

Reference List

Title:

Let's Talk Detox! How RDNs Can Reclaim the Cleanse, by Mary Purdy, MS, RDN

References:

1. Abascal K, Yarnell E. Cilantro-culinary herb or miracle medicinal plant? *Altern Complement Ther.* 2012;18(5):259-264.
2. Academy of Nutrition and Dietetics. Definition of terms list. <https://www.eatrightpro.org/-/media/eatrightpro-files/practice/scope-standards-of-practice/20190910-academy-definition-of-terms-list.pdf>. Published September 10, 2019.
3. Achufusi TGO, Patel RK. Milk thistle. NCBI Bookshelf website. <https://www.ncbi.nlm.nih.gov/books/NBK541075/>. Updated September 3, 2019.
4. Al-Achkar W, Azeiz G, Moassass F, Wafa A. Influence of CYP1A1, GST polymorphisms and susceptibility risk of chronic myeloid leukemia in Syrian population. *Med Oncol.* 2014;31(5):889.
5. Alberts B, Johnson A, Lewis J, et al, eds. *Molecular Biology of the Cell*. 6th ed. New York, NY: Garland Science; 2014.
6. Aminov Z, Haase RF, Pavuk M, Carpenter DO; Anniston Environmental Health Research Consortium. Analysis of the effects of exposure to polychlorinated biphenyls and chlorinated pesticides on serum lipid levels in residents of Anniston, Alabama. *Environ Health.* 2013;12:108.
7. Basu N, Goodrich JM, Head J. Ecogenetics of mercury: from genetic polymorphisms and epigenetics to risk assessment and decision-making. *Environ Toxicol Chem.* 2014;33(6):1248-1258.
8. Bernhoft RA. Mercury toxicity and treatment: a review of the literature. *J Environ Public Health.* 2012;2012:460508
9. Bianchini F, Vainio H. Allium vegetables and organosulfur compounds: do they help prevent cancer? *Environ Health Perspect.* 2001;109(9):893-902.
10. Board PG, Menon D. Glutathione transferases, regulators of cellular metabolism and physiology. *Biochim Biophys Acta.* 2013;1830(5):3267-3288.
11. Bjørklund G, Dadar M, Chirumbolo S, Aaseth J. Fibromyalgia and nutrition: therapeutic possibilities? *Biomed Pharmacother.* 2018;103:531-538.
12. Calcium-D-glucarate. *Altern Med Rev.* 2002;7(4):336-339.
13. Candas D, Li JJ. MnSOD in oxidative stress response-potential regulation via mitochondrial protein influx. *Antioxid Redox Signal.* 2014;20(10):1599-1617.
14. Challier B, Perarnau JM, Viel JF. Garlic, onion and cereal fibre as protective factors for breast cancer: a French case-control study. *Eur J Epidemiol.* 1998;14(8):737-747.
15. Cho MR, Han JH, Lee HJ, Park YK, Kang MH. Purple grape juice supplementation in smokers and antioxidant status according to different types of GST polymorphisms. *J Clin Biochem Nutr.* 2015;56(1):49-56.
16. Celeda D. Clinical aspects of methylation. *Integr RDN.* 2016;18(3).

