

# The Rate of Intestinal Glucose Absorption Is Correlated Insulinotropic Polypeptide Concentrations in Healthy M

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Slowly digestible starch – its structure and health implications: a review. <i>Trends in Food Science and Technology</i> , 2007, 18, 346-355.	15.1	559
2	An explorative study of in vivo digestive starch characteristics and postprandial glucose kinetics of wholemeal wheat bread. <i>European Journal of Nutrition</i> , 2008, 47, 417-423.	3.9	29
3	Separate Impact of Obesity and Glucose Tolerance on the Incretin Effect in Normal Subjects and Type 2 Diabetic Patients. <i>Diabetes</i> , 2008, 57, 1340-1348.	0.6	353
4	Using the lymph fistula rat model to study the potentiation of GIP secretion by the ingestion of fat and glucose. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, G1130-G1138.	3.4	28
5	Dietary Resistant Starch Reduces Levels of Glucose-Dependent Insulinotropic Polypeptide mRNA along the Jejunum-Ileum in Both Normal and Type 2 Diabetic Rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2008, 72, 2206-2209.	1.3	17
6	Effect of the artificial sweetener, sucralose, on gastric emptying and incretin hormone release in healthy subjects. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, G735-G739.	3.4	201
7	Chronic Administration of Voglibose, an $\alpha$ -Glucosidase Inhibitor, Increases Active Glucagon-Like Peptide-1 Levels by Increasing Its Secretion and Decreasing Dipeptidyl Peptidase-4 Activity in <i>ob/ob</i> Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 669-676.	2.5	49
8	Mathematical Modeling of Glucose Homeostasis and Its Relationship With Energy Balance and Body Fat. <i>Obesity</i> , 2009, 17, 632-639.	3.0	17
9	Consumption of the slow-digesting waxy maize starch leads to blunted plasma glucose and insulin response but does not influence energy expenditure or appetite in humans. <i>Nutrition Research</i> , 2009, 29, 383-390.	2.9	47
10	Chapter 15 Glucose-Dependent Insulinotropic Polypeptide (Gastric Inhibitory Polypeptide; GIP). <i>Vitamins and Hormones</i> , 2009, 80, 409-471.	1.7	144
11	Slowly Digestible Starch: Concept, Mechanism, and Proposed Extended Glycemic Index. <i>Critical Reviews in Food Science and Nutrition</i> , 2009, 49, 852-867.	10.3	341
12	Starch-Entrapped Biopolymer Microspheres as a Novel Approach to Vary Blood Glucose Profiles. <i>Journal of the American College of Nutrition</i> , 2009, 28, 583-590.	1.8	38
13	Glycemic Index and Glucose Utilization of Rice Vermicelli in Healthy Subjects. <i>Biological and Pharmaceutical Bulletin</i> , 2010, 33, 1385-1393.	1.4	8
14	Combination treatment with alogliptin and voglibose increases active GLP-1 circulation, prevents the development of diabetes and preserves pancreatic beta-cells in prediabetic <i>db/db</i> mice. <i>Diabetes, Obesity and Metabolism</i> , 2010, 12, 224-233.	4.4	51
15	Differential responses of the incretin hormones GIP and GLP-1 to increasing doses of dietary carbohydrate but not dietary protein in lean rats. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, G476-G485.	3.4	32
16	Sensing Via Intestinal Sweet Taste Pathways. <i>Frontiers in Neuroscience</i> , 2011, 5, 23.	2.8	56
17	Starches, Sugars and Obesity. <i>Nutrients</i> , 2011, 3, 341-369.	4.1	164
18	Glucose-dependent insulinotropic polypeptide: from pathophysiology to therapeutic opportunities in obesity-associated disorders. <i>Obesity Reviews</i> , 2011, 12, 813-828.	6.5	27

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19	Nutrient sensing in the gut: interactions between chemosensory cells, visceral afferents and the secretion of satiation peptides. <i>Physiology and Behavior</i> , 2011, 105, 62-70.	2.1	80
20	Acute and second-meal effects of almond form in impaired glucose tolerant adults: a randomized crossover trial. <i>Nutrition and Metabolism</i> , 2011, 8, 6.	3.0	58
21	A Low Glycemic Index Diet Does Not Affect Postprandial Energy Metabolism but Decreases Postprandial Insulinemia and Increases Fullness Ratings in Healthy Women. <i>Journal of Nutrition</i> , 2011, 141, 1679-1684.	2.9	39
