



# ReNew Food Plan—Bibliography

## Scientific/Medical Publications

### Supports Sugar Detoxification

- Bocarsly ME, Hoebel BG, Paredes D, von Loga I, et al. GS 455534 selectively suppresses binge eating of palatable food and attenuates dopamine release in the accumbens of sugar-bingeing rats. *Behav Pharmacol.* 2014 Apr;25(2):147-57. doi: 10.1097/FBP.0000000000000029.
- Brown CM, Dulloo AG, Montani JP. Sugary drinks in the pathogenesis of obesity and cardiovascular diseases. *Int J Obes (Lond).* 2008 Dec;32 Suppl 6:S28-34. doi: 10.1038/ijo.2008.204.
- Cameron CM, Wightman RM, Carelli RM. Dynamics of rapid dopamine release in the nucleus accumbens during goal-directed behaviors for cocaine versus natural rewards. *Neuropharmacol.* 2014 Nov;86:319-28. doi: 10.1016/j.neuropharm.2014.08.006.
- García-Cáceres C, Tschöp MH. The emerging neurobiology of calorie addiction. *Elife.* 2014;3:e01928. doi: 10.7554/eLife.01928.
- Gatineau E, Savary-Auzeloux I, Migné C, Polakof S, et al. Chronic intake of sucrose accelerates sarcopenia in older male rats through alterations in insulin sensitivity and muscle protein synthesis. *J Nutr.* 2015 May;145(5):923-30. doi: 10.3945/jn.114.205583.
- Jebb SA. Carbohydrates and obesity: from evidence to policy in the UK. *Proc Nutr Soc.* 2015 Aug;74(3):215-20. doi: 10.1017/S0029665114001645.
- Johnson RJ, Nakagawa T, Sanchez-Lozada LG, Shafiu M, et al. Sugar, uric acid, and the etiology of diabetes and obesity. *Diabetes.* 2013 Oct;62(10):3307-15. doi: 10.2337/db12-1814.
- Raatz SK, Johnson LK, Picklo MJ. Consumption of honey, sucrose, and high-fructose corn syrup produces similar metabolic effects in glucose-tolerant and -intolerant Individuals. *J Nutr.* 2015 Oct;145(10):2265-72. doi: 10.3945/jn.115.218016.
- Spangler R, Wittkowski KM, Goddard NL, Avena NM, et al. Opiate-like effects of sugar on gene expression in reward areas of the rat brain. *Brain Res Mol Brain Res.* 2004 May 19;124(2):134-42.

### Eliminates Processed Foods

- Bhupathiraju SN, Tucker KL. Coronary heart disease prevention: nutrients, foods, and dietary patterns. *Clin Chim Acta.* 2011 Aug 17;412(17-18):1493-514. doi: 10.1016/j.cca.2011.04.038. Epub 2011 May 7.
- Cordain L, Eaton SB, Sebastian A, Mann N, et al. Origins and evolution of the Western diet: health implications for the 21st century. *Am J Clin Nutr.* 2005 Feb;81(2):341-54.
- EWG (Environmental Working Group). 2007. Bisphenol A: toxic plastics chemical in canned food. Environmental Working Group. Available at <http://www.ewg.org/reports/bisphenola>.
- Food\_Processing-Background.pdf. (n.d.). Available from [http://www.jhsph.edu/research/centers-and-institutes/teaching-the-food-system/curriculum/\\_pdf/Food\\_Processing-Background.pdf](http://www.jhsph.edu/research/centers-and-institutes/teaching-the-food-system/curriculum/_pdf/Food_Processing-Background.pdf)
- Heidemann C, Scheidt-Nave C, Richter A, Mensink GB. Dietary patterns are associated with cardiometabolic risk factors in a representative study population of German adults. *Br J Nutr.* 2011 Oct;106(8):1253-62. doi: 10.1017/S0007114511001504.