17. Chatterjee S, Chakrabarti S, Sengupta B, et al. Prevalence of CYP1A1 and GST polymorphisms in the population of northeastern India and susceptibility of oral cancer. *Oncol Res*. 2009;17(9):397-403.
18. Chlorpyrifos. National Pesticide Information Center website. <http://npic.orst.edu/factsheets/chlorpgen.html>. Updated April 2010.
19. Chung RT. Detoxification effects of phytonutrients against environmental toxicants and sharing of clinical experience on practical applications. *Environ Sci Pollut Res Int*. 2017;24(10):8946-8956.
20. Conditions & diseases. National Institute of Environmental Health Sciences website. <https://www.niehs.nih.gov/health/topics/conditions/index.cfm>. Updated April 15, 2020.
21. Dahl WJ, Stewart ML. Position of the Academy of Nutrition and Dietetics: health implications of dietary fiber. *J Acad Nutr Diet*. 2015;115(11):1861-1870.
22. Da-Costa-Rocha I, Bonnlaender B, Sievers H, Pischel I, Heinrich M. *Hibiscus sabdariffa* L. - a phytochemical and pharmacological review. *Food Chem*. 2014;165:424-443.
23. Drinking water. Tox Town website. <https://toxtown.nlm.nih.gov/sources-of-exposure/drinking-water>. Updated October 2019.
24. Fan W, Yanase T, Morinaga H, et al. Atrazine-induced aromatase expression is SF-1 dependent: implications for endocrine disruption in wildlife and reproductive cancers in humans. *Environ Health Perspect*. 2007;115(5):720-727.
25. Farsi F, Mohammadshahi M, Alavinejad P, Rezazadeh A, Zarei M, Engali KA. Functions of coenzyme Q10 supplementation on liver enzymes, markers of systemic inflammation, and adipokines in patients affected by nonalcoholic fatty liver disease: a double-blind, placebo-controlled, randomized clinical trial. *J Am Coll Nutr*. 2016;35(4):346-353.
26. Fénichel P, Chevalier N. Environmental endocrine disruptors: new diabetogens? *C R Biol*. 340, 446-452)
27. Fleischauer AT, Arab L. Garlic and cancer: a critical review of the epidemiologic literature. *J Nutr*. 2001;131(3s):1032S-1040S.
28. Frank LL. Thiamin in clinical practice. *JPEN J Parenter Enteral Nutr*. 2015;39(5):503-520.
29. Garlic. National Center for Complementary and Integrative Health website. <https://www.nccih.nih.gov/health/garlic>. Updated September 2016. Accessed September 2019.
30. Goldman SM. Environmental toxins and Parkinson's disease. *Annu Rev Pharmacol Toxicol*. 2014;54:141-164.
31. González CA, Pera G, Agudo A, et al. Fruit and vegetable intake and the risk of stomach and oesophagus adenocarcinoma in the European Prospective Investigation into Cancer and Nutrition (EPIC-EURGAST). *Int J Cancer*. 2006;118(10):2559-2566.
32. Gore A, Chappell VA, Fenton SE, et al. EDC-2: the Endocrine Society's second scientific statement on endocrine-disrupting chemicals. *Endocr Rev*. 2015;36(6):E1-E150.
33. Greenfield N. The pesticide in your crisper drawer. NRDC website. <https://www.nrdc.org/stories/pesticide-your-crisper-drawer>. Published May 2, 2017. Accessed March 2020.
34. Gropper SS, Smith JL, Carr TP. *Advanced Nutrition and Human Metabolism*. 7th ed. Belmont, CA: Cengage; 2017:67.
35. Guengerich FP. Metabolism of chemical carcinogens. *Carcinogenesis*. 2000;21(3):345-351.
36. Health hazards in nail salons. United States Department of Labor website. <https://www.osha.gov/SLTC/nailsalons/>. Updated October 2019.
37. Healthy fish guide. Washington State Department of Health website.

<https://www.doh.wa.gov/CommunityandEnvironment/Food/Fish/HealthyFishGuide>. Accessed September 2019.

