Doctor: entonces, ¿qué cómo?

Referencias bibliográficas

Capítulo 1: Lo que creemos que es una alimentación saludable

1. Kulshreshtha, A., Goyal, A., Veledar, E., et al., «Association between ideal cardiovascular health and carotid intima-media thickness: a twin study», en J Am Heart Assoc., 3(1), 2014, p. e000282.
2. McAllister EJ, Dhurandhar NV, Keith SW, et al. Ten putative contributors to the obesity epidemic. Crit Rev Food Sci Nutr. 2009; 49 (10): 868–913.
3. Slyskova J, Lorenzo Y, Karlsen A, Carlsen MH, Novosadova V, Blomhoff R, Vodicka P, Collins AR. Both genetic and dietary factors underlie individual differences in DNA damage levels and DNA repair capacity. DNA Repair (Amst). 2014 Apr; 16: 66-73.
4. Wang X, Ma H, Li X, Heianza Y, Manson JE, Franco OH, Qi L. Association of Cardiovascular Health with Life Expectancy Free of Cardiovascular Disease, Diabetes, Cancer, and Dementia in UK Adults. JAMA Intern Med. 2023 Apr 1; 183 (4): 340-34.
5. Lloyd-Jones DM, Ning H, Labarthe D, Brewer L, Sharma G, Rosamond W, Foraker RE, Black T, Grandner MA, Allen NB, Anderson C, Lavretsky H, Perak AM. Status of Cardiovascular Health in US Adults and Children Using the American Heart Association's New "Life's Essential 8" Metrics: Prevalence Estimates from the National Health and Nutrition Examination Survey (NHANES), 2013 Through 2018. Circulation. 2022 Sep 13; 146 (11): 822-835.
6. Shay CM, Ning H, Allen NB, Carnethon MR, Chiuve SE, Greenlund KJ, Daviglus ML, Lloyd-Jones DM. Status of cardiovascular health in US adults: prevalence estimates from the National Health and Nutrition Examination Surveys (NHANES) 2003-2008. Circulation. 2012 Jan 3;125(1):45-56.
7. Micha R, Peñalvo JL, Cudhea F, Imamura F, Rehm CD, Mozaffarian D. Association Between Dietary Factors and Mortality from Heart Disease, Stroke, and Type 2 Diabetes in the United States. JAMA. 2017 Mar 7; 317 (9): 912-924.
8. «Wizard Edison says doctors of future will give no medicine», en Newark Advocate, 2 de enero de 1903.
9. Swift, C. S., «Nutrition trends: implications for diabetes health care professionals», Diabetes Spectr., 29 (1), 2009, pp. 23–25.
10. Vetter, M. L., Herring, S. J., Sood, M., Shah, N. R., Kalet, A. L., «What do resident physicians know about nutrition? An evaluation of attitudes, self-perceived proficiency and knowledge», J Am Coll Nutr., 27 (2), 2008, pp. 287–298.
11. Murray, C. J., Atkinson, C., Bhalla, K., et al., «The state of US health, 1990-2010: burden of diseases, injuries, and risk factors», JAMA, 310 (6), 2013, pp. 591–608.
12. Kris-Etherton, P. M., Akabas, S. R., Bales, C. W., et al., «The need to advance nutrition education in the training of health care professionals and recommended research to evaluate implementation and effectiveness», Am J Clin Nutr., 99 (5 Sup.), 2014, pp. 1153S-1566S.

13. Ahmad FB, Cisewski JA, Xu J, Anderson RN. Provisional Mortality Data — United States, 2022. MMWR Morb Mortal Wkly Rep 2023; 72: 488–492.
14. Acceso libre en https://www.who.int/data/gho/data/themes/mortality-and-global-health-estimates/ghe-leading-causes-of-death, ultima consulta: Diciembre de 2023.
15. Razzaghi H, Martin DN, Quesnel-Crooks S, Hong Y, Gregg E, Andall-Brereton G, et al. 10-year trends in noncommunicable disease mortality in the Caribbean region. Rev Panam Salud Pública. 2019; 43: e37.
16. Swinburn B, Sacks G, Ravussin E. Increased food energy supply is more than sufficient to explain the US epidemic of obesity. Am J Clin Nutr. 2009; 90 (6): 1453–6.
17. Allender, S., Scarborough, P., O'Flaherty, M. et al. Patterns of coronary heart disease mortality over the 20th century in England and Wales: Possible plateaus in the rate of decline. BMC Public Health 8, 148 (2008).
18. Cutler D, Glaeser E, Shapiro J. Why have Americans become more obese? J Econ Perspect. 2003; 17 (3): 93–118.
19. Moodie R, Stuckler D, Monteiro C, et al. Profits and pandemics: prevention of harmful effects of tobacco, alcohol, and ultra-processed food and drink industries. Lancet. 2013; 381 (9867): 670–9.
20. Scrinis G. Big Food corporations and the nutritional marketing and regulation of processed foods. Canadian Food Studies. 2015; 2 (2):136–45.
21. Chen KK, Wee SL, Pang BWJ, Lau LK, Jabbar KA, Seah WT, Ng TP. Relationship between BMI with percentage body fat and obesity in Singaporean adults - The Yishun Study. BMC Public Health. 2021 Jun 1; 21 (1): 1030.
22. Woolcott OO, Seuring T. Temporal trends in obesity defined by the relative fat mass (RFM) index among adults in the United States from 1999 to 2020: a population-based study. BMJ Open. 2023 Aug 17; 13 (8): e071295.
23. Winson A. Bringing political economy into the debate on the obesity epidemic. Agric Human Values. 2004; 21 (4): 299–312.

Capítulo 2: Lo que realmente es una alimentación saludable

1. Garnås E. Perspective: Darwinian Applications to Nutrition-The Value of Evolutionary Insights to Teachers and Students. Adv Nutr. 2022 Oct 2;13(5):1431-1439
2. Kapoor MC. Types of studies and research design. Indian J Anaesth. 2016 Sep;60(9):626-630
3. Kiani AK, et al. International bioethics study group. Methodology for clinical research. J Prev Med Hyg. 2022 Oct 17;63(2 Suppl 3): E267-E278
4. Sessler DI, Imrey PB. Clinical Research Methodology 2: Observational Clinical Research. Anesth Analg. 2015 Oct;121(4):1043-1051
5. Borras C, Ingles M, Mas-Bargues C, Dromant M, Sanz-Ros J, Román-Domínguez A, Gimeno-Mallench L, Gambini J, Viña J. Centenarians: An excellent example of resilience for successful ageing. Mech Ageing Dev. 2020 Mar; 186:111199.
6. Winson A. Bringing political economy into the debate on the obesity epidemic. Agric Human Values. 2004;21(4):299-312.

7. Zimmerman FJ. Using marketing muscle to sell fat: the rise of obesity in the modern economy. Annu Rev Public Health. 2011; 32:285-306
8. Nestle M, Jacobson MF. Halting the obesity epidemic: a public health policy approach. Public Health Rep. 2000;115(1):12-24.
9. GBD 2017 Diet Collaborators. Health effects of dietary risks in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2019 May 11; 393 (10184): 1958-1972.
10. Cara KC, Goldman DM, Kollman BK, Amato SS, Tull MD, Karlsen MC. Commonalities among Dietary Recommendations from 2010 to 2021 Clinical Practice Guidelines: A Meta-Epidemiological Study from the American College of Lifestyle Medicine. Adv Nutr. 2023 May; 14(3):500-515.
11. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5): F919-31.
12. Fadnes LT, Økland J-M, Haaland ØA, Johansson KA (2022). Estimating impact of food choices on life expectancy: A modeling study. PLoS Med 19(2): e1003889.
13. Fardet A, Boirie Y. Associations between food and beverage groups and major diet-related chronic diseases: an exhaustive review of pooled/meta-analyses and systematic reviews. Nutr Rev. 2014 Dec; 72(12):741-62.
14. Cena H, Calder PC. Defining a Healthy Diet: Evidence for The Role of Contemporary Dietary Patterns in Health and Disease. Nutrients. 2020 Jan 27;12(2):334.
15. Siu K, Drewnowski A. Toward a New Definition of Healthy Food: Issues and Challenges. Curr Dev Nutr. 2023 Apr 19;7(5):100080).

Capítulo 3: Los componentes esenciales de una alimento saludable

1. Shenkin A. The key role of micronutrients. Clin Nutr. 2006 Feb;25(1):1-13.
2. Shenkin A. Micronutrients in health and disease. Postgrad Med J. 2006 Sep;82(971):559-67
3. Vahid F, Rahmani W, Davoodi SH, Bohn T. The micronutrient content of the diet is correlated with serum glucose biomarkers and lipid profile and is associated with the odds of being overweight/obese-a case-control study. Front Nutr. 2023 Jun 29;10:1148183
4. Lucock MD, Martin CE, Yates ZR, Veysey M. Diet and our genetic legacy in the recent anthropocene: a Darwinian perspective to nutritional health. J Evid Based Complementary Altern Med. 2014 Jan;19(1):68-83
5. Popkin BM. Global nutrition dynamics: the world is shifting rapidly toward a diet linked with noncommunicable diseases. Am J Clin Nutr. 2006 Aug;84(2):2 89-98.
6. Lucock MD, Martin CE, Yates ZR, Veysey M. Diet and Our Genetic Legacy in the Recent Anthropocene: A Darwinian Perspective to Nutritional Health. Journal of Evidence-Based Complementary & Alternative Medicine. 2014;19(1):68-83.
7. Garnås E. Perspective: Darwinian Applications to Nutrition-The Value of Evolutionary Insights to Teachers and Students. Adv Nutr. 2022 Oct 2;13(5):1431-1439.

8. Lucock MD, Martin CE, Yates ZR, Veysey M. Diet and Our Genetic Legacy in the Recent Anthropocene: A Darwinian Perspective to Nutritional Health. Journal of Evidence-Based Complementary & Alternative Medicine. 2014;1 9(1):68-83.
9. Chakravarthy MV, Booth FW. Eating, exercise, and "thrifty" genotypes: connecting the dots toward an evolutionary understanding of modern chronic diseases. J Appl Physiol (1985). 2004 Jan; 96 (1): 3-10.
10. Müller V, de Boer RJ, Bonhoeffer S, Szathmáry E. An evolutionary perspective on the systems of adaptive immunity. Biol Rev Camb Philos Soc. 2018 Feb;93(1):505-528.
11. Nesse RM, Stearns SC. The great opportunity: Evolutionary applications to medicine and public health. Evol Appl. 2008 Feb; 1 (1): 28-48.
12. Popkin BM, Gordon-Larsen P. The nutrition transition: worldwide obesity dynamics and their determinants. Int J Obes Relat Metab Disord. 2004 Nov; 28 Suppl 3:S2-9.
13. Sonnenburg ED, Smits SA, Tikhonov M, Higginbottom SK, Wingreen NS, Sonnenburg JL. Diet-induced extinctions in the gut microbiota compound over generations. Nature. 2016 Jan 14;529(7585):212-5.
14. Merrill BD, Carter MM, Olm MR, Dahan D, Tripathi S, Spencer SP, Yu B, Jain S, Neff N, Jha AR, Sonnenburg ED, Sonnenburg JL. Ultra-deep Sequencing of Hadza Hunter-Gatherers Recovers Vanishing Gut Microbes. bioRxiv [Preprint]. 2022 Oct 6:2022.03.30.486478.
15. Sonnenburg ED, Sonnenburg JL. The ancestral and industrialized gut microbiota and implications for human health. Nat Rev Microbiol. 2019 Jun;17(6):383-390.
16. Wastyk HC, Fragiadakis GK, Perelman D, Dahan D, Merrill BD, Yu FB, Topf M, Gonzalez CG, Van Treuren W, Han S, Robinson JL, Elias JE, Sonnenburg ED, Gardner CD, Sonnenburg JL. Gut-microbiota-targeted diets modulate human immune status. Cell. 2021 Aug 5;184(16):4137-4153.e14.
17. Sonnenburg ED, Sonnenburg JL. Starving our microbial self: the deleterious consequences of a diet deficient in microbiota-accessible carbohydrates. Cell Metab. 2014 Nov 4;20(5):779-786.
18. Zmora N, Suez J, Elinav E. You are what you eat: diet, health and the gut microbiota. Nat Rev Gastroenterol Hepatol. 2019 Jan;16(1):35-56.
19. Moszak M, Szulińska M, Bogdański P. You Are What You Eat-The Relationship between Diet, Microbiota, and Metabolic Disorders-A Review. Nutrients. 2020 Apr 15;12(4):1096.
20. Moszak M, Szulińska M, Bogdański P. You Are What You Eat-The Relationship between Diet, Microbiota, and Metabolic Disorders-A Review. Nutrients. 2020 Apr 15;12(4):1096.
21. Otsuka R, Tange C, Nishita Y, Kato Y, Tomida M, Imai T, Ando F, Shimokata H. Dietary Diversity and All-Cause and Cause-Specific Mortality in Japanese Community-Dwelling Older Adults. Nutrients. 2020 Apr 10;12(4): 1052.
22. Torres-Collado L, García-de la Hera M, Cano-Ibañez N, Bueno-Cavanillas A, Vioque J. Association between Dietary Diversity and All-Cause Mortality: A Multivariable Model in a Mediterranean Population with 18 Years of Follow-Up. Nutrients. 2022 Apr 11;14(8):1583.
23. Nishi SK, Khoury N, Valle Hita C, Zurbau A, Salas-Salvadó J, Babio N. Vegetable and Fruit Intake Variety and Cardiovascular Health and Mortality: A Systematic Review and Meta-Analysis of Observational Studies. Nutrients. 2023 Nov 24;15(23):4913.
24. Bhupathiraju SN, Tucker KL. Greater variety in fruit and vegetable intake is associated with lower inflammation in Puerto Rican adults. Am J Clin Nutr. 2011 Jan; 93(1):37-46.

25. Büchner FL, et al. Variety in fruit and vegetable consumption and the risk of lung cancer in the European prospective investigation into cancer and nutrition. Cancer Epidemiol Biomarkers Prev. 2010 Sep;19(9):2278-86.
26. Cooper AJ, Sharp SJ, Lentjes MA, Luben RN, Khaw KT, Wareham NJ, Forouhi NG. A prospective study of the association between quantity and variety of fruit and vegetable intake and incident type 2 diabetes. Diabetes Care. 2012 Jun; 35 (6): 1293-300.
27. Ye X, Bhupathiraju SN, Tucker KL. Variety in fruit and vegetable intake and cognitive function in middle-aged and older Puerto Rican adults. Br J Nutr. 2013 Feb 14;1 09(3):503-10.
28. Vadiveloo M, Parekh N, Mattei J. Greater healthful food variety as measured by the US Healthy Food Diversity index is associated with lower odds of metabolic syndrome and its components in US adults. J Nutr. 2015 Mar; 145(3):564-71.
29. Vadiveloo M, Dixon LB, Mijanovich T, Elbel B, Parekh N. Development and evaluation of the US Healthy Food Diversity index. Br J Nutr. 2014 Nov 14;112(9):1562-74.
30. Drescher LS, Thiele S, Mensink GB. A new index to measure healthy food diversity better reflects a healthy diet than traditional measures. J Nutr. 2007 Mar; 137 (3): 647-51.
31. Wang P, Huang J, Sun J, Liu R, Jiang T, Sun G. Evaluating the Nutritional Properties of Food: A Scoping Review. Nutrients. 2022 Jun 5;14(11):2 352.
32. Willett W, Rockström J, et al. Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. Lancet. 2019 Feb 2;393(10170):447-492.
33. Tulloch AIT, Borthwick F, Bogueva D, Eltholth M, Grech A, Edgar D, Boylan S, McNeill G. How the EAT-Lancet Commission on food in the Anthropocene influenced discourse and research on food systems: a systematic review covering the first 2 years post-publication. Lancet Glob Health. 2023 Jul; 11 (7): e1125-e1136.
34. Gil Á, Martinez de Victoria E, Olza J. Indicators for the evaluation of diet quality. Nutr Hosp. 2015 Feb 26;31 Suppl 3: 128-44.
35. Miao M, Hamaker BR. Food Matrix Effects for Modulating Starch Bioavailability. Annu Rev Food Sci Technol. 2021 Mar 25;12:169-191.
36. Aguilera JM. The food matrix: implications in processing, nutrition and health. Crit Rev Food Sci Nutr. 2019; 59(22):3612-3629.
37. Rein MJ, Renouf M, Cruz-Hernandez C, Actis-Goretta L, Thakkar SK, da Silva Pinto M. Bioavailability of bioactive food compounds: a challenging journey to bioefficacy. Br J Clin Pharmacol. 2013 Mar;75(3):588-602.
38. Rein MJ, Renouf M, Cruz-Hernandez C, Actis-Goretta L, Thakkar SK, da Silva Pinto M. Bioavailability of bioactive food compounds: a challenging journey to bioefficacy. Br J Clin Pharmacol. 2013 Mar;75(3):588-602)
39. Forde CG, Bolhuis D. Interrelations Between Food Form, Texture, and Matrix Influence Energy Intake and Metabolic Responses. Curr Nutr Rep. 2022 Jun;11(2):124-132.
40. Forde CG, Bolhuis D. Interrelations Between Food Form, Texture, and Matrix Influence Energy Intake and Metabolic Responses. Curr Nutr Rep. 2022 Jun;11(2):124-132.
41. Aguilera JM. The food matrix: implications in processing, nutrition and health. Crit Rev Food Sci Nutr. 2019; 59 (22): 3612-3629.

42. Bolhuis DP, Forde CG, Cheng Y, Xu H, Martin N, de Graaf C. Slow food: sustained impact of harder foods on the reduction in energy intake over the course of the day. PLoS One. 2014 Apr 2;9(4): e93370.
43. Miao M, Hamaker BR. Food Matrix Effects for Modulating Starch Bioavailability. Annu Rev Food Sci Technol. 2021 Mar 25;12:169-191.
44. Wang P, Huang J, Sun J, Liu R, Jiang T, Sun G. Evaluating the Nutritional Properties of Food: A Scoping Review. Nutrients. 2022 Jun 5;14(11):2352.
45. Schwingshackl L, Schwedhelm C, Hoffmann G, Lampousi AM, Knüppel S, Iqbal K, Bechthold A, Schlesinger S, Boeing H. Food groups and risk of all-cause mortality: a systematic review and meta-analysis of prospective studies. Am J Clin Nutr. 2017 Jun;105(6):1462-1473.
46. Bhandari B, Liu Z, Lin S, Macniven R, Akombi-Inyang B, Hall J, Feng X, Schutte AE, Xu X. Long-Term Consumption of 10 Food Groups and Cardiovascular Mortality: A Systematic Review and Dose Response Meta-Analysis of Prospective Cohort Studies. Adv Nutr. 2023 Jan;14(1):55-63.
47. Kwon YJ, Lee HS, Park G, Kim HM, Lee JW. Association of Dietary Fiber Intake with All-Cause Mortality and Cardiovascular Disease Mortality: A 10-Year Prospective Cohort Study. Nutrients. 2022 Jul 27;1 4 (15): 3089.
48. Xu X, Zhang J, Zhang Y, Qi H, Wang P. Associations between dietary fiber intake and mortality from all causes, cardiovascular disease and cancer: a prospective study. J Transl Med. 2022 Aug 2; 20 (1): 344.
49. Gill SK, Rossi M, Bajka B, Whelan K. Dietary fibre in gastrointestinal health and disease. Nat Rev Gastroenterol Hepatol. 2021 Feb;18(2):101-116.
50. Barber TM, Kabisch S, Pfeiffer AFH, Weickert MO. The Health Benefits of Dietary Fibre. Nutrients. 2020 Oct 21; 12(10):3209.
51. Southgate DA, Durnin JV. Calorie conversion factors. An experimental reassessment of the factors used in the calculation of the energy value of human diets. Br J Nutr. 1970;24(2):517–35.
52. Tomada de: Augustin LSA, Aas AM, Astrup A, Atkinson FS, Baer-Sinnott S, Barclay AW, Brand-Miller JC, Brighenti F, Bullo M, Buyken AE, Ceriello A, Ellis PR, Ha MA, Henry JC, Kendall CWC, La Vecchia C, Liu S, Livesey G, Poli A, Salas-Salvadó J, Riccardi G, Riserus U, Rizkalla SW, Sievenpiper JL, Trichopoulou A, Usic K, Wolever TMS, Willett WC, Jenkins DJA. Dietary Fibre Consensus from the International Carbohydrate Quality Consortium (ICQC). Nutrients. 2020 Aug 24;12 (9):2553
53. Schmier JK, Miller PE, Levine JA, et al. Cost savings of reduced constipation rates attributed to increased dietary fiber intakes: a decision-analytic model. BMC Public Health. 2014;14:374.
54. Heaton KW. Food fibre as an obstacle to energy intake. Lancet. 1973 Dec 22;2(7843):1418-21.
55. Howarth NC, Saltzman E, Roberts SB. Dietary fiber and weight regulation. Nutr Rev. 2001; 59(5):129–39.
56. Trumbo P, Schlicker S, Yates AA, Poos M. Dietary reference intakes for energy, carbohydrate, fiber, fat, fatty acids, cholesterol, protein and amino acids. J Am Diet Assoc. 2002; 102(11):1621–30 - Beyer PL, Flynn MA. Effects of high-and low-fiber diets on human feces. J Am Diet Assoc. 1978;72 (3):271–7.
57. Wisker E, Maltz A, Feldheim W. Metabolizable energy of diets low or high in dietary fiber from cereals when eaten by humans. J Nutr. 1988;118(8):945–52.
58. Baer DJ, Rumpler WV, Miles CW, Fahey GC. Dietary fiber decreases the metabolizable energy content and nutrient digestibility of mixed diets fed to humans. J Nutr. 1997;127(4):579–86.
59. McCance RA, Prior KM, Widdowson EM. A radiological study of the rate of passage of brown and white bread through the digestive tract of man. Br J Nutr. 1953;7(1–2):98–104.

60. Lyon MR, Kacinik V. Is there a place for dietary fiber supplements in weight management? Curr Obes Rep. 2012;1(2):59–67.
61. Benini L, Castellani G, Brighenti F, et al. Gastric emptying of a solid meal is accelerated by the removal of dietary fibre naturally present in food. Gut. 1995;36(6):825–30.
62. Dayib M, Larson J, Slavin J. Dietary fibers reduce obesity-related disorders: mechanisms of action. Curr Opin Clin Nutr Metab Care. 2020 Nov;23(6):445-450.
63. Clemente-Suárez VJ, Mielgo-Ayuso J, Martín-Rodríguez A, Ramos-Campo DJ, Redondo-Flórez L, Tornero-Aguilera JF. The Burden of Carbohydrates in Health and Disease. Nutrients. 2022 Sep 15;14(18):3809.
64. Ruxton CHS, Myers M. Fruit juices: are they helpful or harmful? An evidence review. Nutrients. (2021) 13: 1815.
65. Xu X, Grafenauer S, Barr ML, Schutte AE. Impact of Fruit and Fruit Juice on Death and Disease Incidence: A Sex-Specific Longitudinal Analysis of 18 603 Adults. J Am Heart Assoc. 2023 Dec 5;12(23):e030199.
66. Shin HS, Ingram JR, McGill AT, Poppitt SD. Lipids, CHOs, proteins: can all macronutrients put a 'brake' on eating? Physiol Behav. 2013 Aug 15;120:1 14-23.
67. Wilbrink J, Masclee G, Klaassen T, van Avesaat M, Keszthelyi D, Masclee A. Review on the Regional Effects of Gastrointestinal Luminal Stimulation on Appetite and Energy Intake: (Pre)clinical Observations. Nutrients. 2021 May 11;13(5):1601.
68. Van Avesaat M, Troost FJ, Ripken D, Hendriks HF, Masclee AA. Ileal brake activation: macronutrient-specific effects on eating behavior? Int J Obes (Lond). 2015;39(2):235–43.
69. McKenzie CI, Mackay CR, Macia L. GPR43—a prototypic metabolite sensor linking metabolic and inflammatory diseases. Trends Endocrinol Metab. 2015;26(10):511–2.
70. Jiao J, Xu JY, Zhang W, Han S, Qin LQ. Effect of dietary fiber on circulating C-reactive protein in overweight and obese adults: a meta-analysis of randomized controlled trials. Int J Food Sci Nutr. 2015; 66 (1): 114–9.
71. Lymperopoulos A, Suster MS, Borges JI. Short-Chain Fatty Acid Receptors and Cardiovascular Function. Int J Mol Sci. 2022 Mar 18;23(6):3303.
72. Hu T, Wu Q, Yao Q, Jiang K, Yu J, Tang Q. Short-chain fatty acid metabolism and multiple effects on cardiovascular diseases. Ageing Res Rev. 2022 Nov;81:101706.
73. Halnes I, Baines KJ, Berthon BS, MacDonald-Wicks LK, Gibson PG, Wood LG. Soluble fibre meal challenge reduces airway inflammation and expression of GPR43 and GPR41 in asthma. Nutrients. 2017;9(1):57.
74. Canfora EE, Jocken JW, Blaak EE. Short-chain fatty acids in control of body weight and insulin sensitivity. Nat Rev Endocrinol. 2015 Oct;11(10):577-91.
75. Morrison DJ, Preston T. Formation of short chain fatty acids by the gut microbiota and their impact on human metabolism. Gut Microbes. 2016 May 3;7(3):189-200.
76. Helander HF, Fändriks L. The enteroendocrine «letter cells» time for a new nomenclature? Scand J Gastroenterol. 2012;47(1):3.
77. Kaji I, Karaki S, Kuwahara A. Short-chain fatty acid receptor and its contribution to glucagon-like peptide-1 release. Digestion. 2014;89(1):31–6.
78. Canfora EE, Jocken JW, Blaak EE. Short-chain fatty acids in control of body weight and insulin sensitivity. Nat Rev Endocrinol. 2015;11(10):577–91.
79. Sleeth ML, Thompson EL, Ford HE, Zac-Varghese SE, Frost G. Free fatty acid receptor 2 and nutrient sensing: a proposed role for fibre, fermentable carbohydrates and short-chain fatty acids in appetite regulation. Nutr Res Rev. 2010;23(1):135–45.

80. P. Morell, S. Fiszman. Revisiting the role of protein-induced satiation and satiety. Food Hydrocolloids, 68 (2017), pp. 199-210.
81. Seal CJ, Courtin CM, Venema K, de Vries J. Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. Compr Rev Food Sci Food Saf. 2021 May;20(3): 2742-2768.
82. Ryan KK, Seeley RJ. Physiology. Food as a hormone. Science. 2013; 339 (6122): 918–9.
83. Campbell WW, Johnson CA, McCabe GP, Carnell NS. Dietary protein requirements of younger and older adults. Am J Clin Nutr. 2008 Nov;88 (5):1322-9.
84. Bauer J, Biolo G, Cederholm T, Cesari M, Cruz-Jentoft AJ, Morley JE, Phillips S, Sieber C, Stehle P, Teta D, Visvanathan R, Volpi E, Boirie Y. Evidence-based recommendations for optimal dietary protein intake in older people: a position paper from the PROT-AGE Study Group. J Am Med Dir Assoc. 2013 Aug; 14 (8): 542-59.
85. Jäger R, Kerksick CM, Campbell BI, Cribb PJ, Wells SD, Skwiat TM, Purpura M, Ziegenfuss TN, Ferrando AA, Arent SM, Smith-Ryan AE, Stout JR, Arciero PJ, Ormsbee MJ, Taylor LW, Wilborn CD, Kalman DS, Kreider RB, Willoughby DS, Hoffman JR, Krzykowski JL, Antonio J. International Society of Sports Nutrition Position Stand: protein and exercise. J Int Soc Sports Nutr. 2017 Jun 20;14: 20.
86. Phillips SM, Van Loon LJ. Dietary protein for athletes: from requirements to optimum adaptation. J Sports Sci. 2011;29 Suppl 1: S29-38.
87. Tang M. Protein Intake during the First Two Years of Life and Its Association with Growth and Risk of Overweight. Int J Environ Res Public Health. 2018 Aug 14;15(8):1742.
88. Koletzko B, Schiess S, Brands B, Haile G, Demmelmair H, von Kries R, Grote V. Frühkindliche Ernährung und späteres Adipositasrisiko. Hinweise auf frühe metabolische Programmierung [Infant feeding practice and later obesity risk. Indications for early metabolic programming]. Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz. 2010 Jul;53(7):666-73.
89. Eilander A, Harika RK, Zock PL. Intake and sources of dietary fatty acids in Europe: Are current population intakes of fats aligned with dietary recommendations? Eur J Lipid Sci Technol. 2015 Sep;117(9):1370-1377.
90. Kovalskys I, Rigotti A, Koletzko B, Fisberg M, Gómez G, Herrera-Cuenca M, Cortés Sanabria LY, Yépez García MC, Pareja RG, Zimberg IZ, Del Arco A, Zonis L, Previdelli AN, Guajardo V, Moreno LA, Fisberg R; ELANS Study Group. Latin American consumption of major food groups: Results from the ELANS study. PLoS One. 2019 Dec 26;14(12):e0225101
91. Pasiakos SM, Agarwal S, Lieberman HR, Fulgoni VL 3rd. Sources and Amounts of Animal, Dairy, and Plant Protein Intake of US Adults in 2007-2010. Nutrients. 2015 Aug 21;7(8):7058-69
92. US Department of Agriculture (USDA) FoodData Central. Disponible en línea: online: https://fdc.nal.usda.gov/Index.Html (último acceso: Enero 2024).
93. Di Y, Ding L, Gao L, Huang H. Association of meat consumption with the risk of gastrointestinal cancers: a systematic review and meta-analysis. BMC Cancer. 2023 Aug 23;23(1):782.
94. Zhu H, Yang X, Zhang C, Zhu C, Tao G, Zhao L, Tang S, Shu Z, Cai J, Dai S, Qin Q, Xu L, Cheng H, Sun X. Red and processed meat intake is associated with higher gastric cancer risk: a meta-analysis of epidemiological observational studies. PLoS One. 2013 Aug 14;8(8):e70955.
95. Farvid MS, Sidahmed E, Spence ND, Mante Angua K, Rosner BA, Barnett JB. Consumption of red meat and processed meat and cancer incidence: a systematic review and meta-analysis of prospective studies. Eur J Epidemiol. 2021 Sep;36(9):937-951.