22	Starch with High Amylose and Low in Vitro Digestibility Increases Short-Chain Fatty Acid Absorption, Reduces Peak Insulin Secretion, and Modulates Incretin Secretion in Pigs. <i>Journal of Nutrition</i> , 2011, 141, 398-405.	2.9	83
23	Nuclear Magnetic Resonance-Based Metabolomics Enable Detection of the Effects of a Whole Grain Rye and Rye Bran Diet on the Metabolic Profile of Plasma in Prostate Cancer Patients. <i>Journal of Nutrition</i> , 2011, 141, 2126-2132.	2.9	55
24	Intestinal transit of a glucose bolus and incretin kinetics: a mathematical model with application to the oral glucose tolerance test. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E955-E965.	3.5	33
25	Slowly and rapidly digestible starchy foods can elicit a similar glycemic response because of differential tissue glucose uptake in healthy men. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 1017-1024.	4.7	66
26	The Glycemic Response Does Not Reflect the In Vivo Starch Digestibility of Fiber-Rich Wheat Products in Healthy Men. <i>Journal of Nutrition</i> , 2012, 142, 258-263.	2.9	52
27	Chylomicron Formation and Secretion is Required for Lipid-Stimulated Release of Incretins GLP-1 and GIP. <i>Lipids</i> , 2012, 47, 571-580.	1.7	38
28	Impact of postprandial glycaemia on health and prevention of disease. <i>Obesity Reviews</i> , 2012, 13, 923-984.	6.5	331
29	Absorption patterns of meals containing complex carbohydrates in type 1 diabetes. <i>Diabetologia</i> , 2013, 56, 1108-1117.	6.3	37
30	Structures of human salivary amylase hydrolysates from starch processed at two water concentrations. <i>Starch/Staerke</i> , 2013, 65, 637-644.	2.1	8
31	Structure of starch hydrolysates following in vitro oral digestion: Effect of botanical source of starch and hydrothermal treatments. <i>Starch/Staerke</i> , 2013, 65, 885-891.	2.1	0
32	Cereal Processing Influences Postprandial Glucose Metabolism as Well as the GI Effect. <i>Journal of the American College of Nutrition</i> , 2013, 32, 79-91.	1.8	39
35	Technological Means to Modulate Food Digestion and Physiological Response. , 2014, , 389-422.		4
36	The postprandial glucose response to some varieties of commercially available gluten-free pasta: a comparison between healthy and celiac subjects. <i>Food and Function</i> , 2014, 5, 3014-3017.	4.6	16
37	Insulin drives glucose-dependent insulinotropic peptide expression via glucose-dependent regulation of FoxO1 and LEF1/ $\beta$ -catenin. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2014, 1839, 1141-1150.	1.9	9
38	Slow digestion property of microencapsulated normal corn starch. <i>Journal of Cereal Science</i> , 2014, 60, 99-104.	3.7	23

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39	A Physiology-Based Model Describing Heterogeneity in Glucose Metabolism. <i>Journal of Diabetes Science and Technology</i> , 2015, 9, 282-292.	2.2	15
40	Comparison of appetite responses to high and low glycemic index postexercise meals under matched insulinemia and fiber in type 1 diabetes. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 478-486.	4.7	13
41	A pilot longitudinal study of the use of waxy maize heat modified starch in the treatment of adults with glycogen storage disease type I: a randomized double-blind cross-over study. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 18.	2.7	19
42	Plasma glucose kinetics and response of insulin and GIP following a cereal breakfast in female subjects: effect of starch digestibility. <i>European Journal of Clinical Nutrition</i> , 2015, 69, 740-745.	2.9	33
43	The structure of wheat bread influences the postprandial metabolic response in healthy men. <i>Food and Function</i> , 2015, 6, 3236-3248.	4.6	30
44	Multifaceted interplay among mediators and regulators of intestinal glucose absorption: potential impacts on diabetes research and treatment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E887-E899.	3.5	12