38. Hills RD Jr, Pontefract BA, Mishcon HR, Black CA, Sutton SC, Theberge CR. Gut microbiome: profound implications for diet and disease. *Nutrients*. 2019;11(7):E1613.
39. Hodges RE, Minich DM. Modulation of metabolic detoxification pathways using foods and food-derived components: a scientific review with clinical application. *J Nutr Metab*. 2015;2015:760689.
40. Houghton CA, Fassett RG, Coombes JS. Sulforaphane and other nutrigenomic Nrf2 activators: can the clinician's expectation be matched by the reality? *Oxid Med Cell Longev*. 2016;2016:7857186.
41. Hu ML, Rayner CK, Wu KL, et al. Effect of ginger on gastric motility and symptoms of functional dyspepsia. *World J Gastroenterol*. 2011;17(1):105-110.
42. Houghton CA, Fassett RG, Coombes JS. Sulforaphane: translational research from laboratory bench to clinic. *Nutr Rev*. 2013;71(11):709-726.
43. IARC monograph on glyphosate. International Agency for Research on Cancer website. <https://www.iarc.fr/featured-news/media-centre-iarc-news-glyphosate/>. Accessed September 2019.
44. Jain A, Mathur P. Evaluating hazards posed by additives in food—a review of studies adopting a risk assessment approach. *Curr Res Nutr Food Sci*. 2015;3(3).
45. James D, Devaraj S, Bellur P, Lakkanna S, Vicini J, Boddupalli S. Novel concepts of broccoli sulforaphanes and disease: induction of phase II antioxidant and detoxification enzymes by enhanced-glucoraphanin broccoli. *Nutr Rev*. 2012;70(11):654-665.
46. Jensen T, Abdelmalek MF, Sullivan S, et al. Fructose and sugar: a major mediator of non-alcoholic fatty liver disease. *J Hepatol*. 2018;68(5):1063-1075.
47. Jones DS, ed. *Textbook of Functional Medicine*. Gig Harbor, WA: Institute for Functional Medicine; 2010.
48. Katerndahl DA, Bell IR, Palmer RF, Miller CS. Chemical intolerance in primary care settings: prevalence, comorbidity, and outcomes. *Ann Fam Med*. 2012;10(4):357-365.
49. Kim SK, Li YX. Medicinal benefits of sulfated polysaccharides from sea vegetables. *Adv Food Nutr Res*. 2011;64:391-402.
50. Kim YA, Park JB, Woo MS, Lee SY, Kim HY, Yoo YH. Persistent organic pollutant-mediated insulin resistance. *Int J Environ Res Public Health*. 2019;16(3):E448.
51. Koenig G, Senef S. Gamma-glutamyltransferase: a predictive biomarker of cellular antioxidant inadequacy and disease risk. *Dis Markers*. 2015;2015:818570.
52. Konsue N, Ioannides C. Modulation of carcinogen-metabolising cytochromes P450 in human liver by the chemopreventive phytochemical phenethyl isothiocyanate, a constituent of cruciferous vegetables. *Toxicology*. 2010;268(3):184-190.
53. Krebs-Smith SM, Guenther PM, Subar AF, Kirkpatrick SI, Dodd KW. Americans do not meet federal dietary recommendations. *J Nutr*. 2010;140(10):1832-1838.
54. Lamb JJ, Konda VR, Quig DW, et al. A program consisting of phytonutrient-rich medical food and an elimination diet ameliorated fibromyalgia symptoms and promoted toxic-element detoxification in a pilot trial. *Altern Ther Health Med*. 2011;17(2):36-44.
55. Johns LE, Ferguson KK, Meeker JD. Relationships between urinary phthalate metabolite and bisphenol A concentrations and vitamin D levels in U.S. adults: National Health and Nutrition Examination Survey (NHANES), 2005-2010. *J Clin Endocrinol Metab*. 2016;101(11):4062-4069.
56. Lee DH, Jacobs DR Jr. Serum gamma-glutamyltransferase: new insights about an old enzyme. *J Epidemiol Community Health*. 2009;63(11):884-886.