96. Kim Y. The association between red, processed and white meat consumption and risk of pancreatic cancer: a meta-analysis of prospective cohort studies. Cancer Causes Control. 2023 Jul;34(7):569-581.
97. Schwingshackl L, Hoffmann G, Lampousi AM, Knüppel S, Iqbal K, Schwedhelm C, Bechthold A, Schlesinger S, Boeing H. Food groups and risk of type 2 diabetes mellitus: a systematic review and meta-analysis of prospective studies. Eur J Epidemiol. 2017 May;32(5):363-375.
98. Schlesinger S, Neuenschwander M, Schwedhelm C, Hoffmann G, Bechthold A, Boeing H, Schwingshackl L. Food Groups and Risk of Overweight, Obesity, and Weight Gain: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2019 Mar 1;10(2):205-218.
99. Schwingshackl L, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, Andriolo V, Bechthold A, Schlesinger S, Boeing H. Food Groups and Risk of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2017 Nov 15;8(6):793-803.
100. Bechthold A, Boeing H, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, De Henauw S, Michels N, Devleesschauwer B, Schlesinger S, Schwingshackl L. Food groups and risk of coronary heart disease, stroke and heart failure: A systematic review and dose-response meta-analysis of prospective studies. Crit Rev Food Sci Nutr. 2019;59(7):1071-1090.
101. Yang C, Pan L, Sun C, Xi Y, Wang L, Li D. Red Meat Consumption and the Risk of Stroke: A Dose-Response Meta-analysis of Prospective Cohort Studies. J Stroke Cerebrovasc Dis. 2016 May;25(5):1177-1186.
102. Marie Evans, Lu Dai, Carla Maria Avesani, Karolina Kublickiene, Peter Stenvinkel, The dietary source of trimethylamine N-oxide and clinical outcomes: an unexpected liaison, Clinical Kidney Journal, Volume 16, Issue 11, November 2023, Pages 1804–1812.
103. Gatarek P, Kaluzna-Czaplinska J. Trimethylamine N-oxide (TMAO) in human health. EXCLI J. 2021 Feb 11;20:301-319.
104. Velasquez MT, Ramezani A, Manal A, Raj DS. Trimethylamine N-Oxide: The Good, the Bad and the Unknown. Toxins (Basel). 2016 Nov 8;8(11):326.
105. Kim Y. The association between red, processed and white meat consumption and risk of pancreatic cancer: a meta-analysis of prospective cohort studies. Cancer Causes Control. 2023 Jul;34(7): 569-581.
106. Rohrmann S, et al. Meat and fish consumption and risk of pancreatic cancer: results from the European Prospective Investigation into Cancer and Nutrition. Int J Cancer. 2013 Feb 1;132(3):617-24.
107. Felini M, Johnson E, Preacely N, Sarda V, Ndetan H, Bangara S. A pilot case-cohort study of liver and pancreatic cancers in poultry workers. Ann Epidemiol. 2011 Oct;21(10):755-66.
108. Bergeron N, Chiu S, Williams PT, M King S, Krauss RM. Effects of red meat, white meat, and nonmeat protein sources on atherogenic lipoprotein measures in the context of low compared with high saturated fat intake: a randomized controlled trial. Am J Clin Nutr. 2019 Jul 1;110(1):24-33.
109. Batz MB, Hoffmann S, Morris JG Jr. Ranking the disease burden of 14 pathogens in food sources in the United States using attribution data from outbreak investigations and expert elicitation. J Food Prot. 2012 Jul;75(7):1278-91.
110. Bergeron CR, Prussing C, Boerlin P, Daignault D, Dutil L, Reid-Smith RJ, Zhanel GG, Manges AR. Chicken as reservoir for extraintestinal pathogenic Escherichia coli in humans, Canada. Emerg Infect Dis. 2012 Mar;18 (3):415-21.

111. Jakobsen L, Garneau P, Bruant G, Harel J, Olsen SS, Porsbo LJ, Hammerum AM, Frimodt-Møller N. Is Escherichia coli urinary tract infection a zoonosis? Proof of direct link with production animals and meat. Eur J Clin Microbiol Infect Dis. 2012 Jun;31(6):1121-9.
112. Stadelman, W.J.; Muriana, P.M.; Schmieder, H. The effectiveness of traditional egg-cooking practices for elimination of Salmonella enteritidis. Poultry Science. 1995, 74 (Suppl 1): 119.
113. Davis AL, Curtis PA, Conner DE, McKee SR, Kerth LK. Validation of cooking methods using shell eggs inoculated with Salmonella serotypes Enteritidis and Heidelberg. Poult Sci. 2008 Aug;87(8):1637-42.
114. Humphrey TJ, Greenwood M, Gilbert RJ, Rowe B, Chapman PA. The survival of salmonellas in shell eggs cooked under simulated domestic conditions. Epidemiol Infect. 1989 Aug;103(1):35-45.
115. Melina V, Craig W, Levin S. Position of the Academy of Nutrition and Dietetics: Vegetarian Diets. J Acad Nutr Diet. 2016 Dec;116(12):1970-1980.
116. Gardner CD, Hartle JC, Garrett RD, Offringa LC, Wasserman AS. Maximizing the intersection of human health and the health of the environment with regard to the amount and type of protein produced and consumed in the United States. Nutr Rev. 2019 Apr 1;77(4):197-215.
117. Klapp AL, Feil N, Risius A. A Global Analysis of National Dietary Guidelines on Plant-Based Diets and Substitutions for Animal-Based Foods. Curr Dev Nutr. 2022 Sep 20;6(11):144.
118. Shan Z, Rehm CD, Rogers G, et al. Trends in Dietary Carbohydrate, Protein, and Fat Intake and Diet Quality Among US Adults, 1999-2016. JAMA. 2019;322(12):1178–1187.
119. Neuenschwander M, Stadelmaier J, Eble J, Grummich K, Szczerba E, Kiesswetter E, Schlesinger S, Schwingshackl L. Substitution of animal-based with plant-based foods on cardiometabolic health and all-cause mortality: a systematic review and meta-analysis of prospective studies. BMC Med. 2023 Nov 16;21(1):404.
120. Godos J, Micek A, Brzostek T, Toledo E, Iacoviello L, Astrup A, Franco OH, Galvano F, Martinez-Gonzalez MA, Grosso G. Egg consumption and cardiovascular risk: a dose-response meta-analysis of prospective cohort studies. Eur J Nutr. 2021 Jun;60(4):1833-1862.
121. Xia PF, Pan XF, Chen C, Wang Y, Ye Y, Pan A. Dietary Intakes of Eggs and Cholesterol in Relation to All-Cause and Heart Disease Mortality: A Prospective Cohort Study. J Am Heart Assoc. 2020 May 18;9(10): e015743.
122. Djoussé L, Zhou G, McClelland RL, Ma N, Zhou X, Kabagambe EK, Talegawkar SA, Judd SE, Biggs ML, Fitzpatrick AL, Clark CR, Gagnon DR, Steffen LM, Gaziano JM, Lee IM, Buring JE, Manson JE. Egg consumption, overall diet quality, and risk of type 2 diabetes and coronary heart disease: A pooling project of US prospective cohorts. Clin Nutr. 2021 May;40(5):2475-2482
123. Papier K, Fensom GK, Knuppel A, Appleby PN, Tong TYN, Schmidt JA, Travis RC, Key TJ, Perez-Cornago A. Meat consumption and risk of 25 common conditions: outcome-wide analyses in 475,000 men and women in the UK Biobank study. BMC Med. 2021 Mar 2;19(1):53.
124. Zheng Y, Li Y, Satija A, Pan A, Sotos-Prieto M, Rimm E, Willett WC, Hu FB. Association of changes in red meat consumption with total and cause specific mortality among US women and men: two prospective cohort studies. BMJ. 2019 Jun 12;365: l2110.
125. Di Y, Ding L, Gao L, Huang H. Association of meat consumption with the risk of gastrointestinal cancers: a systematic review and meta-analysis. BMC Cancer. 2023 Aug 23;23(1):782.

126. Schwingshackl L, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, Andriolo V, Bechthold A, Schlesinger S, Boeing H. Food Groups and Risk of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2017 Nov 15; 8(6):793-803.
127. Bechthold A, Boeing H, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, De Henauw S, Michels N, Devleesschauwer B, Schlesinger S, Schwingshackl L. Food groups and risk of coronary heart disease, stroke and heart failure: A systematic review and dose-response meta-analysis of prospective studies. Crit Rev Food Sci Nutr. 2019;59(7): 1071-1090.
128. Yang C, Pan L, Sun C, Xi Y, Wang L, Li D. Red Meat Consumption and the Risk of Stroke: A Dose-Response Meta-analysis of Prospective Cohort Studies. J Stroke Cerebrovasc Dis. 2016 May;25(5):1177-1186.
129. Gu, X, et al. Red meat intake and risk of type 2 diabetes in a prospective cohort study of United States females and males. The American Journal of Clinical Nutrition, 118(2023):1153–1163.
130. Jayedi, A., Shab-Bidar, S., Eimeri, S., & Djafarian, K. (2018). Fish consumption and risk of all-cause and cardiovascular mortality: A dose–response meta-analysis of prospective observational studies. Public Health Nutrition, 21(7), 1297-1306.
131. Bach-Faig, A.; Berry, E.M.; Lairon, D.; Reguant, J.; Trichopoulou, A.; Dernini, S.; Medina, F.X.; Battino, M.; Belahsen, R.; Miranda, G., et al. Mediterranean diet pyramid today. Science and cultural updates. Public Health Nutr. 2011,14, 2274–2284.
132. Cena H, Calder PC. Defining a Healthy Diet: Evidence for The Role of Contemporary Dietary Patterns in Health and Disease. Nutrients. 2020 Jan 27;12(2):334.
133. Hossain E, Nesha M, Chowdhury MAZ, Rahman SH. Human health risk assessment of edible body parts of chicken through heavy metals and trace elements quantitative analysis. PLoS One. 2023 Mar 10;18(3): e0279043.
134. Zhong, V.W.; Van Horn, L.; Greenland, P.; Carnethon, M.R.; Ning, H.; Wilkins, J.T.; Lloyd-Jones, D.M.; Allen, N.B. Associations of Processed Meat, Unprocessed Red Meat, Poultry, or Fish Intake With Incident Cardiovascular Disease and All-Cause Mortality. JAMA. Intern. Med. 2020, 180, 503.
135. Papier K, Fensom GK, Knuppel A, Appleby PN, Tong TYN, Schmidt JA, Travis RC, Key TJ, Perez-Cornago A. Meat consumption and risk of 25 common conditions: outcome-wide analyses in 475,000 men and women in the UK Biobank study. BMC Med. 2021 Mar 2;19(1):53.
136. Davidson B, Maciver J, Lessard E, Connors K. Meat lipid profiles: a comparison of meat from domesticated and wild Southern African animals. In Vivo. 2011 Mar-Apr;25(2):197-202.
137. Jenkins DJ, Wolever TM, Taylor RH, Barker H, Fielden H, Baldwin JM, Bowling AC, Newman HC, Jenkins AL, Goff DV. Glycemic index of foods: a physiological basis for carbohydrate exchange. Am J Clin Nutr. 1981 Mar; 34(3):362-6.
138. Arteaga Llona A. The glycemic index. A current controversy. Nutr Hosp. 2006 May;21 Suppl 2: 53-9, 55-60.
139. Vlachos D, Malisova S, Lindberg FA, Karaniki G. Glycemic Index (GI) or Glycemic Load (GL) and Dietary Interventions for Optimizing Postprandial Hyperglycemia in Patients with T2 Diabetes: A Review. Nutrients. 2020 May 27;12(6):1561.
140. Esfahani A, Wong JM, Mirrahimi A, Srichaikul K, Jenkins DJ, Kendall CW. The glycemic index: physiological significance. J Am Coll Nutr. 2009 Aug;28 Suppl:439S-445S.

141. de Mello RN, de Gois BP, Kravchychyn ACP, Dâmaso AR, Horst MA, Lima GC, Corgosinho FC. Dietary inflammatory index and its relation to the pathophysiological aspects of obesity: a narrative review. Arch Endocrinol Metab. 2023 Jun 19;67(6): e000631.
142. Ruiz-Canela M, Zazpe I, et al. Dietary inflammatory index and anthropometric measures of obesity in a population sample at high cardiovascular risk from the PREDIMED (PREvención con DIeta MEDiterránea) trial. Br J Nutr. 2015 Mar 28;113(6):984-95.
143. Shivappa N, Steck SE, Hurley TG, Hussey JR, Hébert JR. Designing and developing a literature-derived, population-based dietary inflammatory index. Public Health Nutr. 2014 Aug;17(8):1689-9.
144. Hariharan R, Odjidja EN, Scott D, Shivappa N, Hébert JR, Hodge A, de Courten B. The dietary inflammatory index, obesity, type 2 diabetes, and cardiovascular risk factors and diseases. Obes Rev. 2022 Jan;23(1): e13349.
145. Suhett LG, Hermsdorff HHM, Cota BC, Ribeiro SAV, Shivappa N, Hébert JR, Franceschini SDCC, de Novaes JF. Dietary inflammatory potential, cardiometabolic risk and inflammation in children and adolescents: a systematic review. Crit Rev Food Sci Nutr. 2021;61(3):407-416.
146. Mozaffarian D, Hao T, Rimm EB, Willett WC, Hu FB. Changes in diet and lifestyle and long-term weight gain in women and men. N Engl J Med. 2011 Jun 23;364(25):2392-404.
147. Ruge T, Hodson L, Cheeseman J, et al. Fasted to fed trafficking of fatty acids in human adipose tissue reveals a novel regulatory step for enhanced fat storage. J Clin Endocrinol Metab. 2009;94(5):1781–8.
148. Maffeis C, Schutz Y, Grezzani A, Provera S, Piacentini G, Tatò L. Mealinduced thermogenesis and obesity: is a fat meal a risk factor for fat gain in children? J Clin Endocrinol Metab. 2001; 86 (1): 214–9.
149. Votruba SB, Mattison RS, Dumesic DA, Koutsari C, Jensen MD. Meal fatty acid uptake in visceral fat in women. Diabetes. 2007;56(10):2589–97.
150. Björntorp P, Sjöström L. Carbohydrate storage in man: speculations and some quantitative considerations. Metab Clin Exp. 1978; 27 (12 Suppl 2):1853–65.
151. Acheson KJ, Schutz Y, Bessard T, Anantharaman K, Flatt JP, Jéquier E. Glycogen storage capacity and de novo lipogenesis during massive carbohydrate overfeeding in man. Am J Clin Nutr. 1988;48(2):240–7.
152. Sevastianova K, Santos A, Kotronen A, et al. Effect of short-term carbohydrate overfeeding and long-term weight loss on liver fat in overweight humans. Am J Clin Nutr. 2012;96(4):727–34.
153. Flatt JP. Misconceptions in body weight regulation: implications for the obesity pandemic. Crit Rev Clin Lab Sci. 2012;49(4):150–65.
154. Lin PH, Wang Y, Grambow SC, Goggins W, Almirall D. Dietary saturated fat intake is negatively associated with weight maintenance among the PREMIER participants. Obesity (Silver Spring). 2012;20(3):571–5.
155. Fernández de la Puebla RA, Fuentes F, Pérez-Martinez P, et al. A reduction in dietary saturated fat decreases body fat content in overweight, hypercholesterolemic males. Nutr Metab Cardiovasc Dis. 2003;13(5):273–7.
156. Piers LS, Walker KZ, Stoney RM, Soares MJ, O'Dea K. Substitution of saturated with monounsaturated fat in a 4-week diet affects body weight and composition of overweight and obese men. Br J Nutr. 2003;90(3):717–27.
157. Bjermo H, Iggman D, Kullberg J, et al. Effects of n-6 PUFAs compared with SFAs on liver fat, lipoproteins, and inflammation in abdominal obesity: a randomized controlled trial. Am J Clin Nutr. 2012;95(5):1003–12.
158. Rosqvist F, Iggman D, Kullberg J, et al. Overfeeding polyunsaturated and saturated fat causes distinct effects on liver and visceral fat accumulation in humans. Diabetes. 2014; 63 (7): 2356–68.

159. Bray GA, Krauss RM. Overfeeding of polyunsaturated versus saturated fatty acids reduces ectopic fat. Diabetes. 2014;63(7):2222–4.
160. Krishnan S, Cooper JA. Effect of dietary fatty acid composition on substrate utilization and body weight maintenance in humans. Eur J Nutr. 2014;53(3):691–710.
161. Jones PJ, Schoeller DA. Polyunsaturated:saturated ratio of diet fat influences energy substrate utilization in the human. Metab Clin Exp. 1988;37(2):145–51.
162. Piers LS, Walker KZ, Stoney RM, Soares MJ, O'Dea K. The influence of the type of dietary fat on postprandial fat oxidation rates: monounsaturated (olive oil) vs saturated fat (cream). Int J Obes Relat Metab Disord. 2002; 26(6):814–21.
163. Epidemiology and Genomics Research Program. Top food sources of saturated fat among U.S. population, 2005–2006 NHANES. National Cancer Institute Division of Cancer Control and Population Sciences, National Institutes of Health. Actualizado en abril, 20, 2018. Disponible en: https://epi.grants.cancer.gov/diet/foodsources/. Acceso: diciembre, 31, 2023.
164. Kovalskys I, et al; ELANS Study Group. Latin American consumption of major food groups: Results from the ELANS study. PLoS One. 2019 Dec 26;14(12): e0225101.
165. Willett W, Rockström J, Loken B, et al. Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. Lancet. 2019;393(10170):447-492.
166. Blackstone NT, El-abbadi NH, Mccabe MS, Griffin TS, Nelson ME. Linking sustainability to the healthy eating patterns of the Dietary Guidelines for Americans: a modelling study. Lancet Planet Health. 2018;2(8):e344-e352.
167. Organización de las Naciones Unidas para la Agricultura y la Alimentación (FAO)., (2019). La ganadería y la deforestación: un análisis de la relación entre el sector ganadero y la deforestación. Roma, Italia: FAO.
168. Gerber, P. J., Steinfeld, H., Henderson, B., Mottet, A., Opio, C., Dijkman, J., ... & Leip, A. (2013). Tackling climate change through livestock: A global assessment of emissions and mitigation opportunities. Food and Agriculture Organization of the United Nations (FAO). Rome, Italy
169. Poore, J., & Nemecek, T. (2018). Reducing food's environmental impacts through better production, consumption, and waste management. Science, 360(6392), 987-992
170. Tilman, D., Clark, M. L., Williams, P. H., Haddad, L., & Polasky, S. (2009). Forecasting agriculturally driven environmental change. Science, 325(5940), 270-274.
171. Foley, J. A., Ramankutty, N., Brauman, K. A., Cassidy, E. S., Gerber, J. S., Johnston, M., ... & Snyder, M. (2011). Solutions for a cultivated planet. Nature, 478(7369), 337-342
172. Vermeulen, S. J., & Campbell, B. M. (2013). Climate change and food systems. Annual Review of Environment and Resources, 38, 195-222.
173. Mekonnen, M. M., & Hoekstra, A. Y. (2011). The green, blue and grey water footprint of crops and derived crop products. Water Resources Research, 47(6), 2996-3013.
174. Poore, J., & Nemecek, T. (2018). Reducing food's environmental impacts through better production, consumption, and waste management. Science, 360 (6392), 987-992.
175. Poore, J., & Nemecek, T. (2018). Reducing food's environmental impacts through better production, consumption, and waste management. Science, 360 (6392), 987-992.
176. Gerber, P. J., Steinfeld, H., Henderson, B., Mottet, A., Opio, C., Dijkman, J., ... & Leip, A. (2013). Tackling climate change through livestock: A global assessment of emissions and mitigation opportunities. Food and Agriculture Organization of the United Nations (FAO). Rome, Italy.

177. Stoll-Kleemann S, O'Riordan T. The sustainability challenges of our meat and dairy diets. Environment. 2015; 57 (3): 34-48.
178. FAOSTAT, FAO Statistical Databases (Rome, Italy: 2014), http://faostat3.fao.org/faostat-gateway/go/to/home/E (Ultimo acceso: Diciembre 31, 2023
179. Stoll-Kleemann S, O'Riordan T. The sustainability challenges of our meat and dairy diets. Environment. 2015; 57 (3): 34-48.
180. Mekonnen, M. M., & Hoekstra, A. Y. (2011). The green, blue and grey water footprint of crops and derived crop products. Water Resources Research, 47 (6), 2996-3013.
181. United States Environmental Protection Agency (EPA). (2023). The water footprint of your food. Washington, DC: EPA.
182. Poore, J., & Nemecek, T. (2018). Reducing food's environmental impacts through better production, consumption, and waste management. Science, 360 (6392), 987-992.
183. Blackstone NT, El-abbadi NH, Mccabe MS, Griffin TS, Nelson ME. Linking sustainability to the healthy eating patterns of the Dietary Guidelines for Americans: a modelling study. Lancet Planet Health. 2018; 2 (8): e344-e352.
184. Springmann M, Wiebe K, Mason-d'croz D, Sulser TB, Rayner M, Scarborough P. Health and nutritional aspects of sustainable diet strategies and their association with environmental impacts: a global modelling analysis with country-level detail. Lancet Planet Health. 2018; 2 (10): e451-e461.
185. Chriki S, Hocquette JF. The Myth of Cultured Meat: A Review. Front Nutr. 2020 Feb 7;7:7.
186. Mullen, A. Ultra-processed food and chronic disease. Nat Food 1, 771 (2020).
187. Vadiveloo MK, Gardner CD. Not All Ultra-Processed Foods Are Created Equal: A Case for Advancing Research and Policy That Balances Health and Nutrition Security. Diabetes Care. 2023 Jul 1; 46 (7): 1327-1329.
188. Seal CJ, Courtin CM, Venema K, de Vries J. Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. Compr Rev Food Sci Food Saf. 2021 May;20(3):2742-2768.
189. Clemente-Suárez VJ, Mielgo-Ayuso J, Martín-Rodríguez A, Ramos-Campo DJ, Redondo-Flórez L, Tornero-Aguilera JF. The Burden of Carbohydrates in Health and Disease. Nutrients. 2022 Sep 15;14(18):3809.
190. Opara EI, Chohan M. Culinary herbs and spices: their bioactive properties, the contribution of polyphenols and the challenges in deducing their true health benefits. Int J Mol Sci. 2014 Oct 22;15(10):19183-202
191. Seal CJ, Courtin CM, Venema K, de Vries J. Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. Compr Rev Food Sci Food Saf. 2021 May; 20 (3): 2742-2768.
192. Walker RW, Dumke KA, Goran MI. Fructose content in popular beverages made with and without high-fructose corn syrup. Nutrition. 2014;30(7-8):928-935
193. DiMeglio DP, Mattes RD. Liquid vs solid carbohydrate: effects on food intake and body weight. Int J Obes Relat Metab Disord. 2000;24(6):794-800
194. Auerbach BJ, Dibey S, Vallila-Buchman P, Kratz M, Krieger J. Review of 100% Fruit Juice and Chronic Health Conditions: Implications for Sugar-Sweetened Beverage Policy. Adv Nutr. 2018 Mar 1; 9 (2): 78-85.
195. Ruxton CHS, Myers M. Fruit Juices: Are They Helpful or Harmful? An Evidence Review. Nutrients. 2021 May 27;13(6):1815.

196. Seal CJ, Courtin CM, Venema K, de Vries J. Health benefits of whole grain: effects on dietary carbohydrate quality, the gut microbiome, and consequences of processing. Compr Rev Food Sci Food Saf. 2021 May; 20 (3): 2742-2768.
197. Clemente-Suárez VJ, Mielgo-Ayuso J, Martín-Rodríguez A, Ramos-Campo DJ, Redondo-Flórez L, Tornero-Aguilera JF. The Burden of Carbohydrates in Health and Disease. Nutrients. 2022 Sep 15; 14 (18): 3809.
198. Yan W, Lin S, Wu D, Shi Y, Dou L, Li X. Processed Food-Sweets Patterns and Related Behaviors with Attention Deficit Hyperactivity Disorder among Children: A Case-Control Study. Nutrients. 2023 Mar 2;15(5):1254), o el autismo, tanto en niños como en adultos (Acosta A, Khokhlovich E, Reis H, Vyshedskiy A. Dietary Factors Impact Developmental Trajectories in Young Autistic Children. J Autism Dev Disord. 2023 Aug 16.
199. Abdelli LS, Samsam A, Naser SA. Propionic Acid Induces Gliosis and Neuro-inflammation through Modulation of PTEN/AKT Pathway in Autism Spectrum Disorder. Sci Rep. 2019 Jun 19; 9 (1): 8824.
200. Baillie-Hamilton PF. Chemical toxins: a hypothesis to explain the global obesity epidemic. J Altern Complement Med. 2002; 8(2):185–92.
201. Thayer KA, Heindel JJ, Bucher JR, Gallo MA. Role of environmental chemicals in diabetes and obesity: a National Toxicology Program workshop review. Environ Health Perspect. 2012; 120(6):779–89.
202. Baillie-Hamilton PF. Chemical toxins: a hypothesis to explain the global obesity epidemic. J Altern Complement Med. 2002; 8 (2):185–92.
203. Sellem L, Srour B, Javaux G, Chazelas E, Chassaing B, Viennois E, Debras C, Salamé C, Druesne-Pecollo N, Esseddik Y, de Edelenyi FS, Agaësse C, De Sa A, Lutchia R, Louveau E, Huybrechts I, Pierre F, Coumoul X, Fezeu LK, Julia C, Kesse-Guyot E, Allès B, Galan P, Hercberg S, Deschasaux-Tanguy M, Touvier M. Food additive emulsifiers and risk of cardiovascular disease in the NutriNet-Santé cohort: prospective cohort study. BMJ. 2023 Sep 6; 382: e076058.
204. Mafra, D., Borges, N.A., Lindholm, B. et al. Food as medicine: targeting the uraemic phenotype in chronic kidney disease. Nat Rev Nephrol 17, 153–171, (2021).

Capítulo 4: ¿Cómo actúan los alimentos que prolongan la vida y la salud?

1. Meier HCS, Mitchell C, Karadimas T, Faul JD. Systemic inflammation and biological aging in the Health and Retirement Study. Geroscience. 2023 Dec;45(6):3257-3265
2. Kennedy BK, Berger SL, Brunet A, Campisi J, Cuervo AM, Epel ES, Franceschi C, Lithgow GJ, Morimoto RI, Pessin JE, Rando TA, Richardson A, Schadt EE, Wyss-Coray T, Sierra F. Geroscience: linking aging to chronic disease. Cell. 2014 Nov 6;159(4):709-13
3. Furman D, Campisi J, Verdin E, Carrera-Bastos P, Targ S, Franceschi C, Ferrucci L, Gilroy DW, Fasano A, Miller GW, Miller AH, Mantovani A, Weyand CM, Barzilai N, Goronzy JJ, Rando TA, Effros RB, Lucia A, Kleinstreuer N, Slavich GM. Chronic inflammation in the etiology of disease across the life span. Nat Med. 2019 Dec;25(12):1822-1832

4. Pahwa R, Goyal A, Jialal I. Chronic Inflammation. 2023 Aug 7. En: StatPearls [Internet]. Treasure Island (FL): StatPearls Publicado; 2024 Ene–. PMID: 29630225
5. Stromsnes K, Correas AG, Lehmann J, Gambini J, Olaso-Gonzalez G. Anti-Inflammatory Properties of Diet: Role in Healthy Aging. Biomedicines. 2021 Jul 30;9(8):922.
6. Panickar, K. S., & Jewell, D. E. (2015). The beneficial role of anti-inflammatory dietary ingredients in attenuating markers of chronic low-grade inflammation in aging. Hormone Molecular Biology and Clinical Investigation, 23 (2).
7. Murray CJ, Atkinson C, et al. U.S. Burden of Disease Collaborators. The state of US health, 1990-2010: burden of diseases, injuries, and risk factors. JAMA. 2013 Aug 14;310(6):591-608
8. Alkadi H. A Review on Free Radicals and Antioxidants. Infect Disord Drug Targets. 2020;20(1):16-26.
9. Pahwa R, Goyal A, Jialal I. Chronic Inflammation. 2023 Aug 7. En: StatPearls [Internet]. Treasure Island (FL): StatPearls Publicado; 2024 Ene–. PMID: 29630225
10. Darvin, M. E., Patzelt, A., Knorr, F., Blume-Peytavi, U., Sterry, W., Lademann, J., «One-year study on the variation of carotenoid antioxidant substances in living human skin: influence of dietary supplementation and stress factors», en J Biomed Opt.,2008:13(4), 044028.
11. Hertiš Petek T, Petek T, Močnik M, Marčun Varda N. Systemic Inflammation, Oxidative Stress and Cardiovascular Health in Children and Adolescents: A Systematic Review. Antioxidants (Basel). 2022 Apr 30;11(5):894
12. Furman D, et al. Chronic inflammation in the etiology of disease across the life span. Nat Med. 2019 Dec;25(12):1822-1832
13. Szarc vel Szic K, Declerck K, Vidaković M, Vanden Berghe W. From inflammaging to healthy aging by dietary lifestyle choices: is epigenetics the key to personalized nutrition? Clin Epigenetics. 2015 Mar 25; 7 (1): 33.
14. Furman D, et al. Chronic inflammation in the etiology of disease across the life span. Nat Med. 2019 Dec;25(12):1822-1832
15. Panickar, K. S., & Jewell, D. E. (2015). The beneficial role of anti-inflammatory dietary ingredients in attenuating markers of chronic low-grade inflammation in aging. Hormone Molecular Biology and Clinical Investigation,23(2).
16. Shivappa N, et al. Designing and developing a literature-derived, population-based dietary inflammatory index. Public Health Nutr. 2014 Aug; 17 (8): 1689-96.
17. de Mello RN, de Gois BP, Kravchychyn ACP, Dâmaso AR, Horst MA, Lima GC, Corgosinho FC. Dietary inflammatory index and its relation to the pathophysiological aspects of obesity: a narrative review. Arch Endocrinol Metab. 2023 Jun 19;67(6):e000631.
18. (Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31.
19. Marx W, Veronese N, Kelly JT, Smith L, Hockey M, Collins S, Trakman GL, Hoare E, Teasdale SB, Wade A, Lane M, Aslam H, Davis JA, O'Neil A, Shivappa N, Hebert JR, Blekkenhorst LC, Berk M, Segasby T, Jacka F. The Dietary Inflammatory Index and Human Health: An Umbrella Review of Meta-Analyses of Observational Studies. Adv Nutr. 2021 Oct 1;12(5):1681-1690.
20. Carlsen MH, Halvorsen BL, Holte K, Bøhn SK, Dragland S, Sampson L, Willey C, Senoo H, Umezono Y, Sanada C, Barikmo I, Berhe N, Willett WC, Phillips KM, Jacobs DR Jr, Blomhoff R. The total antioxidant

content of more than 3100 foods, beverages, spices, herbs and supplements used worldwide. Nutr J. 2010 Jan 22;9:3. doi: 10.1186/1475-2891-9-3.

21. GBD 2017 DALYs and HALE Collaborators. Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2018 Nov 10;392(10159):1859-1922.
22. Sikorski C, Yang S, Stennett R, Miller V, Teo K, Anand SS, Paré G, Yusuf S, Dehghan M, Mente A. Changes in energy, macronutrient, and food consumption in 47 countries over the last 70 years (1950-2019): a systematic review and meta-analysis. Nutrition. 2023 Apr; 108: 111941.
23. Chakravarty EF, Hubert HB, Krishnan E, Bruce BB, Lingala VB, Fries JF. Lifestyle risk factors predict disability and death in healthy aging adults. Am J Med. 2012 Feb;125(2):190-7.
24. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31.
25. Lefevre, M., Jonnalagadda, S., «Effect of whole grains on markers of subclinical infl ammation», en Nutr Rev., 70 (7), 2012, pp. 387–396.
26. Kharaty S, Harrington JM, Millar SR, Perry IJ, Phillips CM. Plant-based dietary indices and biomarkers of chronic low-grade inflammation: a cross-sectional analysis of adults in Ireland. Eur J Nutr. 2023 Dec;62(8): 3397-3410.
27. Prior, R. L., Gu, L., Wu, X., et al., «Plasma antioxidant capacity changes following a meal as a measure of the ability of a food to alter in vivo antioxidant status», en J Am Coll Nutr., 26(2), 2007, pp. 170–181.
28. Reddy VP, Aryal P, Darkwah EK. Advanced Glycation End Products in Health and Disease. Microorganisms. 2022 Sep 15;10(9):1848
29. Reddy VP, Aryal P, Darkwah EK. Advanced Glycation End Products in Health and Disease. Microorganisms. 2022 Sep 15;10(9):1848.
30. Raposeiras-Roubín, S. Advanced glycation end-products: new markers of renal dysfunction in patients with chronic heart failure. Med Clin (Barc). 2011;136(12):513–52.
31. Uribarri J, Woodruff S, Goodman S, Cai W, Chen X, Pyzik R, Yong A, Striker GE, Vlassara H. Advanced glycation end products in foods and a practical guide to their reduction in the diet. J Am Diet Assoc. 2010 Jun; 110 (6):911-16. e12.
32. Van Puyvelde K, Mets T, Njemini R, Beyer I, Bautmans I. Effect of advanced glycation end product intake on inflammation and aging: a systematic review. Nutr Rev. 2014 Oct;72(10):638-50).
33. Zgutka K, Tkacz M, Tomasiak P, Tarnowski M. A Role for Advanced Glycation End Products in Molecular Ageing. Int J Mol Sci. 2023 Jun 8;24(12):9881.
34. Uribarri J, Woodruff S, Goodman S, Cai W, Chen X, Pyzik R, Yong A, Striker GE, Vlassara H. Advanced glycation end products in foods and a practical guide to their reduction in the diet. J Am Diet Assoc. 2010 Jun;110(6):911-16. e12.
35. Álvarez J, Fernández Real JM, Guarner F, Gueimonde M, Rodríguez JM, Saenz de Pipaon M, Sanz Y. Gut microbes and health. Gastroenterol Hepatol. 2021 Aug-Sep;44(7):519-535.
36. Vijay A, Valdes AM. Role of the gut microbiome in chronic diseases: a narrative review. Eur J Clin Nutr. 2022 Apr;76(4):489-501.
37. Vijay A, et al. Role of the gut microbiome in chronic diseases: a narrative review. Eur J Clin Nutr. 2022 Apr;76(4):489-501.