### Eliminates Processed Foods *(cont.)*

- EPA. Choose fish and shellfish wisely. Available from [http://water.epa.gov/scitech/swguidance/fishshellfish/outreach/advice\\_index.CFM](http://water.epa.gov/scitech/swguidance/fishshellfish/outreach/advice_index.CFM) . Accessed 2/29/16.
- Mente A, de Koning L, Shannon HS, Anand SS. A systematic review of the evidence supporting a causal link between dietary factors and coronary heart disease. *Arch Intern Med*. 2009 Apr 13;169(7):659-69. doi: 10.1001/archinternmed.2009.38.
- Monteiro CA, Levy RB, Claro RM, de Castro IR, Cannon G. Increasing consumption of ultra-processed foods and likely impact on human health: evidence from Brazil. *Public Health Nutr*. 2011 Jan;14(1):5-13. doi: 10.1017/S1368980010003241
- Moubarac JC, Martins AP, Claro RM, Levy RB, et al. Consumption of ultra-processed foods and likely impact on human health. Evidence from Canada. *Public Health Nutr*. 2013 Dec;16(12):2240-8. doi: 10.1017/S1368980012005009.
- Park KY, Jeong JK, Lee YE, Daily JW 3rd. Health benefits of kimchi (Korean fermented vegetables) as a probiotic food. *J Med Food*. 2014 Jan;17(1):6-20. doi: 10.1089/jmf.2013.3083.
- Poti JM, Mendez MA, Ng SW, Popkin BM. Is the degree of food processing and convenience linked with the nutritional quality of foods purchased by US households? *Am J Clin Nutr*. 2015 Jun;101(6):1251-62. doi: 10.3945/ajcn.114.100925.
- Salas-Salvadó J, Martínez-González MÁ, Bulló M, Ros E. The role of diet in the prevention of type 2 diabetes. *Nutr Metab Cardiovasc Dis*. 2011 Sep;21 Suppl 2:B32-48. doi: 10.1016/j.numecd.2011.03.009.
- Satish Kumar R, Kanmani P, Yuvaraj N, Paari KA, et al. Traditional Indian fermented foods: a rich source of lactic acid bacteria. *Int J Food Sci Nutr*. 2013 Jun;64(4):415-28. doi: 10.3109/09637486.2012.746288.
- Swain MR, Anandharaj M, Ray RC, Parveen Rani R. Fermented fruits and vegetables of Asia: a potential source of probiotics. *Biotechnol Res Int*. 2014;2014:250424. doi: 10.1155/2014/250424.
- Wirfält E, Drake I, Wallström P. What do review papers conclude about food and dietary patterns? *Food Nutr Res*. 2013;57. doi: 10.3402/fnr.v57i0.20523.

### Dairy-, Grain-, and Gluten-Free

- Aziz I, Hadjivassiliou M, Sanders DS. The spectrum of noncoeliac gluten sensitivity. *Nat Rev Gastroenterol Hepatol*. 2015 Sep;12(9):516-26. doi: 10.1038/nrgastro.2015.107.
- Casella G, Bordo BM, Schalling R, Villanacci V, et al. Neurological disorders and celiac disease. *Minerva Gastroenterol Dietol*. 2015 Nov 30.
- Catassi C. Gluten Sensitivity. *Ann Nutr Metab*. 2015;67 Suppl 2:16-26. doi: 10.1159/000440990.
- Cuomo R, Androozzi P, Zito FP, Passananti V, et al. Irritable bowel syndrome and food interaction. *World J Gastroenterol*. 2014 Jul 21;20(27):8837-45. doi: 10.3748/wjg.v20.i27.8837.
- Daulatzai MA. Non-celiac gluten sensitivity triggers gut dysbiosis, neuroinflammation, gut-brain axis dysfunction, and vulnerability for dementia. *CNS Neurol Disord Drug Targets*. 2015;14(1):110-31.
- Dickerson F, Stallings C, Origoni A, Vaughan C, et al. Markers of gluten sensitivity in acute mania: a longitudinal study. *Psychiatry Res*. 2012 Mar 30;196(1):68-71. doi: 10.1016/j.psychres.2011.11.007.
- Elli L, Roncoroni L, Bardella MT. Non-celiac gluten sensitivity: Time for sifting the grain. *World J Gastroenterol*. 2015 Jul 21;21(27):8221-6. doi: 10.3748/wjg.v21.i27.8221.

