

VIII. BIBLIOGRAFÍA

1. AACE/ACE Position Statement on Prevention, Diagnosis, and Treatment of Obesity (1998 Revision). *Endocr Pract* 1998; 4: 297-350.
2. Ajani U, Ford ES, Mokdad AH. Dietary fiber and C-reactive protein: findings from National Health Examination Survey Data. *J Nutr* 2004; 134: 1181-1185.
3. Al-Assaf S, Phillips G, Peter W et al. Molecular weight, tertiary structure, water binding and colon behaviour of Ispaghula Husk fibre. *Proc Nutr Soc* 2003; 62: 211-216.
4. Aldoori W. A prospective study of dietary fiber types and symptomatic diverticular disease in men. *J Nutr* 1998; 128: 714-719.
5. Alfieri MAH, Pomerleau J, Grace DM, Anderson L. Fiber intake of normal weight, moderately obese and severely obese subjects. *Obes Res* 1995; 3: 541-7.
6. Ali R, Staub J, Leveille GA et al. Dietary fiber and obesity. In: *Dietary Fiber in Health and Disease*. Vahouny GV, Kritchevsky D, eds. New York, Plenum Press 1982.
7. Alles MS, de Roos NM, Bakx JC et al. Consumption of fructooligosaccharides does not favorably affect blood glucose and serum lipid concentrations in patients with type 2 diabetes. *Am J Clin Nutr* 1999; 69: 64-69.
8. American Diabetes Association (ADA). Standards of Medical Care in Diabetes. *Diabetes Care* 2005; 28: S4-S36.
9. American Diabetes Association. Evidence-based nutrition principles and recommendations for the treatment and prevention of diabetes and related complications. *Diabetes Care* 2002; 25: 2002-212.
10. American Diabetes Association. Nutrition recommendations and principles for people with diabetes mellitus. *Diabetes Care* 1998; 21: S32-S35.
11. American Gastroenterology Association (AGA). AGA technical review: impact of dietary fiber on colon cancer occurrence. *Gastroenterology* 2000; 118: 1235-1257.
12. American Heart Association. Heart Disease and Stroke Statistics-2004 update. Dallas, Texas: American Heart Association; 2004.
13. Amos AF, McCarty DJ, Zimmet P. The rising global burden of diabetes and its complications: estimates and projections to the year 2010. *Diab Med* 1997; 14: S1-85.
14. Anderson JW, Allgood L, Turner J, Oeltgen PR, Daggy BP. Effects of psyllium on glucose and serum lipid responses in men with type 2 diabetes and hypercholesterolemia. *Am J Clin Nutr* 1999; 70: 466-473.