38. Fan Y, Pedersen O. Gut microbiota in human metabolic health and disease. Nat Rev Microbiol. 2021 Jan; 19 (1): 55-71.
39. Perler BK, Friedman ES, Wu GD. The Role of the Gut Microbiota in the Relationship Between Diet and Human Health. Annu Rev Physiol. 2023 Feb 10; 85:449-468)
40. Kirschner SK, et al. Intestinal dysfunction in chronic disease. Curr Opin Clin Nutr Metab Care. 2021 Sep 1;24(5) 464-472.
41. Santilli A, Stefanopoulos S, Cresci GAM. The gut barrier and chronic diseases. Curr Opin Clin Nutr Metab Care. 2022 May 1;25(3):178-185
42. Fan Y, Pedersen O. Gut microbiota in human metabolic health and disease. Nat Rev Microbiol. 2021 Jan; 19 (1): 55-71.
43. Nie Q, Sun Y, Li M, Zuo S, Chen C, Lin Q, Nie S. Targeted modification of gut microbiota and related metabolites via dietary fiber. Carbohydr Polym. 2023 Sep 15; 316:120986.
44. Zhang P. Influence of Foods and Nutrition on the Gut Microbiome and Implications for Intestinal Health. Int J Mol Sci. 2022 Aug 24;23(17):9588.
45. Djuric Z. Dietary approaches for normalizing dysbiosis induced by high-fat, obesogenic diets. Curr Opin Clin Nutr Metab Care. 2023 May 1;26(3) 293-301.
46. Fan Y, Pedersen O. Gut microbiota in human metabolic health and disease. Nat Rev Microbiol. 2021 Jan; 19(1):55-71.

Capítulo 5: ¿Cuáles son los mejores alimentos?

1. Fardet A, Boirie Y. Associations between food and beverage groups and major diet-related chronic diseases: an exhaustive review of pooled/meta-analyses and systematic reviews. Nutr Rev. 2014;72(12):741-62
2. Martínez-González MA, Sánchez-Tainta A, Corella D, et al. A provegetarian food pattern and reduction in total mortality in the Prevención con Dieta Mediterránea (PREDIMED) study. Am J Clin Nutr. 2014;100 Suppl 1:320S-8S
3. Satija A, Bhupathiraju SN, Rimm EB, et al. Plant-based dietary patterns and incidence of type 2 diabetes in US men and women: results from three prospective cohort studies. PLoS Med. 2016;13(6):e1002039
4. Rosenfeld RM, Juszczak HM, Wong MA. Scoping review of the association of plant-based diet quality with health outcomes. Front Nutr. 2023 Aug 10;10:1211535. doi: 10.3389/fnut.2023.1211535
5. Jarvis SE, Nguyen M, Malik VS. Association between adherence to plant-based dietary patterns and obesity risk: a systematic review of prospective cohort studies. Appl Physiol Nutr Metab. 2022 Dec 1;47(12):1115-1133
6. Lee K, Kim H, Rebholz CM, Kim J. Association between Different Types of Plant-Based Diets and Risk of Dyslipidemia: A Prospective Cohort Study. Nutrients. 2021 Jan 14;13(1):220
7. Kim J, Kim H, Giovannucci EL. Plant-based diet quality and the risk of total and disease-specific mortality: A population-based prospective study. Clin Nutr. 2021 Dec;40(12):5718-5725

8. Kim H, Lee K, Rebholz CM, Kim J. Plant-based diets and incident metabolic syndrome: Results from a South Korean prospective cohort study. PLoS Med. 2020 Nov 18;17(11):e1003371
9. Kim J, Kim H, Giovannucci EL. Quality of plant-based diets and risk of hypertension: a Korean genome and examination study. Eur J Nutr. 2021 Oct;60(7):3841-3851
10. Hemler EC, Hu FB. Plant-Based Diets for Cardiovascular Disease Prevention: All Plant Foods Are Not Created Equal. Curr Atheroscler Rep. 2019 Mar 20;21(5):18
11. Huang Y, Li X, Zhang T, Zeng X, Li M, Li H, Yang H, Zhang C, Zhou Z, Zhu Y, Tang M, Zhang Z, Yang W. Associations of healthful and unhealthful plant-based diets with plasma markers of cardiometabolic risk. Eur J Nutr. 2023 Sep;62(6):2567-2579
12. Curlin D, Hare ME, Tolley EA, Gatwood J. Plant-based dietary patterns and fasting insulin: a cross-sectional study from NHANES 2017-2018. BMC Nutr. 2023 Nov 3;9(1):122)
13. Kharaty S, Harrington JM, Millar SR, Perry IJ, Phillips CM. Plant-based dietary indices and biomarkers of chronic low-grade inflammation: a cross-sectional analysis of adults in Ireland. Eur J Nutr. 2023 Dec;62(8):3397-3410
14. Jakše B, Jakše B, Pinter S, et al. Dietary Intakes and Cardiovascular Health of Healthy Adults in Short-, Medium-, and Long-Term Whole-Food Plant-Based Lifestyle Program. Nutrients. 2019;12(1):55
15. (Lin CL, Wang JH, Chang CC, Chiu THT, Lin MN. Vegetarian Diets and Medical Expenditure in Taiwan-A Matched Cohort Study. Nutrients. 2019;11(11):2688)
16. Dong C, Bu X, Liu J, Wei L, Ma A, Wang T. Cardiovascular disease burden attributable to dietary risk factors from 1990 to 2019: A systematic analysis of the Global Burden of Disease study. Nutr Metab Cardiovasc Dis. 2022 Apr;32(4):897-907

Capítulo 6: Enfermedades cardiovasculares

1. Ahmad FB, Anderson RN. The Leading Causes of Death in the US for 2020. JAMA. 2021 May 11;325(18):1829-1830
2. Dong C, Bu X, Liu J, Wei L, Ma A, Wang T. Cardiovascular disease burden attributable to dietary risk factors from 1990 to 2019: A systematic analysis of the Global Burden of Disease study. Nutr Metab Cardiovasc Dis. 2022 Apr;32(4):897-907
3. Libre acceso en: https://www.world-stroke.org/assets/downloads/WSO_Global_Stroke_Fact_Sheet.pdf
4. Global Cardiovascular Risk Consortium. Global Effect of Modifiable Risk Factors on Cardiovascular Disease and Mortality. N Engl J Med. 2023 Oct 5;389(14):1273-1285
5. Dong C, Bu X, Liu J, Wei L, Ma A, Wang T. Cardiovascular disease burden attributable to dietary risk factors from 1990 to 2019: A systematic analysis of the Global Burden of Disease study. Nutr Metab Cardiovasc Dis. 2022 Apr;32(4):897-907

6. Micha R, Peñalvo JL, Cudhea F, Imamura F, Rehm CD, Mozaffarian D. Association Between Dietary Factors and Mortality From Heart Disease, Stroke, and Type 2 Diabetes in the United States. JAMA. 2017 Mar 7;317(9):912-924.
7. GBD 2017 Diet Collaborators. Health effects of dietary risks in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2019 May 11;393(10184):1958-1972
8. Fang Y, Xia J, Lian Y, Zhang M, Kang Y, Zhao Z, Wang L, Yin P, Wang Z, Ye C, Zhou M, He Y. The burden of cardiovascular disease attributable to dietary risk factors in the provinces of China, 2002-2018: a nationwide population-based study. Lancet Reg Health West Pac. 2023 May 8;37:100784
9. Kovell LC, Yeung EH, Miller ER 3rd, Appel LJ, Christenson RH, Rebuck H, Schulman SP, Juraschek SP. Healthy diet reduces markers of cardiac injury and inflammation regardless of macronutrients: Results from the OmniHeart trial. Int J Cardiol. 2020 Jan 15;299:282-288
10. Boyalla V, Gallego-Colon E, Spartalis M. Immunity and inflammation in cardiovascular disorders. BMC Cardiovasc Disord. 2023 Mar 23;23(1):148
11. Van Linthout S, Tschöpe C. Inflammation - Cause or Consequence of Heart Failure or Both? Curr Heart Fail Rep. 2017 Aug;14(4):251-265
12. Wei T, Liu J, Zhang D, Wang X, Li G, Ma R, Chen G, Lin X, Guo X. The Relationship Between Nutrition and Atherosclerosis. Front Bioeng Biotechnol. 2021 Apr 19;9:635504
13. Yokoyama Y, Levin SM, Barnard ND. Association between plant-based diets and plasma lipids: a systematic review and meta-analysis. Nutr Rev. 2017;75(9):683–98
14. Menzel J, Biemann R, Longree A, Isermann B, Mai K, Schulze MB, et al. Associations of a vegan diet with infammatory biomarkers. Sci Rep. 2020;10(1):1933
15. Milanlouei S, Menichetti G, Li Y, Loscalzo J, Willett WC, Barabási AL. A systematic comprehensive longitudinal evaluation of dietary factors associated with acute myocardial infarction and fatal coronary heart disease. Nat Commun. 2020 Nov 27;11(1):6074
16. Ornish D, Scherwitz LW, Billings JH, Brown SE, Gould KL, Merritt TA, Sparler S, Armstrong WT, Ports TA, Kirkeeide RL, Hogeboom C, Brand RJ. Intensive lifestyle changes for reversal of coronary heart disease. JAMA. 1998 Dec 16;280(23):2001-7
17. Esselstyn CB Jr. Is the present therapy for coronary artery disease the radical mastectomy of the twenty-first century? Am J Cardiol. 2010 Sep 15;106(6):902-4
18. Satija A, Bhupathiraju SN, Spiegelman D, Chiuve SE, Manson JE, Willett W, et al. Healthful and unhealthful plant-based diets and the risk of coronary heart disease in U.S. adults. J Am Coll Cardiol. 2017;70(4):411–22
19. Kwok CS, Umar S, Myint PK, Mamas MA, Loke YK. Vegetarian diet, seventh day Adventists and risk of cardiovascular mortality: a systematic review and meta-analysis. Int J Cardiol. 2014;176(3):680–6
20. Sala-Vila A, Romero-Mamani ES, Gilabert R, Núñez I, de la Torre R, Corella D, Ruiz-Gutiérrez V, López-Sabater MC, Pintó X, Rekondo J, Martínez-González MÁ, Estruch R, Ros E. Changes in ultrasound-assessed carotid intima-media thickness and plaque with a Mediterranean diet: a substudy of the PREDIMED trial. Arterioscler Thromb Vasc Biol. 2014 Feb;34(2):439-45
21. Hooper L, Martin N, Jimoh OF, Kirk C, Foster E, Abdelhamid AS. Reduction in saturated fat intake for cardiovascular disease. Cochrane Database Syst Rev. 2020 May 19;5(5):CD011737
22. Hooper L, Martin N, Jimoh OF, Kirk C, Foster E, Abdelhamid AS. Reduction in saturated fat intake for cardiovascular disease. Cochrane Database Syst Rev. 2020 May 19;5(5):CD011737

23. Visseren FLJ, et al; ESC National Cardiac Societies; ESC Scientific Document Group. 2021 ESC Guidelines on cardiovascular disease prevention in clinical practice. Eur Heart J. 2021 Sep 7;42(34):3227-3337
24. Satija A, Bhupathiraju SN, Spiegelman D, Chiuve SE, Manson JE, Willett W, et al. Healthful and unhealthful plant-based diets and the risk of coronary heart disease in U.S. adults. J Am Coll Cardiol. 2017;70(4):411–22
25. Seidelmann SB, Claggett B, Cheng S, Henglin M, Shah A, Steffen LM, Folsom AR, Rimm EB, Willett WC, Solomon SD. Dietary carbohydrate intake and mortality: a prospective cohort study and meta-analysis. Lancet Public Health. 2018 Sep;3(9):e419-e428
26. Vogel RA, Corretti MC, Plotnick GD. Effect of a single high-fat meal on endothelial function in healthy subjects. Am J Cardiol. 1997 Feb 1;79(3):350-4
27. Hennig B, Toborek M, McClain CJ. High-energy diets, fatty acids and endothelial cell function: implications for atherosclerosis. J Am Coll Nutr. 2001 Apr;20(2 Suppl):97-105
28. Lee IK, Kim HS, Bae JH. Endothelial dysfunction: its relationship with acute hyperglycaemia and hyperlipidemia. Int J Clin Pract Suppl. 2002 Jul;(129):59-64
29. Lind L. Lipids and endothelium-dependent vasodilation--a review. Lipids. 2002 Jan;37(1):1-15
30. Erridge C. The capacity of foodstuffs to induce innate immune activation of human monocytes in vitro is dependent on food content of stimulants of Toll-like receptors 2 and 4. Br J Nutr. 2011 Jan;105(1):15-23
31. Ornish D, Scherwitz LW, Billings JH, Brown SE, Gould KL, Merritt TA, Sparler S, Armstrong WT, Ports TA, Kirkeeide RL, Hogeboom C, Brand RJ. Intensive lifestyle changes for reversal of coronary heart disease. JAMA. 1998 Dec 16;280(23):2001-7.
32. Ornish D, Scherwitz LW, Doody RS, Kesten D, McLanahan SM, Brown SE, DePuey E, Sonnemaker R, Haynes C, Lester J, McAllister GK, Hall RJ, Burdine JA, Gotto AM Jr. Effects of stress management training and dietary changes in treating ischemic heart disease. JAMA. 1983 Jan 7;249(1):54-9
33. Kerley CP. Dietary patterns and components to prevent and treat heart failure: a comprehensive review of human studies. Nutr Res Rev. 2019 Jun;32(1):1-27
34. Kerley CP. A Review of Plant-based Diets to Prevent and Treat Heart Failure. Card Fail Rev. 2018 May;4(1):54-61
35. Richter CK, Skulas-Ray AC, Champagne CM, Kris-Etherton PM. Plant protein and animal proteins: do they differentially affect cardiovascular disease risk? Adv Nutr. 2015 Nov 13;6(6):712-28
36. Razavi AC, Bazzano LA, He J, Whelton SP, Fernandez C, Ley S, Qi L, Krousel-Wood M, Harlan TS, Kelly TN. Consumption of animal and plant foods and risk of left ventricular diastolic dysfunction: the Bogalusa Heart Study. ESC Heart Fail. 2020 Oct;7(5):2700-2710
37. Petermann-Rocha F, Parra-Soto S, Gray S, Anderson J, Welsh P, Gill J, Sattar N, Ho FK, Celis-Morales C, Pell JP. Vegetarians, fish, poultry, and meat-eaters: who has higher risk of cardiovascular disease incidence and mortality? A prospective study from UK Biobank. Eur Heart J. 2021 Mar 21;42(12):1136-1143
38. Libre acceso en: https://www.health.harvard.edu/blog/when-it-comes-to-cholesterol-levels-white-meat-may-be-no-better-than-red-meat-and-plant-based-protein-beats-both-2019082217550
39. Bergeron N, Chiu S, Williams PT, M King S, Krauss RM. Effects of red meat, white meat, and nonmeat protein sources on atherogenic lipoprotein measures in the context of low compared with high saturated fat intake: a randomized controlled trial. Am J Clin Nutr. 2019 Jul 1;110(1):24-33
40. Kearney PM et al. Global burden of hypertension: analysis of worldwide data. Lancet 2005; 365: 217–223

41. Global Cardiovascular Risk Consortium. Global Effect of Modifiable Risk Factors on Cardiovascular Disease and Mortality. N Engl J Med. 2023 Oct 5;389(14):1273-1285
42. Ozemek C, Laddu DR, Arena R, Lavie CJ. The role of diet for prevention and management of hypertension. Curr Opin Cardiol. 2018 Jul;33(4):388-393).
43. Lu Q, Zhang Y, Geng T, Yang K, Guo K, Min X, He M, Guo H, Zhang X, Yang H, Wu T, Pan A, Liu G. Association of Lifestyle Factors and Antihypertensive Medication Use With Risk of All-Cause and Cause-Specific Mortality Among Adults With Hypertension in China. JAMA Netw Open. 2022 Feb 1;5(2):e2146118
44. Ozemek C, Laddu DR, Arena R, Lavie CJ. The role of diet for prevention and management of hypertension. Curr Opin Cardiol. 2018 Jul;33(4):388-393
45. Borgi L, Curhan GC, Willett WC, Hu FB, Satija A, Forman JP. Long-term intake of animal flesh and risk of developing hypertension in three prospective cohort studies. J Hypertens. 2015 Nov;33(11):2231-8.
46. Schwingshackl L, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, Andriolo V, Bechthold A, Schlesinger S, Boeing H. Food Groups and Risk of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2017 Nov 15;8(6):793-803
47. Schwingshackl L, Schwedhelm C, Hoffmann G, Knüppel S, Iqbal K, Andriolo V, Bechthold A, Schlesinger S, Boeing H. Food Groups and Risk of Hypertension: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2017 Nov 15;8(6):793-803
48. Steffen LM, Kroenke CH, Yu X, Pereira MA, Slattery, ML, Van Horn L, et al. Associations of plant food, dairy product, and meat intakes with 15-y incidence of elevated blood pressure in young black and white adults: the Coronary Artery Risk Development in Young Adults (CARDIA) Study. Am J Clin Nutr. 2005;82(6):1169–77; quiz 1363–4
49. Ndanuko RN, Tapsell LC, Charlton KE, Neale EP, Batterham MJ. Dietary Patterns and Blood Pressure in Adults: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Adv Nutr. 2016 Jan 15;7(1):76-89.
50. Gonzalez JT. Are all sugars equal? Role of the food source in physiological responses to sugars with an emphasis on fruit and fruit juice. Eur J Nutr. 2024 Mar 16.
51. Ojangba T, Boamah S, Miao Y, Guo X, Fen Y, Agboyibor C, Yuan J, Dong W. Comprehensive effects of lifestyle reform, adherence, and related factors on hypertension control: A review. J Clin Hypertens (Greenwich). 2023 Jun;25(6):509-520.
52. Leading Causes of Death [Internet]. 2020 [cited 2020 Sep 13]. https://www.cdc.gov/nchs/fastats/leading-causes-of-death.htm
53. O'Donnell MJ, Chin SL, Rangarajan S, Xavier D, Liu L, Zhang H, et al. Global and regional effects of potentially modifiable risk factors associated with acute stroke in 32 countries (INTERSTROKE): a case-control study. Lancet. 2016;388(10046):761–75
54. Yokoyama Y, Nishimura K, Barnard ND, Takegami M, Watanabe M, Sekikawa A, et al. Vegetarian Diets and Blood Pressure [Internet]. Vol. 174, JAMA Internal Medicine. 2014. p. 577.
55. Hu D, Huang J, Wang Y, Zhang D, Qu Y. Fruits and vegetables consumption and risk of stroke: a meta-analysis of prospective cohort studies. Stroke. 2014;45(6):1613–9
56. Chiu THT, Chang HR, Wang LY, Chang CC, Lin MN, Lin CL. Vegetarian diet and incidence of total, ischemic, and hemorrhagic stroke in 2 cohorts in Taiwan. Neurology. 2020 Mar 17;94(11):e1112-e1121

57. Threapleton DE, Greenwood DC, Evans CE, Cleghorn CL, Nykjaer C, Woodhead C, Cade JE, Gale CP, Burley VJ. Dietary fiber intake and risk of first stroke: a systematic review and meta-analysis. Stroke. 2013 May;44(5):1360-8
58. Guo, N., Zhu, Y., Tian, D. et al. Role of diet in stroke incidence: an umbrella review of meta-analyses of prospective observational studies. BMC Med. 2022, 20, 194
59. Sherzai A, Heim LT, Boothby C, Sherzai AD. Stroke, food groups, and dietary patterns: a systematic review. Nutr Rev. 2012 Aug;70(8):423-35
60. Deng C, Lu Q, Gong B, Li L, Chang L, Fu L, Zhao Y. Stroke and food groups: an overview of systematic reviews and meta-analyses. Public Health Nutr. 2018 Mar;21(4):766-776
61. Bechthold A, et al. Food groups and risk of coronary heart disease, stroke and heart failure: A systematic review and dose-response meta-analysis of prospective studies. Crit Rev Food Sci Nutr. 2019;59(7):1071-1090
62. Zhao W, Tang H, Yang X, Luo X, Wang X, Shao C, He J. Fish Consumption and Stroke Risk: A Meta-Analysis of Prospective Cohort Studies. J Stroke Cerebrovasc Dis. 2019 Mar;28(3):604-611
63. Larsson SC, Orsini N. Fish consumption and the risk of stroke: a dose-response meta-analysis. Stroke. 2011 Dec;42(12):3621-3
64. Mozaffarian D, Longstreth WT Jr, Lemaitre RN, Manolio TA, Kuller LH, Burke GL, Siscovick DS. Fish consumption and stroke risk in elderly individuals: the cardiovascular health study. Arch Intern Med. 2005 Jan 24;165(2):200-6.
65. Qin ZZ, Xu JY, Chen GC, Ma YX, Qin LQ. Effects of fatty and lean fish intake on stroke risk: a meta-analysis of prospective cohort studies. Lipids Health Dis. 2018 Nov 23;17(1):264
66. Petermann-Rocha F, Parra-Soto S, Gray S, Anderson J, Welsh P, Gill J, Sattar N, Ho FK, Celis-Morales C, Pell JP. Vegetarians, fish, poultry, and meat-eaters: who has higher risk of cardiovascular disease incidence and mortality? A prospective study from UK Biobank. Eur Heart J. 2021 Mar 21;42(12):1136-1143.
67. Mozaffarian D, Longstreth WT Jr, Lemaitre RN, Manolio TA, Kuller LH, Burke GL, Siscovick DS. Fish consumption and stroke risk in elderly individuals: the cardiovascular health study. Arch Intern Med. 2005 Jan 24;165(2):200-6.
68. Krittanawong C, Isath A, Hahn J, Wang Z, Narasimhan B, Kaplin SL, Jneid H, Virani SS, Tang WHW. Fish Consumption and Cardiovascular Health: A Systematic Review. Am J Med. 2021 Jun;134(6):713-720.
69. Mozaffarian D, Gottdiener JS, Siscovick DS. Intake of tuna or other broiled or baked fish versus fried fish and cardiac structure, function, and hemodynamics. Am J Cardiol. 2006 Jan 15;97(2):216-22.
70. Rodríguez-Ayala M, Banegas JR, Ortolá R, Gorostidi M, Donat-Vargas C, Rodríguez-Artalejo F, Guallar-Castillón P. Cooking methods are associated with inflammatory factors, renal function, and other hormones and nutritional biomarkers in older adults. Sci Rep. 2022 Oct 1;12(1):16483
71. Tang H, Cao Y, Yang X, Zhang Y. Egg Consumption and Stroke Risk: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Front Nutr. 2020 Sep 8;7:153.
72. Godos J, Micek A, Brzostek T, Toledo E, Iacoviello L, Astrup A, Franco OH, Galvano F, Martinez-Gonzalez MA, Grosso G. Egg consumption and cardiovascular risk: a dose-response meta-analysis of prospective cohort studies. Eur J Nutr. 2021 Jun;60(4):1833-1862
73. Mousavi SM, et al. Egg Consumption and Risk of All-Cause and Cause-Specific Mortality: A Systematic Review and Dose-Response Meta-analysis of Prospective Studies. Adv Nutr. 2022 Oct 2;13(5):1762-1773

74. Godos J, et al. Egg consumption and cardiovascular risk: a dose-response meta-analysis of prospective cohort studies. Eur J Nutr. 2021 Jun;60(4):1833-1862
75. Mousavi SM, et al. Egg Consumption and Risk of All-Cause and Cause-Specific Mortality: A Systematic Review and Dose-Response Meta-analysis of Prospective Studies. Adv Nutr. 2022 Oct 2;13(5):1762-1773
76. Mozaffarian D. Dietary and Policy Priorities for Cardiovascular Disease, Diabetes, and Obesity: A Comprehensive Review. Circulation. 2016 Jan 12;133(2):187-225
77. Cena H, Calder PC. Defining a Healthy Diet: Evidence for The Role of Contemporary Dietary Patterns in Health and Disease. Nutrients. 2020 Jan 27;12(2):334
78. Tang H, Cao Y, Yang X, Zhang Y. Egg Consumption and Stroke Risk: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Front Nutr. 2020 Sep 8;7:153
79. Tong TYN, Appleby PN, Bradbury KE, Perez-Cornago A, Travis RC, Clarke R, Key TJ. Risks of ischaemic heart disease and stroke in meat eaters, fish eaters, and vegetarians over 18 years of follow-up: results from the prospective EPIC-Oxford study. BMJ. 2019 Sep 4;366:l4897
80. Cogswell ME, Zhang Z, Carriquiry AL, Gunn JP, Kuklina EV, Saydah SH, Yang Q, Moshfegh AJ. Sodium and potassium intakes among US adults: NHANES 2003-2008. Am J Clin Nutr. 2012 Sep;96(3):647-57
81. Vaudin A, Wambogo E, Moshfegh AJ, Sahyoun NR. Sodium and Potassium Intake, the Sodium to Potassium Ratio, and Associated Characteristics in Older Adults, NHANES 2011-2016. J Acad Nutr Diet. 2022 Jan;122(1):64-77
82. Eaton SB, Eaton III SB . Paleolithic vs modern diets—selected pathophysiological implications. Eur J Nutr 2000; 39: 67–70
83. Barco Leme AC, et al. Food Sources of Shortfall Nutrients among Latin Americans: Results from the Latin American Study of Health and Nutrition (ELANS). Int J Environ Res Public Health. 2021 May 7;18(9):4967.
84. Weaver CM. Potassium and health. Adv Nutr. 2013 May 1;4(3):368S-77S.
85. Vinceti M, Filippini T, Crippa A, de Sesmaisons A, Wise LA, Orsini N. Meta-Analysis of Potassium Intake and the Risk of Stroke. J Am Heart Assoc. 2016 Oct 6;5(10):e004210
86. Hunt BD, Cappuccio FP. Potassium intake and stroke risk: a review of the evidence and practical considerations for achieving a minimum target. Stroke. 2014 May;45(5):1519-22
87. Karppanen H, Karppanen P, Mervaala E. Why and how to implement sodium, potassium, calcium, and magnesium changes in food items and diets? J Hum Hypertens. 2005 Dec;19 Suppl 3:S10-9.
88. Weaver CM. Potassium and health. Adv Nutr. 2013 May 1;4(3):368S-77S.
89. D'Elia L, Barba G, Cappuccio FP, Strazzullo P. Potassium intake, stroke, and cardiovascular disease a meta-analysis of prospective studies. J Am Coll Cardiol. 2011 Mar 8;57(10):1210-9
90. Kearney PM et al. Global burden of hypertension: analysis of worldwide data. Lancet 2005; 365: 217–223
91. Barco Leme AC, et al. Food Sources of Shortfall Nutrients among Latin Americans: Results from the Latin American Study of Health and Nutrition (ELANS). Int J Environ Res Public Health. 2021 May 7;18(9):4967.
92. Karppanen H, Karppanen P, Mervaala E. Why and how to implement sodium, potassium, calcium, and magnesium changes in food items and diets? J Hum Hypertens. 2005 Dec;19 Suppl 3:S10-9.
93. Weaver CM. Potassium and health. Adv Nutr. 2013 May 1;4(3):368S-77S.