45	Manipulation of starch bioaccessibility in wheat endosperm to regulate starch digestion, postprandial glycemia, insulinemia, and gut hormone responses: a randomized controlled trial in healthy ileostomy participants. <i>American Journal of Clinical Nutrition</i> , 2015, 102, 791-800.	4.7	134
46	Effects of added water and retrogradation on starch digestibility of cooked rice flours with different amylose content. <i>Journal of Cereal Science</i> , 2015, 61, 1-7.	3.7	37
47	Slowly Digestible Starch—A Review. <i>Critical Reviews in Food Science and Nutrition</i> , 2015, 55, 1642-1657.	10.3	205
48	Weight loss and weight maintenance obtained with or without GLP-1 analogue treatment decrease branched chain amino acid levels. <i>Metabolomics</i> , 2016, 12, 1.	3.0	0
49	Slow-release carbohydrates: growing evidence on metabolic responses and public health interest. Summary of the symposium held at the 12th European Nutrition Conference (FENS 2015). <i>Food and Nutrition Research</i> , 2016, 60, 31662.	2.6	25
50	The Glycemic Index of Rice and Rice Products: A Review, and Table of GI Values. <i>Critical Reviews in Food Science and Nutrition</i> , 2016, 56, 215-236.	10.3	132
51	Digestibility and structural changes of waxy rice starch during the fermentation process for waxy rice vinasse. <i>Food Hydrocolloids</i> , 2016, 57, 38-45.	10.7	61
52	The nutritional property of endosperm starch and its contribution to the health benefits of whole grain foods. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3807-3817.	10.3	23
53	Difference in postprandial GLP-1 response despite similar glucose kinetics after consumption of wheat breads with different particle size in healthy men. <i>European Journal of Nutrition</i> , 2017, 56, 1063-1076.	3.9	25
54	Modelling the effect of insulin on the disposal of meal-attributable glucose in type 1 diabetes. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 271-282.	2.8	6
55	Efficacy of fibre additions to flatbread flour mixes for reducing post-meal glucose and insulin responses in healthy Indian subjects. <i>British Journal of Nutrition</i> , 2017, 117, 386-394.	2.3	22
56	Effect of fibre additions to flatbread flour mixes on glucose kinetics: a randomised controlled trial. <i>British Journal of Nutrition</i> , 2017, 118, 777-787.	2.3	16

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57	The Effect of a Breakfast Rich in Slowly Digestible Starch on Glucose Metabolism: A Statistical Meta-Analysis of Randomized Controlled Trials. <i>Nutrients</i> , 2017, 9, 318.	4.1	24
58	Exenatide effects on gastric emptying rate and the glucose rate of appearance in plasma: <scp>A</scp> quantitative assessment using an integrative systems pharmacology model. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 2034-2038.	4.4	4
59	Starch Digestion and Applications of Slowly Available Starch. , 2018, , 805-826.		3
60	Slowly Digestible and Non-Digestible $\beta$ -Glucans: An Enzymatic Approach to Starch Modification and Nutritional Effects. <i>Starch/Staerke</i> , 2018, 70, 1700145.	2.1	13
61	Dietary Slowly Digestible Starch Triggers the Gut-Brain Axis in Obese Rats with Accompanied Reduced Food Intake. <i>Molecular Nutrition and Food Research</i> , 2018, 62, 1700117.	3.3	37
62	Effectiveness of carbohydrates as a functional ingredient in glycemic control. <i>Food Science and Technology</i> , 2018, 38, 561-576.	1.7	11
63	Slowly Digestible Starch. , 2018, , 27-61.		2
64	A double-blind, randomized, placebo-controlled, three-way crossover clinical investigation to evaluate the effect of IQP-VV-102 on postprandial blood glucose reduction. <i>PharmaNutrition</i> , 2018, 6, 113-118.	1.7	0
65	Starch and $\beta$ -glucan in a whole-grain-like structural form improve hepatic insulin sensitivity in diet-induced obese mice. <i>Food and Function</i> , 2019, 10, 5091-5101.	4.6	12
66	The Rate of Glucose Appearance Is Related to Postprandial Glucose and Insulin Responses in Adults: A Systematic Review and Meta-analysis of Stable Isotope Studies. <i>Journal of Nutrition</i> , 2019, 149, 1896-1903.	2.9	10
67	The impact of Tartary buckwheat extract on the nutritional property of starch in a whole grain context. <i>Journal of Cereal Science</i> , 2019, 89, 102798.	3.7	17
