

Naked Food Magazine | Issue 31
References, Citations and Sources

The Benefits of a Plant-Based Diet and Parkinson's Disease

1. Dorsey ER, Bloem BR. (2018) The Parkinson Pandemic-A Call to Action. *JAMA Neurol.* 75(1):9-10.
2. Hamilton J, The Michael J. Fox Foundation for Parkinson's Research, Yang W, The Lewin Group, et al. (2019) *The Economic Burden of Parkinson's Disease*. Vol Silver Book. Washington DC: Alliance for Aging Research.
3. "Preventing and Treating of Parkinson's Disease with a Plant-Based Diet." *Plant-Based Diets in Medicine - The Prevention and Treatment of Disease with a Plant-Based Diet*, 31 Mar. 2022, <https://pbdmedicine.org/preventing-and-treating-of-parkinsons-disease-with-a-plant-based-diet/>.
4. Mattson M. (2014) Interventions that improve body and brain bioenergetics for Parkinson's disease risk reduction and therapy. *J Parkinsons Dis.* 4:1-13.
5. Mischley L, Lau R, Bennett R. (2017) Role of diet and nutritional supplements in Parkinson's disease progression. *Oxid Med Cell Longev.* 2017:6405278.
6. Anderson C, Checkoway H, Franklin G, Beresford S, Smith-Weller T, et al. (1999) Dietary factors in Parkinson's disease: the role of food groups and specific foods. *Mov Disord.* 14:21-27.
7. McCarty MF. (2001) Does a vegan diet reduce risk for Parkinson's disease? *Medical Hypotheses.* 57(3):318-323.
8. Logroscino G, Marder K, Cote L, Tang M, Shea S, et al. (1996) Dietary lipids and antioxidants in Parkinson's disease: a population-based, case-control study. *Ann Neurol.* 39(1):89-94.
9. de Lau L, Bornebroek M, Witteman J, Hofman A, Koudstaal P, et al. (2005) Dietary fatty acids and the risk of Parkinson disease: the Rotterdam study. *Neurology.* 64(12):2040-2045.
10. Hellenbrand W, Seidler A, Boeing H, Robra B, Vieregge P, et al. (1996) Diet and Parkinson's disease. I: A possible role for the past intake of specific foods and food groups. Results from a self-administered food-frequency questionnaire in a case-control study. *Neurology.* 47(3):636-643.
11. Chen H, Zhang S, Hernán M, Willett W, Ascherio A. (2002) Diet and Parkinson's disease: a potential role of dairy products in men. *Ann Neurol.* 52(6):793-801.
12. Park M, Ross GW, Petrovitch H, White L, Masaki K, et al. (2005) Consumption of milk and calcium in midlife and the future risk of Parkinson disease. *Neurology.* 64:1047-1051.
13. Kyrozi A, Ghika A, Stathopoulos P, Vassilopoulos D, Trichopoulos D, et al. (2013) Dietary and lifestyle variables in relation to incidence of Parkinson's disease in Greece. *Eur J Epidemiol.* 28(1):67-77.
14. Chen H, O'Reilly E, McCullough M, Rodriguez C, Schwarzschild M et al. (2007) Consumption of dairy products and risk of Parkinson's disease. *Am J Epidemiol.* 165(9):998-1006.
15. Aviles-Olmos I, Limousin P, Lees A, Foltyn T. (2013) Parkinson's disease, insulin resistance and novel agents of neuroprotection. *Brain.* 136(2):374-384.