Capítulo 7: Enfermedades metabólicas

1. Delarue J, Magnan C. Free fatty acids and insulin resistance. Curr Opin Clin Nutr Metab Care. 2007 Mar;10(2):142-8
2. Li M, Chi X, Wang Y, Setrerrahmane S, Xie W, Xu H. Trends in insulin resistance: insights into mechanisms and therapeutic strategy. Signal Transduct Target Ther. 2022 Jul 6;7(1):216
3. Mukherjee B, Hossain CM, Mondal L, Paul P, Ghosh MK. Obesity and insulin resistance: an abridged molecular correlation. Lipid Insights. 2013 Apr 1;6:1-11
4. Delpino FM, Figueiredo LM, Bielemann RM, da Silva BGC, Dos Santos FS, Mintem GC, Flores TR, Arcêncio RA, Nunes BP. Ultra-processed food and risk of type 2 diabetes: a systematic review and meta-analysis of longitudinal studies. Int J Epidemiol. 2022 Aug 10;51(4):1120-1141
5. Maya K. Vadiveloo, Christopher D. Gardner; Not All Ultra-Processed Foods Are Created Equal: A Case for Advancing Research and Policy That Balances Health and Nutrition Security. Diabetes Care 1 July 2023; 46 (7): 1327–1329
6. Chen Z, Khandpur N, Desjardins C, Wang L, Monteiro CA, Rossato SL, Fung TT, Manson JE, Willett WC, Rimm EB, Hu FB, Sun Q, Drouin-Chartier JP. Ultra-Processed Food Consumption and Risk of Type 2 Diabetes: Three Large Prospective U.S. Cohort Studies. Diabetes Care. 2023 Jul 1;46(7):1335-1344
7. Hu Y, Ding M, Sampson L, et al. Intake of whole grain foods and risk of type 2 diabetes: results from three prospective cohort studies. BMJ 2020;370:m2206
8. Tonstad S, Stewart K, Oda K, Batech M, Herring RP, Fraser GE. Vegetarian diets and incidence of diabetes in the Adventist Health Study-2. Nutr Metab Cardiovasc Dis. 2013 Apr;23(4):292-9
9. Tonstad S, Butler T, Yan R, Fraser GE. Type of vegetarian diet, body weight, and prevalence of type 2 diabetes. Diabetes Care 2009;32:791–6
10. Jardine MA, Kahleova H, Levin SM, Ali Z, Trapp CB, Barnard ND. Perspective: Plant-Based Eating Pattern for Type 2 Diabetes Prevention and Treatment: Efficacy, Mechanisms, and Practical Considerations. Adv Nutr. 2021 Dec 1;12(6):2045-2055
11. Schwingshackl L, Hoffmann G, Lampousi AM, Knüppel S, Iqbal K, Schwedhelm C, Bechthold A, Schlesinger S, Boeing H. Food groups and risk of type 2 diabetes mellitus: a systematic review and meta-analysis of prospective studies. Eur J Epidemiol. 2017 May;32(5):363-375
12. Sabaté J, Burkholder-Cooley NM, Segovia-Siapco G, Oda K, Wells B, Orlich MJ, Fraser GE. Unscrambling the relations of egg and meat consumption with type 2 diabetes risk. Am J Clin Nutr. 2018 Nov 1;108(5):1121-1128
13. Drouin-Chartier JP, et al. Egg consumption and risk of type 2 diabetes: findings from 3 large US cohort studies of men and women and a systematic review and meta-analysis of prospective cohort studies. Am J Clin Nutr. 2020 Sep 1;112(3):619-630
14. Wang Y, Li M, Shi Z. Higher egg consumption associated with increased risk of diabetes in Chinese adults - China Health and Nutrition Survey. Br J Nutr. 2021 Jul 14;126(1):110-117
15. Djoussé L, et al. Egg consumption, overall diet quality, and risk of type 2 diabetes and coronary heart disease: A pooling project of US prospective cohorts. Clin Nutr. 2021 May;40(5):2475-2482

16. Djoussé L, Khawaja OA, Gaziano JM. Egg consumption and risk of type 2 diabetes: a meta-analysis of prospective studies. Am J Clin Nutr. 2016 Feb;103(2):474-80
17. Sabaté J, Burkholder-Cooley NM, Segovia-Siapco G, Oda K, Wells B, Orlich MJ, Fraser GE. Unscrambling the relations of egg and meat consumption with type 2 diabetes risk. Am J Clin Nutr. 2018 Nov 1;108(5):1121-1128
18. Geiker NRW, Larsen ML, Dyerberg J, Stender S, Astrup A. Egg consumption, cardiovascular diseases and type 2 diabetes. Eur J Clin Nutr. 2018 Jan;72(1):44-56
19. Richard C, et al. Impact of Egg Consumption on Cardiovascular Risk Factors in Individuals with Type 2 Diabetes and at Risk for Developing Diabetes: A Systematic Review of Randomized Nutritional Intervention Studies. Can J Diabetes. 2017 Aug;41(4):453-463
20. Njike VY, et al. Egg Consumption in the Context of Plant-Based Diets and Diet Quality in Adults at Risk for Type 2 Diabetes: A Randomized Single Blind Cross-over Controlled Trial. J Am Nutr Assoc. 2023 Feb;42(2):130-139
21. Emrani AS, Beigrezaei S, Zademohammadi F, Salehi-Abargouei A. The effect of whole egg consumption on weight and body composition in adults: a systematic review and meta-analysis of clinical trials. Syst Rev. 2023 Jul 17;12(1):125
22. Talebi S, et al. Dose-response association between animal protein sources and risk of gestational diabetes mellitus: a systematic review and meta-analysis. Nutr Rev. 2023 Dec 12:nuad144
23. Ajala O, English P, Pinkney J. Systematic review and meta-analysis of different dietary approaches to the management of type 2 diabetes. Am J Clin Nutr. 2013 Mar;97(3):505-16
24. Jardine MA, Kahleova H, Levin SM, Ali Z, Trapp CB, Barnard ND. Perspective: Plant-Based Eating Pattern for Type 2 Diabetes Prevention and Treatment: Efficacy, Mechanisms, and Practical Considerations. Adv Nutr. 2021 Dec 1;12(6):2045-2055
25. Kelly J, Karlsen M, Steinke G. Type 2 Diabetes Remission and Lifestyle Medicine: A Position Statement From the American College of Lifestyle Medicine. Am J Lifestyle Med. 2020 Jun 8;14(4):406-419
26. Rosenfeld RM, et al. Dietary Interventions to Treat Type 2 Diabetes in Adults with a Goal of Remission: An Expert Consensus Statement from the American College of Lifestyle Medicine. Am J Lifestyle Med. 2022 May 18;16(3):342-362
27. Sheng Z, et al. Effects of Lifestyle Modification and Anti-diabetic Medicine on Prediabetes Progress: A Systematic Review and Meta-Analysis. Front Endocrinol (Lausanne). 2019 Jul 12;10:455
28. Rosenfeld RM, et al. Dietary Interventions to Treat Type 2 Diabetes in Adults with a Goal of Remission: An Expert Consensus Statement from the American College of Lifestyle Medicine. Am J Lifestyle Med. 2022 May 18;16(3):342-362
29. Kahleova H, et al. Dietary Patterns and Cardiometabolic Outcomes in Diabetes: A Summary of Systematic Reviews and Meta-Analyses. Nutrients. 2019 Sep 13;11(9):2209
30. Valenzuela PL, Carrera-Bastos P, Castillo-García A, Lieberman DE, Santos-Lozano A, Lucia A. Obesity and the risk of cardiometabolic diseases. Nat Rev Cardiol. 2023 Jul;20(7):475-494
31. Bays HE, Golden A, Tondt J. Thirty Obesity Myths, Misunderstandings, and/or Oversimplifications: An Obesity Medicine Association (OMA) Clinical Practice Statement (CPS) 2022. Obes Pillars. 2022 Aug 10;3:100034
32. Jin X, Qiu T, Li L, Yu R, Chen X, Li C, Proud CG, Jiang T. Pathophysiology of obesity and its associated diseases. Acta Pharm Sin B. 2023 Jun;13(6):2403-2424

33. Gjermeni E, et al. Obesity-An Update on the Basic Pathophysiology and Review of Recent Therapeutic Advances. Biomolecules. 2021 Sep 29;11(10):1426
34. Slavich GM. Understanding inflammation, its regulation, and relevance for health: a top scientific and public priority. Brain Behav Immun. 2015; 45:13–4
35. Egger G. In search of a germ theory equivalent for chronic disease. Prev Chronic Dis.2012:9(11); E95
36. Maffetone PB, Laursen PB. The prevalence of overfat adults and children in the US. Front Public Health. 2017; 5:290
37. Vahid, F., Bourbour, F., Gholamalizadeh, M. et al. A pro-inflammatory diet increases the likelihood of obesity and overweight in adolescent boys: a case–control study. Diabetol Metab Syndr. (2020) 12, 29
38. Ellulu MS, Patimah I, Khaza'ai H, Rahmat A, Abed Y. Obesity and inflammation: the linking mechanism and the complications. Arch Med Sci. 2017 Jun;13(4):851-863
39. Hariharan R, Odjidja EN, Scott D, Shivappa N, Hébert JR, Hodge A, de Courten B. The dietary inflammatory index, obesity, type 2 diabetes, and cardiovascular risk factors and diseases. Obes Rev. 2022 Jan;23(1):e13349
40. Khanna D, Khanna S, Khanna P, Kahar P, Patel BM. Obesity: A Chronic Low-Grade Inflammation and Its Markers. Cureus. 2022 Feb 28;14(2):e22711
41. Shivappa N, Steck SE, Hurley TG, Hussey JR, Hébert JR. Designing and developing a literature-derived, population-based dietary inflammatory index. Public Health Nutr. 2014 Aug;17(8):1689-96
42. Giugliano D, Ceriello A, Esposito K. The effects of diet on inflammation: emphasis on the metabolic syndrome. J Am Coll Cardiol. 2006 Aug 15;48(4):677-85
43. Egger G, Dixon J. Non-nutrient causes of low-grade, systemic inflammation: support for a «canary in the mineshaft» view of obesity in chronic disease. Obes Rev. 2011.12(5):339–45
44. Mead LC, Hill AM, Carter S, Coates AM. Effects of energy-restricted diets with or without nuts on weight, body composition and glycaemic control in adults: a scoping review. Nutr Res Rev. 2024 Feb 23:1-17
45. Contreras RE, Schriever SC, Pfluger PT. Physiological and Epigenetic Features of Yoyo Dieting and Weight Control. Front Genet. 2019 Dec 11;10:1015
46. Mussell MP, et al. Onset of binge eating, dieting, obesity, and mood disorders among subjects seeking treatment for binge eating disorder. Int J Eat Disord. 1995 May;17(4):395-401
47. Shivappa N, Steck SE, Hurley TG, Hussey JR, Hébert JR. Designing and developing a literature-derived, population-based dietary inflammatory index. Public Health Nutr. 2014 Aug;17(8):1689-96
48. Gao J, et al. The Association of Fried Meat Consumption With the Gut Microbiota and Fecal Metabolites and Its Impact on Glucose Homoeostasis, Intestinal Endotoxin Levels, and Systemic Inflammation: A Randomized Controlled-Feeding Trial. Diabetes Care. 2021 Sep;44(9):1970-1979
49. Gadiraju TV, Patel Y, Gaziano JM, Djoussé L. Fried Food Consumption and Cardiovascular Health: A Review of Current Evidence. Nutrients. 2015 Oct 6;7(10):8424-30
50. Jägerstad M, Skog K. Genotoxicity of heat-processed foods. Mutat Res. 2005 Jul 1;574(1-2):156-72
51. Uribarri J, Woodruff S, Goodman S, Cai W, Chen X, Pyzik R, Yong A, Striker GE, Vlassara H. Advanced glycation end products in foods and a practical guide to their reduction in the diet. J Am Diet Assoc. 2010 Jun;110(6):911-16.e12
52. Shivappa N, Steck SE, Hurley TG, Hussey JR, Hébert JR. Designing and developing a literature-derived, population-based dietary inflammatory index. Public Health Nutr. 2014 Aug;17(8):1689-96

53. Rosenbaum M, Foster G. Differential mechanisms affecting weight loss and weight loss maintenance. Nat Metab. 2023 Aug;5(8):1266-1274
54. van Baak MA, Mariman ECM. Mechanisms of weight regain after weight loss - the role of adipose tissue. Nat Rev Endocrinol. 2019 May;15(5):274-287
55. Busetto L, Bettini S, Makaronidis J, Roberts CA, Halford JCG, Batterham RL. Mechanisms of weight regain. Eur J Intern Med. 2021 Nov;93:3-7
56. Blomain ES, Dirhan DA, Valentino MA, Kim GW, Waldman SA. Mechanisms of Weight Regain following Weight Loss. ISRN Obes. 2013 Apr 16;2013:210524
57. van Baak MA, Mariman ECM. Obesity-induced and weight-loss-induced physiological factors affecting weight regain. Nat Rev Endocrinol. 2023 Nov;19(11):655-670
58. Fothergill E, Guo J, Howard L, Kerns JC, Knuth ND, Brychta R, Chen KY, Skarulis MC, Walter M, Walter PJ, Hall KD. Persistent metabolic adaptation 6 years after "The Biggest Loser" competition. Obesity (Silver Spring). 2016 Aug;24(8):1612-9
59. Cooke JP. Endotheliopathy of Obesity. Circulation. 2020 Jul 28;142(4):380-383
60. Mozaffarian D, Hao T, Rimm EB, Willett WC, Hu FB. Changes in diet and lifestyle and long-term weight gain in women and men. N Engl J Med. 2011 Jun 23;364(25):2392-404)
61. Rolls BJ, Roe LS. Effect of the volume of liquid food infused intragastrically on satiety in women. Physiol Behav. 2002; 76(4–5):623–31
62. Duncan KH, Bacon JA, Weinsier RL. The effects of high and low energy density diets on satiety, energy intake, and eating time of obese and nonobese subjects. Am J Clin Nutr. 1983; 37(5):763–7
63. Pérez-Escamilla R, Obbagy JE, Altman JM, Essery EV, McGrane MM, Wong YP, Spahn JM, Williams CL. Dietary energy density and body weight in adults and children: a systematic review. J Acad Nutr Diet. 2012 May;112(5):671-84
64. Wright N, Wilson L, Smith M, Duncan B, McHugh P. The BROAD study: A randomised controlled trial using a whole food plant-based diet in the community for obesity, ischaemic heart disease or diabetes. Nutr Diabetes. 2017 Mar 20;7(3):e256
65. Paixão C, et al. Successful weight loss maintenance: A systematic review of weight control registries. Obes Rev. 2020 May;21(5):e13003
66. Boushey C, et al. Dietary Patterns and Growth, Size, Body Composition, and/or Risk of Overweight or Obesity: A Systematic Review [Internet]. Alexandria (VA): USDA Nutrition Evidence Systematic Review; 2020 Jul
67. Heymsfield SB. Meal replacements and energy balance. Physiol Behav. 2010; 100(1):90–4
68. Wadden TA, Foster GD, Sarwer DB, et al. Dieting and the development of eating disorders in obese women: results of a randomized controlled trial. Am J Clin Nutr. 2004; 80(3):560–8
69. Lowe MR, Butryn ML, Thomas JG, Coletta M. Meal replacements, reduced energy density eating, and weight loss maintenance in primary care patients: a randomized controlled trial. Obesity (Silver Spring). 2014; 22(1):94–100
70. Shintani TT, Hughes CK, Beckham S, O'Connor HK. Obesity and cardiovascular risk intervention through the ad libitum feeding of traditional Hawaiian diet. Am J Clin Nutr. 1991 Jun;53(6 Suppl):1647S-1651S
71. Wright, N., Wilson, L., Smith, M. et al. The BROAD study: A randomised controlled trial using a whole food plant-based diet in the community for obesity, ischaemic heart disease or diabetes. Nutr & Diabetes 7, e256 (2017)

72. Paixão C, et al. Successful weight loss maintenance: A systematic review of weight control registries. Obes Rev. 2020 May;21(5):e13003
73. Bertoia ML, et al. Changes in Intake of Fruits and Vegetables and Weight Change in United States Men and Women Followed for Up to 24 Years: Analysis from Three Prospective Cohort Studies. PLoS Med. 2015 Sep 22;12(9):e1001878
74. Tabung FK, Satija A, et al. Long-Term Change in both Dietary Insulinemic and Inflammatory Potential Is Associated with Weight Gain in Adult Women and Men. J Nutr. 2019 May 1;149(5):804-815
75. Liu X, et al. Changes in nut consumption influence long-term weight change in US men and women. BMJ Nutr Prev Health. 2019 Sep 23;2(2):90-99
76. Simkin-Silverman LR, Wing RR, Boraz MA, Kuller LH. Lifestyle intervention can prevent weight gain during menopause: results from a 5-year randomized clinical trial. Ann Behav Med. 2003 Dec;26(3):212-20
77. Hauser ME, et al. Association of dietary adherence and dietary quality with weight loss success among those following low-carbohydrate and low-fat diets: a secondary analysis of the DIETFITS randomized clinical trial. Am J Clin Nutr. 2023 Nov 4:S0002-9165(23)66235-5
78. Paixão C, et al. Successful weight loss maintenance: A systematic review of weight control registries. Obes Rev. 2020 May;21(5):e13003
79. Soini S, Mustajoki P, Eriksson JG. Weight loss methods and changes in eating habits among successful weight losers. Ann Med. 2016;48(1-2):76-82
80. Global Cardiovascular Risk Consortium; Global Effect of Modifiable Risk Factors on Cardiovascular Disease and Mortality. N Engl J Med. 2023 Oct 5;389(14):1273-1285
81. Zheng J, Wang J, Zhang Y, Xia J, Guo H, Hu H, Shan P, Li T. The Global Burden of Diseases attributed to high low-density lipoprotein cholesterol from 1990 to 2019. Front Public Health. 2022 Aug 16;10:891929
82. Vajdi M, Farhangi MA, Mahmoudi-Nezhad M. Dietary inflammatory index significantly affects lipids profile among adults: An updated systematic review and meta-analysis. Int J Vitam Nutr Res. 2022 Oct;92(5-6):431-447
83. Rocha DM, Bressan J, Hermsdorff HH. The role of dietary fatty acid intake in inflammatory gene expression: a critical review. Sao Paulo Med J. 2017 Mar-Apr;135(2):157-168
84. Vincent MJ, Allen B, Palacios OM, Haber LT, Maki KC. Meta-regression analysis of the effects of dietary cholesterol intake on LDL and HDL cholesterol. Am J Clin Nutr. 2019 Jan 1;109(1):7-16
85. Trumbo PR, Shimakawa T. Tolerable upper intake levels for trans fat, saturated fat, and cholesterol. Nutr Rev. 2011 May;69(5):270-8
86. von Eckardstein A, Nordestgaard BG, Remaley AT, Catapano AL. High-density lipoprotein revisited: biological functions and clinical relevance. Eur Heart J. 2023 Apr 21;44(16):1394-1407
87. Schoeneck M, Iggman D. The effects of foods on LDL cholesterol levels: A systematic review of the accumulated evidence from systematic reviews and meta-analyses of randomized controlled trials. Nutr Metab Cardiovasc Dis. 2021 May 6;31(5):1325-1338
88. Bergeron N, et al. Effects of red meat, white meat, and nonmeat protein sources on atherogenic lipoprotein measures in the context of low compared with high saturated fat intake: a randomized controlled trial. Am J Clin Nutr. 2019 Jul 1;110(1):24-33
89. Li SS, et al. Effect of Plant Protein on Blood Lipids: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. J Am Heart Assoc. 2017 Dec 20;6(12):e006659

90. Bergeron N, Chiu S, Williams PT, M King S, Krauss RM. Effects of red meat, white meat, and nonmeat protein sources on atherogenic lipoprotein measures in the context of low compared with high saturated fat intake: a randomized controlled trial. Am J Clin Nutr. 2019 Jul 1;110(1):24-33
91. Gigleux I, Jenkins DJ, et al. Comparison of a dietary portfolio diet of cholesterol-lowering foods and a statin on LDL particle size phenotype in hypercholesterolaemic participants. Br J Nutr. 2007 Dec;98(6):1229-36
92. Ferro Y, Mazza E, et al. Effects of a Portfolio-Mediterranean Diet and a Mediterranean Diet with or without a Sterol-Enriched Yogurt in Individuals with Hypercholesterolemia. Endocrinol Metab (Seoul). 2020 Jun;35(2):298-307
93. Jenkins DJ, Jenkins AL, Kendall CW, Vuksan V, Vidgen E. The Garden of Eden: Implications for cardiovascular disease prevention. Asia Pac J Clin Nutr. 2000 Sep;9 Suppl 1:S1-3
94. Peña-Jorquera H, et al. Plant-Based Nutrition: Exploring Health Benefits for Atherosclerosis, Chronic Diseases, and Metabolic Syndrome-A Comprehensive Review. Nutrients. 2023 Jul 21;15(14):3244

Capítulo 8: Enfermedades asociadas al envejecimiento

1. Gonzaález H, Hagerling C, Werb Z. Roles of the immune system in cancer: from tumor initiation to metastatic progression. Genes Dev. 2018 Oct 1;32(19-20):1267-1284
2. Mason KL, Huffnagle GB, Noverr MC, Kao JY. Overview of gut immunology. Adv Exp Med Biol. 2008;635:1-14
3. Ahluwalia B, Magnusson MK, Öhman L. Mucosal immune system of the gastrointestinal tract: maintaining balance between the good and the bad. Scand J Gastroenterol. 2017 Nov;52(11):1185-1193
4. Graff E, Vedantam S, Parianos M, Khakoo N, Beiling M, Pearlman M. Dietary Intake and Systemic Inflammation: Can We Use Food as Medicine? Curr Nutr Rep. 2023 Jun;12(2):247-254
5. Furman, D., Campisi, J., Verdin, E. et al. Chronic inflammation in the etiology of disease across the life span. Nat Med 25, 1822-1832 (2019
6. Chang K, Gunter MJ, Rauber F, Levy RB, Huybrechts I, Kliemann N, Millett C, Vamos EP. Ultra-processed food consumption, cancer risk and cancer mortality: a large-scale prospective analysis within the UK Biobank. EClinicalMedicine. 2023 Jan 31;56:101840
7. Lian Y, Wang GP, Chen GQ, Chen HN, Zhang GY. Association between ultra-processed foods and risk of cancer: a systematic review and meta-analysis. Front Nutr. 2023 Jun 8;10:1175994
8. Chang K, Gunter MJ, Rauber F, Levy RB, Huybrechts I, Kliemann N, Millett C, Vamos EP. Ultra-processed food consumption, cancer risk and cancer mortality: a large-scale prospective analysis within the UK Biobank. EClinicalMedicine. 2023 Jan 31;56:101840
9. American Institute for Cancer Research. Meat, fish and dairy products and the risk of cancer. 2018. Accequible en: https://www.wcrf.org/wp-content/uploads/2021/02/Meat-fish-and-dairy-products.pdf

10. Popkin BM. Global nutrition dynamics: the world is shifting rapidly toward a diet linked with noncommunicable diseases. Am J Clin Nutr. 2006 Aug;84(2):289-98).
11. Shakil MH, Trisha AT, Rahman M, Talukdar S, Kobun R, Huda N, Zzaman W. Nitrites in Cured Meats, Health Risk Issues, Alternatives to Nitrites: A Review. Foods. 2022 Oct 25;11(21):3355
12. Singh L, Agarwal T. Polycyclic aromatic hydrocarbons in diet: Concern for public health. Trends Food Sci Technol. 2018;79:160-70
13. Sampaio GR, et al. Polycyclic Aromatic Hydrocarbons in Foods: Biological Effects, Legislation, Occurrence, Analytical Methods, and Strategies to Reduce Their Formation. Int J Mol Sci. 2021 Jun 2;22(11):6010
14. Uribarri J, Cai W, Sandu O, Peppa M, Goldberg T, Vlassara H. Diet-derived advanced glycation end products are major contributors to the body's AGE pool and induce inflammation in healthy subjects. Ann N Y Acad Sci. 2005 Jun;1043:461-6
15. Rahmadi A, Steiner N, Münch G. Advanced glycation endproducts as gerontotoxins and biomarkers for carbonyl-based degenerative processes in Alzheimer's disease. Clin Chem Lab Med. 2011 Mar;49(3):385-91
16. Chan DS, Lau R, Aune D, Vieira R, Greenwood DC, Kampman E, Norat T. Red and processed meat and colorectal cancer incidence: meta-analysis of prospective studies. PLoS One. 2011;6(6):e20456
17. Rohrmann S, et al. Meat and fish consumption and risk of pancreatic cancer: results from the European Prospective Investigation into Cancer and Nutrition. Int J Cancer. 2013 Feb 1;132(3):617-24
18. Gao Y, Ma Y, Yu M, Li G, Chen Y, Li X, Chen X, Xie Y, Wang X. Poultry and Fish Intake and Pancreatic Cancer Risk: A Systematic Review and Meta-Analysis. Nutr Cancer. 2022;74(1):55-67
19. Farvid MS, Stern MC, Norat T, et al.: Consumption of red and processed meat and breast cancer incidence: A systematic review and meta-analysis of prospective studies. Int J Cancer. 2018, 143:2787-99
20. Farvid MS, Sidahmed E, Spence ND, Mante Angua K, Rosner BA, Barnett JB: Consumption of red meat and processed meat and cancer incidence: a systematic review and meta-analysis of prospective studies. Eur J Epidemiol. 2021, 36:937-51
21. Kim SR, Kim K, Lee SA, Kwon SO, Lee JK, Keum N, Park SM: Effect of red, processed, and white meat consumption on the risk of gastric cancer: an overall and dose⁻response meta-analysis. Nutrients. 2019, 11:826
22. Zhao Z, Yin Z, Pu Z, Zhao Q: Association between consumption of red and processed meat and pancreatic cancer risk: a systematic review and meta-analysis. Clin Gastroenterol Hepatol. 2017, 15:486-493.e10
23. Sivasubramanian BP, Dave M, Panchal V, Saifa-Bonsu J, Konka S, Noei F, Nagaraj S, Terpari U, Savani P, Vekaria PH, Samala Venkata V, Manjani L. Comprehensive Review of Red Meat Consumption and the Risk of Cancer. Cureus. 2023 Sep 15;15(9):e45324
24. Key TJ, Appleby PN, Spencer EA, Travis RC, Allen NE, Thorogood M, Mann JI. Cancer incidence in British vegetarians. Br J Cancer. 2009 Jul 7;101(1):192-7
25. Key TJ, Appleby PN, Crowe FL, Bradbury KE, Schmidt JA, Travis RC. Cancer in British vegetarians: updated analyses of 4998 incident cancers in a cohort of 32,491 meat eaters, 8612 fish eaters, 18,298 vegetarians, and 2246 vegans. Am J Clin Nutr. 2014 Jul;100 Suppl 1(1):378S-85S
26. Watling CZ, et al. Risk of cancer in regular and low meat-eaters, fish-eaters, and vegetarians: a prospective analysis of UK Biobank participants. BMC Med. 2022 Feb 24;20(1):73
27. Parra-Soto S, et al. Association of meat, vegetarian, pescatarian and fish-poultry diets with risk of 19 cancer sites and all cancer: findings from the UK Biobank prospective cohort study and meta-analysis. BMC Med. 2022 Feb 24;20(1):79

28. Davinelli S, Maes M, Corbi G, Zarrelli A, Willcox DC, Scapagnini G. Dietary phytochemicals and neuro-inflammaging: from mechanistic insights to translational challenges. Immun Ageing. 2016;13:16
29. Sartori AC, Vance DE, Slater LZ, Crowe M. The impact of inflammation on cognitive function in older adults: implications for healthcare practice and research. J Neurosci Nurs. 2012 Aug;44(4):206-17
30. Erdman JW, Smith JW, Kuchan MJ, et al. Lutein and Brain Function. Foods. 2015;4(4):547-564
31. Johnson EJ, Vishwanathan R, Johnson MA, et al. Relationship between Serum and Brain Carotenoids, α-Tocopherol, and Retinol Concentrations and Cognitive Performance in the Oldest Old from the Georgia Centenarian Study. J Aging Res. 2013;2013:951786
32. Vishwanathan R, Schalch W, Johnson EJ. Macular pigment carotenoids in the retina and occipital cortex are related in humans. Nutr Neurosci. 2016;19(3):95-101
33. Kelly D, Coen RF, Akuffo KO, et al. Cognitive Function and Its Relationship with Macular Pigment Optical Density and Serum Concentrations of its Constituent Carotenoids. J Alzheimers Dis. 2015;48(1):261-77
34. Lindbergh CA, Mewborn CM, Hammond BR, Renzi-Hammond LM, Curran-Celentano JM, Miller LS. Relationship of Lutein and Zeaxanthin Levels to Neurocognitive Functioning: An fMRI Study of Older Adults. J Int Neuropsychol Soc. 2017 Jan;23(1):11-22
35. Mewborn CM, Terry DP, Renzi-hammond LM, Hammond BR, Miller LS. Relation of Retinal and Serum Lutein and Zeaxanthin to White Matter Integrity in Older Adults: A Diffusion Tensor Imaging Study. Arch Clin Neuropsychol. 2017;:1-14
36. Nolan JM, Loskutova E, Howard AN, et al. Macular pigment, visual function, and macular disease among subjects with Alzheimer's disease: an exploratory study. J Alzheimers Dis. 2014;42(4):1191-202
37. Walk AM, Edwards CG, Baumgartner NW, et al. The Role of Retinal Carotenoids and Age on Neuroelectric Indices of Attentional Control among Early to Middle-Aged Adults. Front Aging Neurosci. 2017;9:18
38. Wong JC, Kaplan HS, Hammond BR. Lutein and zeaxanthin status and auditory thresholds in a sample of young healthy adults. Nutr Neurosci. 2017;20(1):1-7
39. Barnett SM, Khan NA, Walk AM, et al. Macular pigment optical density is positively associated with academic performance among preadolescent children. Nutr Neurosci. 2017;:1-9
40. Davinelli S, Maes M, Corbi G, Zarrelli A, Willcox DC, Scapagnini G. Dietary phytochemicals and neuro-inflammaging: from mechanistic insights to translational challenges. Immun Ageing. 2016;13:16
41. Hammond BR Jr, Johnson EJ, Russell RM, Krinsky NI, Yeum K, Edwards RB, et al. Dietary modification of human macular pigment density. Invest Ophthalmol Visual Sci. 1997;38(9):1795-801
42. Hammond BR Jr, Johnson EJ, Russell RM, Krinsky NI, Yeum K, Edwards RB, et al. Dietary modification of human macular pigment density. Invest Ophthalmol Visual Sci. 1997;38(9):1795-801
43. Townsend, R.F.; Logan, D.; O'Neill, R.F.; Prinelli, F.; Woodside, J.V.; McEvoy, C.T. Whole Dietary Patterns, Cognitive Decline and Cognitive Disorders: A Systematic Review of Prospective and Intervention Studies. Nutrients 2023, 15, 333
44. Richard EL, Laughlin GA, Kritz-Silverstein D, Reas ET, Barrett-Connor E, McEvoy LK. Dietary Patterns and Cognitive Function among Older Community-Dwelling Adults. Nutrients. 2018 Aug 14;10(8):1088
45. Chen X, Liu Z, Sachdev PS, Kochan NA, O'Leary F, Brodaty H. Dietary Patterns and Cognitive Health in Older Adults: Findings from the Sydney Memory and Ageing Study. J Nutr Health Aging. 2021;25(2):255-262
46. Chen LW, Chou YC, Lee MS, Chiou JM, Chen JH, Chen YC. Longitudinal trajectories of dietary quality and cognitive performance in older adults: Results from a 6-year cohort study. Clin Nutr. 2023 Jun;42(6):879-886

47. Chen X, Liu Z, Sachdev PS, Kochan NA, O'Leary F, Brodaty H. Dietary Patterns and Cognitive Health in Older Adults: Findings from the Sydney Memory and Ageing Study. J Nutr Health Aging. 2021;25(2):255-262
48. Chu CQ, Yu LL, Qi GY, Mi YS, Wu WQ, Lee YK, Zhai QX, Tian FW, Chen W. Can dietary patterns prevent cognitive impairment and reduce Alzheimer's disease risk: Exploring the underlying mechanisms of effects. Neurosci Biobehav Rev. 2022 Apr;135:104556
49. Ramey MM, Shields GS, Yonelinas AP. Markers of a plant-based diet relate to memory and executive function in older adults. Nutr Neurosci. 2022;25(2):276-285
50. Ables GP, Johnson JE. Pleiotropic responses to methionine restriction. Exp Gerontol. 2017 Aug;94:83-88. doi: 10.1016/j.exger.2017.01.012
51. McCarty MF, Barroso-Aranda J, Contreras F. The low-methionine content of vegan diets may make methionine restriction feasible as a life extension strategy. Med Hypotheses. 2009 Feb;72(2):125-8
52. Ramey MM, Shields GS, Yonelinas AP. Markers of a plant-based diet relate to memory and executive function in older adults. Nutr Neurosci. 2022;25(2):276-285
53. Cai W, Uribarri J, Zhu L, et al. Oral glycotoxins are a modifiable cause of dementia and the metabolic syndrome in mice and humans. Proc Natl Acad Sci U S A. 2014;111(13):4940-4945
54. Abate G, Marziano M, Rungratanawanich W, Memo M, Uberti D. Nutrition and age-ing: focusing on alzheimer’s disease. Oxid Med Cell Longev. 2017;2017:7039816
55. Cao GY, Li M, Han L, et al. Dietary fat intake and cognitive function among older populations: a systematic review and meta-analysis. J Prev Alzheimers Dis. 2019;6(3):204-211
56. Holloway CJ, Cochlin LE, Emmanuel Y, et al. A high-fat diet impairs cardiac high-energy phosphae metabolism and cognitive function in healthy human Dsubjects. Am J Clin Nutr. 2011;93(4):748-755
57. Fried, L.P.; Tangen, C.M.; Walston, J.; Newman, A.B.; Hirsch, C.; Gottdiener, J.; Seeman, T.; Tracy, R.; Kop, W.J.; Burke, G.; et al. Frailty in older adults: Evidence for a phenotype. J. Gerontol. A Biol. Sci. Med. Sci. 2001, 56, M146-M156
58. Gabrovec B, Veninšek G, Samaniego LL, Carriazo AM, Antoniadou E, Jelenc M. The role of nutrition in ageing: A narrative review from the perspective of the European joint action on frailty - ADVANTAGE JA. Eur J Intern Med. 2018 Oct;56:26-32
59. Richter D, et al. Frailty in cardiology: definition, assessment and clinical implications for general cardiology. A consensus document of the Council for Cardiology Practice (CCP), Association for Acute Cardio Vascular Care (ACVC), Association of Cardiovascular Nursing and Allied Professions (ACNAP), European Association of Preventive Cardiology (EAPC), European Heart Rhythm Association (EHRA), Council on Valvular Heart Diseases (VHD), Council on Hypertension (CHT), Council of Cardio-Oncology (CCO), Working Group (WG) Aorta and Peripheral Vascular Diseases, WG e-Cardiology, WG Thrombosis, of the European Society of Cardiology, European Primary Care Cardiology Society (EPCCS). Eur J Prev Cardiol. 2022 Feb 19;29(1):216-227
60. Hoogendijk, E.O.; Afilalo, J.; Ensrud, K.E.; Kowal, P.; Onder, G.; Fried, L.P. Frailty: Implications for clinical practice and public health. Lancet 2019;, 394,: 1365-1375
61. Morley, J.E.; Vellas, B.; van Kan, G.A.; Anker, S.D.; Bauer, J.M.; Bernabei, R.; Cesari, M.; Chumlea, W.C.; Doehner, W.; Evans, J.; et al. Frailty Consensus: A Call to Action. J. Am. Med. Dir. Assoc. 2013
62. Landi, F.; Calvani, R.; Cesari, M.; Tosato, M.; Martone, A.M.; Bernabei, R.; Onder, G.; Marzetti, E. Sarcopenia as the Biological Substrate of Physical Frailty. Clin. Geriatr. Med. 2015,; 31:, 367-374