**Dairy-, Grain-, and Gluten-Free** (*cont.*)

- Nash DT, Slutzky AR. Gluten sensitivity: new epidemic or new myth? Proc (Bayl Univ Med Cent). 2014 Oct;27(4):377-8.
- Hadjivassiliou M, Rao DG, Grinewald RA, Aeschlimann DP, et al. Neurological dysfunction in coeliac disease and non-coeliac gluten sensitivity. Am J Gastroenterol. 2016 Feb 2. doi: 10.1038/ajg.2015.434.
- Jönsson T, Granfeldt Y, Ahrén B, Branell UC, et al. Beneficial effects of a Paleolithic diet on cardiovascular risk factors in type 2 diabetes: a randomized cross-over pilot study. Cardiovasc Diabetol. 2009 Jul 16;8:35. doi: 10.1186/1475-2840-8-35.
- Jönsson T, Granfeldt Y, Erlanson-Albertsson C, Ahrén B, Lindeberg S. A Paleolithic diet is more satiating per calorie than a Mediterranean-like diet in individuals with ischemic heart disease. Nutr Metab (Lond). 2010 Nov 30;7:85. doi: 10.1186/1743-7075-7-85.
- Lionetti E, Leonardi S, Franzonello C, Mancardi M, et al. Gluten psychosis: confirmation of a new clinical entity. Nutrients. 2015 Jul 8;7(7):5532-9. doi: 10.3390/nu7075235.
- Marchioni Beery RM, Birk JW. Wheat-related disorders reviewed: making a grain of sense. Expert Rev Gastroenterol Hepatol. 2015 Jun;9(6):851-64. doi: 10.1586/17474124.2015.1032252.
- Nemani K, Hosseini Ghomi R, McCormick B, Fan X. Schizophrenia and the gut-brain axis. Prog Neuropsychopharmacol Biol Psychiatry. 2015 Jan 2;56:155-60. doi: 10.1016/j.pnpbp.2014.08.018.
- Pastore RL, Brooks JT, Carbone JW. Paleolithic nutrition improves plasma lipid concentrations of hypercholesterolemic adults to a greater extent than traditional heart-healthy dietary recommendations. Nutr Res. 2015 Jun;35(6):474-9. doi: 10.1016/j.nutres.2015.05.002.
- Phy JL, Pohlmeier AM, Cooper JA, Watkins P, et al. Low starch/low dairy diet results in successful treatment of obesity and co-morbidities linked to polycystic ovary syndrome (PCOS). J Obes Weight Loss Ther. 2015 Apr;5(2).
- Spencer M, Chey WD, Eswaran S. Dietary renaissance in IBS: has food replaced medications as a primary treatment strategy? Curr Treat Options Gastroenterol. 2014 Dec;12(4):424-40. doi: 10.1007/s11938-014-0031-x.
- Trivedi MS, Hodgson NW, Walker SJ, Trooskens G, et al. Epigenetic effects of casein-derived opioid peptides in SH-SY5Y human neuroblastoma cells. Nutr Metab (Lond). 2015 Dec 9;12:54. doi: 10.1186/s12986-015-0050-1.
- Uy N, Graf L, Lemley KV, Kaskel F. Effects of gluten-free, dairy-free diet on childhood nephrotic syndrome and gut microbiota. Pediatr Res. 2015 Jan;77(1-2):252-5. doi: 10.1038/pr.2014.159. Epub 2014 Oct 13. Review.
- Willett WC. Overview and perspective in human nutrition. Asia Pac J Clin Nutr. 2008;17 Suppl 1:1-4. Review.

**Reduces Inflammation**

- Bahadoran Z, Mirmiran P, Azizi F. Potential efficacy of broccoli sprouts as a unique supplement for management of type 2 diabetes and its complications. J Med Food. 2013 May;16(5):375-82. doi: 10.1089/jmf.2012.2559.
- Bellik Y, Boukraâ L, Alzahrani HA, Bakhotmah BA, et al. Molecular mechanism underlying anti-inflammatory and anti-allergic activities of phytochemicals: an update. Molecules. 2012 Dec 27;18(1):322-53. doi: 10.3390/molecules18010322.
- Buyken AE, Goletzke J, Joslowski G, Felbick A, et al. Association between carbohydrate quality and inflammatory markers: systematic review of observational and interventional studies. Am J Clin Nutr. 2014 Apr;99(4):813-33. doi: 10.3945/ajcn.113.074252.
- Casas R, Sacanella E, Estruch R. The immune protective effect of the Mediterranean diet against chronic low-grade inflammatory diseases. Endocr Metab Immune Disord Drug Targets. 2014;14(4):245-54.