16. Hu G, Jousilahti P, Nissinen A, Antikainen R, Kivipelto M, et al. (2006) Body mass index and the risk of Parkinson disease. *Neurology*. 67:1955-1959.
17. Schernhammer E, Hansen J, Rugbjerg K, Wermuth L, Ritz B. (2011) Diabetes and the risk of developing Parkinson's disease in Denmark. *Diabetes Care*;34:1102-1108.
18. Boscoa D, Plastino M, Cristiano D, Colica C, Ermio C, et al. (2012) Dementia is associated with insulin resistance in patients with Parkinson's disease. *J Neurol Sci*. 315(1-2):39-43.
19. Kouli A, Torsney K, Kuan W. (2018) Parkinson's disease: etiology, neuropathology, and pathogenesis. In: Stoker T, Greenland J, eds. *Parkinson's disease: pathogenesis and clinical aspects [internet]*. Brisbane, Australia: Codon Publications.
20. Ascherio A, Chen H, Weisskopf MG, O'Reilly E, McCullough M, et al. (2006) Pesticide exposure and risk for Parkinson's disease. *Ann Neurol*. 60:197-203.
21. Frigerio R, Elbaz A, Sanft KR, Peterson B, Bower J, et al. (2005) Education and occupations preceding Parkinson disease: a population-based case-control study. *Neurology*. 65:1575-1583.
22. Priyadarshi A, Khuder S, Schaub E, Shrivastava S. (2000) A meta-analysis of Parkinson's disease and exposure to pesticides. *Neurotoxicology*. 21:435-440.
23. Hancock DB, Martin ER, Mayhew GM, Stajich J, Jewett R, et al. (2008) Pesticide exposure and risk of Parkinson's disease: a family-based case-control study. *BMC Neurology*. 8:6.
24. Kanthasamy AG, Kitazawa M, Kanthasamy A, Anantharam V. (2005) Dieldrin-induced neurotoxicity: relevance to Parkinson's disease pathogenesis. *Neurotoxicology*. 26(4):701-719.
25. Kanthasamy AG, Kitazawa M, Kanthasamy A, Anantharam V. (2005) Dieldrin-induced neurotoxicity: relevance to Parkinson's disease pathogenesis. *Neurotoxicology*. 26(4):701-719.
26. Tanner CM, Kamel F, Ross GW, Hoppin J, Goldman S, et al. (2011) Rotenone, paraquat and Parkinson's disease. *Environ Health Perspect*. 119(6):866-72.
27. Stykel MG, Humphries K, Kirby MP, Czaniecki C, Wang T, et al. (2018) Nitration of microtubules blocks axonal mitochondrial transport in a human pluripotent stem cell model of Parkinson's disease. *The FASEB Journal*. 32(10):5354.
28. Chinta SJ, Andersen JK. Dopaminergic neurons. *Int J Biochem Cell Biol*. 2005;37(5):942-946. doi:10.1016/j.biocel.2004.09.009
29. Schapira AH, Jenner P. (2011) Etiology and pathogenesis of Parkinson's disease. *Mov Disord*. 26(6):1049-1055.
30. Zhu J, Chu C. (2010) Mitochondrial dysfunction in Parkinson's disease. *J Alzheimers Dis*. 20(Suppl 2):S325-S334.
31. Parker WD, Parks JK, Swerdlow RH. (2008) Complex I deficiency in Parkinson's disease frontal cortex. *Brain Res*. 16:215-218.
32. Jenner P, Olanow CW. (2006) The pathogenesis of cell death in Parkinson's disease. *Neurol*. 66(10 suppl 4):S24-S36.
33. Beal MF. (2005) Mitochondria take center stage in aging and neurodegeneration. *Ann Neurol*. 58(4):495-505.