63. Fougère, B.; Vellas, B.; van Kan, G.A.; Cesari, M. Identification of biological markers for better characterization of older subjects with physical frailty and sarcopenia. Transl. Neurosci. 2015,; 6, :103-110
64. Coelho-Junior, H.J.; Picca, A.; Calvani, R.; Uchida, M.C.; Marzetti, E. If my muscle could talk: Myokines as a biomarker of frailty. Exp. Gerontol. 2019;, 127, :110715
65. Coelho-Junior, H.J.; Marzetti, E.; Picca, A.; Cesari, M.; Uchida, M.C.; Calvani, R. Protein Intake and Frailty: A Matter of Quantity, Quality, and Timing. Nutrients 2020,; 12, :2915
66. Volpi, E.; Mittendorfer, B.; Rasmussen, B.B.; Wolfe, R.R. The response of muscle protein anabolism to combined hyperaminoacidemia and glucose-induced hyperinsulinemia is impaired in the elderly. J. Clin. Endocrinol. Metab. 2000, 85, 4481-4490
67. Katsanos, C.S.; Kobayashi, H.; Sheffield-Moore, M.; Aarsland, A.; Wolfe, R.R. Aging is associated with diminished accretion of muscle proteins after the ingestion of a small bolus of essential amino acids. Am. J. Clin. Nutr. 2005;, 82, .1065-1073
68. Katsanos, C.S.; Kobayashi, H.; Sheffield-Moore, M.; Aarsland, A.; Wolfe, R.R. A high proportion of leucine is required for optimal stimulation of the rate of muscle protein synthesis by essential amino acids in the elderly. Am. J. Physiol. Metab. 2006,; 291:, E381-E387
69. Wall, B.T.; Gorissen, S.H.; Pennings, B.; Koopman, R.; Groen, B.B.L.; Verdijk, L.B.; van Loon, L.J.C. Aging Is Accompanied by a Blunted Muscle Protein Synthetic Response to Protein Ingestion. PLoS ONE 2015, 10, e0140903
70. Shimokata H, Ando F, Yuki A, Otsuka R. Age-related changes in skeletal muscle mass among community-dwelling Japanese: a 12-year longitudinal study. Geriatr Gerontol Int. 2014 Feb;14 Suppl 1:85-92
71. Frontera WR, Hughes VA, Fielding RA, Fiatarone MA, Evans WJ, Roubenoff R. Aging of skeletal muscle: a 12-yr longitudinal study. J Appl Physiol (1985). 2000 Apr;88(4):1321-6
72. Paddon-Jones D, Leidy H. Dietary protein and muscle in older persons. Curr Opin Clin Nutr Metab Care. 2014 Jan;17(1):5-11
73. Fried, L.P.; et al. Frailty in older adults: Evidence for a phenotype. J. Gerontol. A Biol. Sci. Med. Sci. 2001, 56, M146-M156
74. Coelho-Junior, H.J.; Marzetti, E.; Picca, A.; Cesari, M.; Uchida, M.C.; Calvani, R. Protein Intake and Frailty: A Matter of Quantity, Quality, and Timing. Nutrients 2020;, 12, :2915
75. Shimokata H, Ando F, Yuki A, Otsuka R. Age-related changes in skeletal muscle mass among community-dwelling Japanese: a 12-year longitudinal study. Geriatr Gerontol Int. 2014 Feb;14 Suppl 1:85-92
76. Battle EK, Brownell KD. Confronting a rising tide of eating disorders and obesity: treatment vs. prevention and policy. Addict Behav. 1996;21(6):755-65
77. Winson A. Bringing political economy into the debate on the obesity epidemic. Agric Human Values. 2004; 21(4):299-312
78. Coelho-Júnior, H.; et al. Low Protein Intake Is Associated with Frailty in Older Adults: A Systematic Review and Meta-Analysis of Observational Studies. Nutrients 2018;, 10, :1334
79. Levine ME, Longo VD., et al Low protein intake is associated with a major reduction in IGF-1, cancer, and overall mortality in the 65 and younger but not older population. Cell Metab. 2014 Mar 4;19(3):407-17
80. Balasubramanian P, Longo VD. Growth factors, aging and age-related diseases. Growth Horm IGF Res. 2016 Jun;28:66-8
81. Marcello MA, Sampaio AC, Geloneze B, Vasques AC, Assumpção LV, Ward LS. Obesity and excess protein and carbohydrate consumption are risk factors for thyroid cancer. Nutr Cancer. 2012;64(8):1190-5

82. Yin J, et al. Protein restriction and cancer. Biochim Biophys Acta Rev Cancer. 2018 Apr;1869(2):256-262
83. Campbell WW, Johnson CA, McCabe GP, Carnell NS. Dietary protein requirements of younger and older adults. Am J Clin Nutr. 2008 Nov;88(5):1322-9
84. Iglay HB, et al. Moderately increased protein intake predominately from egg sources does not influence whole body, regional, or muscle composition responses to resistance training in older people. J Nutr Health Aging. 2009 Feb;13(2):108-14
85. Bauer J, et al. Evidence-based recommendations for optimal dietary protein intake in older people: a position paper from the PROT-AGE Study Group. J Am Med Dir Assoc. 2013 Aug;14(8):542-59
86. Coelho-Junior, H.J.; Marzetti, E.; Picca, A.; Cesari, M.; Uchida, M.C.; Calvani, R. Protein Intake and Frailty: A Matter of Quantity, Quality, and Timing. Nutrients 2020;, 12, :2915
87. Berg J, Seyedsadjadi N, Grant R. Increased Consumption of Plant Foods Is Associated with Increased Bone Mineral Density. J Nutr Health Aging. 2020;24(4):388-397
88. O'Connell ML, et al. The role of nutrition and physical activity in frailty: A review. Clin Nutr ESPEN. 2020 Feb;35:1-11
89. Salari N, Ghasemi H, Mohammadi L, Behzadi MH, Rabieenia E, Shohaimi S, Mohammadi M. The global prevalence of osteoporosis in the world: a comprehensive systematic review and meta-analysis. J Orthop Surg Res. 2021 Oct 17;16(1):609
90. Bischoff-Ferrari HA, et al. Milk intake and risk of hip fracture in men and women: a meta-analysis of prospective cohort studies. J Bone Miner Res. 2011 Apr;26(4):833-9
91. Feskanich D, Bischoff-Ferrari HA, Frazier AL, Willett WC. Milk consumption during teenage years and risk of hip fractures in older adults. JAMA Pediatr. 2014 Jan;168(1):54-60
92. Michaëlsson K, Wolk A, Langenskiöld S, Basu S, Warensjö Lemming E, Melhus H, Byberg L. Milk intake and risk of mortality and fractures in women and men: cohort studies. BMJ. 2014 Oct 28;349:g6015
93. Batey LA, Welt CK, Rohr F, Wessel A, Anastasoaie V, Feldman HA, Guo CY, Rubio-Gozalbo E, Berry G, Gordon CM. Skeletal health in adult patients with classic galactosemia. Osteoporos Int. 2013 Feb;24(2):501-9
94. Michaëlsson K, et al. Milk intake and risk of mortality and fractures in women and men: cohort studies. BMJ. 2014 Oct 28;349:g6015
95. Michaëlsson K, Byberg L. Interpretation of milk research results. Osteoporos Int. 2018 Mar;29(3):773-775
96. Berg J, Seyedsadjadi N, Grant R. Increased Consumption of Plant Foods Is Associated with Increased Bone Mineral Density. J Nutr Health Aging. 2020;24(4):388-397
97. Chuang TL, Lin CH, Wang YF. Effects of vegetarian diet on bone mineral density. Tzu Chi Med J. 2020 Sep 16;33(2):128-134
98. Ho-Pham LT, Nguyen ND, Nguyen TV. Effect of vegetarian diets on bone mineral density: a Bayesian meta-analysis. Am J Clin Nutr. 2009 Oct;90(4):943-50
99. Falchetti A, Cavati G, Valenti R, Mingiano C, Cosso R, Gennari L, Chiodini I, Merlotti D. The effects of vegetarian diets on bone health: A literature review. Front Endocrinol (Lausanne). 2022 Aug 5;13:899375
100. Lanham-New SA. Is "vegetarianism" a serious risk factor for osteoporotic fracture? Am J Clin Nutr. 2009 Oct;90(4):910-1
101. Lanham-New SA. Is "vegetarianism" a serious risk factor for osteoporotic fracture? Am J Clin Nutr. 2009 Oct;90(4):910-1

102. Yannakoulia M, Ntanasi E, Anastasiou CA, Scarmeas N. Frailty and nutrition: From epidemiological and clinical evidence to potential mechanisms. Metabolism. 2017 Mar;68:64-76
103. Capurso C, Bellanti F, Lo Buglio A, Vendemiale G. The Mediterranean Diet Slows Down the Progression of Aging and Helps to Prevent the Onset of Frailty: A Narrative Review. Nutrients. 2019 Dec 21;12(1):35
104. Ni Lochlainn M, Robinson S. UK Nutrition Research Partnership workshop: Nutrition and frailty-opportunities for prevention and treatment. Nutr Bull. 2022 Mar;47(1):123-129
105. Dominguez LJ, Donat-Vargas C, Sayon-Orea C, Barberia-Latasa M, Veronese N, Rey-Garcia J, Rodríguez-Artalejo F, Guallar-Castillón P, Martínez-González MÀ, Barbagallo M. Rationale of the association between Mediterranean diet and the risk of frailty in older adults and systematic review and meta-analysis. Exp Gerontol. 2023 Jun 15;177:112180
106. Kojima G, Taniguchi Y, Urano T. Fruit and Vegetable Consumption and Incident Frailty in Older Adults: A Systematic Review and Meta-Analysis. J Frailty Aging. 2022;11(1):45-50
107. Kim M, Jang W, Jang S, Shin Y, Kim Y. Association of Dietary Patterns and Frailty in Elderly: Data From the Korea National Health and Nutrition Examination Survey 2014-2018. Curr Dev Nutr. 2021 Jun 7;5(Suppl 2):1051
108. Ni Lochlainn M, et al. Nutrition and Frailty: Opportunities for Prevention and Treatment. Nutrients. 2021 Jul 9;13(7):2349
109. Gabrovec B, Veninšek G, Samaniego LL, Carriazo AM, Antoniadou E, Jelenc M. The role of nutrition in ageing: A narrative review from the perspective of the European joint action on frailty - ADVANTAGE JA. Eur J Intern Med. 2018 Oct;56:26-32
110. Berg J, Seyedsadjadi N, Grant R. Increased Consumption of Plant Foods Is Associated with Increased Bone Mineral Density. J Nutr Health Aging. 2020;24(4):388-397
111. Cormick G, Belizán JM. Calcium Intake and Health. Nutrients. 2019 Jul 15;11(7):1606
112. Kim J, Lee Y, Kye S, Chung YS, Kim KM. Association between healthy diet and exercise and greater muscle mass in older adults. J Am Geriatr Soc. 2015 May;63(5):886-92
113. Dawson-Hughes B, et al. Alkaline diets favor lean tissue mass in older adults. Am J Clin Nutr. 2008 Mar;87(3):662-5
114. Pizzorno J, Frassetto LA, Katzinger J. Diet-induced acidosis: is it real and clinically relevant? Br J Nutr. 2010 Apr;103(8):1185-94
115. Welch AA, MacGregor AJ, Skinner J, Spector TD, Moayyeri A, Cassidy A. A higher alkaline dietary load is associated with greater indexes of skeletal muscle mass in women. Osteoporos Int. 2013 Jun;24(6):1899-908
116. Faure AM, et al. Gender-specific association between dietary acid load and total lean body mass and its dependency on protein intake in seniors. Osteoporos Int. 2017 Dec;28(12):3451-346
117. Scialla JJ, Anderson CA. Dietary acid load: a novel nutritional target in chronic kidney disease? Adv Chronic Kidney Dis. 2013 Mar;20(2):141-9
118. Kim J, et al. Association between healthy diet and exercise and greater muscle mass in older adults. J Am Geriatr Soc. 2015 May;63(5):886-92
119. Ni Lochlainn M, Robinson S. UK Nutrition Research Partnership workshop: Nutrition and frailty-opportunities for prevention and treatment. Nutr Bull. 2022 Mar;47(1):123-129

Capítulo 9: Enfermedad renal crónica

1. Li P.K., Garcíia-Garcíia G., Lui S.F., Andreoli S., Fung W.W., Hradsky A., Kumaraswami L., Liakopoulos V., Rakhimova Z., Saadi G., et al. Kidney health for everyone everywhere-from prevention to detection and equitable access to care. Kidney Int. 2020;97:226–232
2. Adair KE, Bowden RG. Ameliorating chronic kidney disease using a whole food plant-based diet. Nutrients. 2020;12(4):1007
3. Kdigo Disease: Improving Global Outcomes (KDIGO) CKD-MBD Update Work Group.KDIGO 2017 clinical practice guideline updatefor the diagnosis, evaluation, prevention, and treatment of chronic kidney disease-mineral and bone disorder (CKD-MBD). Kidney IntSuppl. 2017;7(1):1-59
4. Xie Y, Bowe B, Mokdad AH, Xian H, Yan Y, Li T, Maddukuri G, Tsai CY, Floyd T, Al-Aly Z. Analysis of the Global Burden of Disease study highlights the global, regional, and national trends of chronic kidney disease epidemiology from 1990 to 2016. Kidney Int. 2018 Sep;94(3):567-581
5. Vaidya SR, Aeddula NR. Chronic Kidney Disease. [Actualizado 2022 Oct 24]. En: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. Disponible en: https://www.ncbi.nlm.nih.gov/books/NBK535404/
6. Centers for Disease Control and Prevention. Chronic Kidney Disease in the United States, 2021. Available at: https://www.cdc.gov/kidneydisease/pdf/Chronic-Kidney-Disease-in-the-US-2021-h.pdf (Accessed July 2022)
7. Adair KE, Bowden RG. Ameliorating chronic kidney disease using a whole food plant-based diet. Nutrients. 2020;12(4):1007
8. Verde L, Lucà S, Cernea S, Sulu C, Yumuk VD, Jenssen TG, Savastano S, Sarno G, Colao A, Barrea L, Muscogiuri G. The Fat Kidney. Curr Obes Rep. 2023 Jun;12(2):86-98
9. Lar Seng NS, Lohana P, Chandra S, Jim B. The Fatty Kidney and Beyond: A Silent Epidemic. Am J Med. 2023 Oct;136(10):965-974
10. Scialla JJ, Anderson CA. Dietary acid load: a novel nutritional target in chronic kidney disease? Adv Chronic Kidney Dis. 2013 Mar;20(2):141-9
11. MacLaughlin HL, Friedman AN, Ikizler TA. Nutrition in Kidney Disease: Core Curriculum 2022. Am J Kidney Dis. 2022 Mar;79(3):437-449
12. Mullen, A. Ultra-processed food and chronic disease. Nat Food 1, 771 (2020)
13. Carla Maria Avesani, Lilian Cuppari, Fabiana Baggio Nerbass, Bengt Lindholm, Peter Stenvinkel, Ultraprocessed foods and chronic kidney disease—double trouble, Clinical Kidney Journal, Volume 16, Issue 11, .November 2023,; 16(11)Pages :1723–1736
14. MacLaughlin HL, Friedman AN, Ikizler TA. Nutrition in Kidney Disease: Core Curriculum 2022. Am J Kidney Dis. 2022 Mar;79(3):437-449
15. Ahmed M, Ng AP, Christoforou A, Mulligan C, L'Abbé MR. Top Sodium Food Sources in the American Diet-Using National Health and Nutrition Examination Survey. Nutrients. 2023 Feb 6;15(4):831
16. Jachimowicz-Rogowska K, Winiarska-Mieczan A. Initiatives to Reduce the Content of Sodium in Food Products and Meals and Improve the Population's Health. Nutrients. 2023 May 19;15(10):2393

17. Bhat S, Marklund M, Henry ME, Appel LJ, Croft KD, Neal B, Wu JHY. A Systematic Review of the Sources of Dietary Salt Around the World. Adv Nutr. 2020 May 1;11(3):677-686
18. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31
19. Xu K, Cui X, Wang B, Tang Q, Cai J, Shen X. Healthy adult vegetarians have better renal function than matched omnivores: a cross-sectional study in China. BMC Nephrol. 2020;21(1):268
20. Ko GJ, Rhee CM, Kalantar-Zadeh K, Joshi S. The effects of high-protein diets on kidney health and longevity. J Am Soc Nephrol. 2020;31(8):1667-1679
21. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31
22. Soroka N, Silverberg DS, Greemland M, Birk Y, Blum M, Peer G, Iaina A. Comparison of a vegetable-based (soya) and an animal-based low-protein diet in predialysis chronic renal failure patients. Nephron. 1998;79(2):173-80
23. Brenner BM, Meyer TW, Hostetter TH. Dietary protein intake and the progressive nature of kidney disease: the role of hemodynamically mediated glomerular injury in the pathogenesis of progressive glomerular sclerosis in aging, renal ablation, and intrinsic renal disease. N Engl J Med. 1982 Sep 9;307(11):652-9
24. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31
25. Carrero JJ, González-Ortiz A, Avesani CM, et al. Plant-based diets to manage the risks and complications of chronic kidney disease. Nat Rev Nephrol. 2020;16(9):525-542
26. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31
27. Van den Berg E, Hospers FA, Navis G, Engberink MF, Brink EJ,Geleijnse JM, van Baak MA, Gans RO, Bakker SJ.Dietary acid loadand rapid progression to end-stage renal disease of diabetic nephropathyin Westernized South Asian people.J Nephrol24: 11–17, . 2011: 11–17,
28. Brenner BM, Meyer TW, Hostetter TH. Dietary protein intake and the progressive nature of kidney disease: the role of hemodynamically mediated glomerular injury in the pathogenesis of progressive glomerular sclerosis in aging, renal ablation, and intrinsic renal disease. N Engl J Med. 1982 Sep 9;307(11):652-9
29. Cosgrove K, Johnston CS. Examining the impact of adherence to a vegan diet on acid-base balance in healthy adults. Plant Foods Hum Nutr. 2017;72(3):308-313
30. Liu ZM, Ho SC, Chen YM, Tang N, Woo J. Effect of whole soy and purified isoflavone daidzein on renal function--a 6-month randomized controlled trial in equol-producing postmenopausal women with prehypertension. Clin Biochem. 2014 Sep;47(13-14):1250-6
31. Teixeira SR, Tappenden KA, Carson L, Jones R, Prabhudesai M, Marshall WP, Erdman JW Jr. Isolated soy protein consumption reduces urinary albumin excretion and improves the serum lipid profile in men with type 2 diabetes mellitus and nephropathy. J Nutr. 2004 Aug;134(8):1874-80
32. Barsotti G, Morelli E, Cupisti A, Bertoncini P, Giovannetti S. A special, supplemented 'vegan' diet for nephrotic patients. Am J Nephrol. 1991;11(5):380-5
33. Odermatt A. The Western-style diet: a major risk factor for impaired kidney function and chronic kidney disease. Am J Physiol Renal Physiol. 2011 Nov;301(5):F919-31
34. MacLaughlin HL, Friedman AN, Ikizler TA. Nutrition in Kidney Disease: Core Curriculum 2022. Am J Kidney Dis. 2022 Mar;79(3):437-449

35. Xu K, Cui X, Wang B, Tang Q, Cai J, Shen X. Healthy adult vegetarians have better renal function than matched omnivores: a cross-sectional study in China. BMC Nephrol. 2020;21(1):268
36. Carrero JJ, González-Ortiz A, Avesani CM, et al. Plant-based diets to manage the risks and complications of chronic kidney disease. Nat Rev Nephrol. 2020;16(9):525-542
37. Mafra, D., Borges, N.A., Lindholm, B. et al. Food as medicine: targeting the uraemic phenotype in chronic kidney disease. Nat Rev Nephrol. 2021;17, :153–171 (2021)
38. GBD 2017 Causes of Death Collaborators. Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2018 Nov 10;392(10159):1736-1788
39. Foreman KJ, et al. Forecasting life expectancy, years of life lost, and all-cause and cause-specific mortality for 250 causes of death: reference and alternative scenarios for 2016-40 for 195 countries and territories. Lancet. 2018 Nov 10;392(10159):2052-2090
40. Brenner BM, Meyer TW, Hostetter TH. Dietary protein intake and the progressive nature of kidney disease: the role of hemodynamically mediated glomerular injury in the pathogenesis of progressive glomerular sclerosis in aging, renal ablation, and intrinsic renal disease. N Engl J Med. 1982 Sep 9;307(11):652-9
41. Joshi S, Hashmi S, Shah S, Kalantar-Zadeh K. Plant-based diets for prevention and management of chronic kidney disease. Curr Opin Nephrol Hypertens. 2020 Jan;29(1):16-21
42. Lin J, Hu FB, Curhan GC. Associations of diet with albuminuria and kidney function decline. Clin J Am Soc Nephrol 2010; 5:836–843
43. Lin J, Fung TT, Hu FB, Curhan GC. Association of dietary patterns with albuminuria and kidney function decline in older white women: a subgroup analysis from the Nurses' Health Study. Am J Kidney Dis 2011; 57:245–254
44. Lew QJ, Jafar TH, Koh HW, et al. Red meat intake and risk of ESRD. J Am Soc Nephrol 2017; 28:304–312

Capítulo 10: Conclusiones de la primera parte

1. Johnston BC, Seivenpiper JL, Vernooij RWM, de Souza RJ, Jenkins DJA, Zeraatkar D, Bier DM, Guyatt GH. The Philosophy of Evidence-Based Principles and Practice in Nutrition. Mayo Clin Proc Innov Qual Outcomes. 2019 May 27;3(2):189-199
2. Kaegi-Braun N, Baumgartner A, Gomes F, Stanga Z, Deutz NE, Schuetz P. "Evidence-based medical nutrition - A difficult journey, but worth the effort!". Clin Nutr. 2020 Oct;39(10):3014-3018
3. Young, Pablo, Finn, Bárbara C, Bruetman, Julio E, Emery, John D. C, & Buzzi, Alfredo. (2012). William Osler: el hombre y sus descripciones. Revista médica de Chile,; 140(9), :1218-1227
4. Spence JD. Nutrition and Risk of Stroke. Nutrients. 2019 Mar 17;11(3):647

5. O'Connor EA, et al. Vitamin and Mineral Supplements for the Primary Prevention of Cardiovascular Disease and Cancer: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force. JAMA. 2022 Jun 21;327(23):2334-2347
6. Satia JA, Littman A, Slatore CG, Galanko JA, White E. Long-term use of beta-carotene, retinol, lycopene, and lutein supplements and lung cancer risk: results from the VITamins And Lifestyle (VITAL) study. Am J Epidemiol. 2009 Apr 1;169(7):815-28
7. Ojobor CC, O'Brien GM, Siervo M, Ogbonnaya C, Brandt K. Carrot intake is consistently negatively associated with cancer incidence: A systematic review and meta-analysis of prospective observational studies. Crit Rev Food Sci Nutr. 2023 Dec 17:1-13
8. Gardner CD, et al; American Heart Association Council on Lifestyle and Cardiometabolic Health. Popular Dietary Patterns: Alignment With American Heart Association 2021 Dietary Guidance: A Scientific Statement From the American Heart Association. Circulation. 2023 May 30;147(22):1715-1730
9. Everitt AV, Hilmer SN, Brand-Miller JC, Jamieson HA, Truswell AS, Sharma AP, Mason RS, Morris BJ, Le Couteur DG. Dietary approaches that delay age-related diseases. Clin Interv Aging. 2006;1(1):11-31
10. Levine ME, et al. Low protein intake is associated with a major reduction in IGF-1, cancer, and overall mortality in the 65 and younger but not older population. Cell Metab. 2014 Mar 4;19(3):407-17
11. Bauer J, et al. Evidence-based recommendations for optimal dietary protein intake in older people: a position paper from the PROT-AGE Study Group. J Am Med Dir Assoc. 2013 Aug;14(8):542-59
12. Zhou C, et al. Inverse Association Between Variety of Proteins With Appropriate Quantity From Different Food Sources and New-Onset Hypertension. Hypertension. 2022 May;79(5):1017-1027
13. Zhou C, et al. Variety and quantity of dietary protein intake from different sources and risk of new-onset diabetes: a Nationwide Cohort Study in China. BMC Med. 2022 Jan 13;20(1):6
14. Mathers JC. Dietary fibre and health: the story so far. Proc Nutr Soc. 2023 May;82(2):120-129
15. Ioniță-Mîndrican CB, et al. Therapeutic Benefits and Dietary Restrictions of Fiber Intake: A State of the Art Review. Nutrients. 2022 Jun 26;14(13):2641
16. Nogal A, Valdes AM & Menni C. The role of short-chain fatty acids in the interplay between gut microbiota and diet in cardio-metabolic health. Gut Microbes (2021) 13, 1
17. Xu X, Zhang J, Zhang Y, Qi H, Wang P. Associations between dietary fiber intake and mortality from all causes, cardiovascular disease and cancer: a prospective study. J Transl Med. 2022 Aug 2;20(1):344
18. Ramezani F, et al. Dietary fiber intake and all-cause and cause-specific mortality: An updated systematic review and meta-analysis of prospective cohort studies. Clin Nutr. 2024 Jan;43(1):65-83
19. Barber TM, Kabisch S, Pfeiffer AFH, Weickert MO. The Health Benefits of Dietary Fibre. Nutrients. 2020 Oct 21;12(10):3209
20. Barbara JR. Sensory-specific Saciety. Nutriotion reviews. 1986, 44 (3); 93)
21. Remick AK, Polivy J, Pliner P. Internal and external moderators of the effect of variety on food intake. Psychol Bull. 2009 May;135(3):434-51
22. Liu M, Liu C, Zhang Z, Zhou C, Li Q, He P, Zhang Y, Li H, Qin X. Quantity and variety of food groups consumption and the risk of diabetes in adults: A prospective cohort study. Clin Nutr. 2021 Dec;40(12):5710-5717
23. Yang S, et al. Variety and Quantity of Dietary-Insoluble Fiber Intake From Different Sources and Risk of New-Onset Diabetes. J Clin Endocrinol Metab. 2022 Dec 17;108(1):175-183

24. Ye Z, et al. Variety and quantity of dietary insoluble fiber intake from different sources and risk of new-onset hypertension. BMC Med. 2023 Feb 16;21(1):61
25. Hariharan R, Odjidja EN, Scott D, Shivappa N, Hébert JR, Hodge A, de Courten B. The dietary inflammatory index, obesity, type 2 diabetes, and cardiovascular risk factors and diseases. Obes Rev. 2022 Jan;23(1):e13349
26. Shivappa N, Godos J, Hébert JR, Wirth MD, Piuri G, Speciani AF, Grosso G. Dietary Inflammatory Index and Cardiovascular Risk and Mortality-A Meta-Analysis. Nutrients. 2018 Feb 12;10(2):200
27. Zuercher MD, et al. Dietary inflammatory index and cardiovascular disease risk in Hispanic women from the Women's Health Initiative. Nutr J. 2023 Jan 12;22(1):5
28. Dai YN, Yi-Wen Yu E, Zeegers MP, Wesselius A. The Association between Dietary Inflammatory Potential and Urologic Cancers: A Meta-analysis. Adv Nutr. 2024 Jan;15(1):100124
29. Lu DL, Ren ZJ, Zhang Q, Ren PW, Yang B, Liu LR, Dong Q. Meta-analysis of the association between the inflammatory potential of diet and urologic cancer risk. PLoS One. 2018 Oct 1;13(10):e0204845
30. Melo Van Lent D, et al. Higher Dietary Inflammatory Index scores are associated with brain MRI markers of brain aging: Results from the Framingham Heart Study Offspring cohort. Alzheimers Dement. 2023 Feb;19(2):621-631
31. Valibeygi A, et al R. Dietary inflammatory index (DII) is correlated with the incidence of non-alcoholic fatty liver disease (NAFLD): Fasa PERSIAN cohort study. BMC Nutr. 2023 Jul 11;9(1):84
32. Zhang Z, Wang L, Lin Z, Yan W, Chen J, Zhang X, Ye W, Li J, Li Z. Dietary inflammatory index and risk of non-alcoholic fatty liver disease and advanced hepatic fibrosis in US adults. Front Nutr. 2023 Jan 25;10:1102660
33. Nasab MG, Heidari A, Sedighi M, Shakerian N, Mirbeyk M, Saghazadeh A, Rezaei N. Dietary inflammatory index and neuropsychiatric disorders. Rev Neurosci. 2023 Jul 18;35(1):21-33
34. Gardner CD, et al. American Heart Association Council on Lifestyle and Cardiometabolic Health. Popular Dietary Patterns: Alignment With American Heart Association 2021 Dietary Guidance: A Scientific Statement From the American Heart Association. Circulation. 2023 May 30;147(22):1715-1730
35. Best Diets Overall 2024, U.S News A World Report. Acceso libre en: https://health.usnews.com/best-diet/best-diets-overall. Última consulta en Enero 2024
36. Clark MA, Springmann M, Hill J, Tilman D. Multiple health and environmental impacts of foods. Proc Natl Acad Sci U S A. 2019 Nov 12;116(46):23357-23362
37. Vitale M, et al. Legume Consumption and Blood Pressure Control in Individuals with Type 2 Diabetes and Hypertension: Cross-Sectional Findings from the TOSCA.IT Study. Nutrients. 2023 Jun 26;15(13):2895
38. Cramer H, Kessler CS, Sundberg T, et al. Characteristics of Americans choosing vegetarian and vegan diets for health reasons. J Nutr Educ Behav. 2017;49(7):561-567.e1
39. Trapp C, Barnard N, Katcher H. A plant-based diet for type 2 diabetes: scientific support and practical strategies. Diabetes Educ. 2010;36(1):33-48
40. Trapp C, Barnard N, Katcher H. A plant-based diet for type 2 diabetes: scientific support and practical strategies. Diabetes Educ. 2010;36(1):33-48
41. Radnitz C, Beezhold B, Dimatteo J. Investigation of lifestyle choices of individuals following a vegan diet for health and ethical reasons. Appetite. 2015;90:31-6
42. Dyett PA, Sabaté J, Haddad E, Rajaram S, Shavlik D. Vegan lifestyle behaviors: an exploration of congruence with health-related beliefs and assessed health indices. Appetite. 2013;67:119-24

43. Bleich SN, Bennett WL, Gudzune KA, Cooper LA. Impact of physician BMI on obesity care and beliefs. Obesity (Silver Spring). 2012;20(5):999–1005
44. Berry AC, Berry NA, Myers TS, Reznicek J, Berry BB. Physician body mass index and bias toward obesity documentation patterns. Ochsner J. 2018;18(1):66–71

Capítulo 11: Introducción al ¿Cómo?

