

85 Symptom patterns in functional dyspepsia and irritable bowel syndrome: relationship to disturbances in gastric emptying and response to a nutrient challenge in consulters and non-consulters.
Haag S, Talley NJ, Holtmann G.
Gut. 2004 Oct;53(10):1445-51. doi: 10.1136/gut.2003.030049.
PMID: 15361493 Free PMC article.

86 Moderation of lactulose-induced diarrhea by psyllium: effects on motility and fermentation.
Washington N, Harris M, Mussellwhite A, Spiller RC.
Am J Clin Nutr. 1998 Feb;67(2):317-21. doi: 10.1093/ajcn/67.2.237.
PMID: 9459381 Clinical Trial.

87 Small intestinal bacterial overgrowth as an uncommon cause of false positive lactose hydrogen breath test among patients with diarrhea-predominant irritable bowel syndrome in Asia.
Wang Y, Xiong L, Gong X, Li W, Zhang X, Chen M.
J Gastroenterol Hepatol. 2015 Jun;30(6):995-1000. doi: 10.1111/jgh.12862.
PMID: 25470082

88 [Evaluation of oro-cecal transit time in patients with irritable bowel syndrome with cereal products intolerance].
Błońska A, Konrad P, Chojnacki J, Chojnacki C.
Pol Merkur Lekarski. 2017 Mar 21;42(249):116-120.
PMID: 28333903 Polish.

89 Breath Testing for Small Intestinal Bacterial Overgrowth: Should We Bother?
Pimentel M.
Am J Gastroenterol. 2016 Mar;111(3):307-8. doi: 10.1038/ajg.2016.30. Epub 2016 Feb 23.
PMID: 26902227

90 The relation of passage of gas an abdominal bloating to colonic gas production.
Levitt MD, Furne J, Olsson S.
Ann Intern Med. 1996 Feb 15;124(4):422-4. doi: 10.7326/0003-4819-124-4-199602150-00006.
PMID: 8554251 Clinical Trial.

91 Ileocecal valve dysfunction in small intestinal bacterial overgrowth: a pilot study.
Miller LS, Vegesna AK, Sampath AM, Prabhu S, Kotapati SK, Makipour K.
World J Gastroenterol. 2012 Dec 14;18(46):6801-8. doi: 10.3748/wjg.v18.i46.6801.
PMID: 23239918 Free PMC article. Clinical Trial.

92 Evaluation of oro-coecal transit time: a comparison of the lactose-[13C, 15N]ureide 13CO2- and the lactulose H2-breath test in humans.
Wutzke KD, Heine WE, Plath C, Leitzmann P, Radke M, Mohr C, Richter I, Gülzow HU, Hobusch D.
Eur J Clin Nutr. 1997 Jan;51(1):11-9. doi: 10.1038/sj.ejcn.1600353.

PMID: 9023461

93 Breath hydrogen response to lactulose in healthy subjects: relationship to methane producing status.
Cloarec D, Bornet F, Gouilloud S, Barry JL, Salim B, Galmiche JP.
Gut. 1990 Mar;31(3):300-4. doi: 10.1136/gut.31.3.300.
PMID: 2323593 Free PMC article.

94 Effect of Bifidobacterium infantis 35624 (Align) on the Lactulose Breath Test for Small Intestinal Bacterial Overgrowth.
Kumar K, Saadi M, Ramsey FV, Schey R, Parkman HP.
Dig Dis Sci. 2018 Apr;63(4):989-995. doi: 10.1007/s10620-018-4945-3. Epub 2018 Feb 3.
PMID: 29397491

95 Reduced rate of breath hydrogen excretion with lactose tolerance tests in young children using whole milk.
Solomons NW, Garcia-Ibañez R, Viteri FE.
Am J Clin Nutr. 1979 Apr;32(4):783-6. doi: 10.1093/ajcn/32.4.783.
PMID: 571202 Clinical Trial.

96 [Methanobrevibacter smithii in irritable bowel syndrome: a clinical and molecular study].
Vlasova AV, Isakov VA, Pilipenko VI, Sheveleva SA, Markova YM, Polyanina AS, Maev IV.
Ter Arkh. 2019 Aug 15;91(8):47-51. doi: 10.26442/00403660.2019.08.000383.
PMID: 32598754 Russian.

97 Cochrane Review: Osmotic and stimulant laxatives for the management of childhood constipation (Review).
Gordon M, Naidoo K, Akobeng AK, Thomas AG.
Evid Based Child Health. 2013 Jan;8(1):57-109. doi: 10.1002/ebch.1893.
PMID: 23878124 Review.

98 Triple sugar screen breath hydrogen test for sugar intolerance in children with functional abdominal symptoms.
Teitelbaum JE, Ubhrani D.
Indian J Gastroenterol. 2010 Sep;29(5):196-200. doi: 10.1007/s12664-010-0055-7. Epub 2010 Oct 27.
PMID: 20978880

99 A meta-analysis on small intestinal bacterial overgrowth in patients with different subtypes of irritable bowel syndrome.
Ghoshal UC, Nehra A, Mathur A, Rai S.
J Gastroenterol Hepatol. 2020 Jun;35(6):922-931. doi: 10.1111/jgh.14938. Epub 2019 Dec 17.
PMID: 31750966

100 Reevaluating our understanding of lactulose breath tests by incorporating hydrogen sulfide measurements.
Birg A, Hu S, Lin HC.
JGH Open. 2019 Feb 22;3(3):228-233. doi: 10.1002/jgh3.12145. eCollection 2019 Jun.
PMID: 31276041 Free PMC article.

101 Practical application of breath tests in disorders of gut-brain interaction.
Baumann-Durchschein F, Fürst S, Hammer HF.
Curr Opin Pharmacol. 2022 Aug;65:102244. doi: 10.1016/j.coph.2022.102244. Epub 2022 May 26.
PMID: 35636383 Free article. Review.

102 Editorial: meal-induced symptoms in irritable bowel syndrome-"all in the mind"?
Fox M.
Aliment Pharmacol Ther. 2022 Apr;55(7):880-881. doi: 10.1111/apt.16858.
PMID: 35315103 No abstract available.

FOLLOW NCBI

Connect with NLM

National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Web Policies
FOIA
HHS Vulnerability Disclosure

Help
Accessibility
Careers

NLM NIH HHS USA.gov