34. Roy Sarkar S, Banerjee S. (2019) Gut microbiota in neurodegenerative disorders. *J Neuroimmunol.* 328:98–104.
35. Braak H, Sandmann-Keil D, Gai W, Braak E. (1999) Extensive axonal Lewy neurites in Parkinson's disease: a novel pathological feature revealed by alpha-synuclein immunocytochemistry. *Neurosci Lett.* 265(1):67-69.
36. Gibb WR, Lees AJ. (1989) The significance of the Lewy body in the diagnosis of idiopathic Parkinson's disease. *Neuropathol Appl Neurobiol.* 15(1):27-44.
37. Yang D, Zhao D, Ali Shah S, Wu W, Lai M, et al. (2019) The role of the gut microbiota in the pathogenesis of Parkinson's disease. *Front Neurol.* 10:1155.
38. "Preventing and Treating of Parkinson's Disease with a Plant-Based Diet." *Plant-Based Diets in Medicine - The Prevention and Treatment of Disease with a Plant-Based Diet*, 31 Mar. 2022, <https://pbdmedicine.org/preventing-and-treating-of-parkinsons-disease-with-a-plant-based-diet/>.
39. "L-DOPA." *L-DOPA - an Overview | ScienceDirect Topics*, <https://www.sciencedirect.com/topics/neuroscience/l-dopa>.
40. Healthy eating and reduced risk of cognitive decline, A cohort from 40 countries. Andrew Smyth, Mahshid Dehghan, Martin O'Donnell, Craig Anderson, Koon Teo, Peggy Gao, Peter Sleight, Gilles Dagenais, Jeffrey L. Probstfield, Andrew Mente, Salim Yusuf; *Neurology* Jun 2015, 84(22)2258-2265
41. Tan EK, Tan C, Fook-Chong S, Lum S, Chai A, et al. (2003) Dose-dependent protective effect of coffee, tea, and smoking in Parkinson's disease: A study in ethnic Chinese. *J Neurol Sci.* 216(1):163–167.
42. Fahn S. The history of dopamine and levodopa in the treatment of Parkinson's disease. *Mov Disord.* 2008;23 Suppl 3:S497-S508. doi:10.1002/mds.22028
43. Spencer JPE. (2008) Flavonoids: modulators of brain function? *Br J Nutr.* 99(E-S1):ES60–ES77.
44. Manach C, Scalbert A, Morand C, Remesy C, Jimenez L. (2004) Polyphenols: food sources and bioavailability. *Am J Clin Nutr.* 79(5):727–747.
45. Waterhouse AL, Shirley JR, Donovan JL. (1996) Antioxidants in chocolate. *Lancet.* 348(9030):834.
46. Spencer JPE. (2008) Flavonoids: modulators of brain function? *Br J Nutr.* 99(E-S1):ES60–ES77.
47. Ramassamy C. (2006) Emerging role of polyphenolic compounds in the treatment of neurodegenerative diseases: a review of their intracellular targets. *Eur J Pharmacol.* 545(1):51–64.
48. Meng X, Munishkina L, Fink A, Uversky V. (2009) Molecular mechanisms underlying the flavonoid-induced inhibition of alpha-synuclein fibrillation. *Biochemistry.* 48(34):8206-8224.
49. Bendor JT, Logan TP, Edwards RH. The function of α -synuclein. *Neuron.* 2013;79(6):1044-1066. doi:10.1016/j.neuron.2013.09.004
50. Lehrer S, Rheinstein PH. α -synuclein enfold tyrosine hydroxylase and dopamine β -hydroxylase, potentially reducing dopamine and norepinephrine synthesis. *J Proteins Proteom.* 2022;13(2):109-115. doi:10.1007/s42485-022-00088-z
51. Tan LY, Yeo XY, Bae HG, et al. Association of Gut Microbiome Dysbiosis with Neurodegeneration: Can Gut Microbe-Modifying Diet Prevent or Alleviate the Symptoms of Neurodegenerative Diseases?. *Life*

(Basel). 2021;11(7):698. Published 2021 Jul 15. doi:10.3390/life11070698

52. Park, Alice. "Drinking Milk Is Linked to Parkinson's Disease: Study." *Time*, Time, 9 Dec. 2015, <https://time.com/4143358/milk-parkinsons-disease-pesticides/>.

The Protein Fraud Continues

1. "Emerging Space: Insect-Based Foods." *PitchBook*, <https://pitchbook.com/blog/emerging-space-insect-based-foods>.
2. News, GB. "'There's Been Blanket Media Coverage about It, Celebrities Have Been Pushing It, Then Couple That with the Government Overreach against Farmers... You Can See There Is a Sinister Agenda Going On.'leilani Dowding on the Push to Normalise Eating Bugs in the West. Pic.twitter.com/y34YFKDPXV." *Twitter*, Twitter, 28 July 2022,
3. "The Latest Buzz: Eating Insects Can Help Tackle Food Insecurity, Says FAO | | 1UN News." *United Nations*, United Nations, <https://news.un.org/en/story/2013/05/439432>.
4. Worstall, Tim. "The United Nations Says We Should All Be Eating Insects." *Forbes*, Forbes Magazine, 14 May 2013, <https://www.forbes.com/sites/timworstall/2013/05/14/the-united-nations-says-we-should-all-be-eating-insects/>.
5. "World Economic Forum and UN Sign Strategic Partnership Framework." *World Economic Forum*, <https://www.weforum.org/press/2019/06/world-economic-forum-and-un-sign-strategic-partnership-framework>.
6. "Good Grub: Why We Might Be Eating Insects Soon." *World Economic Forum*, <https://www.weforum.org/agenda/2018/07/good-grub-why-we-might-be-eating-insects-soon/>.
7. "Maggots on the Menu: The Pet Foods Using Insect Protein to Help the Planet." *World Economic Forum*, <https://www.weforum.org/agenda/2020/12/pet-food-insect-protein-sustainable>.
8. "Why We Need to Give Insects the Role They Deserve in Our Food Systems." *World Economic Forum*, <https://www.weforum.org/agenda/2021/07/why-we-need-to-give-insects-the-role-they-deserve-in-our-food-systems/>.
9. "Insect Farming – Growing Bugs for Protein." *Insect Gourmet - Your Guide to Edible Insects*, 13 June 2022, <https://www.insectgourmet.com/insect-farming-growing-bugs-for-protein/>.
10. Gałęcki, Remigiusz, and Rajmund Sokół. "A Parasitological Evaluation of Edible Insects and Their Role in the Transmission of Parasitic Diseases to Humans and Animals." *PloS One*, Public Library of Science, 8 July 2019, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6613697>.
11. E. S. Committee. 2015. "Risk Profile Related to Production and Consumption of Insects as Food and Feed." *EFSA J* 13(10):4257.
12. Rumpold, BA and OK Schluter. 2013. "Nutritional Composition and Safety Aspects of Edible Insects." *Mol Nutr Food Res* 57(5):802–823.
13. Klunder, HC, et al. 2012. "Microbiological Aspects of Processing and Storage of Edible Insects." *Food Contr* 26(2):628–631.