1. Larson NI, Perry CL, Story M, Neumark-Sztainer D. Food preparation by young adults is associated with better diet quality. J Am Diet Assoc 2006;106:2001–2007
2. Chen RC-Y, Lee M-S, Chang Y-H, Wahlqvist ML. Cooking frequency may enhance survival in Taiwanese elderly. Public Health Nutrition. 2012;15(7):1142-1149

Capítulo 12: Las frutas y verduras

1. Lim SS, et al. A comparative risk assessment of burden of disease and injury attributable to 67 risk factors and risk factor clusters in 21 regions, 1990-2010: a systematic analysis for the Global Burden of Disease Study 2010. Lancet. 2012 Dec 15;380(9859):2224-60)
2. Tamakoshi A, Tamakoshi K, Lin Y, Yagyu K, Kikuchi S; JACC Study Group. Healthy lifestyle and preventable death: findings from the Japan Collaborative Cohort (JACC) Study. Prev Med. 2009 May;48(5):486-92
3. Morris MC, Wang Y, Barnes LL, Bennett DA, Dawson-Hughes B, Booth SL. Nutrients and bioactives in green leafy vegetables and cognitive decline: Prospective study. Neurology. 2018 Jan 16;90(3):e214-e222
4. Kovalskys I, et al; ELANS Study Group. Latin American consumption of major food groups: Results from the ELANS study. PLoS One. 2019 Dec 26;14(12):e0225101
5. Regnier F; Masullo A. Obésité, goûts et consommation : Intégration des normes d'alimentation et appartenance sociale. Revue Francaise De Sociologie. 2009. Vol 50,: pag 747
6. Thompson MD, Thompson HJ. Botanical diversity in vegetable and fruit intake: Potential health benefits [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010. 1–17 p
7. Pennington JAT, Fisher RA. Classification of fruits and vegetables. J Food Compos Anal. 2009;22(SUPPL.)
8. Thompson MD, Thompson HJ. Botanical diversity in vegetable and fruit intake: Potential health benefits [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010. 1–17 p

9. Blasa M, Gennari L, Angelino D, Ninfali P. Fruit and vegetable antioxidants in health [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010.; 37–58 p
10. Liu RH. Health benefits of fruit and vegetables are from additive and synergistic combinations of phytochemicals. Am J Clin Nutr. 2003;78(May):3–6
11. Kevin Range and DMYAM. Hormetic Dietary Phytochemicals. Bone. 2012;23(1):1–7
12. Muraki I, Imamura F, Manson JE, Hu FB, Willett WC, van Dam RM, Sun Q. Fruit consumption and risk of type 2 diabetes: results from three prospective longitudinal cohort studies. BMJ. 2013 Aug 28;347:f5001
13. Cooper AJ, et al. A prospective study of the association between quantity and variety of fruit and vegetable intake and incident type 2 diabetes. Diabetes Care. 2012 Jun;35(6):1293-300
14. Bhupathiraju SN, Tucker KL. Greater variety in fruit and vegetable intake is associated with lower inflammation in Puerto Rican adults. Am J Clin Nutr. 2011 Jan;93(1):37-46
15. Dias, João Silva. “Nutritional Quality and Health Benefits of Vegetables: A Review.” Food and Nutrition Sciences 3 (2012): 1354-1374
16. Büchner FL, et al. Variety in fruit and vegetable consumption and the risk of lung cancer in the European prospective investigation into cancer and nutrition. Cancer Epidemiol Biomarkers Prev. 2010 Sep;19(9):2278-86
17. Minich DM. A Review of the Science of Colorful, Plant-Based Food and Practical Strategies for "Eating the Rainbow". J Nutr Metab. 2019 Jun 2;2019:2125070
18. Hoffman J. B., Petriello M. C., Hennig B. Impact of nutrition on pollutant toxicity: an update with new insights into epigenetic regulation. Reviews on Environmental Health. 2017;32(1-2):65–72
19. Petriello M. C., et al. Modulation of persistent organic pollutant toxicity through nutritional intervention: emerging opportunities in biomedicine and environmental remediation. Science of The Total Environment. 2014;491-492:11–16
20. Hennig B., Petriello M. C., Gamble M. V., et al. The role of nutrition in influencing mechanisms involved in environmentally mediated diseases. Reviews on Environmental Health. 2018;33(1):87–97
21. Ozcan T, Akpinar-Bayizit A, Yilmaz-Ersan L, Delikanli B. Phenolics in Human Health. Int J Chem Eng Appl. 2014;5(5):393–6
22. Liu RH. Health-Promoting Components of Fruits and Vegetables in the Diet. Adv Nutr. 2013;4(3):384S-392S
23. Cömert ED, Mogol BA, Gökmen V. Relationship between color and antioxidant capacity of fruits and vegetables. Curr Res Food Sci. 2019 Nov 21;2:1-10
24. Wolfe KL, Kang X, He X, Dong M, Zhang Q, Liu RH. Cellular antioxidant activity of common fruits. J Agric Food Chem. 2008;56(18):8418–26
25. Song W, Derito CM, Liu MK, He X, Dong M, Liu RH. Cellular antioxidant activity of common vegetables. J Agric Food Chem. 2010;58(11):6621–9
26. Liu R. H. Dietary bioactive compounds and their health implications. Journal of Food Science. 2013;78(1):A18–A25
27. Mujcic R., Oswald A. J. Evolution of well-being and happiness after increases in consumption of fruit and vegetables. American Journal of Public Health. 2016;106(8):1504–1510
28. Nguyen B., Ding D., Mihrshahi S. Fruit and vegetable consumption and psychological distress: cross-sectional and longitudinal analyses based on a large Australian sample. BMJ Open. 2017;7(3)

29. Conner T. S., Brookie K. L., Richardson A. C., Polak M. A. On carrots and curiosity: eating fruit and vegetables is associated with greater flourishing in daily life. British Journal of Health Psychology. 2015;20(2):413–427
30. Wahl D. R., et al. Healthy food choices are happy food choices: evidence from a real life sample using smartphone based assessments. Scientific Reports. 2017;7(1):p. 17069
31. Cömert ED, Mogol BA, Gökmen V. Relationship between color and antioxidant capacity of fruits and vegetables. Curr Res Food Sci. 2019 Nov 21;2:1-10
32. Aune D, et al. Fruit and vegetable intake and the risk of cardiovascular disease, total cancer and all-cause mortality-a systematic review and dose-response meta-analysis of prospective studies. Int J Epidemiol. 2017 Jun 1;46(3):1029-1056
33. Halvorsen RE, Elvestad M, Molin M, Aune D. Fruit and vegetable consumption and the risk of type 2 diabetes: a systematic review and dose-response meta-analysis of prospective studies. BMJ Nutr Prev Health. 2021 Jul 2;4(2):519-531
34. Wang X, Ouyang Y, Liu J, Zhu M, Zhao G, Bao W et al. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: systematic review and dose-response meta-analysis of prospective cohort studies BMJ 2014; 349 :g4490
35. Ghoreishy SM, Asoudeh F, Jayedi A, Mohammadi H. Fruit and vegetable intake and risk of frailty: A systematic review and dose response meta-analysis. Ageing Res Rev. 2021 Nov;71:101460
36. Wu, L., Sun, D. & He, Y. Fruit and vegetables consumption and incident hypertension: dose–response meta-analysis of prospective cohort studies. J Hum Hypertens 30, 573–580 (2016)
37. Chlesinger S, et al. Food Groups and Risk of Overweight, Obesity, and Weight Gain: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2019 Mar 1;10(2):205-218
38. GBD 2017 Diet Collaborators. Health effects of dietary risks in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2019 May 11;393(10184):1958-1972
39. Wang X, et al. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: systematic review and dose-response meta-analysis of prospective cohort studies. BMJ. 2014; 349:g4490
40. Aune D, et al. Fruit and vegetable intake and the risk of cardiovascular disease, total cancer and all-cause mortality-a systematic review and dose-response meta-analysis of prospective studies. Int J Epidemiol. 2017 Jun 1;46(3):1029-1056
41. World Cancer Research Fund/American Institute for Cancer Research. Food, Nutrition, Physical Activity, and the Prevention of Cancer: a Global Perspective. Washington DC: American Institute for Cancer Research; 2007. (http://www.aicr.org/assets/docs/pdf/reports/Second_Expert_Report.pdf
42. Libre acceso en: https://www.wcrf.org/int/continuous-update-project. Última consulta: Febrero de 2024
43. Niu K, Lyu Q, Zhang S, Wang C, Mao Z, Cui S, Gu R, Li L. The dose-response relationship of fruit and vegetable intake and risk of type 2 diabetes among rural China: The Henan Rural Cohort study. Prim Care Diabetes. 2023 Apr;17(2):161-167
44. Wu Y, Zhang D, Jiang X, Jiang W. Fruit and vegetable consumption and risk of type 2 diabetes mellitus: a dose-response meta-analysis of prospective cohort studies. Nutr Metab Cardiovasc Dis. 2015 Feb;25(2):140-7

45. Halvorsen RE, Elvestad M, Molin M, Aune D. Fruit and vegetable consumption and the risk of type 2 diabetes: a systematic review and dose-response meta-analysis of prospective studies. BMJ Nutr Prev Health. 2021 Jul 2;4(2):519-531
46. Niu K, Lyu Q, Zhang S, Wang C, Mao Z, Cui S, Gu R, Li L. The dose-response relationship of fruit and vegetable intake and risk of type 2 diabetes among rural China: The Henan Rural Cohort study. Prim Care Diabetes. 2023 Apr;17(2):161-167
47. Halvorsen RE, Elvestad M, Molin M, Aune D. Fruit and vegetable consumption and the risk of type 2 diabetes: a systematic review and dose-response meta-analysis of prospective studies. BMJ Nutr Prev Health. 2021 Jul 2;4(2):519-531
48. Muraki I, Imamura F, Manson JE, Hu FB, Willett WC, van Dam RM, Sun Q. Fruit consumption and risk of type 2 diabetes: results from three prospective longitudinal cohort studies. BMJ. 2013 Aug 28;347:f5001
49. Fernandes A, Mateus N, de Freitas V. Polyphenol-Dietary Fiber Conjugates from Fruits and Vegetables: Nature and Biological Fate in a Food and Nutrition Perspective. Foods. 2023 Mar 1;12(5):1052
50. Manach C, Scalbert A, Morand C, Rémésy C, Jiménez L. Polyphenols: food sources and bioavailability. Am J Clin Nutr. 2004 May;79(5):727-47
51. Pérez-Jiménez J, et al. Bioavailability of phenolic antioxidants associated with dietary fiber: plasma antioxidant capacity after acute and long-term intake in humans. Plant Foods Hum Nutr. 2009 Jun;64(2):102-7
52. D'Archivio M, Filesi C, Varì R, Scazzocchio B, Masella R. Bioavailability of the polyphenols: status and controversies. Int J Mol Sci. 2010 Mar 31;11(4):1321-42
53. Fernandes A, Mateus N, de Freitas V. Polyphenol-Dietary Fiber Conjugates from Fruits and Vegetables: Nature and Biological Fate in a Food and Nutrition Perspective. Foods. 2023 Mar 1;12(5):1052)
54. (Chen M., Guo L., Nsor-Atindana J., Goff H.D., Zhang W., Zhong F. The effect of viscous soluble dietary fiber on nutrient digestion and metabolic responses II: In vivo digestion process. Food Hydrocoll. 2020;107:105908
55. DiMeglio DP, Mattes RD. Liquid versus solid carbohydrate: effects on food intake and body weight. Int J Obes Relat Metab Disord. 2000 Jun;24(6):794-800
56. Müller M., Canfora E.E., Blaak E.E. Gastrointestinal Transit Time, Glucose Homeostasis and Metabolic Health: Modulation by Dietary Fibers. Nutrients. 2018;10:275
57. Cassidy Y.M., McSorley E.M., Allsopp P.J. Effect of soluble dietary fibre on postprandial blood glucose response and its potential as a functional food ingredient. J. Funct. Foods. 2018;46:423–439
58. U.S. Department of Agriculture. U.S. Department of Health and Human Services. Dietary Guidelines for Americans. 7th ed. U.S. Government Printing Office; Washington, DC, USA: 2010
59. Arranz S, Silván JM, Saura-Calixto F. Nonextractable polyphenols, usually ignored, are the major part of dietary polyphenols: a study on the Spanish diet. Mol Nutr Food Res. 2010 Nov;54(11):1646-58
60. Ruxton CHS, Myers M. Fruit Juices: Are They Helpful or Harmful? An Evidence Review. Nutrients. 2021 May 27;13(6):1815
61. Nguyen M, Jarvis SE, Chiavaroli L, Mejia SB, Zurbau A, Khan TA, Tobias DK, Willett WC, Hu FB, Hanley AJ, Birken CS, Sievenpiper JL, Malik VS. Consumption of 100% Fruit Juice and Body Weight in Children and Adults: A Systematic Review and Meta-Analysis. JAMA Pediatr. 2024 Jan 16:e236124
62. Xu X, Grafenauer S, Barr ML, Schutte AE. Impact of Fruit and Fruit Juice on Death and Disease Incidence: A Sex-Specific Longitudinal Analysis of 18 603 Adults. J Am Heart Assoc. 2023 Dec 5;12(23):e030199

63. Gonzalez JT. Are all sugars equal? Role of the food source in physiological responses to sugars with an emphasis on fruit and fruit juice. Eur J Nutr. 2024 Mar 16
64. Makkes S., Montenegro B.G., Groeneveld I.F., Doak C.M., Solomons N.W. Beverage consumption and anthropometric outcomes among schoolchildren in Guatemala. Matern. Child. Nutr. 2011;7:410–420
65. Feng Q, et al. Raw and Cooked Vegetable Consumption and Risk of Cardiovascular Disease: A Study of 400,000 Adults in UK Biobank. Front Nutr. 2022 Feb 21;9:831470
66. Oude Griep LM, Geleijnse JM, Kromhout D, Ocké MC, Verschuren WM. Raw and processed fruit and vegetable consumption and 10-year coronary heart disease incidence in a population-based cohort study in the Netherlands. PLoS One. 2010 Oct 25;5(10):e13609
67. Wang X, et al. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: systematic review and dose-response meta-analysis of prospective cohort studies BMJ 2014; 349 :g4490
68. Gliszczyńska-Swigło A, Ciska E, Pawlak-Lemańska K, Chmielewski J, Borkowski T, Tyrakowska B. Changes in the content of health-promoting compounds and antioxidant activity of broccoli after domestic processing. Food Addit Contam. 2006 Nov;23(11):1088-98
69. Rumm-Kreuter D, Demmel I. Comparison of Vitamin Losses in Vegetables Due to Various Cooking Methods. J Nutr Sci Vitaminol (Tokyo). 1990;36(4):S35–45
70. Ghavami A, Coward WA, Bluck LJ. The effect of food preparation on the bioavailability of carotenoids from carrots using intrinsic labelling. Br J Nutr. 2012 May;107(9):1350-66
71. Böhm V, Bitsch R. Intestinal absorption of lycopene from different matrices and interactions to other carotenoids, the lipid status, and the antioxidant capacity of human plasma. Eur J Nutr. 1999 Jun;38(3):118-25
72. Jiménez-Monreal AM, García-Diz L, Martínez-Tomé M, Mariscal M, Murcia MA. Influence of cooking methods on antioxidant activity of vegetables. J Food Sci. 2009 Apr;74(3):H97-H103
73. Jiménez-Monreal AM, García-Diz L, Martínez-Tomé M, Mariscal M, Murcia MA. Influence of cooking methods on antioxidant activity of vegetables. J Food Sci. 2009 Apr;74(3):H97-H103
74. 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):580–8
75. Higdon JV, Delage B, Williams DE, Dashwood RH. Cruciferous vegetables and human cancer risk: Epidemiologic evidence and mechanistic basis. Pharmacol Res. 2007;55:224–36
76. James JB, Ngarmsak T, Rolle RS. Processing of fresh-cut tropical fruits and vegetables: A Technical Guide. FAO Agricultural Service Bulletin. 2011. 1–86 p. Disponible en: http://www.fao.org/3/i1909e/i1909e00.pdf
77. Nandini DB, Rao RS, Deepak BS, Reddy PB. Sulforaphane in broccoli: The green chemoprevention!! Role in cancer prevention and therapy. J Oral Maxillofac Pathol. 2020 May-Aug;24(2):405
78. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44
79. Blasa M, Gennari L, Angelino D, Ninfali P. Fruit and vegetable antioxidants in health [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010. ; 37–58 p
80. Blasa M, Gennari L, Angelino D, Ninfali P. Fruit and vegetable antioxidants in health [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010.; 37–58 p
81. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44

82. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44
83. Hunter KJ, Fletcher JM. The antioxidant activity and composition of fresh, frozen, jarred and canned vegetables. Innov Food Sci Emerg Technol. 2002;3(4):399–406
84. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44
85. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen, and canned fruits and vegetables II. Vitamin A and carotenoids, vitamin E, minerals and fiber. J Sci Food Agric. 2007;87:1185–96
86. Wang S, Meckling KA, Marcone MF, Kakuda Y, Tsao R. Synergistic, additive, and antagonistic effects of food mixtures on total antioxidant capacities. J Agric Food Chem. 2011 Feb 9;59(3):960-8
87. Hidalgo M, et al. Flavonoid–flavonoid interaction and its effect on their antioxidant activity. Food Chem. (2010) Volume 121, Issue 3, 1, Pages 691-696
88. Wang S, Meckling KA, Marcone MF, Kakuda Y, Tsao R. Synergistic, additive, and antagonistic effects of food mixtures on total antioxidant capacities. J Agric Food Chem. 2011 Feb 9;59(3):960-8
89. Chen X, Li H, Zhang B, Deng Z. The synergistic and antagonistic antioxidant interactions of dietary phytochemical combinations. Crit Rev Food Sci Nutr. 2022;62(20):5658-5677
90. Atrahimovich D, Avni D, Khatib S. Flavonoids-Macromolecules Interactions in Human Diseases with Focus on Alzheimer, Atherosclerosis and Cancer. Antioxidants (Basel). 2021 Mar 10;10(3):423
91. Cui H, Yang Y, Bian L, He M. [Effect of food composition of mixed food on glycemic index]. Wei Sheng Yan Jiu. 1999 Nov;28(6):356-8
92. Cömert ED, Gökmen V. Effect of food combinations and their co-digestion on total antioxidant capacity under simulated gastrointestinal conditions. Curr Res Food Sci. 2022 Feb 17;5:414-422
93. Ozcan T, Akpinar-Bayizit A, Yilmaz-Ersan L, Delikanli B. Phenolics in Human Health. Int J Chem Eng Appl. 2014;5(5):393–6
94. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44
95. Blasa M, Gennari L, Angelino D, Ninfali P. Fruit and vegetable antioxidants in health [Internet]. First Edit. Bioactive Foods in Promoting Health. Elsevier Inc.; 2010. 37–58 p.
96. Nandini DB, Rao RS, Deepak BS, Reddy PB. Sulforaphane in broccoli: The green chemoprevention!! Role in cancer prevention and therapy. J Oral Maxillofac Pathol. 2020 May-Aug;24(2):405
97. Rickman JC, Christine MB, Barrett DM. Nutritional comparison of fresh, frozen and canned fruits and vegetables. Part 1. Vitamins C and B and phenolic compounds. J Sci Food Agric. 2007;87:930–44
98. Zaripheh S, Erdman JW. Factors That Influence the Bioavailablity of Xanthophylls. J Nutr. 2002;(132):531–4
99. Kopec RE, et al. Avocado Consumption Enhances Human Postprandial Provitamin A Absorption and Conversion from a Novel High–β-Carotene Tomato Sauce and from Carrots. J Nutr. 2014;144(8):1158–66
100. Unlu NZ, Bohn T, Clinton SK, Schwartz SJ. Carotenoid Absorption from Salad and Salsa by Humans Is Enhanced by the Addition of Avocado or Avocado Oil. J Nutr. 2005;135(3):431–6
101. Ellouze I, Akhavan N, Singar S, Dawkins K, Nagpal R, Arjmandi B. The Relationship of Fruits and Fruit-Products Consumption with Glucose Homeostasis and Diabetes: A Comprehensive Update on the Current Clinical Literature. Dietetics. 2023; 2(3):237-266
102. Shin JY, Kim JY, Kang HT, et al. Effect of fruits and vegetables on metabolic syndrome: A systematic reviewand meta-analysis of randomized controlled trials. Int J Food Sci Nutr 2015;66:416–25

103. Wang X, Ouyang Y, Liu J, et al. Fruit and vegetable consumption and mortality from all causes, cardiovascular disease, and cancer: Systematic review and dose-response meta-analysis of prospective cohort studies. BMJ 2014;349:g4490
104. Hegde SV, Adhikari P, Nandini M, et al. Effect of daily supplementation of fruits on oxidative stress indices and glycaemic status in type 2 diabetes mellitus. Complement Ther Clin Pract 2013;19:97–100
105. Moazen S, Amani R, Homayouni Rad A, et al. Effects of freeze-dried strawberry supplementation on metabolic biomarkers of atherosclerosis in subjects with type 2 diabetes: A randomized double-blind controlled trial. Ann Nutr Metab 2013;63:256–64
106. Ellouze I, Akhavan N, Singar S, Dawkins K, Nagpal R, Arjmandi B. The Relationship of Fruits and Fruit-Products Consumption with Glucose Homeostasis and Diabetes: A Comprehensive Update on the Current Clinical Literature. Dietetics. 2023; 2(3):237-266. https://doi.org/10.3390/dietetics2030018
107. Imai S, Matsuda M, Hasegawa G, et al. A simple meal plan of “eating vegetables before carbohydrate”was more effective for achieving glycemic control than an exchange-based meal plan in Japanese patients with type 2 diabetes. Asia Pac J Clin Nutr 2011;20:161–8
108. Diabetes Canada Clinical Practice Guidelines Expert Committee. Diabetes Canada 2018 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada. Can J Diabetes. 2018;42(Suppl 1):S1-S325
109. American Diabetes Association Professional Practice Committee; 3. Prevention or Delay of Diabetes and Associated Comorbidities: Standards of Care in Diabetes—2024. Diabetes Care 1 January 2024; 47 (Supplement_1): S43–S51
110. Sharma SP, Chung HJ, Kim HJ, Hong ST. Paradoxical Effects of Fruit on Obesity. Nutrients. 2016 Oct 14;8(10):633
111. Mozaffarian D, Hao T, Rimm EB, Willett WC, Hu FB. Changes in diet and lifestyle and long-term weight gain in women and men. N Engl J Med. 2011 Jun 23;364(25):2392-404
112. Dreher ML, Ford NA. A Comprehensive Critical Assessment of Increased Fruit and Vegetable Intake on Weight Loss in Women. Nutrients. 2020 Jun 29;12(7):1919
113. Palomar-Cros A, Andreeva VA, Fezeu LK, Julia C, Bellicha A, Kesse-Guyot E, Hercberg S, Romaguera D, Kogevinas M, Touvier M, Srour B. Dietary circadian rhythms and cardiovascular disease risk in the prospective NutriNet-Santé cohort. Nat Commun. 2023 Dec 14;14(1):7899
114. Poggiogalle E, Jamshed H, Peterson CM. Circadian regulation of glucose, lipid, and energy metabolism in humans. Metabolism. 2018 Jul;84:11-27
115. Henry CJ, Kaur B, Quek RYC. Chrononutrition in the management of diabetes. Nutr Diabetes. 2020 Feb 19;10(1):6
116. Papakonstantinou E, Oikonomou C, Nychas G, Dimitriadis GD. Effects of Diet, Lifestyle, Chrononutrition and Alternative Dietary Interventions on Postprandial Glycemia and Insulin Resistance. Nutrients. 2022 Feb 16;14(4):823
117. Rahman A, Baharlouei P, Koh EHY, Pirvu DG, Rehmani R, Arcos M, Puri S. A Comprehensive Analysis of Organic Food: Evaluating Nutritional Value and Impact on Human Health. Foods. 2024 Jan 9;13(2):208
118. Gundala R.R., Singh A. What motivates consumers to buy organic foods? Results of an empirical study in the United States. PLoS ONE. 2021;16:e0257288
119. Hamzaoui Essoussi L., Zahaf M. Exploring the Decision-making Process of Canadian Organic Food Consumers: Motivations and Trust Issues. Qual. Mark. Res. Int. J. 2009;12:443–459

120. Yu X., Guo L., Jiang G., Song Y., Muminov M.A. Advances of Organic Products over Conventional Productions with Respect to Nutritional Quality and Food Security. Acta Ecol. Sin. 2018;38:53–60
121. Rahman A, Baharlouei P, Koh EHY, Pirvu DG, Rehmani R, Arcos M, Puri S. A Comprehensive Analysis of Organic Food: Evaluating Nutritional Value and Impact on Human Health. Foods. 2024 Jan 9;13(2):208
122. Cruz-Carrión Á, Ruiz de Azua MJ, Muguerza B, Mulero M, Bravo FI, Arola-Arnal A, Suarez M. Organic vs. Non-Organic Plant-Based Foods-A Comparative Study on Phenolic Content and Antioxidant Capacity. Plants (Basel). 2023 Jan 1;12(1):183
123. Vigar V, Myers S, Oliver C, Arellano J, Robinson S, Leifert C. A Systematic Review of Organic Versus Conventional Food Consumption: Is There a Measurable Benefit on Human Health? Nutrients. 2019 Dec 18;12(1):7
124. Rahman A, Baharlouei P, Koh EHY, Pirvu DG, Rehmani R, Arcos M, Puri S. A Comprehensive Analysis of Organic Food: Evaluating Nutritional Value and Impact on Human Health. Foods. 2024 Jan 9;13(2):208
125. Giampieri F, Mazzoni L, Cianciosi D, Alvarez-Suarez JM, Regolo L, Sánchez-González C, Capocasa F, Xiao J, Mezzetti B, Battino M. Organic vs conventional plant-based foods: A review. Food Chem. 2022 Jul 30;383:132352
126. Brantsæter AL, Ydersbond TA, Hoppin JA, Haugen M, Meltzer HM. Organic Food in the Diet: Exposure and Health Implications. Annu Rev Public Health. 2017 Mar 20;38:295-313
127. Acceso libre. Disponible en https://www.ewg.org/foodnews/summary.php. Último acceso en Febrero de 2024
128. Winter CK. Pesticide residues in imported, organic, and "suspect" fruits and vegetables. J Agric Food Chem. 2012 May 9;60(18):4425-9
129. Gonzalez JT. Are all sugars equal? Role of the food source in physiological responses to sugars with an emphasis on fruit and fruit juice. Eur J Nutr. 2024 Mar 16
130. Guideline: Sugars Intake for Adults and Children. Geneva: World Health Organization; 2015. Disponible en: https://www.ncbi.nlm.nih.gov/books/NBK285537/. Ultimo acceso Febrero 2024
131. Sun T, Zhang Y, Ding L, Zhang Y, Li T, Li Q. The Relationship Between Major Food Sources of Fructose and Cardiovascular Outcomes: A Systematic Review and Dose-Response Meta-Analysis of Prospective Studies. Adv Nutr. 2023 Mar;14(2):256-269

Capítulo 13: Cómo comer las legumbres

1. Darmadi-Blackberry I, Wahlqvist ML, Kouris-Blazos A, Steen B, Lukito W, Horie Y, Horie K. Legumes: the most important dietary predictor of survival in older people of different ethnicities. Asia Pac J Clin Nutr. 2004;13(2):217-20
2. Fadnes LT, Økland JM, Haaland ØA, Johansson KA. Estimating impact of food choices on life expectancy: A modeling study. PLoS Med. 2022 Feb 8;19(2):e1003889

3. Mullins AP, Arjmandi BH. Health Benefits of Plant-Based Nutrition: Focus on Beans in Cardiometabolic Diseases. Nutrients. 2021 Feb 5;13(2):519
4. Hughes J, Pearson E, Grafenauer S. Legumes-A Comprehensive Exploration of Global Food-Based Dietary Guidelines and Consumption. Nutrients. 2022 Jul 27;14(15):3080
5. Drewnowski A. The Nutrient Rich Foods Index helps to identify healthy, affordable foods. Am. J. Clin. Nutr. 2010;91:1095S–1101S
6. Mitchell DC, Lawrence FR, Hartman TJ. Consumption of dry beans, peas, and lentils could improve diet quality in the U.S. population. J Am Diet Assoc 2009;109:909–1013
7. Afshin A, Micha R, Khatibzadeh S, et al. Consumption of nuts and legumes and risk of incident ischemic heart disease, stroke, and diabetes: A systematic review and meta-analysis. Am J Clin Nutr 2014;100:278–88
8. World Cancer Research Fund/American Institute for Cancer Research, «Food, Nutrition, Physical Activity, and the Prevention of Cancer: a Global Perspective», en AICR, Washington, D. C., 2007
9. Darmadi-Blackberry I, Wahlqvist ML, Kouris-Blazos A, Steen B, Lukito W, Horie Y, Horie K. Legumes: the most important dietary predictor of survival in older people of different ethnicities. Asia Pac J Clin Nutr. 2004;13(2):217-20
10. Kim SJ, et al. Effects of dietary pulse consumption on body weight: a systematic review and meta-analysis of randomized controlled trials. Am J Clin Nutr. 2016 May;103(5):1213-23
11. Clarke ST, Sarfaraz S, Qi X, Ramdath DG, Fougere GC, Ramdath DD. A Review of the Relationship between Lentil Serving and Acute Postprandial Blood Glucose Response: Effects of Dietary Fibre, Protein and Carbohydrates. Nutrients. 2022 Feb 18;14(4):849
12. Jenkins DJ, Wolever TM, Taylor RH, Griffiths C, Krzeminska K, Lawrie JA, Bennett CM, Goff DV, Sarson DL, Bloom SR. Slow release dietary carbohydrate improves second meal tolerance. Am J Clin Nutr. 1982 Jun;35(6):1339-46
13. Mollard RC, Wong CL, Luhovyy BL, Anderson GH. First and second meal effects of pulses on blood glucose, appetite, and food intake at a later meal. Appl Physiol Nutr Metab. 2011 Oct;36(5):634-42
14. Mollard RC, Wong CL, Luhovyy BL, Anderson GH. First and second meal effects of pulses on blood glucose, appetite, and food intake at a later meal. Appl Physiol Nutr Metab. 2011 Oct;36(5):634-42
15. Sievenpiper JL, Kendall CW, Esfahani A, et al. Effect of non-oil-seed pulses on glycaemic control: A systematic reviewand meta-analysis of randomised controlled experimental trials in people with and without diabetes. Diabetologia2009;52:1479–95
16. Ha V, Sievenpiper JL, de Souza RJ, et al. Effect of dietary pulse intake on established therapeutic lipid targets for cardiovascular risk reduction: A systematic review and meta-analysis of randomized controlled trials. CMAJ 2014;186:E252–62
17. Jayalath VH, de Souza RJ, Sievenpiper JL, et al. Effect of dietary pulses on blood pressure: A systematic review and meta-analysis of controlled feeding trials. Am J Hypertens 2014;27:56–64
18. Kim SJ, de Souza RJ, Choo VL, et al. Effects of dietary pulse consumption on body weight: A systematic review and meta-analysis of randomized controlled trials. Am J Clin Nutr 2016;103:1213–23
19. Yin L, Dong X, Liao W, Liu X, Zheng Z, Liu D, Wang C, Liu Z. Relationships of beans intake with chronic kidney disease in rural adults: A large-scale cross-sectional study. Front Nutr. 2023 Apr 4;10:1117517