57. Lee SJ, Nam B, Harrison R, Hong O. Acute symptoms associated with chemical exposures and safe work practices among hospital and campus cleaning workers: a pilot study. *Am J Ind Med*. 2014;57(11):1216-1226.
58. Maji AK, Banerji P. Phytochemistry and gastrointestinal benefits of the medicinal spice, *Capsicum annum* L. (Chilli): a review. *J Complement Integr Med*. 2016;13(2):97-122.
59. Mazokopakis EE, Papadomanolaki M, Foustiris AA, Kotsiris DA, Lampadakis IM, Ganotakis ES. The hepatoprotective and hypolipidemic effects of *Spirulina (Arthrospira platensis)* supplementation in a Cretan population with non-alcoholic fatty liver disease: a prospective pilot study. *Ann Gastroenterol*. 2014;27(4):387-394.
60. Mech AW, Farah A. Correlation of clinical response with homocysteine reduction during therapy with reduced B vitamins in patients with MDD who are positive for MTHFR C677T or A1298C polymorphism: a randomized, double-blind, placebo-controlled study. *J Clin Psychiatry*. 2016;77(5):668-671.
61. Medications. MyTavin website. <https://mytavin.com/>. Accessed March 2020.
62. Metagenetics. Case study: UltraClear PLUS® Medical Food for Nutritional Support of Detoxification in a Patient with Fibromyalgia. Metagenetics, Inc; 002FM703.
63. Mima M, Greenwald D, Ohlander S. Environmental toxins and male fertility. *Curr Urol Rep*. 2018;19(7):50.
64. Minich DM, Brown BI. A review of dietary (phyto)nutrients for glutathione support. *Nutrients*. 2019;11(9):E2073.
65. MTHFR gene. Genetics Home Reference website. <https://ghr.nlm.nih.gov/gene/MTHFR>. Updated April 28, 2020.
66. Muriel P, ed. *Liver Pathophysiology: Therapies & Antioxidants*. Cambridge, MA: Academic Press; 2017.
67. Netler TG, Alger HM, Leonard JE, Maffini MV. Data gaps in toxicity testing of chemicals allowed in food in the United States. *Reprod Toxicol*. 2013;42: 85-94.
68. Nichols RG, Peters JM, Patterson AD. Interplay between the host, the human microbiome, and drug metabolism. *Hum Genomics*. 2019;13(1):27.
69. Noland D, Raj S. Academy of Nutrition and Dietetics: revised 2019 standards of practice and standards of professional performance for registered dietitian nutritionists (competent, proficient, and expert) in nutrition in integrative and functional medicine. *J Acad Nutr Diet*. 2019;119(6):1019-1036.e47.
70. Obesogens. National Institute of Environmental Health Sciences website. <https://www.niehs.nih.gov/health/topics/conditions/obesity/obesogens/index.cfm>. Updated December 28, 2018. Accessed March 2020.
71. Peterson S, Schwarz Y, Li SS, et al. CYP1A2, GSTM1, and GSTT1 polymorphisms and diet effects on CYP1A2 activity in a crossover feeding trial. *Cancer Epidemiol Biomarkers Prev*. 2009;18(11):3118-3125.
72. Palmery M, Saraceno A, Vaiarelli A, Carlomagno G. Oral contraceptives and changes in nutritional requirements. *Eur Rev Med Pharmacol Sci*. 2013;17(13):1804-1813.
73. Persistent organic pollutants. Tox Town website. <https://toxtown.nlm.nih.gov/chemicals-and-contaminants/persistent-organic-pollutants-pops>. Updated October 2019.
74. Pizzorno J. Is the diabetes epidemic primarily due to toxins? *Integr Med (Encinitas)*. 2016;15(4):8-17.
75. Pizzorno J. Environmental toxins and infertility. *Integr Med (Encinitas)*. 2018;17(2):8-11.
76. Pollard KM, Hultman P, Kono DH. Toxicology of autoimmune diseases. *Chem Res Toxicol*.