14. Jeffery IA, Karim S. Botulism. [Updated 2022 Jul 18]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK459273/>
15. Vijver, M, et al. 2003. "Metal Uptake from Soils and Soil–Sediment Mixtures by Larvae of *Tenebrio molitor* (L.) (Coleoptera)." *Ecotoxicol Environ Safe* 54:277–289.
16. Vijver, M, et al. 2003. "Metal Uptake from Soils and Soil–Sediment Mixtures by Larvae of *Tenebrio molitor* (L.) (Coleoptera)." *Ecotoxicol Environ Safe* 54:277–289.
17. Musundire, R, et al. 2016. "Aflatoxin Contamination Detected in Nutrient and Anti-Oxidant Rich Edible Stink Bug Stored in Recycled Grain Containers." *PLoS One* 11(1):1–16.
18. Mpuchane, S, et al. 2000. "Quality Deterioration of Phane, the Edible Caterpillar of an Emperor Moth *Imbrasia belina*." *Food Contr* 11(6):453–458.
19. "Lovebug™: Discover Insect-Based Cat Food." *Lovebug Pet Food*, <https://www.lovebugpetfood.com/>.
20. Gasbarre, Krissy. "Insects Are the Trendy New Ingredient in This Type of Food, Experts Say." *Eat This Not That*, 28 May 2021, <https://www.eatthis.com/news-insect-pet-food/>.
21. "What Is Insect-Based Pet Food?" *PetMD*, <https://www.petmd.com/dog/nutrition/what-insect-based-pet-food>.
22. "Health | Arsenic and Insects in Supplements." *BBC News*, BBC, 19 Jan. 1999, <http://news.bbc.co.uk/2/hi/health/258180.stm>.
23. ¹ Foods, Cricket. "The Ideal Ingredients - Cricket Foods." *Products*, 26 Dec. 1970, <https://www.cricketfoods.com/products.html>.
24. "Our Products - Chapul Cricket Protein." *Chapul Cricket Protein*, <https://chapul.com/pages/our-products>.
25. John N. Kinyuru Ph.D., RNutr, and Jeremiah Ng'ang'a. "The Use of Insects as Food Ingredients." *Food Safety RSS*, Food Safety, 20 Aug. 2019, <https://www.food-safety.com/articles/6317-the-use-of-insects-as-food-ingredients>.
26. "Maggots on the Menu: The Pet Foods Using Insect Protein to Help the Planet." *World Economic Forum*, <https://www.weforum.org/agenda/2020/12/pet-food-insect-protein-sustainable>.

Impossible and Unhealthy

1. Impossible Foods, Inc. GRAS notification for soy leghemoglobin protein preparation derived from *Pichia pastoris*: GRAS Notice (GRN) No. 737. October 2017. <https://www.fda.gov/media/124351/download>.
2. Impossible Foods, Inc. GRAS notification for soy leghemoglobin protein preparation derived from *Pichia pastoris*: GRAS Notice (GRN) No. 737. October 2017. <https://www.fda.gov/media/124351/download>.
3. Impossible Foods, Inc. GRAS notification for soy leghemoglobin protein preparation derived from *Pichia pastoris*: GRAS Notice (GRN) No. 737. October 2017. <https://www.fda.gov/media/124351/download>.