20. Diabetes Canada Clinical Practice Guidelines Expert Committee. Diabetes Canada 2018 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada. Can J Diabetes. 2018;42(Suppl 1):S1-S325
21. Venn BJ, Mann JI. Cereal grains, legumes and diabetes. Eur J Clin Nutr. 2004 Nov;58(11):1443-61
22. Li SS, Kendall CW, de Souza RJ, Jayalath VH, Cozma AI, Ha V, Mirrahimi A, Chiavaroli L, Augustin LS, Blanco Mejia S, Leiter LA, Beyene J, Jenkins DJ, Sievenpiper JL. Dietary pulses, satiety and food intake: a systematic review and meta-analysis of acute feeding trials. Obesity (Silver Spring). 2014 Aug;22(8):1773-80
23. Kim SJ, et al. Effects of dietary pulse consumption on body weight: a systematic review and meta-analysis of randomized controlled trials. Am J Clin Nutr. 2016 May;103(5):1213-23
24. Venn BJ, Mann JI. Cereal grains, legumes and diabetes. Eur J Clin Nutr. 2004 Nov;58(11):1443-61
25. Reister EJ, Belote LN, Leidy HJ. The Benefits of Including Hummus and Hummus Ingredients into the American Diet to Promote Diet Quality and Health: A Comprehensive Review. Nutrients. 2020 Nov 28;12(12):3678)
26. Wallace TC, Murray R, Zelman KM. The Nutritional Value and Health Benefits of Chickpeas and Hummus. Nutrients. 2016 Nov 29;8(12):766
27. Reister EJ, Belote LN, Leidy HJ. The Benefits of Including Hummus and Hummus Ingredients into the American Diet to Promote Diet Quality and Health: A Comprehensive Review. Nutrients. 2020 Nov 28;12(12):3678
28. Reister EJ, Leidy HJ. An Afternoon Hummus Snack Affects Diet Quality, Appetite, and Glycemic Control in Healthy Adults. J Nutr. 2020 Aug 1;150(8):2214-2222
29. Wallace TC, Murray R, Zelman KM. The Nutritional Value and Health Benefits of Chickpeas and Hummus. Nutrients. 2016 Nov 29;8(12):766
30. Augustin LS, Chiavaroli L, Campbell J, Ezatagha A, Jenkins AL, Esfahani A, Kendall CW. Post-prandial glucose and insulin responses of hummus alone or combined with a carbohydrate food: a dose-response study. Nutr J. 2016 Jan 27;15:13
31. Reister EJ, Belote LN, Leidy HJ. The Benefits of Including Hummus and Hummus Ingredients into the American Diet to Promote Diet Quality and Health: A Comprehensive Review. Nutrients. 2020 Nov 28;12(12):3678
32. Nath, H. Beneficial attributes and adverse effects of major plant-based foods anti-nutrients on health: A review. Human Nutrition & Metabolism. (2022); Volume 28,: 200147
33. Akond A.G.M., Crawford H., Berthold J., Talukder Z.I., Hossain K. Minerals (Zn, Fe, Ca and Mg) and Antinutrient (Phytic Acid) Constituents in Common Bean. Am. J. Food Technol. 2011;6:235–243
34. Salim R, Nehvi IB, Mir RA, Tyagi A, Ali S, Bhat OM. A review on anti-nutritional factors: unraveling the natural gateways to human health. Front Nutr. 2023 Aug 31;10:1215873
35. Rochfort S., Panozzo J. Phytochemicals for Health, the Role of Pulses. J. Agric. Food Chem. 2007;55:7981–7994
36. Messina V. Nutritional and health benefits of dried beans. Am. J. Clin. Nutr. 2014;100:437S–442S
37. Khokhar S, Apenten RK. Anti-nutritional factors in Food Legumes and effects of processing. In: Squires VR, editor. The Role of Food, Agriculture, Forestry and Fisheries in Human Nutrition. Oxford, UK: Encyclopedia of Life Support Systems; 2003. pp. 82-116
38. He S., Simpson B.K., Sun H., Ngadi M.O., Ma Y., Huang T. Phaseolus vulgaris lectins: A systematic review of characteristics and health implications. Crit. Rev. Food Sci. Nutr. 2017;58:70–83

39. Mullins AP, Arjmandi BH. Health Benefits of Plant-Based Nutrition: Focus on Beans in Cardiometabolic Diseases. Nutrients. 2021 Feb 5;13(2):519
40. M. Zanovec, C. O' Neil and T. Nicklas, "Comparison of Nutrient Density and Nutrient-to-Cost Between Cooked and Canned Beans," Food and Nutrition Sciences, 2011;Vol. 2 No. (2):, 2011, pp. 66-73
41. Polak R, Phillips EM, Campbell A. Legumes: Health Benefits and Culinary Approaches to Increase Intake. Clin Diabetes. 2015 Oct;33(4):198-205
42. Castiglia-Delavaud C, Verdier E, Besle JM, et al. Net energy value of nonstarch polysaccharide isolates (sugarbeet fibre and commercial inulin) and their impact on nutrient digestive utilization in healthy human subjects. Br J Nutr. 1998; 80(4):343–52
43. Cherbut C, Bruley des Varannes S, Schnee M, Rival M, Galmiche JP, Delort-Laval J. Involvement of small intestinal motility in blood glucose response to dietary fibre in man. Br J Nutr. 1994; 71(5):675–85
44. Howarth NC, Saltzman E, Roberts SB. Dietary fiber and weight regulation. Nutr Rev. 2001; 59(5):129–39
45. Desrochers N, Brauer PM. Legume promotion in counselling: an e-mail survey of dietitians. Can J Diet Pract Res. 2001 Winter;62(4):193-8
46. Winham DM, Hutchins AM. Perceptions of flatulence from bean consumption among adults in 3 feeding studies. Nutr J. 2011 Nov 21;10:128)
47. How you can limit your gas production. 12 tips for dealing with flatulence. Harv Health Lett. 2007 Oct;32(12):3
48. Winham DM, Hutchins AM. Perceptions of flatulence from bean consumption among adults in 3 feeding studies. Nutr J. 2011 Nov 21;10:128
49. McEligot AJ, Gilpin EA, Rock CL, Newman V, Hollenbach KA, Thomson CA, Pierce JP. High dietary fiber consumption is not associated with gastrointestinal discomfort in a diet intervention trial. J Am Diet Assoc. 2002 Apr;102(4):549-51
50. Sudesh Jood, Usha Mehta, Randhir Singh, and Cheranjit M. Bhat. Effect of processing on flatus-producing factors in legumes. Journal of Agricultural and Food Chemistry. 1985 33 (2), 268-271
51. Savitri, A., Bhavanishankar, T. N., Desikachar, H. S. R. Effect of spices on in vitro gas production by Clostridium perfringens. Food Microbiol.,1986;, 3,: pp. 195–199

Capítulo 14: Cómo comer los cereales integrales

1. GBD 2017 Diet Collaborators. Health effects of dietary risks in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. Lancet. 2019 May 11;393(10184):1958-1972
2. Wei X, Yang W, Wang J, Zhang Y, Wang Y, Long Y, Tan B, Wan X. Health Effects of Whole Grains: A Bibliometric Analysis. Foods. 2022 Dec 18;11(24):4094
3. Willett W, et al. Food in the Anthropocene: the EAT-Lancet Commission on healthy diets from sustainable food systems. Lancet. 2019 Feb 2;393(10170):447-492

4. Martini D, Tucci M, Bradfield J, Di Giorgio A, Marino M, Del Bo' C, Porrini M, Riso P. Principles of Sustainable Healthy Diets in Worldwide Dietary Guidelines: Efforts So Far and Future Perspectives. Nutrients. 2021 May 27;13(6):1827
5. FAO and WHO. 2019. Sustainable healthy diets – Guiding principles. Rome
6. Lefevre M, Jonnalagadda S. Effect of whole grains on markers of subclinical inflammation. Nutr Rev. 2012 Jul;70(7):387-96
7. Wei X, Yang W, Wang J, Zhang Y, Wang Y, Long Y, Tan B, Wan X. Health Effects of Whole Grains: A Bibliometric Analysis. Foods. 2022 Dec 18;11(24):4094) - (Slavin J. Whole grains and human health. Nutr Res Rev. 2004 Jun;17(1):99-110
8. Slavin J. Why whole grains are protective: biological mechanisms. Proc Nutr Soc. 2003 Feb;62(1):129-34
9. Anderson JW. Whole grains protect against atherosclerotic cardiovascular disease. Proc Nutr Soc. 2003 Feb;62(1):135-42
10. van der Kamp JW, Jones JM, Miller KB, Ross AB, Seal CJ, Tan B, Beck EJ. Consensus, Global Definitions of Whole Grain as a Food Ingredient and of Whole-Grain Foods Presented on Behalf of the Whole Grain Initiative. Nutrients. 2021 Dec 29;14(1):13
11. Slavin J. Whole grains and human health. Nutr Res Rev. 2004 Jun;17(1):99-110
12. van der Kamp JW, Jones JM, Miller KB, Ross AB, Seal CJ, Tan B, Beck EJ. Consensus, Global Definitions of Whole Grain as a Food Ingredient and of Whole-Grain Foods Presented on Behalf of the Whole Grain Initiative. Nutrients. 2021 Dec 29;14(1):138
13. Slavin J. Whole grains and human health. Nutr. Res. Rev. 2004;17:99–110
14. Knudsen K., Norskov N., Bolvig A., Hedemann M., Laerke H. Dietary fibers and associated phytochemicals in cereals. Mol. Nutr. Food Res. 2017;61:1600518
15. Kissock K., Neale E., Beck E. Whole grain food definition effects on determining associations of whole grain intake and body weight changes: A systematic review. Adv. Nutr. 2021;12:693–707
16. Kelly S., Hartley L., Loveman E., Colquitt J., Jones H., Al-Khudairy L., Clar C., Germano R., Lunn H., Frost G., et al. Whole grain cereals for the primary or secondary prevention of cardiovascular disease. Cochrane Database Syst. Rev. 2017;8:CD005051
17. Gaesser G. Whole grains, refined grains, and cancer risk: A systematic review of meta-analyses of observational studies. Nutrients. 2020;12:3756
18. Garutti M., Nevola G., Mazzeo R., Cucciniello L., Totaro F., Bertuzzi C., Caccialanza R., Pedrazzoli P., Puglisi F. The impact of cereal grain composition on the health and disease outcomes. Front. Nutr. 2022;9:888974
19. Slavin JL, Jacobs D, Marquart L. Grain processing and nutrition. Crit Rev Biotechnol. 2001;21(1):49-66
20. Aune D, et al. Whole grain consumption and risk of cardiovascular disease, cancer, and all cause and cause specific mortality: systematic review and dose-response meta-analysis of prospective studies. BMJ. 2016 Jun 14;353:i2716
21. Willett W., Rockström J., Loken B., Springmann M., Lang T., Vermeulen S., Garnett T., Tilman D., DeClerck F., Wood A., et al. Food in the Anthropocene: The EAT—Lancet Commission on healthy diets from sustainable food systems. Lancet. 2019;393:447–492
22. World Cancer Research Fund/American Institute for Cancer Research. Food, Nutrition, Physical Activity and the Prevention of Cancer: a Global Perspective. 2007. Disponible en: https://discovery.ucl.ac.uk/id/eprint/4841/1/4841.pdf

23. Hu H, et al. Consumption of whole grains and refined grains and associated risk of cardiovascular disease events and all-cause mortality: a systematic review and dose-response meta-analysis of prospective cohort studies. Am J Clin Nutr. 2023 Jan;117(1):149-159
24. Bechthold A, et al. Food groups and risk of coronary heart disease, stroke and heart failure: A systematic review and dose-response meta-analysis of prospective studies. Crit Rev Food Sci Nutr. 2019;59(7):1071-1090
25. Aune D, et al. Whole grain consumption and risk of cardiovascular disease, cancer, and all cause and cause specific mortality: systematic review and dose-response meta-analysis of prospective studies. BMJ. 2016 Jun 14;353:i2716
26. Pathan S, Siddiqui RA. Nutritional Composition and Bioactive Components in Quinoa (Chenopodium quinoa Willd.) Greens: A Review. Nutrients. 2022 Jan 27;14(3):558
27. Aune D, et al Whole grain consumption and risk of cardiovascular disease, cancer, and all cause and cause specific mortality: systematic review and dose-response meta-analysis of prospective studies. BMJ. 2016 Jun 14;353:i2716
28. Reynolds A, Mann J, Cummings J, Winter N, Mete E, Te Morenga L. Carbohydrate quality and human health: a series of systematic reviews and meta-analyses. Lancet. 2019 Feb 2;393(10170):434-445
29. O'Neil CE, Nicklas TA, Zanovec M, Cho S. Whole-grain consumption is associated with diet quality and nutrient intake in adults: the National Health and Nutrition Examination Survey, 1999-2004. J Am Diet Assoc. 2010 Oct;110(10):1461-8
30. Um CY, Peters BA, Choi HS, Oberstein P, Beggs DB, Usyk M, Wu F, Hayes RB, Gapstur SM, McCullough ML, Ahn J. Grain, Gluten, and Dietary Fiber Intake Influence Gut Microbial Diversity: Data from the Food and Microbiome Longitudinal Investigation. Cancer Res Commun. 2023 Jan 11;3(1):43-53
31. McCarter DF. Non-celiac gluten sensitivity: important diagnosis or dietary fad? Am Fam Physician. 2014 Jan 15;89(2):82-3
32. Forbes GM. If only my celiac patients and I knew that…. Clin Gastroenterol Hepatol. 2015 Mar;13(3):614-5
33. Marketsandmarkets.com. 2018. Gluten-free products market by type (bakery products, snacks & RTE products, pizzas & pastas, condiments & dressings), distribution channel (conventional stores, specialty stores, drugstores & pharmacies), and region – Global forecast to 2023. Accessed January 14, 2020. https://www.marketsandmarkets.com/Market-Reports/gluten-free-products-market-738.html
34. Kim HS, Patel KG, Orosz E, Kothari N, Demyen MF, Pyrsopoulos N, Ahlawat SK. Time Trends in the Prevalence of Celiac Disease and Gluten-Free Diet in the US Population: Results from the National Health and Nutrition Examination Surveys 2009-2014. JAMA Intern Med. 2016 Nov 1;176(11):1716-1717
35. Di Sabatino A, Corazza GR. Nonceliac gluten sensitivity: sense or sensibility? Ann Intern Med. 2012 Feb 21;156(4):309-11
36. Brockow Ket al. Using a gluten oral food challenge protocol to improve diagnosis of wheat-dependent exercise-induced anaphylaxis. J Allergy Clin Immunol. 2015 Apr;135(4):977-984.e4
37. Woomer JS, Adedeji AA. Current applications of gluten-free grains - a review. Crit Rev Food Sci Nutr. 2021;61(1):14-24
38. Pasha I, Saeed F, Sultan MT, Batool R, Aziz M, Ahmed W. Wheat Allergy and Intolerence; Recent Updates and Perspectives. Crit Rev Food Sci Nutr. 2016;56(1):13-24
39. Leonard MM, Serena G, Sturgeon C, Fasano A. Genetics and celiac disease: the importance of screening. Expert Rev Gastroenterol Hepatol. 2015;9(2):209-215

40. Catassi C, Gatti S, Fasano A. The new epidemiology of celiac disease. J Pediatr Gastroenterol Nutr. 2014 Jul;59 Suppl 1:S7-9
41. Leonard MM, Sapone A, Catassi C, Fasano A. Celiac Disease and Nonceliac Gluten Sensitivity: A Review. JAMA. 2017 Aug 15;318(7):647-656
42. Leonard MM, Serena G, Sturgeon C, Fasano A. Genetics and celiac disease: the importance of screening. Expert Rev Gastroenterol Hepatol. 2015;9(2):209-215
43. Hoy MK, Goldman JD. Fiber intake of the U.S. population: What We Eat in America, NHANES 2009-2010. 2014 Sep. In: FSRG Dietary Data Briefs [Internet]. Beltsville (MD): United States Department of Agriculture (USDA); 2010-. Dietary Data Brief No. 12. Available from: https://www.ncbi.nlm.nih.gov/books/NBK589559/)
44. Biesiekierski JR, Peters SL, Newnham ED, Rosella O, Muir JG, Gibson PR. No effects of gluten in patients with self-reported non-celiac gluten sensitivity after dietary reduction of fermentable, poorly absorbed, short-chain carbohydrates. Gastroenterology. 2013;145(2):320-328.e3
45. Tavakkoli A, Lewis SK, Tennyson CA, Lebwohl B, Green PH. Characteristics of patients who avoid wheat and/or gluten in the absence of Celiac disease. Dig Dis Sci. 2014 Jun;59(6):1255-61
46. Aziz I, Sanders DS. Patients who avoid wheat and gluten: is that health or lifestyle? Dig Dis Sci. 2014 Jun;59(6):1080-2
47. P. Milani, P. Torres-Aguilar, B. Hamaker, M. Manary, S. Abushamma, A. Laar, et al. The whole grain manifesto: from Green Revolution to Grain Evolution Glob. Food Secur., 34 (2022), Article 100649
48. Wells JCK, Stock JT. Life History Transitions at the Origins of Agriculture: A Model for Understanding How Niche Construction Impacts Human Growth, Demography and Health. Front Endocrinol (Lausanne). 2020 May 21;11:325
49. Maher LA, Richter T, Stock JT. The pre-natufian epipaleolithic: long-term behavioral trends in the levant. Evol Anthropol. (2012) 21:69–81. 10.1002/evan.21307
50. Arranz-Otaegui A, Gonzalez Carretero L, Ramsey MN, Fuller DQ, Richter T. Archaeobotanical evidence reveals the origins of bread 14,400 years ago in northeastern Jordan. Proc Natl Acad Sci USA. (2018) 115:7925–30
51. Hu H, Zhao Y, Feng Y, Yang X, Li Y, Wu Y, Yuan L, Zhang J, Li T, Huang H, Li X, Zhang M, Sun L, Hu D. Consumption of whole grains and refined grains and associated risk of cardiovascular disease events and all-cause mortality: a systematic review and dose-response meta-analysis of prospective cohort studies. Am J Clin Nutr. 2023 Jan;117(1):149-159
52. Aune D, Keum N, Giovannucci E, Fadnes LT, Boffetta P, Greenwood DC, Tonstad S, Vatten LJ, Riboli E, Norat T. Whole grain consumption and risk of cardiovascular disease, cancer, and all cause and cause specific mortality: systematic review and dose-response meta-analysis of prospective studies. BMJ. 2016 Jun 14;353:i2716
53. Koistinen VM, Haldar S, Tuomainen M, Lehtonen M, Klåvus A, Draper J, Lloyd A, Beckmann M, Bal W, Ross AB, Brandt K, Fawcett L, Seal C, Hanhineva K. Metabolic changes in response to varying whole-grain wheat and rye intake. NPJ Sci Food. 2024 Jan 30;8(1):8
54. Sang S, Idehen E, Zhao Y, Chu Y. Emerging science on whole grain intake and inflammation. Nutr Rev. 2020 Aug 1;78(Suppl 1):21-28
55. Um CY, et al. Grain, Gluten, and Dietary Fiber Intake Influence Gut Microbial Diversity: Data from the Food and Microbiome Longitudinal Investigation. Cancer Res Commun. 2023 Jan 11;3(1):43-53

56. De Palma G, Nadal I, Collado MC, Sanz Y. Effects of a gluten-free diet on gut microbiota and immune function in healthy adult human subjects. Br J Nutr 2009;102:1154–60
57. Hansen LBS, Roager HM, Sondertoft NB, Gobel RJ, Kristensen M, Valles-Colomer M, et al.. A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. Nat Commun 2018;9:4630
58. Bonder MJ, Tigchelaar EF, Cai X, Trynka G, Cenit MC, Hrdlickova B, et al.. The influence of a short-term gluten-free diet on the human gut microbiome. Genome Med 2016;8:45
59. Riviere A, Selak M, Lantin D, Leroy F, De Vuyst L. Bifidobacteria and butyrate-producing colon bacteria: importance and strategies for their stimulation in the human gut. Front Microbiol 2016;7:979
60. Flint HJ, Duncan SH, Scott KP, Louis P. Links between diet, gut microbiota composition and gut metabolism. Proc Nutr Soc 2015;74:13–22
61. Ciacci C, et al. The gluten-free diet and its current application in coeliac disease and dermatitis herpetiformis. United European Gastroenterol J. 2015 Apr;3(2):121-35
62. Molina-Rosell, C., and M. E. Matos. Market and nutrition issues of gluten-free foodstuff. In Advances in the understanding of gluten related pathology and the evolution of gluten-free foods. . 2015. eds. E. Arranz, F. Fernández-Bañares, C. M. Rosell, L. Rodrigo, and A. S. Peña, 565–604. Madrid: OmniaScience
63. Leonard MM, Sapone A, Catassi C, Fasano A. Celiac Disease and Nonceliac Gluten Sensitivity: A Review. JAMA. 2017;318(7):647–656
64. Horiguchi N, Horiguchi H, Suzuki Y. Effect of wheat gluten hydrolysate on the immune system in healthy human subjects. Biosci Biotechnol Biochem. 2005 Dec;69(12):2445-9
65. Rubio-Tapia A, Hill ID, Kelly CP, Calderwood AH, Murray JA; American College of Gastroenterology. ACG clinical guidelines: diagnosis and management of celiac disease. Am J Gastroenterol. 2013;108(5):656-67
66. Leonard MM, Sapone A, Catassi C, Fasano A. Celiac Disease and Nonceliac Gluten Sensitivity: A Review. JAMA. 2017;318(7):647–656
67. Anderson, R. H., Maxwell, D. L., Mulley, A.E., and Fritsch, C. W., Effects of processing and storage on micronutrients in breakfast cereals. Food Tech. 1976, 30, 110
68. Slavin JL, Jacobs D, Marquart L. Grain processing and nutrition. Crit Rev Biotechnol. 2001;21(1):49-66
69. Fredlund, K., Asp, N-G., Larsson, M.,Marklinder, I., and Sandberg, A. S., Phytatereduction in whole grains of wheat, rye, barleyand oats after hydrothermal treatment, J. CerealSci. 1997,; 25,: 83

Capítulo 15: Cómo comer los frutos secos y las semillas

1. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
2. Ros, E., Hu, F. B. Consumption of plant seeds and cardiovascular health: epidemiological and clinical trial evidence. Circulation, 128(5), 2013, pp. 553–565

3. Vainio H, Weiderpass E. Fruit and vegetables in cancer prevention. Nutr Cancer. 2006;54(1):111–42
4. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
5. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
6. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
7. Freisling H, Noh H, Slimani N, Chajes V, May AM, Peeters PHet al.. Nut intake and 5-year changes in body weight and obesity risk in adults: results from the EPIC-PANACEA study. Eur J Nutr. 2018;57(7):2399–408
8. Aronis K.N., Vamvini M.T., Chamberland J.P., Sweeney L.L., Brennan A.M., Magkos F., Mantzoros C.S. Short-term walnut consumption increases circulating total adiponectin and apolipoprotein A concentrations, but does not affect markers of inflammation or vascular injury in obese humans with the metabolic syndrome: Data from a double-blinded, randomized, placebo-controlled study. Metabolism. 2012;61:577–582
9. Lozano A, Perez-Martinez P, Marin C, Tinahones FJ, Delgado-Lista J, Cruz-Teno C, Gomez-Luna P, Rodriguez-Cantalejo F, Perez-Jimenez F, Lopez-Miranda J. An acute intake of a walnut-enriched meal improves postprandial adiponectin response in healthy young adults. Nutr Res. 2013 Dec;33(12):1012-8
10. Tan S.Y., Mattes R.D. Appetitive, Dietary and Health Effects of Almonds Consumed with Meals or as Snacks: A Randomized, Controlled Trial. Eur. J. Clin. Nutr. 2013;67:1205–1214
11. Balakrishna R, Bjørnerud T, Bemanian M, Aune D, Fadnes LT. Consumption of Nuts and Seeds and Health Outcomes Including Cardiovascular Disease, Diabetes and Metabolic Disease, Cancer, and Mortality: An Umbrella Review. Adv Nutr. 2022 Dec 22;13(6):2136-2148
12. Arnesen EK, Thorisdottir B, Bärebring L, Söderlund F, Nwaru BI, Spielau U, Dierkes J, Ramel A, Lamberg-Allardt C, Åkesson A. Nuts and seeds consumption and risk of cardiovascular disease, type 2 diabetes and their risk factors: a systematic review and meta-analysis. Food Nutr Res. 2023 Feb 14;67
13. Jamshed H., Sultan F., Iqbal R., Gilani A. Dietary Almonds Increase Serum HDL Cholesterol in Coronary Artery Disease Patients in a Randomized Controlled Trial. J. Nutr. 2015;145:2287–2292
14. Yu Z, Malik VS, Keum N, Hu FB, Giovannucci EL, Stampfer MJ, Willett WC, Fuchs CS, Bao Y. Associations between nut consumption and inflammatory biomarkers. Am J Clin Nutr. 2016 Sep;104(3):722-8.
15. Tan S-Y, Georgousopoulou EN, Cardoso BR, Daly RM, George ES. Associations between nut intake, cognitive function and non-alcoholic fatty liver disease (NAFLD) in older adults in the United States: NHANES 2011–14. BMC Geriatrics. 2021;21(1):1–12
16. Ros E, Mataix J. Fatty acid composition of nuts--implications for cardiovascular health. Br J Nutr. 2006 Nov;96 Suppl 2:S29-35
17. Yang, Jun et al. “Antioxidant and antiproliferative activities of common edible nut seeds.” Lwt - Food Science and Technology 42 (2009): 1-8
18. Freisling H, Noh H, Slimani N, Chajes V, May AM, Peeters PH et al.. Nut intake and 5-year changes in body weight and obesity risk in adults: results from the EPIC-PANACEA study. Eur J Nutr. 2018;57(7):2399–408
19. National Health and Medical Research Council . Australian Dietary Guidelines Summary. In: Department of Health and Ageing, (ed.). Canberra (Australia); National Health and Medical Research Council; 2013
20. Ministry of Health . Eating and Activity Guidelines for New Zealand adults (updated 2020). Wellington (New Zealand); 2015

21. Wu W-H, Kang Y-P, Wang N-H, Jou H-J, Wang T-A. Sesame ingestion affects sex hormones, antioxidant status, and blood lipids in postmenopausal women. J Nutr. 2006;136(5):1270–5
22. Pan A, Yu D, Demark-Wahnefried W, Franco OH, Lin X. Meta-analysis of the effects of flaxseed interventions on blood lipids. Am J Clin Nutr. 2009;90(2):288–97
23. Richmond K, Williams S, Mann J, Brown R, Chisholm A. Markers of cardiovascular risk in postmenopausal women with type 2 diabetes are improved by the daily consumption of almonds or sunflower kernels: a feeding study. ISRN Nutr. 2012;2013::626414
24. Dreher ML. A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota. Nutrients. 2021 Jun 8;13(6):1968
25. Tan S.Y., Mattes R.D. Appetitive, Dietary and Health Effects of Almonds Consumed with Meals or as Snacks: A Randomized, Controlled Trial. Eur. J. Clin. Nutr. 2013;67:1205–1214
26. Berryman C.E., West S.G., Fleming J.A., Bordi P.L., Kris-Etherton P.M. Effects of Daily Almond Consumption on Cardiometabolic Risk and Abdominal Adiposity in Healthy Adults with Elevated LDL-Cholesterol: A Randomized Controlled Trial. J. Am. Heart Assoc. 2015;4:e000993
27. Tan SY, Dhillon J, Mattes RD. A review of the effects of nuts on appetite, food intake, metabolism, and body weight. Am J Clin Nutr. 2014 Jul;100 Suppl 1:412S-22S
28. Akhlaghi M, Ghobadi S, Zare M, Foshati S. Effect of nuts on energy intake, hunger, and fullness, a systematic review and meta-analysis of randomized clinical trials. Crit Rev Food Sci Nutr. 2020;60(1):84-93
29. Baer DJ, Dalton M, Blundell J, Finlayson G, Hu FB. Nuts, Energy Balance and Body Weight. Nutrients. 2023 Feb 25;15(5):1162
30. Casas-Agustench P, López-Uriarte P, Bulló M, Ros E, Gómez-Flores A, Salas-Salvadó J. Acute effects of three high-fat meals with different fat saturations on energy expenditure, substrate oxidation and satiety. Clin Nutr. 2009 Feb;28(1):39-45
31. Dreher ML. A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota. Nutrients. 2021 Jun 8;13(6):1968
32. Liu Z., Lin X., Huang G., Zhang W., Rao P., Ni L. Prebiotic effects of almonds and almond skins on intestinal microbiota in healthy adult humans. Anaerobe. 2014;26:1–6
33. Arab L, Ang A. A cross sectional study of the association between walnut consumption and cognitive function among adult US populations represented in NHANES. J Nutr Health Aging. 2015;19(3):284–90
34. Mayumi Usuda Prado Rocha D, Paula Silva Caldas A, Simões E Silva AC, Bressan J, Hermana Miranda Hermsdorff H. Nut-enriched energy restricted diet has potential to decrease hunger in women at cardiometabolic risk: a randomized controlled trial (Brazilian Nuts Study). Nutr Res. 2023 Jan;109:35-46
35. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
36. Hull, S.; Re, R.; Chambers, L.; Echaniz, A.; Wickham, M.S.J. A mid-morning snack of almonds generates satiety and appropriate adjustments of subsequent food intake in healthy women. Eur. J. Nutr. 2015, 54, 803–810
37. Mustra Rakic Jet al. Effects of daily almond consumption for six months on cognitive measures in healthy middle-aged to older adults: a randomized control trial. Nutr Neurosci. 2022 Jul;25(7):1466-1476)
38. Dreher ML. A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota. Nutrients. 2021 Jun 8;13(6):1968