15. Anderson JW, Allgood LD, Lawrence A et al. Cholesterol-lowering effects of psyllium intake adjunctive to diet therapy in men and women with hypercholesterolemia: Meta-analysis of 8 controlled trials. *Am J Clin Nutr* 2000; 71: 472-9.
16. Anderson JW, Chen WJ. Plant fiber, carbohydrate and lipid metabolism. *Am J Clin Nutr* 1979; 32: 346-63.
17. Anderson JW, Deakins DA, Bridges SR. Soluble fibre hypocholesterolemic effects and proposed mechanisms. In: *Dietary fibre-chemistry, physiology and health effects*. Kritchevsky D, Bonfield C, Anderson JW, eds. New York, Plenum Press, 1990: 339-63.
18. Anderson JW, Gustafson NJ, Bryant CA. Dietary fiber and diabetes: a comprehensive review and practical application. *J Am Diet Assoc* 1997; 87: 1189-1197.
19. Anderson JW, Kendall CWC, Jenkins JA. Importance of weight management in type 2 diabetes: Review with meta-analysis of clinical studies. *J Am Coll Nutr* 2003; 5: 331-9.
20. Anderson JW, Story L, Seiling B, Chen WJ, Petro MS, Story J. Hypocholesterolemic effects of oat-bran or bean intake for hypercholesterolemic men. *Am J Clin Nutr* 1984; 40:1146-1155.
21. Anderson JW, Zeigler JA, Deakins DA et al. Metabolic effects of high-carbohydrate, high-fiber diets for insulin-dependent diabetic individuals. *Am J Clin Nutr* 1991; 54: 936-943.
22. Anderson JW. Dietary fiber, lipids and atherosclerosis. *Am J Cardiol* 1987; 60: 17G-22G.
23. Anderson JW. Dietary fibre, complex carbohydrate, and coronary artery disease. *Can J Cardiol* 1995; 11: 55G-62G.
24. Anderson JW. Whole grains protect against atherosclerotic cardiovascular disease. *Proc Nutr Soc* 2003; 62: 135-42.
25. Anonymus. *Dietary Reference Intakes; Proposed Definition of Dietary Fibre*. Washington, DC: Food and Nutrition Board of the Institute of Health, National Academy of Science, National Academy Press 2001.
26. Anonymus. The definition of dietary fibre. *Cereal Foods World* 2001; 46: 112-126.
27. Aranceta J, Pérez C, Amela C et al. Encuesta Nutricional de la Comunidad de Madrid. Madrid: Consejería de Salud de Madrid, 1994.
28. Aranceta J, Pérez C, Eguileor I et al. Encuesta Nutricional del País Vasco. Vitoria: Gobierno Vasco, 1990.
29. Aranceta J, Perez C, Serra-Majem LI et al. Prevalencia de la obesidad en España: Resultados del estudio SEEDO 2000. *Med Clin (Barc)* 2003; 120: 608-612.
30. Ardawi MSM, Newsholme EA. Fuel utilization in colonocytes of the rat. *Biochem J* 1985; 231: 713.

31. Arija V, Salas-Salvadó J, Fernández-Ballart J et al. Consumo, hábitos alimentarios y estado nutricional de la población de Reus (IX). Evolución del consumo de alimentos y de su participación en la ingesta de energía y nutrientes y su relación con el nivel socioeconómico y cultural entre 1983 y 1993. *Med Clin (Barc)* 1996; 106: 174-9.
32. Ascherio A, Hennekens C, Willet WC et al. Prospective study of nutritional factors, blood pressure and hypertension among US women. *Hypertension* 1996; 27: 1065-1072.
33. Asp NG, Johansson CG. Techniques for measuring dietary fiber. In: *The Analysis of Dietary Fiber in Food*. James WPT, Theander O, eds. New York, Marcel Dekker, 1981: 173-189.
34. Asp NG, van Amelsvoort JMM, Hautvast JGA. Nutritional implications of resistant starch. *Nutr Res Rev* 1996; 9: 1-31.
35. Asp NG. Development of dietary fibre methodology. In: *Advanced Dietary Fibre Technology*. McCleary BV, Prosky L, eds. Oxford, Blackwell Science Ltd., 2001: 77-88.
36. Asp NG. Resistant starch. *Eur J Clin Nutr* 1992; 46: S1-S2.
37. Aspinall GO. Carbohydrate polymers of plant cell walls. In: *Biogenesis of Plant Cell Wall Polysaccharides*. Loewus F, ed. New York, Academic Pres, 1973: 95-115.
38. Association of Official Analytical Chemists (2000). Method 985.29 for dietary fibre.
39. Association of Official Analytical Chemists (2000). Method 991.43 for soluble and insoluble dietary fibre.
40. Association of Official Analytical Chemists (2000). Method 994.13; the Uppsala enzymic/chemical method.
41. Astrup A, Vrist E, Quaade F. Dietary fibre added to very low calorie diet reduces hunger and alleviates constipation. *Int J Obes* 1990; 14: 105-112.
42. Auffret A, Ralet MC, Guillon F et al. Effect of grinding and experimental conditions on the measurement of hydrazo properties of dietary-fibers. *Food Sci Tec* 1994; 27: 166-172.
43. Backburn NA, Redfern JS, Jarjis H et al. The mechanism of action of guar gum in improving glucose tolerance in man. *Clin Sci* 1984; 66: 329-336.
44. Badiali DP, Corzziari E, Habib FI et al. Effect of wheat bran in the treatment of chronic nonorganic constipation. A double-blind controlled trial. *Di Dis Sci* 1995; 40: 349-356.
45. Baer DJ, Rumpler WV, Miles CW et al. Dietary fiber decreases the metabolizable energy content and nutrient digestibility of mixed diets fed to humans. *J Nutr* 1997; 127: 579-86.
46. Balkau B, Charles MA, Drivsholm T et al. European Group For The Study Of Insulin Resistance (EGIR). Frequency of the WHO metabolic syndrome in European cohorts,