4. Impossible Foods, Inc. GRAS notification for soy leghemoglobin protein preparation derived from *Pichia pastoris*: GRAS Notice (GRN) No. 737. October 2017.
<https://www.fda.gov/media/124351/download>.
5. Center for Food Safety https://www.centerforfoodsafety.org/files/2021-01-28--ecf-45-cfs-combined-reply-brief_82674.pdf
6. Morgan Lewis & Bockius LLP. Response to FDA Questions – GRAS Notice 540 soybean leghemoglobin – Impossible Foods, Inc. May 2015.
7. Morgan Lewis & Bockius LLP. Response to FDA Questions – GRAS Notice 540 soybean leghemoglobin – Impossible Foods, Inc. May 2015.
8. *Morphological Changes of the Liver, Kidneys, and Adrenal Glands of...*
https://d3n8a8pro7vnm.cloudfront.net/yesmaam/pages/680/attachments/original/1488425137/Kulik_Y_MORPHOLOGICAL_CHANGES_OF_LIVER_Translation2.26.17.pdf?1488425137.
9. *Compositional Differences in Soybeans on the Market: Glyphosate ...*
[https://d3n8a8pro7vnm.cloudfront.net/yesmaam/pages/680/attachments/original/1393210381/Compositional_differences_in_soybeans_on_the_market-glyphosate_accumulates_in_Roundup_Ready_GM_soybeans_\(1\).pdf?1393210381](https://d3n8a8pro7vnm.cloudfront.net/yesmaam/pages/680/attachments/original/1393210381/Compositional_differences_in_soybeans_on_the_market-glyphosate_accumulates_in_Roundup_Ready_GM_soybeans_(1).pdf?1393210381).
10. Goldberg, Max. “Impossible Foods Is ‘Misleading Consumers’ about Its GMO-Protein, FDA Rejects Claim It Is Safe for Consumption.” *Livingmaxwell*, 16 Apr. 2022,
<https://livingmaxwell.com/impossible-foods-burger-misleading-consumers-fda-rejects-claim-that-it-is-safe-for-consumption>.
11. Thomas, Pat. “FDA: Fake Meat Gmo Burger May Not Be Safe to Eat.” *Beyond GM*, 20 June 2018,
<https://beyond-gm.org/fda-fake-meat-gmo-burger-may-not-be-safe-to-eat/>.
12. Goldberg, Max. “Impossible Foods Is ‘Misleading Consumers’ about Its GMO-Protein, FDA Rejects Claim It Is Safe for Consumption.” *Livingmaxwell*, 16 Apr. 2022,
<https://livingmaxwell.com/impossible-foods-burger-misleading-consumers-fda-rejects-claim-that-it-is-safe-for-consumption>.
13. Brodwin E. The inside story of how the Silicon Valley burger startup Impossible Foods is going global after its sizzling Burger King debut. *Business Insider*. <https://www.businessinsider.com/impossible-burger-national-launch-gmo-soy-burger-king-2019-5?r=US&IR=T>. Published May 16, 2019. Accessed June 10, 2019.
14. Watson E. Impossible Foods replaces wheat with soy protein concentrate in its plant-based burger; says color additive petition won’t delay retail launch. *Food Navigator USA*.
<https://www.foodnavigator-usa.com/Article/2019/01/08/Impossible-Foods-replaces-wheat-with-soy-protein-concentrate-in-its-plant-based-Impossible-burger>. Published January 8, 2019. Accessed June 10, 2019.
15. International Agency for Research on Cancer. IARC Monographs Volume 112: Evaluation of Five Organophosphate Insecticides and Herbicides. Lyon, France: World Health Organization; 2015.
<https://monographs.iarc.fr/iarc-monographs-on-the-evaluation-of-carcinogenic-risks-to-humans-4/>.
16. Monsanto Roundup Cancer Verdict, *New York Times*
<https://www.nytimes.com/2019/05/13/business/monsanto-roundup-cancer-verdict.html>
17. Certificate of Analysis
<https://d3n8a8pro7vnm.cloudfront.net/yesmaam/pages/8069/attachments/original/155795833>

9/COA_S0004900_Impossible_Burger_and_Beyond_Meat_patty_-_glyphosate.pdf?1557958339