**Reduces Inflammation** (*cont.*)

- de Figueiredo SM, Filho SA, Nogueira-Machado JA, Caligiorne RB. The anti-oxidant properties of isothiocyanates: a review. *Recent Pat Endocr Metab Immune Drug Discov.* 2013 Sep;7(3):213-25.
- Dias JA, Wirfält E, Drake I, Gullberg B, et al. A high quality diet is associated with reduced systemic inflammation in middle-aged individuals. *Atherosclerosis.* 2015 Jan;238(1):38-44. doi: 10.1016/j.atherosclerosis.2014.11.006.
- Egger G, Dixon J. Inflammatory effects of nutritional stimuli: further support for the need for a big picture approach to tackling obesity and chronic disease. *Obes Rev.* 2010 Feb;11(2):137-49. doi: 10.1111/j.1467-789X.2009.00644.x.
- Ghosh N, Ali A, Ghosh R, Das S, et al. Chronic inflammatory diseases: progress and prospect with herbal medicine. *Curr Pharm Des.* 2015;22(2):247-64.
- Guerrero-Beltrán CE, Calderón-Oliver M, Pedraza-Chaverri J, Chirino YI. Protective effect of sulforaphane against oxidative stress: recent advances. *Exp Toxicol Pathol.* 2012 Jul;64(5):503-8. doi: 10.1016/j.etp.2010.11.005.
- Lottenberg AM, Afonso Mda S, Lavrador MS, Machado RM, Nakandakare ER. The role of dietary fatty acids in the pathology of metabolic syndrome. *J Nutr Biochem.* 2012 Sep;23(9):1027-40. doi: 10.1016/j.jnutbio.2012.03.004.
- Navarro SL, Schwarz Y, Song X, Wang CY, et al. Cruciferous vegetables have variable effects on biomarkers of systemic inflammation in a randomized controlled trial in healthy young adults. *J Nutr.* 2014 Nov;144(11):1850-7. doi: 10.3945/jn.114.197434.
- Neuhouser ML, Schwarz Y, Wang C, Breymeyer K, et al. A low-glycemic load diet reduces serum C-reactive protein and modestly increases adiponectin in overweight and obese adults. *J Nutr.* 2012 Feb;142(2):369-74. doi: 10.3945/jn.111.149807.
- Nguyen B, Luong L, Naase H, Vives M, et al. Sulforaphane pretreatment prevents systemic inflammation and renal injury in response to cardiopulmonary bypass. *J Thorac Cardiovasc Surg.* 2014 Aug;148(2):690-697.e3. doi: 10.1016/j.jtcvs.2013.12.048.
- Park KH, Zaichenko L, Peter P, Davis CR, Crowell JA, Mantzoros CS. Diet quality is associated with circulating C-reactive protein but not irisin levels in humans. *Metabolism.* 2014 Feb;63(2):233-41. doi: 10.1016/j.metabol.2013.10.011.
- Sears B, Ricordi C. Role of fatty acids and polyphenols in inflammatory gene transcription and their impact on obesity, metabolic syndrome and diabetes. *Eur Rev Med Pharmacol Sci.* 2012 Sep;16(9):1137-54.
- Simopoulos AP. Dietary omega-3 fatty acid deficiency and high fructose intake in the development of metabolic syndrome, brain metabolic abnormalities, and non-alcoholic fatty liver disease. *Nutrients.* 2013 Jul 26;5(8):2901-23. doi: 10.3390/nu5082901.
- van Bussel BC, Henry RM, Ferreira I, van Greevenbroek MM, et al. A healthy diet is associated with less endothelial dysfunction and less low-grade inflammation over a 7-year period in adults at risk of cardiovascular disease. *J Nutr.* 2015 Mar;145(3):532-40. doi: 10.3945/jn.114.201236.
- Wellen KE, Hotamisligil GS. Inflammation, stress, and diabetes. *J Clin Invest.* 2005 May;115(5):1111-9.
- Welty FK, Alfaddagh A, Elajami TK. Targeting inflammation in metabolic syndrome. *Transl Res.* 2016 Jan;167(1):257-80. doi: 10.1016/j.trsl.2015.06.017.

### Identifies and Reduces Food Triggers

- Dalton M, Blundell J, Finlayson G. Effect of BMI and binge eating on food reward and energy intake: further evidence for a binge eating subtype of obesity. *Obes Facts*. 2013;6(4):348-59. doi: 10.1159/000354599. Epub
- Erlanson-Albertsson C. Sugar triggers our reward-system. Sweets release opiates which stimulate the appetite for sucrose—insulin can depress it. *Lakartidningen*. 2005 May 23-29;102(21):1620-2, 1625, 1627.
- Finlayson G, Bordes I, Griffioen-Roose S, de Graaf C, Blundell JE. Susceptibility to overeating affects the impact of savory or sweet drinks on satiation, reward, and food intake in nonobese women. *J Nutr*. 2012 Jan;142(1):125-30. doi: 10.3945/jn.111.148106.
- Lenoir M, Serre F, Cantin L, Ahmed SH. Intense sweetness surpasses cocaine reward. *PLoS One*. 2007 Aug 1;2(8):e698.
- Lindqvist A, Baelemans A, Erlanson-Albertsson C. Effects of sucrose, glucose and fructose on peripheral and central appetite signals. *Regul Pept*. 2008 Oct 9;150(1-3):26-32. doi: 10.1016/j.regpep.2008.06.008.
- Morris MJ, Beilharz JE, Maniam J, Reichelt AC, Westbrook RF. Why is obesity such a problem in the 21st century? The intersection of palatable food, cues and reward pathways, stress, and cognition. *Neurosci Biobehav Rev*. 2015 Nov;58:36-45. doi: 10.1016/j.neubiorev.2014.12.002.