68	The Impact of a Large Bolus Dose of L-leucine and L-isoleucine on Enteroendocrine and Pancreatic Hormones, and Glycemia in Healthy, Inactive Adults. <i>Nutrients</i> , 2019, 11, 2650.	4.1	4
69	Glucose Appearance Rate Rather than the Blood Glucose Concentrations Explains Differences in Postprandial Insulin Responses between Wholemeal Rye and Refined Wheat Breads-Results from a Cross-Over Meal Study. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800959.	3.3	8
70	Design and Validation of a Diet Rich in Slowly Digestible Starch for Type 2 Diabetic Patients for Significant Improvement in Glycemic Profile. <i>Nutrients</i> , 2020, 12, 2404.	4.1	5
71	Assessing the effect of starch digestion characteristics on ileal brake activation in broiler chickens. <i>PLoS ONE</i> , 2020, 15, e0228647.	2.5	8
72	Effect of corn processing on growth performance, carcass characteristics, and plasma glucose-dependent insulinotropic polypeptide and metabolite concentrations in feedlot cattle1. <i>Translational Animal Science</i> , 2020, 4, 822-830.	1.1	6
73	Starch digestibility modulation significantly improves glycemic variability in type 2 diabetic subjects: A pilot study. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2021, 31, 237-246.	2.6	9
74	Mulberry leaf extract improves glycaemic response and insulaemic response to sucrose in healthy subjects: results of a randomized, double blind, placebo-controlled study. <i>Nutrition and Metabolism</i> , 2021, 18, 41.	3.0	10

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75	Effects of Aleurone Supplementation on Glucose-Insulin Metabolism and Gut Microbiome in Untrained Healthy Horses. <i>Frontiers in Veterinary Science</i> , 2021, 8, 642809.	2.2	4
78	Slow digestion-oriented dietary strategy to sustain the secretion of GLP-1 for improved glucose homeostasis. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 5173-5196.	11.7	14
79	Dietary starch is weight reducing when distally digested in the small intestine. <i>Carbohydrate Polymers</i> , 2021, 273, 118599.	10.2	6
80	Structural requirements of flavonoids for the selective inhibition of $\alpha$ -amylase versus $\alpha$ -glucosidase. <i>Food Chemistry</i> , 2022, 370, 130981.	8.2	32
81	Co-ingestion of NUTRALYS <sup>®</sup> pea protein and a high-carbohydrate beverage influences the glycaemic, insulinaemic, glucose-dependent insulintropic polypeptide (GIP) and glucagon-like peptide-1 (GLP-1) responses: preliminary results of a randomised controlled trial. <i>European Journal of Nutrition</i> , 2021, 60, 3085-3093.	3.9	5
82	Gastrointestinal and metabolic effects of noodles-based konjac glucomannan in rats. <i>Food and Nutrition Research</i> , 2019, 63, .	2.6	6
83	Insulin Sensitivity and Plasma Glucose Appearance Profile by Oral Minimal Model in Normotensive and Normoglycemic Humans. <i>Lecture Notes in Computer Science</i> , 2006, , 128-136.	1.3	1
84	A Review of the Design and Architecture of Starch-Based Dietary Foods. <i>Engineering</i> , 2021, 7, 663-673.	6.7	7
85	Mathematical modelling of root causes of hyperglycemia and hypoglycemia in a diabetes mellitus patient. <i>Scientific African</i> , 2021, 14, e01042.	1.5	1
86	Clinical Demonstrations of Controlled-Release Tablets Constructed by the Combined Usage of Shellac and Hydroxypropyl Methylcellulose. <i>Future Pharmacology</i> , 2021, 1, 48-59.	1.8	2
87	Impact of food processing on postprandial glycaemic and appetite responses in healthy adults: a randomized, controlled trial. <i>Food and Function</i> , 2022, 13, 1280-1290.	4.6	4
89	Uncooked cornstarch for the prevention of hypoglycemic events. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 3250-3263.	10.3	7
90	Association of Slowly Digestible Starch Intake with Reduction of Postprandial Glycemic Response: An Update Meta-Analysis. <i>Foods</i> , 2023, 12, 89.	4.3	2
91	Modeling of postprandial glycemic response by consecutive reaction kinetics model for precise glycemic control. <i>International Journal of Diabetes in Developing Countries</i> , 0, , .	0.8	0