18. Mesnage, R., Arno, M., Costanzo, M. *et al.* Transcriptome profile analysis reflects rat liver and kidney damage following chronic ultra-low dose Roundup exposure. *Environ Health* **14**, 70 (2015). <https://doi.org/10.1186/s12940-015-0056-1>
19. Séralini, GE., Clair, E., Mesnage, R. *et al.* Republished study: long-term toxicity of a Roundup herbicide and a Roundup-tolerant genetically modified maize. *Environ Sci Eur* **26**, 14 (2014). <https://doi.org/10.1186/s12302-014-0014-5>
20. Sustainable Pulse. "Who Declares That Glyphosate Herbicides Probably Cause Cancer." *Sustainable Pulse*, 9 Apr. 2015, <https://sustainablepulse.com/2015/03/21/who-declares-that-glyphosate-herbicides-probably-cause-cancer/#.YzsTQ-xBzOQ>.
21. *Toxicology*. [https://d3n8a8pro7vhm.cloudfront.net/yesmaam/pages/680/attachments/original/1431795616/GLYPHOSATE_neurotoxicity_induced_by_glyphosate-based_herbicide_in_immature_rat_hippocampus_\(1\).pdf?1431795616](https://d3n8a8pro7vhm.cloudfront.net/yesmaam/pages/680/attachments/original/1431795616/GLYPHOSATE_neurotoxicity_induced_by_glyphosate-based_herbicide_in_immature_rat_hippocampus_(1).pdf?1431795616).
22. *Perinatal Exposure to a Glyphosate-Based Herbicide Impairs Female ...* https://d3n8a8pro7vhm.cloudfront.net/yesmaam/pages/680/attachments/original/1532460188/Milesi_glyphosate_reproduction_rats_2018.pdf?1532460188.
23. *In Vitro Evaluation of Genomic Damage Induced by Glyphosate on Human ...* https://d3n8a8pro7vhm.cloudfront.net/yesmaam/pages/680/attachments/original/1543281929/Santovito_et_al._2018_In_vitro_evaluation_of_genomic_damage_induced_by_glyphosate_in_human_lymphocytes.pdf?1543281929.
24. Mesnage, R., Renney, G., Séralini, GE. *et al.* Multiomics reveal non-alcoholic fatty liver disease in rats following chronic exposure to an ultra-low dose of Roundup herbicide. *Sci Rep* **7**, 39328 (2017). <https://doi.org/10.1038/srep39328>
25. Kobylewski S, Jacobson MF. Toxicology of food dyes. *Int J Occup Environ Health*. 2012;18(3):220-246. doi:10.1179/1077352512Z.00000000034
26. Kobylewski S, Jacobson MF. Toxicology of food dyes. *Int J Occup Environ Health*. 2012;18(3):220-246. doi:10.1179/1077352512Z.00000000034

Intermittent Fasting 101

1. Wilhelmi de Toledo F, Grundler F, Sirtori CR, Ruscica M. Unravelling the health effects of fasting: a long road from obesity treatment to healthy life span increase and improved cognition. *Ann Med*. 2020;52(5):147-161. doi:10.1080/07853890.2020.1770849
2. Gudden J, Arias Vasquez A, Bloemendaal M. The Effects of Intermittent Fasting on Brain and Cognitive Function. *Nutrients*. 2021;13(9):3166. Published 2021 Sep 10. doi:10.3390/nu13093166
3. Varady KA, Cienfuegos S, Ezpeleta M, Gabel K. Cardiometabolic Benefits of Intermittent Fasting. *Annu Rev Nutr*. 2021;41:333-361. doi:10.1146/annurev-nutr-052020-041327
4. Albosta M, Bakke J. Intermittent fasting: is there a role in the treatment of diabetes? A review of the literature and guide for primary care physicians. *Clin Diabetes Endocrinol*. 2021;7(1):3. Published 2021 Feb 3. doi:10.1186/s40842-020-00116-1