### Reduces Cravings and Food Addictions

- Ahmed SH, Guillem K, Vandaele Y. Sugar addiction: pushing the drug-sugar analogy to the limit. *Curr Opin Clin Nutr Metab Care*. 2013 Jul;16(4):434-9. doi: 10.1097/MCO.0b013e328361c8b8.
- Avena NM, Rada P, Hoebel BG. Evidence for sugar addiction: behavioral and neurochemical effects of intermittent, excessive sugar intake. *Neurosci Biobehav Rev*. 2008;32(1):20-39.
- Avena NM. Examining the addictive-like properties of binge eating using an animal model of sugar dependence. *Exp Clin Psychopharmacol*. 2007 Oct;15(5):481-91.
- Avena NM, Rada P, Hoebel BG. Sugar and fat bingeing have notable differences in addictive-like behavior. *J Nutr*. 2009 Mar;139(3):623-8. doi: 10.3945/jn.108.097584.
- Blum K, Thanos PK, Gold MS. Dopamine and glucose, obesity, and reward deficiency syndrome. *Front Psychol*. 2014 Sep 17;5:919. doi: 10.3389/fpsyg.2014.00919.
- Contreras-Rodríguez O, Martín-Pérez C, Vilar-López R, Verdejo-García A. Ventral and dorsal striatum networks in obesity: link to food craving and weight gain. *Biol Psychiatry*. 2015 Dec 3. pii: S0006-3223(15)00997-X. doi: 10.1016/j.biopsych.2015.11.020.
- Gilhooly CH, Das SK, Golden JK, McCrory MA, et al. Food cravings and energy regulation: the characteristics of craved foods and their relationship with eating behaviors and weight change during 6 months of dietary energy restriction. *Int J Obes (Lond)*. 2007 Dec;31(12):1849-58.
- Ho A, Kennedy J, Dimitropoulos A. Neural correlates to food-related behavior in normal-weight and overweight/obese participants. *PLoS One*. 2012;7(9):e45403. doi: 10.1371/journal.pone.0045403.
- Hone-Blanchet A, Fecteau S. Overlap of food addiction and substance use disorders definitions: analysis of animal and human studies. *Neuropharmacol*. 2014 Oct;85:81-90. doi: 10.1016/j.neuropharm.2014.05.019.
- Joyner MA, Gearhardt AN, White MA. Food craving as a mediator between addictive-like eating and problematic eating outcomes. *Eat Behav*. 2015 Dec;19:98-101. doi: 10.1016/j.eatbeh.2015.07.005.
- Kober H, Mende-Siedlecki P, Kross EF, Weber J, et al. Prefrontal-striatal pathway underlies cognitive regulation of craving. *Proc Natl Acad Sci U S A*. 2010 Aug 17;107(33):14811-6. doi: 10.1073/pnas.1007779107.

- Morris MJ, Beilharz JE, Maniam J, Reichelt AC, Westbrook RF. Why is obesity such a problem in the 21st century? The intersection of palatable food, cues and reward pathways, stress, and cognition. *Neurosci Biobehav Rev.* 2014 Dec 10. pii: S0149-7634(14)00333-9. doi: 10.1016/j.neubiorev.2014.12.002.
- Schulte EM, Avena NM, Gearhardt AN. Which foods may be addictive? The roles of processing, fat content, and glycemic load. *PLoS One.* 2015 Feb 18;10(2):e0117959. doi: 10.1371/journal.pone.0117959.
- Seaman DR. Weight gain as a consequence of living a modern lifestyle: a discussion of barriers to effective weight control and how to overcome them. *J Chiropr Humanit.* 2013 Oct 22;20(1):27-35. doi: 10.1016/j.echu.2013.08.001.
- Shriner RL. Food addiction: detox and abstinence reinterpreted? *Exp Gerontol.* 2013 Oct;48(10):1068-74. doi: 10.1016/j.exger.2012.12.005. Epub 2012 Dec 23.
- Sundborn G, Merriman TR, Thornley S, Metcalf P, Jackson R. An 'end-game' for sugar sweetened beverages? *Pac Health Dialog.* 2014 Mar;20(1):22-30.
- Swarna Nantha Y. Addiction to sugar and its link to health morbidity: a primer for newer primary care and public health initiatives in Malaysia. *J Prim Care Community Health.* 2014 Oct;5(4):263-70. doi: 10.1177/2150131914536988.
- Thornley S, Sundborn G. The case to ban sugary food and drink from schools: these products are addictive, and kids will learn best without them. *Pac Health Dialog.* 2014 Mar;20(1):17-21.
- Van Vugt DA, Krzemien A, Alsaadi H, Palerme S, Reid RL. Effect of insulin sensitivity on corticolimbic responses to food picture in women with polycystic ovary syndrome. *Obesity (Silver Spring).* 2013 Jun;21(6):1215-22. doi: 10.1002/oby.20148.
- Yao L, Li W, Dai Z, Dong C. Eating behavior associated with gray matter volume alternations: A voxel based morphometry study. *Appetite.* 2016 Jan 1;96:572-9. doi: 10.1016/j.appet.2015.10.017.
- Yokum S, Stice E. Cognitive regulation of food craving: effects of three cognitive reappraisal strategies on neural response to palatable foods. *Int J Obes (Lond).* 2013 Dec;37(12):1565-70. doi: 10.1038/ijo.2013.39.
- Zhao J, Li M, Zhang Y, Song H, et al. Intrinsic brain subsystem associated with dietary restraint, disinhibition and hunger: an fMRI study. *Brain Imaging Behav.* 2016 Feb 9.