39. Barbour JA, Howe PR, Buckley JD, Bryan J, Coates AM. Nut consumption for vascular health and cognitive function. Nutr Res Rev. 2014;27(1):131–58
40. Dreher ML. A Comprehensive Review of Almond Clinical Trials on Weight Measures, Metabolic Health Biomarkers and Outcomes, and the Gut Microbiota. Nutrients. 2021 Jun 8;13(6):1968
41. Vanga SK, Raghavan V. How well do plant based alternatives fare nutritionally compared to cow's milk? J Food Sci Technol. 2018 Jan;55(1):10-20
42. Van Winckel M, Velde SV, De Bruyne R, Van Biervliet S. Clinical practice: vegetarian infant and child nutrition. Eur J Pediatr. 2011;170:1489–1494
43. Vanga SK, Raghavan V. How well do plant based alternatives fare nutritionally compared to cow's milk? J Food Sci Technol. 2018 Jan;55(1):10-20
44. Ramsing R, Santo R, Kim BF, Altema-Johnson D, Wooden A, Chang KB, Semba RD, Love DC. Dairy and Plant-Based Milks: Implications for Nutrition and Planetary Health. Curr Environ Health Rep. 2023 Sep;10(3):291-302
45. Xu X, Sharma P, Shu S, Lin T-S, Ciais P, Tubiello FN, et al. Global greenhouse gas emissions from animal-based foods are twice those of plant-based foods. Nature Food. 2021;2(9):724–732
46. Xu X, Sharma P, Shu S, Lin T-S, Ciais P, Tubiello FN, et al. Global greenhouse gas emissions from animal-based foods are twice those of plant-based foods. Nature Food. 2021;2(9):724–732
47. Ramsing R, Santo R, Kim BF, Altema-Johnson D, Wooden A, Chang KB, Semba RD, Love DC. Dairy and Plant-Based Milks: Implications for Nutrition and Planetary Health. Curr Environ Health Rep. 2023 Sep;10(3):291-302
48. Amba V, Murphy G, Etemadi A, Wang S, Abnet CC, Hashemian M. Nut and Peanut Butter Consumption and Mortality in the National Institutes of Health-AARP Diet and Health Study. Nutrients. 2019 Jul 2;11(7):1508
49. Nieuwenhuis L, van den Brandt PA. Nut and peanut butter consumption and the risk of lung cancer and its subtypes: A prospective cohort study. Lung Cancer. 2019 Feb;128:57-66
50. Jiang R, Manson JE, Stampfer MJ, Liu S, Willett WC, Hu FB. Nut and peanut butter consumption and risk of type 2 diabetes in women. JAMA. 2002 Nov 27;288(20):2554-60
51. Nieuwenhuis L, Simons CCJM, Weijenberg MP, van den Brandt PA. Nut and peanut butter intake and the risk of colorectal cancer and its anatomical and molecular subtypes: the Netherlands Cohort Study. Carcinogenesis. 2020 Oct 15;41(10):1368-1384
52. Nieuwenhuis L, van den Brandt PA. Total Nut, Tree Nut, Peanut, and Peanut Butter Consumption and the Risk of Pancreatic Cancer in the Netherlands Cohort Study. Cancer Epidemiol Biomarkers Prev. 2018 Mar;27(3):274-284
53. van den Brandt PA, Nieuwenhuis L. Tree nut, peanut, and peanut butter intake and risk of postmenopausal breast cancer: The Netherlands Cohort Study. Cancer Causes Control. 2018 Jan;29(1):63-75
54. Holscher HD, Taylor AM, Swanson KS, Novotny JA, Baer DJ. Almond Consumption and Processing Affects the Composition of the Gastrointestinal Microbiota of Healthy Adult Men and Women: A Randomized Controlled Trial. Nutrients. 2018 Jan 26;10(2):126
55. Gebauer SK, Novotny JA, Bornhorst GM, Baer DJ. Food processing and structure impact the metabolizable energy of almonds. Food Funct. 2016 Oct 12;7(10):4231-4238
56. Nikodijevic CJ, Probst YC, Tan SY, Neale EP. The Metabolizable Energy and Lipid Bioaccessibility of Tree Nuts and Peanuts: A Systematic Review with Narrative Synthesis of Human and In Vitro Studies. Adv Nutr. 2023 Jul;14(4):796-81

A. S. Levine and S. E. Silvis, Absorption of whole peanuts, peanut oil, and peanut butter, N. Engl. J. Med., 1980, 303 , 917 —918

57. S. E. Berry , E. A. Tydeman , H. B. Lewis , R. Phalora , J. Rosborough , D. R. Picout and P. R. Ellis , Manipulation of lipid bioaccessibility of almond seeds influences postprandial lipemia in healthy human subjects, Am. J. Clin. Nutr., 2008, 88 , 922 —929
58. van den Brandt PA, Schouten LJ. Relationship of tree nut, peanut and peanut butter intake with total and cause-specific mortality: a cohort study and meta-analysis. Int J Epidemiol. 2015 Jun;44(3):1038-49
59. Parilli-Moser I, Hurtado-Barroso S, Guasch-Ferré M, Lamuela-Raventós RM. Effect of Peanut Consumption on Cardiovascular Risk Factors: A Randomized Clinical Trial and Meta-Analysis. Front Nutr. 2022 Apr 1;9:853378
60. Jafari Azad B, Daneshzad E, Azadbakht L. Peanut and cardiovascular disease risk factors: A systematic review and meta-analysis. Crit Rev Food Sci Nutr. 2020;60(7):1123-1140
61. McKiernan F, Lokko P, Kuevi A, Sales RL, Costa NM, Bressan J, Alfenas RC, Mattes RD. Effects of peanut processing on body weight and fasting plasma lipids. Br J Nutr. 2010 Aug;104(3):418-26
62. Mattes RD, Kris-Etherton PM, Foster GD. Impact of peanuts and tree nuts on body weight and healthy weight loss in adults. J Nutr. 2008 Sep;138(9):1741S-1745S
63. Arya SS, Salve AR, Chauhan S. Peanuts as functional food: a review. J Food Sci Technol. 2016 Jan;53(1):31-41
64. van den Brandt PA, Schouten LJ. Relationship of tree nut, peanut and peanut butter intake with total and cause-specific mortality: a cohort study and meta-analysis. Int J Epidemiol. 2015 Jun;44(3):1038-49)
65. van den Brandt PA, Schouten LJ. Relationship of tree nut, peanut and peanut butter intake with total and cause-specific mortality: a cohort study and meta-analysis. Int J Epidemiol. 2015 Jun;44(3):1038-49
66. van den Brandt PA, Schouten LJ. Relationship of tree nut, peanut and peanut butter intake with total and cause-specific mortality: a cohort study and meta-analysis. Int J Epidemiol. 2015 Jun;44(3):1038-49
67. Estruch R, Sierra C. Commentary: Frequent nut consumption protects against cardiovascular and cancer mortality, but the effects may be even greater if nuts are included in a healthy diet. Int J Epidemiol. 2015 Jun;44(3):1049-50
68. Gray CL, Goddard E, Karabus S, Kriel M, Lang AC, Manjra AI, Risenga SM, Terblanche AJ, van der Spuy DA, Levin ME. Epidemiology of IgE-mediated food allergy. SAMJ South Afr Med J. 2014;105(1):68–69
69. Kris-Etherton PM, Hu FB, Ros E, Sabate J. The role of tree nuts and peanuts in the prevention of coronary heart disease: multiple potential mechanisms. J Nutr. 2008;138(9):1746S–51S
70. George ES, Daly RM, Tey SL, Brown R, Wong THT, Tan SY. Perspective: Is it Time to Expand Research on "Nuts" to Include "Seeds"? Justifications and Key Considerations. Adv Nutr. 2022 Aug 1;13(4):1016-1027
71. Khalesi S, Irwin C, Schubert M. Flaxseed consumption may reduce blood pressure: a systematic review and meta-analysis of controlled trials. J Nutr. 2015;145(4):758–65

Capítulo 16. Cómo comer los tubérculos y raíces

1. FAOSTAT. 2013, http://faostat3.fao.org
2. Chandrasekara A, Josheph Kumar T. Roots and Tuber Crops as Functional Foods: A Review on Phytochemical Constituents and Their Potential Health Benefits. Int J Food Sci. 2016;2016:3631647
3. FAOSTAT. 2013, http://faostat3.fao.org
4. Chandrasekara A, Josheph Kumar T. Roots and Tuber Crops as Functional Foods: A Review on Phytochemical Constituents and Their Potential Health Benefits. Int J Food Sci. 2016;2016:3631647
5. Chandrasekara A, Josheph Kumar T. Roots and Tuber Crops as Functional Foods: A Review on Phytochemical Constituents and Their Potential Health Benefits. Int J Food Sci. 2016;2016:3631647
6. Food and Agriculture Organization (FAO) Roots, Tubers, Plantains and Bananas in Human Nutrition. Vol. 24. Rome, Italy: Food and Agriculture Organization; Food and Nutrition Series. 1990.
7. USDA FoodData Central, disponible en: https://fdc.nal.usda.gov/. Último acceso febrero de 2024
8. Wang Y, Jin Y, Wang Y, Li L, Liao Y, Zhang Y, Yu D. The effect of folic acid in patients with cardiovascular disease: A systematic review and meta-analysis. Medicine (Baltimore). 2019 Sep;98(37):e17095
9. Tian T, Yang KQ, Cui JG, Zhou LL, Zhou XL. Folic Acid Supplementation for Stroke Prevention in Patients With Cardiovascular Disease. Am J Med Sci. 2017 Oct;354(4):379-387
10. Navarre D. A., Goyer A., Shakya R. Nutritional value of potatoes; Vitamin, phyto-nutrient and mineral content. In: Singh J., Kaur L., editors. Advances in Potatoes Chemistry and Technology. Amsterdam, The Netherlands: Elsevier; 2009
11. McNulty H., Pentieva K. Folate bioavailability. Proceedings of the Nutrition Society. 2004;63(4):529–536
12. Wen JJ, Li MZ, Hu JL, Tan HZ, Nie SP. Resistant starches and gut microbiota. Food Chem. 2022 Sep 1;387:132895
13. DeMartino P, Johnston EA, Petersen KS, Kris-Etherton PM, Cockburn DW. Additional Resistant Starch from One Potato Side Dish per Day Alters the Gut Microbiota but Not Fecal Short-Chain Fatty Acid Concentrations. Nutrients. 2022 Feb 8;14(3):721
14. Beam A, Clinger E, Hao L. Effect of Diet and Dietary Components on the Composition of the Gut Microbiota. Nutrients. 2021 Aug 15;13(8):2795
15. Nie Q, Sun Y, Li M, Zuo S, Chen C, Lin Q, Nie S. Targeted modification of gut microbiota and related metabolites via dietary fiber. Carbohydr Polym. 2023 Sep 15;316:120986
16. Zhang, P. Influence of Foods and Nutrition on the Gut Microbiome and Implications for Intestinal Health. Int. J. Mol. Sci. 2022;23: 9588
17. Rinaldo D. Carbohydrate and bioactive compounds composition of starchy tropical fruits and tubers, in relation to pre and postharvest conditions: A review. J Food Sci. 2020 Feb;85(2):249-259
18. Chu Y. H., Chang C. L. Flavonoid content of several vegetables and their antioxidant activity. Journal of the Science of Food and Agriculture. 2000;80(5):561–566
19. Chandrasekara A, Josheph Kumar T. Roots and Tuber Crops as Functional Foods: A Review on Phytochemical Constituents and Their Potential Health Benefits. Int J Food Sci. 2016;2016:3631647
20. Ji X., Rivers L., Zielinski Z., et al. Quantitative analysis of phenolic components and glycoalkaloids from 20 potato clones and in vitro evaluation of antioxidant, cholesterol uptake, and neuroprotective activities. Food Chemistry. 2012;133(4):1177–1187

21. Huang D.-J., Lin C.-D., Chen H.-J., Lin Y.-H. Antioxidant and antiproliferative activities of sweet potato (Ipomoea batatas [L.] Lam "Tainong 57") constituents. Botanical Bulletin of Academia Sinica. 2004;45(3):179–186
22. Barba A. A., Calabretti A., d'Amore M., Piccinelli A. L., Rastrelli L. Phenolic constituents levels in cv. Agria potato under microwave processing. LWT—Food Science and Technology. 2008;41(10):1919–1926
23. Das RS, Mohakar VN, Kumar A. Valorization of potato peel waste: Recovery of p-hydroxy benzoic acid (antioxidant) through molecularly imprinted solid-phase extraction. Environ Sci Pollut Res Int. 2023 Feb;30(8):19860-19872)
24. Chimkode R., Patil M. B., Jalalpure S. S. Wound healing activity of tuberous root extracts of Ipomoea batatas . Advances in Pharmacology and Toxicology. 2009;10:69–72
25. Panda V., Sonkamble M. Anti-ulcer activity of Ipomoea batatas tubers (sweet potato) Functional Foods in Health and Disease. 2011;2(3):48–61
26. Lachman J, Hamouz K, Musilová J, Hejtmánková K, Kotíková Z, Pazderů K, Domkářová J, Pivec V, Cimr J. Effect of peeling and three cooking methods on the content of selected phytochemicals in potato tubers with various colour of flesh. Food Chem. 2013 Jun 1;138(2-3):1189-97
27. Wu X., Sun C., Yang L., Zeng G., Liu Z., Li Y. β-Carotene content in sweet potato varieties from China and the effect of preparation on β-carotene retention in the Yanshu No. 5. Innovative Food Science & Emerging Technologies. 2008;9(4):581–586
28. Mondy N. I., Gosselin B. Effect of irradiation on discoloration, phenols and lipids of potatoes. Journal of Food Science. 1989;54(4):982–984
29. Carlsen MH, Halvorsen BL, Holte K, Bøhn SK, Dragland S, Sampson L, Willey C, Senoo H, Umezono Y, Sanada C, Barikmo I, Berhe N, Willett WC, Phillips KM, Jacobs DR Jr, Blomhoff R. The total antioxidant content of more than 3100 foods, beverages, spices, herbs and supplements used worldwide. Nutr J. 2010 Jan 22;9:3
30. Cao S, Shaw EL, Quarles WR, Sasaki GY, Dey P, Hodges JK, Pokala A, Zeng M, Bruno RS. Daily Inclusion of Resistant Starch-Containing Potatoes in a Dietary Guidelines for Americans Dietary Pattern Does Not Adversely Affect Cardiometabolic Risk or Intestinal Permeability in Adults with Metabolic Syndrome: A Randomized Controlled Trial. Nutrients. 2022 Apr 8;14(8):1545
31. Englyst HN & Cummings JH (1987): Digestion of polysaccharides of potato in the small intestine of man. Am. J. Clin. Nutr. 45, 423–431
32. Kingman SM & Englyst HN (1994): The influence of food preparation methods on the in-vitro digestibility of starch in potatoes. Food Chem. 49, 181–186
33. Åkerberg AK, Liljeberg HG, Granfeldt YE, Drews AW & Björck IM (1998): An in vitro method, based on chewing, to predict resistant starch content in foods allows parallel determination of potentially available starch and dietary fiber. J. Nutr. 128, 651–660
34. Patterson M.A., Maiya M., Stewart M.L. Resistant starch content in foods commonly consumed in the United States: A narrative review. J. Acad. Nutr. Diet. 2020;120:230–244
35. Leeman M, Ostman E, Björck I. Vinegar dressing and cold storage of potatoes lowers postprandial glycaemic and insulinaemic responses in healthy subjects. Eur J Clin Nutr. 2005 Nov;59(11):1266-71
36. Leeman, M., Östman, E. & Björck, I. Vinegar dressing and cold storage of potatoes lowers postprandial glycaemic and insulinaemic responses in healthy subjects. Eur J Clin Nutr. (2005) 59, 1266–1271

Capítulo 17: Cómo aumentar el potencial saludable de los alimentos

1. Thyfault JP, Bergouignan A. Exercise and metabolic health: beyond skeletal muscle. Diabetologia. 2020 Aug;63(8):1464-1474
2. Chakravarthy MV, Booth FW. Eating, exercise, and "thrifty" genotypes: connecting the dots toward an evolutionary understanding of modern chronic diseases. J Appl Physiol (1985). 2004 Jan;96(1):3-10
3. Moghetti P, Bacchi E, Brangani C, Donà S, Negri C. Metabolic Effects of Exercise. Front Horm Res. 2016;47:44-57
4. Mul JD, Stanford KI, Hirshman MF, Goodyear LJ. Exercise and Regulation of Carbohydrate Metabolism. Prog Mol Biol Transl Sci. 2015;135:17-37
5. Mikines KJ, Sonne B, Farrell PA, Tronier B, Galbo H. Effect of physical exercise on sensitivity and responsiveness to insulin in humans. Am J Physiol. 1988;254:E248–E259
6. Pearson RC, Olenick AA, Green ES, Jenkins NT. Acute exercise effects on postprandial fat oxidation: meta-analysis and systematic review. Appl Physiol Nutr Metab. 2020 Oct;45(10):1081-1091
7. Pearson RC, Cogan B, Garcia SA, Jenkins NT. Effect of Prior Exercise on Postprandial Lipemia: An Updated Meta-Analysis and Systematic Review. Int J Sport Nutr Exerc Metab. 2022 Aug 26;32(6):501-518
8. Eric C. Freese, Nicholas H. Gist, and Kirk J. Cureton. Effect of prior exercise on postprandial lipemia: an updated quantitative review Journal of Applied Physiology 2014 116:1, 67-75
9. Kashiwabara K, Kidokoro T, Yanaoka T, Burns SF, Stensel DJ, Miyashita M. Different Patterns of Walking and Postprandial Triglycerides in Older Women. Med Sci Sports Exerc. 2018 Jan;50(1):79-87
10. Poehlman ET, Horton ES. The impact of food intake and exercise on energy expenditure. Nutr Rev. 1989 May;47(5):129-37
11. Speakman JR, Selman C. Physical activity and resting metabolic rate. Proc Nutr Soc. 2003; 62(3):621–34
12. Manohar C, et al. The effect of walking on postprandial glycemic excursion in patients with type 1 diabetes and healthy people. Diabetes Care. 2012 Dec;35(12):2493-9
13. Borror A, Zieff G, Battaglini C, Stoner L. The Effects of Postprandial Exercise on Glucose Control in Individuals with Type 2 Diabetes: A Systematic Review. Sports Med. 2018 Jun;48(6):1479-1491
14. Lida Y, Takeishi S, Fushimi N, Tanaka K, Mori A, Sato Y. Effect of postprandial moderate-intensity walking for 15-min on glucose homeostasis in type 2 diabetes mellitus patients. Diabetol Int. 2020 Apr 3;11(4):383-387
15. Manohar C, et al. The effect of walking on postprandial glycemic excursion in patients with type 1 diabetes and healthy people. Diabetes Care. 2012 Dec;35(12):2493-9
16. Bellini A, Nicolò A, Bazzucchi I, Sacchetti M. The Effects of Postprandial Walking on the Glucose Response after Meals with Different Characteristics. Nutrients. 2022 Mar 4;14(5):1080
17. Bellini A, Nicolò A, Bazzucchi I, Sacchetti M. Effects of Different Exercise Strategies to Improve Postprandial Glycemia in Healthy Individuals. Med Sci Sports Exerc. 2021 Jul 1;53(7):1334-1344
18. Hijikata Y, Yamada S. Walking just after a meal seems to be more effective for weight loss than waiting for one hour to walk after a meal. Int J Gen Med. 2011;4:447-50
19. Boulé NG, Rees JL. Interaction of exercise and meal timing on blood glucose concentrations. Curr Opin Clin Nutr Metab Care. 2023 Jul 1;26(4):353-357)

20. Lopresti AL. The Effects of Psychological and Environmental Stress on Micronutrient Concentrations in the Body: A Review of the Evidence. Adv Nutr. 2020 Jan 1;11(1):103-112
21. García OP, Long KZ, Rosado JL. Impact of micronutrient deficiencies on obesity. Nutr Rev. 2009 Oct;67(10):559-72
22. Kao TA, Ling J, Alanazi M, Atwa A, Suriyawong W. Effects of mindfulness-based interventions on anthropometric outcomes: A systematic review and meta-analysis. Obes Res Clin Pract. 2023 May-Jun;17(3):175-183
23. Carrière K, Khoury B, Günak MM, Knäuper B. Mindfulness-based interventions for weight loss: a systematic review and meta-analysis. Obes Rev. 2018 Feb;19(2):164-177
24. Tao L, Yang K, Huang F, Liu X, Li X, Luo Y, Wu L, Guo X. Association between self-reported eating speed and metabolic syndrome in a Beijing adult population: a cross-sectional study. BMC Public Health. 2018 Jul 11;18(1):855
25. Ni S, Jia M, Wang X, Hong Y, Zhao X, Zhang L, Ru Y, Yang F, Zhu S. Associations of eating speed with fat distribution and body shape vary in different age groups and obesity status. Nutr Metab (Lond). 2022 Sep 13;19(1):63
26. Barrea L, Vetrani C, Verde L, Napolitano B, Savastano S, Colao A, Muscogiuri G. "Forever young at the table": metabolic effects of eating speed in obesity. J Transl Med. 2021 Dec 24;19(1):530
27. Lee S, Ko BJ, Gong Y, Han K, Lee A, Han BD, Yoon YJ, Park S, Kim JH, Mantzoros CS. Self-reported eating speed in relation to non-alcoholic fatty liver disease in adults. Eur J Nutr. 2016 Feb;55(1):327-33
28. Kim MK, Ko BJ, Kim EY, Han BD, Cho KH. Fast Eating Speed Increases the Risk of Endoscopic Erosive Gastritis in Korean Adults. Korean J Fam Med. 2015 Nov;36(6):300-4)
29. Abe E, Kobayashi M, Horikawa R, Morisaki N, Tanaka H, Sago H, Ogawa K, Fujiwara T. The Association Between Eating Quickly and Excessive Gestational Weight Gain. Womens Health Rep (New Rochelle). 2023 Jun 2;4(1):280-287
30. Liang, Y.Y., Chen, J., Peng, M. et al. Association between sleep duration and metabolic syndrome: linear and nonlinear Mendelian randomization analyses. J Transl Med. (2023) 21, 90
31. Li, Q. The association between sleep duration and excess body weight of the American adult population: a cross-sectional study of the national health and nutrition examination survey 2015–2016. BMC Public Health. (2021) 21, 335
32. Covassin N, Singh P. Sleep Duration and Cardiovascular Disease Risk: Epidemiologic and Experimental Evidence. Sleep Med Clin. 2016 Mar;11(1):81-9
33. Nagai M, Hoshide S, Kario K. Sleep duration as a risk factor for cardiovascular disease- a review of the recent literature. Curr Cardiol Rev. 2010 Feb;6(1):54-61
34. Longo-Silva G, Pedrosa AKP, de Oliveira PMB, da Silva JR, de Menezes RCE, Marinho PM, Bernardes RS. Beyond sleep duration: Sleep timing is associated with BMI among Brazilian adults. Sleep Med X. 2023 Jul 26;6:100082
35. Nesti L, Mengozzi A, Tricò D. Impact of Nutrient Type and Sequence on Glucose Tolerance: Physiological Insights and Therapeutic Implications. Front Endocrinol (Lausanne). 2019 Mar 8;10:144
36. Kubota S, Liu Y, Iizuka K, Kuwata H, Seino Y, Yabe D. A Review of Recent Findings on Meal Sequence: An Attractive Dietary Approach to Prevention and Management of Type 2 Diabetes. Nutrients. 2020 Aug 19;12(9):2502

37. Alonso-Bastida A, Adam-Medina M, Salazar-Piña D-A, Escobar-Jiménez R-F, Parra-Cabrera M-S, Cervantes-Bobadilla M. Impact on Glycemic Variation Caused by a Change in the Dietary Intake Sequence. Foods. 2023; 12(5):1055
38. Sun L, Goh HJ, Govindharajulu P, Leow MK, Henry CJ. Postprandial glucose, insulin and incretin responses differ by test meal macronutrient ingestion sequence (PATTERN study). Clin Nutr. 2020 Mar;39(3):950-957
39. Nesti L, Mengozzi A, Tricò D. Impact of Nutrient Type and Sequence on Glucose Tolerance: Physiological Insights and Therapeutic Implications. Front Endocrinol (Lausanne). 2019 Mar 8;10:144
40. Palomar-Cros A, Srour B, Andreeva VA, Fezeu LK, Bellicha A, Kesse-Guyot E, Hercberg S, Romaguera D, Kogevinas M, Touvier M. Associations of meal timing, number of eating occasions and night-time fasting duration with incidence of type 2 diabetes in the NutriNet-Santé cohort. Int J Epidemiol. 2023 Oct 5;52(5):1486-1497
41. Nas A, Mirza N, Hägele F, Kahlhöfer J, Keller J, Rising R, Kufer TA, Bosy-Westphal A. Impact of breakfast skipping compared with dinner skipping on regulation of energy balance and metabolic risk. Am J Clin Nutr. 2017 Jun;105(6):1351-1361
42. Paoli A, Tinsley G, Bianco A, Moro T. The Influence of Meal Frequency and Timing on Health in Humans: The Role of Fasting. Nutrients. 2019 Mar 28;11(4):719
43. Betts JA, Richardson JD, Chowdhury EA, Holman GD, Tsintzas K, Thompson D. The causal role of breakfast in energy balance and health: a randomized controlled trial in lean adults. Am J Clin Nutr. 2014 Aug;100(2):539-47
44. Chowdhury EA, Richardson JD, Holman GD, Tsintzas K, Thompson D, Betts JA. The causal role of breakfast in energy balance and health: a randomized controlled trial in obese adults. Am J Clin Nutr. 2016 Mar;103(3):747-56
45. Betts JA, Chowdhury EA, Gonzalez JT, Richardson JD, Tsintzas K, Thompson D. Is breakfast the most important meal of the day? Proc Nutr Soc. 2016 Nov;75(4):464-474
46. Betts JA, Richardson JD, Chowdhury EA, Holman GD, Tsintzas K, Thompson D. The causal role of breakfast in energy balance and health: a randomized controlled trial in lean adults. Am J Clin Nutr. 2014 Aug;100(2):539-47
47. Chowdhury EA, Richardson JD, Holman GD, Tsintzas K, Thompson D, Betts JA. The causal role of breakfast in energy balance and health: a randomized controlled trial in obese adults. Am J Clin Nutr. 2016 Mar;103(3):747-56.
48. Lopez-Minguez J, Gómez-Abellán P, Garaulet M. Timing of Breakfast, Lunch, and Dinner. Effects on Obesity and Metabolic Risk. Nutrients. 2019 Nov 1;11(11):2624
49. Palomar-Cros A, et al. Associations of meal timing, number of eating occasions and night-time fasting duration with incidence of type 2 diabetes in the NutriNet-Santé cohort. Int J Epidemiol. 2023 Oct 5;52(5):1486-1497
50. Palomar-Cros A, et al. Dietary circadian rhythms and cardiovascular disease risk in the prospective NutriNet-Santé cohort. Nat Commun. 2023 Dec 14;14(1):7899
51. Smith HA, Betts JA. Nutrient timing and metabolic regulation. J Physiol. 2022 Mar;600(6):1299-1312
52. Palomar-Cros A, et al. Dietary circadian rhythms and cardiovascular disease risk in the prospective NutriNet-Santé cohort. Nat Commun. 2023 Dec 14;14(1):7899
53. Lopez-Minguez J, Gómez-Abellán P, Garaulet M. Timing of Breakfast, Lunch, and Dinner. Effects on Obesity and Metabolic Risk. Nutrients. 2019 Nov 1;11(11):2624

54. Young IE, Poobalan A, Steinbeck K, O'Connor HT, Parker HM. Distribution of energy intake across the day and weight loss: A systematic review and meta-analysis. Obes Rev. 2023 Mar;24(3):e13537) - (Paschos GK. Diurnal rhythms and obesity. Curr Opin Clin Nutr Metab Care. 2021 Jul 1;24(4):333-338
55. Xiao Q, Garaulet M, Scheer FAJL. Meal timing and obesity: interactions with macronutrient intake and chronotype. Int J Obes (Lond). 2019 Sep;43(9):1701-1711
56. Morgan L., Arendt J., Owens D., Folkard S., Hampton S., Deacon S., English J., Ribeiro D., Taylor K. Effects of the endogenous clock and sleep time on melatonin, insulin, glucose and lipid metabolism. J. Endocrinol. 1998;147:443–45
57. Culnan E, Reid KJ, Zee PC, Crowley SJ, Baron KG. Meal timing relative to DLMO: Associations with BMI and body fat. Sleep Health. 2021 Jun;7(3):339-344
58. Chung N, Bin YS, Cistulli PA, Chow CM. Does the Proximity of Meals to Bedtime Influence the Sleep of Young Adults? A Cross-Sectional Survey of University Students. Int J Environ Res Public Health. 2020 Apr 14;17(8):2677
59. Smith HA, Betts JA. Nutrient timing and metabolic regulation. J Physiol. 2022 Mar;600(6):1299-1312
60. Lopez-Minguez J, Gómez-Abellán P, Garaulet M. Timing of Breakfast, Lunch, and Dinner. Effects on Obesity and Metabolic Risk. Nutrients. 2019 Nov 1;11(11):2624
61. Zitting KM, Vujovic N, Yuan RK, Isherwood CM, Medina JE, Wang W, Buxton OM, Williams JS, Czeisler CA, Duffy JF. Human Resting Energy Expenditure Varies with Circadian Phase. Curr Biol. 2018 Nov 19;28(22):3685-3690.e3
62. Mason IC, Qian J, Adler GK, Scheer FAJL. Impact of circadian disruption on glucose metabolism: implications for type 2 diabetes. Diabetologia. 2020 Mar;63(3):462-472.
63. Lopez-Minguez J, Gómez-Abellán P, Garaulet M. Timing of Breakfast, Lunch, and Dinner. Effects on Obesity and Metabolic Risk. Nutrients. 2019 Nov 1;11(11):2624
64. Malhan D, Relógio A. A matter of timing? The influence of circadian rhythms on cardiac physiology and disease. Eur Heart J. 2024 Feb 21;45(8):561-563
65. Lopez-Minguez J, Gómez-Abellán P, Garaulet M. Timing of Breakfast, Lunch, and Dinner. Effects on Obesity and Metabolic Risk. Nutrients. 2019 Nov 1;11(11):2624
66. Liu D, Huang Y, Huang C, Yang S, Wei X, Zhang P, Guo D, Lin J, Xu B, Li C, He H, He J, Liu S, Shi L, Xue Y, Zhang H. Calorie Restriction with or without Time-Restricted Eating in Weight Loss. N Engl J Med. 2022 Apr 21;386(16):1495-1504
67. Dorling JL, Martin CK, Redman LM. Calorie restriction for enhanced longevity: The role of novel dietary strategies in the present obesogenic environment. Ageing Res Rev. 2020 Dec;64:101038
68. Flanagan EW, Most J, Mey JT, Redman LM. Calorie Restriction and Aging in Humans. Annu Rev Nutr. 2020 Sep 23;40:105-133
69. Dorling JL, Martin CK, Redman LM. Calorie restriction for enhanced longevity: The role of novel dietary strategies in the present obesogenic environment. Ageing Res Rev. 2020 Dec;64:101038) - (Flanagan EW, Most J, Mey JT, Redman LM. Calorie Restriction and Aging in Humans. Annu Rev Nutr. 2020 Sep 23;40:105-133.
70. Das SK, Balasubramanian P, Weerasekara YK. Nutrition modulation of human aging: The calorie restriction paradigm. Mol Cell Endocrinol. 2017 Nov 5;455:148-157
71. Rubin R. Cut Calories, Lengthen Life Span? Randomized Trial Uncovers Evidence That Calorie Restriction Might Slow Aging, but Questions Remain. JAMA. 2023 Apr 4;329(13):1049-1050

72. Marti A, Fernández de la Puente M, Canudas S, Zalba G, Razquin C, Valle-Hita C, Fitó M, Martínez-González MÁ, García-Calzón S, Salas-Salvadó J. Effect of a 3-year lifestyle intervention on telomere length in participants from PREDIMED-Plus: A randomized trial. Clin Nutr. 2023 Sep;42(9):1581-1587
73. Mihaylova MM, et al. When a calorie is not just a calorie: Diet quality and timing as mediators of metabolism and healthy aging. Cell Metab. 2023 Jul 11;35(7):1114-1131
74. Rubin R. Cut Calories, Lengthen Life Span? Randomized Trial Uncovers Evidence That Calorie Restriction Might Slow Aging, but Questions Remain. JAMA. 2023 Apr 4;329(13):1049-1050

Capítulo 18: La pirámide clínica de la verdadera alimentación saludable

1. Liu KSN, Chen JY, Ng MYC, Yeung MHY, Bedford LE, Lam CLK. How Does the Family Influence Adolescent Eating Habits in Terms of Knowledge, Attitudes and Practices? A Global Systematic Review of Qualitative Studies. Nutrients. 2021 Oct 22;13(11):3717
2. Lindsay AC, Wallington SF, Lees FD, Greaney ML. Exploring How the Home Environment Influences Eating and Physical Activity Habits of Low-Income, Latino Children of Predominantly Immigrant Families: A Qualitative Study. Int J Environ Res Public Health. 2018 May 14;15(5):978
3. Disponible en: https://news.harvard.edu/gazette/story/2017/04/over-nearly-80-years-harvard-study-has-been-showing-how-to-live-a-healthy-and-happy-life/ Último acceso marzo de 2024.