5. Barnosky, Adrienne R., et al. "Intermittent Fasting vs Daily Calorie Restriction for Type 2 Diabetes Prevention: A Review of Human Findings." *Translational Research*, Mosby, 12 June 2014, <https://www.sciencedirect.com/science/article/abs/pii/S193152441400200X>.
6. Ho KY, Veldhuis JD, Johnson ML, Furlanetto R, Evans WS, Alberti KG, Thorner MO. Fasting enhances growth hormone secretion and amplifies the complex rhythms of growth hormone secretion in man. *J Clin Invest*. 1988 Apr;81(4):968-75. doi: 10.1172/JCI113450. PMID: 3127426; PMCID: PMC329619.
7. Hartman ML, Veldhuis JD, Johnson ML, et al. Augmented growth hormone (GH) secretory burst frequency and amplitude mediate enhanced GH secretion during a two-day fast in normal men. *J Clin Endocrinol Metab*. 1992;74(4):757-765. doi:10.1210/jcem.74.4.1548337
8. Blackman MR, Sorkin JD, Münzer T, et al. Growth hormone and sex steroid administration in healthy aged women and men: a randomized controlled trial. *JAMA*. 2002;288(18):2282-2292. doi:10.1001/jama.288.18.2282
9. Rudman D, Feller AG, Nagraj HS, et al. Effects of human growth hormone in men over 60 years old. *N Engl J Med*. 1990;323(1):1-6. doi:10.1056/NEJM199007053230101
10. Bagherniya M, Butler AE, Barreto GE, Sahebkar A. The effect of fasting or calorie restriction on autophagy induction: A review of the literature. *Ageing Res Rev*. 2018;47:183-197. doi:10.1016/j.arr.2018.08.004
11. Chung KW, Chung HY. The Effects of Calorie Restriction on Autophagy: Role on Aging Intervention. *Nutrients*. 2019 Dec 2;11(12):2923. doi: 10.3390/nu11122923. PMID: 31810345; PMCID: PMC6950580.
12. Lilja S, Stoll C, Krammer U, Hippe B, Duszka K, Debebe T, Höfinger I, König J, Pointner A, Haslberger A. Five Days Periodic Fasting Elevates Levels of Longevity Related *Christensenella* and Sirtuin Expression in Humans. *Int J Mol Sci*. 2021 Feb 26;22(5):2331. doi: 10.3390/ijms22052331. PMID: 33652686; PMCID: PMC7956384.
13. Wegman MP, Guo MH, Bennion DM, et al. Practicality of intermittent fasting in humans and its effect on oxidative stress and genes related to aging and metabolism. *Rejuvenation Res*. 2015;18(2):162-172. doi:10.1089/rej.2014.1624
14. Wang X, Yang Q, Liao Q, et al. Effects of intermittent fasting diets on plasma concentrations of inflammatory biomarkers: A systematic review and meta-analysis of randomized controlled trials. *Nutrition*. 2020;79-80:110974. doi:10.1016/j.nut.2020.110974
15. Yang F, Liu C, Liu X, et al. Effect of Epidemic Intermittent Fasting on Cardiometabolic Risk Factors: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Front Nutr*. 2021;8:669325. Published 2021 Oct 18. doi:10.3389/fnut.2021.669325
16. Seidler K, Barrow M. Intermittent fasting and cognitive performance - Targeting BDNF as potential strategy to optimise brain health. *Front Neuroendocrinol*. 2022;65:100971. doi:10.1016/j.yfrne.2021.100971
17. Clifton KK, Ma CX, Fontana L, Peterson LL. Intermittent fasting in the prevention and treatment of cancer. *CA Cancer J Clin*. 2021;71(6):527-546. doi:10.3322/caac.21694
18. Zhang J, Deng Y, Khoo BL. Fasting to enhance Cancer treatment in models: the next steps. *J Biomed Sci*. 2020 May 5;27(1):58. doi: 10.1186/s12929-020-00651-0. PMID: 32370764; PMCID: PMC7201989.