### Phytonutrients to Heal the Gut

- Chirumbolo S. Dietary assumption of plant polyphenols and prevention of allergy. *Curr Pharm Des.* 2014;20(6):811-39.
- Covas MI, Nyyssönen K, Poulsen HE, Kaikkonen J, ET AOL: EUROLIVE Study Group. The effect of polyphenols in olive oil on heart disease risk factors: a randomized trial. *Ann Intern Med.* 2006 Sep 5;145(5):333-41.
- DebMandal M, Mandal S. Coconut (*Cocos nucifera* L.:Arecaceae): in health promotion and disease prevention. *Asian Pac J Trop Med.* 2011 Mar;4(3):241-7. doi: 10.1016/S1995-7645(11)60078-3.
- Dreher, M., Davenport, A. 2013. Hass avocado composition and potential health effects. *Critical Review Food Science Nutrition*; 53(7):738-750.
- Dueñas M, Muñoz-González I, Cueva C, Jiménez-Girón A, et al. A survey of modulation of gut microbiota by dietary polyphenols. *Biomed Res Int.* 2015;2015:850902. doi: 10.1155/2015/850902.
- Fernando WM, Martins IJ, Goozee KG, Brennan CS, et al. The role of dietary coconut for the prevention and treatment of Alzheimer's disease: potential mechanisms of action. *Br J Nutr.* 2015 Jul 14;114(1):1-14. doi: 10.1017/S0007114515001452.
- Gupta C, Prakash D. Phytonutrients as therapeutic agents. *J Complement Integr Med.* 2014 Sep;11(3):151-69.

**Phytonutrients to Heal the Gut** (*cont.*)

- Joven J, Micol V, Segura-Carretero A, Alonso-Villaverde C, Menéndez JA. Bioactive Food Components Platform. Polyphenols and the modulation of gene expression pathways: can we eat our way out of the danger of chronic disease? *Crit Rev Food Sci Nutr.* 2014;54(8):985-1001. doi: 10.1080/10408398.2011.621772.
- Kozłowska A, Szostak-Wegierek D. Flavonoids—food sources and health benefits. *Rocz Panstw Zakl Hig.* 2014;65(2):79-85.
- Leisher A, Mündlein A, Drexel H. Phytochemicals and their impact on adipose tissue inflammation and diabetes. *Vascul Pharmacol.* 2013 Jan;58(1-2):3-20. doi: 10.1016/j.vph.2012.09.002.
- Liu RH. Dietary bioactive compounds and their health implications. *J Food Sci.* 2013 Jun;78 Suppl 1:A18-25. doi: 10.1111/1750-3841.12101.
- Manganaris GA, Goulas V, Vicente AR, Terry LA. Berry antioxidants: small fruits providing large benefits. *J Sci Food Agric.* 2014 Mar 30;94(5):825-33. doi: 10.1002/jsfa.6432.
- Tomás-Barberán FA, García-Villalba R, González-Sarrías A, Selma MV, Espín JC. Ellagic acid metabolism by human gut microbiota: consistent observation of three urolithin phenotypes in intervention trials, independent of food source, age, and health status. *J Agric Food Chem.* 2014 Jul 16;62(28):6535-8. doi: 10.1021/jf5024615.
- Zhang YJ, Gan RY, Li S, Zhou Y, et al. Antioxidant phytochemicals for the prevention and treatment of chronic diseases. *Molecules.* 2015 Nov 27;20(12):21138-56. doi: 10.3390/molecules201219753.