- 2010;23(3):455-466.
77. Prachayasittikul V, Prachayasittikul S, Ruchirawat S, Prachayasittikul V. Coriander (*Coriandrum sativum*): a promising functional food toward the well-being. *Food Res Int*. 2018;105:305-323.
 78. Prüss-Ustün A, Vickers C, Haefliger P, Bertollini R. Knowns and unknowns on burden of disease due to chemicals: a systematic review. *Environ Health*. 2011;10:9.
 79. Quach T, Von Behren J, Goldberg D, Layefsky M, Reynolds P. Adverse birth outcomes and maternal complications in licensed cosmetologists and manicurists in California. *Int Arch Occup Environ Health*. 2015;88(7):823-833.
 80. Raffenberger C, Tickner J, eds. **Protecting Public Health and the Environment: Implementing the Precautionary Principle**. Washington, D.C.: Island Press; 1999.
 81. Rice KM, Walker EM Jr, Wu M, Gillette C, Blough ER. Environmental mercury and its toxic effects. *J Prev Med Public Health*. 2014;47(2):74-83.
 82. Ross MK, Matthews AT, Mangum LC. Chemical atherogenesis: role of endogenous and exogenous poisons in disease development. *Toxics*. 2014;2(1):17-34.
 83. Rossi S, Pitidis A. Multiple chemical sensitivity: review of the state of the art in epidemiology, diagnosis, and future perspectives. *J Occup Environ Med*. 2018;60(2):138-146.
 84. Ruiz-Ojeda F, Plaza-Díaz J, Sáez-Lara MJ, Gil A. Effects of sweeteners on the gut microbiota: a review of experimental studies and clinical trials. *Adv Nutr*. 2019;10(Suppl 1):S31-S48
 85. Sajid M, Ilyas M. PTFE-coated non-stick cookware and toxicity concerns: a perspective. *Environ Sci Pollut Res*. 2017;24(30):23436-23440.
 86. Samsel A, Seneff S. Glyphosate's suppression of cytochrome P450 enzymes and amino acid biosynthesis by the gut microbiome: pathways to modern diseases. *Entropy*. 2013;15(4):1416-1463.
 87. Schmitt B, Vicenzi M, Garrel C, Denis FM. Effects of N-acetylcysteine, oral glutathione (GSH) and a novel sublingual form of GSH on oxidative stress markers: a comparative crossover study. *Redox Biol*. 2015;6:198-205.
 88. Serdar B, LeBlanc WG, Norris KJ, Dickinson LM. Potential effects of polychlorinated biphenyls (PCBs) and selected organochlorine pesticides (OCPs) on immune cells and blood biochemistry measures: a cross-sectional assessment of the NHANES 2003-2004 data. *Environ Health*. 2014;13:114.
 89. Schulte PA, Pandalai S, Wulsin V, Chun H. Interaction of occupational and personal risk factors in workforce health and safety. *Am J Public Health*. 2012;102(3):434-448.
 90. Sears ME, Kerr KJ, Bray RI. Arsenic, cadmium, lead, and mercury in sweat: a systematic review. *J Environ Public Health*. 2012;2012:184745.
 91. Singh RK, Chang H, Yan D, et al. Influence of diet on the gut microbiome and implications for human health. *J Transl Med*. 2017;15(1):73.
 92. Softic S, Cohen DE, Kahn CR. Role of dietary fructose and hepatic de novo lipogenesis in fatty liver disease. *Dig Dis Sci*. 2016;61(5):1282-1293.
 93. Starkey J. The truth about dry brushing and what it does for you. Cleveland Clinic website. <https://health.clevelandclinic.org/the-truth-about-dry-brushing-and-what-it-does-for-you/>. Published January 26, 2015. Accessed September 2019.
 94. Tan BL, Norhaizan ME, Liew WP. Nutrients and oxidative stress: friend or foe? *Oxid Med Cell Longev*. 2018;2018:9719584.
 95. Trasande L, Shaffer RM, Sathynarayana S; Council on Environmental Health. Food additives and child health. *Pediatrics*. 2018;142(2):e20181408.

96. Uribarri J, Woodruff S, Goodman S, et al. Advanced glycation end products in foods and a practical guide to their reduction in the diet. *J Am Diet Assoc.* 2010;110(6):911-916.e12.
97. U.S. Department of Veterans Affairs. Whole health: information for veterans: toxins and environmental inflammation. <https://www.va.gov/WHOLEHEALTH/veteran-handouts/docs/ToxinsEnvironInflam-508Final-12-14-17.pdf>. Published May 25, 2017.
98. Valussi M. Functional foods with digestion-enhancing properties. *Int J Food Sci Nutr.* 2012;63 Suppl 1:82-89.
99. Verstraete SG, Wojcicki JM, Perito ER, Rosenthal P. Bisphenol A increases risk for presumed non-alcoholic fatty liver disease in Hispanic adolescents in NHANES 2003-2010. *Environ Health.* 2018;17(1):12.
100. Vojdani A, Pollard KM, Campbell AW. Environmental triggers and autoimmunity. *Autoimmune Dis.* 2014;2014:798029.
101. Weisberg I, Tran P, Christensen B, Sibani S, Rozen R. A second genetic polymorphism in methylenetetrahydrofolate reductase (MTHFR) associated with decreased enzyme activity. *Mol Genet Metab.* 1998 Jul;64(3):169-72.
102. Welsh JA, Braun H, Brown N, et al. Production-related contaminants (pesticides, antibiotics and hormones) in organic and conventionally produced milk samples sold in the USA. *Public Health Nutr.* 2019;22(16):2972-2980.
103. Yuan GF, Sun B, Yuan J, Wang QM. Effects of different cooking methods on health-promoting compounds of broccoli. *J Zhejiang Univ Sci B.* 2009;10(8):580-588.