19. Sadeghian M, Rahmani S, Khalesi S, Hejazi E. A review of fasting effects on the response of cancer to chemotherapy. *Clin Nutr.* 2021;40(4):1669-1681. doi:10.1016/j.clnu.2020.10.037
20. Lee J, Duan W, Long JM, Ingram DK, Mattson MP. Dietary restriction increases the number of newly generated neural cells, and induces BDNF expression, in the dentate gyrus of rats. *J Mol Neurosci.* 2000;15(2):99-108. doi:10.1385/JMN:15:2:99
21. Shin BK, Kang S, Kim DS, Park S. Intermittent fasting protects against the deterioration of cognitive function, energy metabolism and dyslipidemia in Alzheimer's disease-induced estrogen deficient rats. *Exp Biol Med (Maywood).* 2018;243(4):334-343. doi:10.1177/1535370217751610
22. Baik SH, Rajeev V, Fann DY, Jo DG, Arumugam TV. Intermittent fasting increases adult hippocampal neurogenesis. *Brain Behav.* 2020 Jan;10(1):e01444. doi: 10.1002/brb3.1444. Epub 2019 Dec 5. PMID: 31804775; PMCID: PMC6955834.
23. Mattson MP, Moehl K, Ghena N, Schmaedick M, Cheng A. Intermittent metabolic switching, neuroplasticity and brain health. *Nat Rev Neurosci.* 2018 Feb;19(2):63-80. doi: 10.1038/nrn.2017.156. Epub 2018 Jan 11. Erratum in: *Nat Rev Neurosci.* 2020 Aug;21(8):445. PMID: 29321682; PMCID: PMC5913738.
24. Gudden J, Arias Vasquez A, Bloemendaal M. The Effects of Intermittent Fasting on Brain and Cognitive Function. *Nutrients.* 2021;13(9):3166. Published 2021 Sep 10. doi:10.3390/nu13093166
25. Goodrick C, L, Ingram D, K, Reynolds M, A, Freeman J, R, Cider N, L: Effects of Intermittent Feeding Upon Growth and Life Span in Rats. *Gerontology* 1982;28:233-241. doi: 10.1159/000212538
26. Sogawa, Hiroshi, and Chiharu Kubo. "Influence of Short-Term Repeated Fasting on the Longevity of Female (NZB×NZW)F1 Mice." *Mechanisms of Ageing and Development*, Elsevier, 13 June 2000, <https://www.sciencedirect.com/science/article/abs/pii/S0047637400001093>.
27. Johnstone A. Fasting for weight loss: an effective strategy or latest dieting trend?. *Int J Obes (Lond).* 2015;39(5):727-733. doi:10.1038/ijo.2014.214
28. Barnosky, Adrienne R., et al. "Intermittent Fasting vs Daily Calorie Restriction for Type 2 Diabetes Prevention: A Review of Human Findings." *Translational Research*, Mosby, 12 June 2014, <https://www.sciencedirect.com/science/article/abs/pii/S193152441400200X>.
29. Mansell PI, Fellows IW, Macdonald IA. Enhanced thermogenic response to epinephrine after 48-h starvation in humans. *Am J Physiol.* 1990;258(1 Pt 2):R87-R93. doi:10.1152/ajpregu.1990.258.1.R87
30. Zauner C, Schneeweiss B, Kranz A, et al. Resting energy expenditure in short-term starvation is increased as a result of an increase in serum norepinephrine. *Am J Clin Nutr.* 2000;71(6):1511-1515. doi:10.1093/ajcn/71.6.1511
31. Barnosky, Adrienne R., et al. "Intermittent Fasting vs Daily Calorie Restriction for Type 2 Diabetes Prevention: A Review of Human Findings." *Translational Research*, Mosby, 12 June 2014, <https://www.sciencedirect.com/science/article/abs/pii/S193152441400200X>.
32. Varady KA. Intermittent versus daily calorie restriction: which diet regimen is more effective for weight loss?. *Obes Rev.* 2011;12(7):e593-e601. doi:10.1111/j.1467-789X.2011.00873.x
33. Moro T, Tinsley G, Bianco A, Marcolin G, Pacelli QF, Battaglia G, Palma A, Gentil P, Neri M, Paoli A. Effects of eight weeks of time-restricted feeding (16/8) on basal metabolism, maximal strength, body composition, inflammation, and cardiovascular risk factors in resistance-trained males. *J Transl Med.* 2016 Oct 13;14(1):290. doi: 10.1186/s12967-016-1044-0. PMID: 27737674; PMCID: PMC5064803.

34. Varady KA. Intermittent versus daily calorie restriction: which diet regimen is more effective for weight loss?. *Obes Rev.* 2011;12(7):e593-e601. doi:10.1111/j.1467-789X.2011.00873.x
35. Varady KA. Intermittent versus daily calorie restriction: which diet regimen is more effective for weight loss?. *Obes Rev.* 2011;12(7):e593-e601. doi:10.1111/j.1467-789X.2011.00873.x
36. Mansell PI, Fellows IW, Macdonald IA. Enhanced thermogenic response to epinephrine after 48-h starvation in humans. *Am J Physiol.* 1990;258(1 Pt 2):R87-R93. doi:10.1152/ajpregu.1990.258.1.R87
37. Zauner C, Schneeweiss B, Kranz A, et al. Resting energy expenditure in short-term starvation is increased as a result of an increase in serum norepinephrine. *Am J Clin Nutr.* 2000;71(6):1511-1515. doi:10.1093/ajcn/71.6.1511
38. Nair KS, Woolf PD, Welle SL, Matthews DE. Leucine, glucose, and energy metabolism after 3 days of fasting in healthy human subjects. *Am J Clin Nutr.* 1987;46(4):557-562. doi:10.1093/ajcn/46.4.557
39. West, Helen. "Does Intermittent Fasting Boost Your Metabolism?" *Healthline*, Healthline Media, 20 Nov. 2016, <https://www.healthline.com/nutrition/intermittent-fasting-metabolism>.