**Encourages Healthy Elimination of Toxins**

- Chung RT. Detoxification effects of phytonutrients against environmental toxicants and sharing of clinical experience on practical applications. *Environ Sci Pollut Res Int.* 2015 Aug 28.
- Cline JC. Nutritional aspects of detoxification in clinical practice. *Altern Ther Health Med.* 2015 May-Jun;21(3):54-62.
- Furst A. Can nutrition affect chemical toxicity? *Int J Toxicol.* 2002 Sep-Oct;21(5):419-24. Review.
- James D, Devaraj S, Bellur P, Lakkanna S, et al. Novel concepts of broccoli sulforaphanes and disease: induction of phase II antioxidant and detoxification enzymes by enhanced-glucoraphanin broccoli. *Nutr Rev.* 2012 Nov;70(11):654-65. doi: 10.1111/j.1753-4887.2012.00532.x.
- Kapusta-Duch J, Kopeć A, Piatkowska E, Borczak B, Leszczyńska T. The beneficial effects of Brassica vegetables on human health. *Rocz Panstw Zakl Hig.* 2012;63(4):389-95.
- Madrigal-Santillán E, Madrigal-Bujaidar E, Álvarez-González I, Sumaya-Martínez MT, et al. Review of natural products with hepatoprotective effects. *World J Gastroenterol.* 2014 Oct 28;20(40):14787-804. doi: 10.3748/wjg.v20.i40.14787.
- Morita K, Tobiishi K. Increasing effect of nori on the fecal excretion of dioxin by rats. *Biosci Biotechnol Biochem.* 2002 Nov;66(11):2306-13. Encourages Healthy Elimination of Toxins

**Diabetes/Carbohydrates**

- Ashraf MJ, Baweja P. Obesity: the ‘huge’ problem in cardiovascular diseases. *Mo Med*. 2013 Nov-Dec;110(6):499-504.
- Atkinson, F, Foster-Powell, K., Brand-Miller, J. International table of glycemic index and glycemic load values. *Diab Care*. 2008; 31 (12): 2281-2283.
- Bailey CJ. The challenge of managing coexistent type 2 diabetes and obesity. *BMJ*. 2011 Apr 13;342:d1996. doi: 10.1136/bmj.d1996.
- Farag YM, Gaballa MR. Diabesity: an overview of a rising epidemic. *Nephrol Dial Transplant*. 2011 Jan;26(1):28-35. doi: 10.1093/ndt/gfq576.
- Gangwisch, J., Hale, L., Garcia, L. Malaspina, D., Opler, M., et al.. High glycemic index diet as a risk factor for depression: analyses from the Women’s Health Initiative. *Am J Clin Nutr*. 2015; 10.3945; 1-10.
- Gómez-Ambrosi J, Silva C, Galofré JC, Escalada J, et al. Body adiposity and type 2 diabetes: increased risk with a high body fat percentage even having a normal BMI. *Obesity (Silver Spring)*. 2011 Jul;19(7):1439-44. doi: 10.1038/oby.2011.36.
- Johnson RJ, Nakagawa T, Sanchez-Lozada LG, Shafiu M, et al. Sugar, uric acid, and the etiology of diabetes and obesity. *Diabetes*. 2013 Oct;62(10):3307-15. doi: 10.2337/db12-1814.
- Kalra S. Diabesity. *J Pak Med Assoc*. 2013 Apr;63(4):532-4.
- Kral JG. Diabesity: palliating, curing or preventing the dysmetabolic diathesis. *Maturitas*. 2014 Mar;77(3):243-8. doi: 10.1016/j.maturitas.2013.12.004.
- Leite JO, DeOgburn R, Ratliff JC, Su R, et al. Low-carbohydrate diet disrupts the association between insulin resistance and weight gain. *Metabolism*. 2009 Aug;58(8):1116-22. doi: 10.1016/j.metabol.2009.04.004.
- Livesey G, Taylor R, Livesey H, Liu S. Is there a dose-response relation of dietary glycemic load to risk of type 2 diabetes? Meta-analysis of prospective cohort studies. *Am J Clin Nutr*. 2013 Mar;97(3):584-96. doi: 10.3945/ajcn.112.041467.
- Mirrahimi A, de Souza RJ, Chiavaroli L, Sievenpiper JL, et al. Associations of glycemic index and load with coronary heart disease events: a systematic review and meta-analysis of prospective cohorts. *J Am Heart Assoc*. 2012 Oct;1(5):e000752. doi: 10.1161/JAHA.112.000752.
- Mobley CC. Lifestyle interventions for “diabesity”: the state of the science. *Compend Contin Educ Dent*. 2004 Mar;25(3):207-8, 211-2, 214-8; quiz 220.
- Musso G, Paschetta E, Gambino R, Cassader M, Molinaro F. Interactions among bone, liver, and adipose tissue predisposing to diabesity and fatty liver. *Trends Mol Med*. 2013 Sep;19(9):522-35. doi: 10.1016/j.molmed.2013.05.006.
- Sasakabe T, Haimoto H, Umegaki H, Wakai K. Effects of a moderate low-carbohydrate diet on preferential abdominal fat loss and cardiovascular risk factors in patients with type 2 diabetes. *Diabetes Metab Syndr Obes*. 2011;4:167-74. doi: 10.2147/DMSO.S19635.
- Sasakabe T, Haimoto H, Umegaki H, Wakai K. Association of decrease in carbohydrate intake with reduction in abdominal fat during 3-month moderate low-carbohydrate diet among non-obese Japanese patients with type 2 diabetes. *Metabolism*. 2015 May;64(5):618-25. doi: 10.1016/j.metabol.2015.01.012.
- Shriner RL. Food as a bariatric drug. *Curr Pharm Des*. 2011;17(12):1198-208.
- Stanhope KL, Schwarz JM, Keim NL, Griffen SC, et al. Consuming fructose-sweetened, not glucose-sweetened, beverages increases visceral adiposity and lipids and decreases insulin sensitivity in overweight/obese humans. *J Clin Invest*. 2009 May;119(5):1322-34. doi: 10.1172/JCI37385.
- Tan BK, Adya R, Randeva HS. Omentin: a novel link between inflammation, diabesity, and cardiovascular disease. *Trends Cardiovasc Med*. 2010 Jul;20(5):143-8. doi: 10.1016/j.tcm.2010.12.002.



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- Ackermann W, Coenen M, Schrödl W, Shehata AA, Krüger M. The influence of glyphosate on the microbiota and production of botulinum neurotoxin during ruminal fermentation. *Curr Microbiol.* 2015 Mar;70(3):374-82. doi: 10.1007/s00284-014-0732-3.
- Cascio G, Schiera G, Di Liegro I. Dietary fatty acids in metabolic syndrome, diabetes and cardiovascular diseases. *Curr Diabetes Rev.* 2012 Jan;8(1):2-17.
- de Jesus Raposo MF, de Morais AM, de Morais RM. Emergent sources of prebiotics: seaweeds and microalgae. *Mar Drugs.* 2016 Jan 28;14(2). pii: E27. doi: 10.3390/md14020027.
- Johnson IT, Belshaw NJ. The effect of diet on the intestinal epigenome. *Epigenomics.* 2014 Apr;6(2):239-51. doi: 10.2217/epi.14.8.
- Linares DM, Ross P, Stanton C. Beneficial Microbes: The pharmacy in the gut. *Bioengineered.* 2015 Dec 28;1-28.
- Morita K, Matsueda T, Iida T. [Effect of green vegetable on digestive tract absorption of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans in rats]. *Fukuoka Igaku Zasshi.* 1999 May;90(5):171-83.
- Mohammadifard N, Nazem M, Naderi GA, Saghafian F, et al. Effect of hydrogenated, liquid and ghee oils on serum lipids profile. *ARYA Atheroscler.* 2010 Spring;6(1):16-22.
- Reese I. [Debating histamine intolerance: are adverse reactions to histamine-containing foods fact or fiction?]. *Hautarzt.* 2014 Jun;65(6):559-66. doi: 10.1007/s00105-014-2815-2.
- Sharma H, Zhang X, Dwivedi C. The effect of ghee (clarified butter) on serum lipid levels and microsomal lipid peroxidation. *Ayu.* 2010 Apr;31(2):134-40. doi: 10.4103/0974-8520.72361.
- Te Morenga LA, Levers MT, Williams SM, Brown RC, Mann J. Comparison of high protein and high fiber weight-loss diets in women with risk factors for the metabolic syndrome: a randomized trial. *Nutr J.* 2011 Apr 28;10:40. doi: 10.1186/1475-2891-10-40.
- Weidenhiller M, Layritz C, Hagel AF, Kuefner M, et al. [Histamine intolerance syndrome (HIS): plethora of physiological, pathophysiological and toxic mechanisms and their differentiation]. *Z Gastroenterol.* 2012 Dec;50(12):1302-9. doi: 10.1055/s-0032-1325487.
- Wycherley TP, Noakes M, Clifton PM, Cleanthous X, et al. A high-protein diet with resistance exercise training improves weight loss and body composition in overweight and obese patients with type 2 diabetes. *Diabetes Care.* 2010 May;33(5):969-76. doi: 10.2337/dc09-1974.

## Books

- Hyman M. The blood sugar solution 10-day detox diet: activate your body's natural ability to burn fat and lose weight fast. New York: Little, Brown and Company, 2014.
- Murray MT, Pizzorno JE, Pizzorno L. The encyclopedia of healing foods. New York: Atria Books, 2005.
- Lukaczer D, Jones DS, Lerman RH, Quinn S, Liska D. Clinical nutrition: a functional approach. 2nd edition. Federal Way: The Institute for Functional Medicine, 2004.