- and an alternative definition of an insulin resistance syndrome. *Diab Metab* 2002; 28: 364-76.
47. Banegas JR, Lopez-Garcia E, Gutierrez-Fisac JL, Guallar-Castillon P, Rodriguez-Artalejo F. A simple estimate of mortality attributable to excess weight in the European Union. *Eur J Clin Nutr* 2003; 57: 201-8.
 48. Bardy JD, Malo JL, Seguin P, Ghezzo H. Occupational asthma and IgE sensitization in a pharmaceutical company processing psyllium. *Am Rev Reper Dis* 1987; 135: 1033-1038.
 49. Barkeling B, Rossner S Bjorvell H. Efficiency of a high-protein meal (meat) and a high carbohydrate meal (vegetarian) on satiety measured by automated computerized monitoring of subsequent food intake. *Int J Obes* 1990; 14: 743-751.
 50. Beer-Borst S, Hercberg S, Morabia A et al. Dietary patterns in six European populations: results from EURALIM, a collaborative European data harmonization and information campaign. *Eur J Clin Nutr* 2000; 54: 253-262.
 51. Bell EA, Castellanos VH, Pelkman CL et al. Energy density of foods affects energy intake in nomal-weight women. *Am J Clin Nutr* 1998; 67: 412-20.
 52. Bell EA, Rolls BJ. Energy density of foods affects energy intake across multiple levels of fat content in lean and obese women. *Am J Clin Nutr* 2001; 73: 1010-8.
 53. Bellissent-Funel MC. Structure of confined water. *J Phys Condens Matter* 2001; 13: 9165-9177.
 54. Benno Y, He F, Hosada M et al. Effects of Lactobacillus GG yoghurt on human intestinal microecology in Japanese subjects. *Nutr Tod* 1996; 31: 9-11S.
 55. Bersohn I, Walker ARP, Higgison J. *S Afr M J* 1956; 30: 411.
 56. Bessesen DH. The role of carbohydrates in Insulin Resistance. *J Nutr* 2001; 131: 2782-2786.
 57. Biancardi G, Palmiero L, Ghirardi PE. Glucomannan in the treatment of overweight patients with osteoarthritis. *Curr Ther Res* 1989; 46: 908-912.
 58. Bird AR, Hayakawa T, Gooden JM et al. Coarse brown rice increases fecal and large bowel short-chain fatty acids and starch but lowers calcium in the large bowel of pigs. *J Nutr* 2000; 130: 1780-1787.
 59. Björntorp P. Obesity. *Lancet* 1997; 350: 423-426.
 60. Blackwood AD, Salter J, Dettmar PW et al. Dietary fibre, physicochemical properties and their relationship to health. *J Royal Soc Prom Health* 2000; 120: 242-247.
 61. Blake G, Ridker PM. Inflammatory bio-markers and cardiovascular risk prediction. *J Intern Med* 2002; 252: 283-294.

62. Blottière HM, Buecher B, Galmiche JP et al. Molecular analysis of the effect of short-chain fatty acids on intestinal cell proliferation. *Proc Nutr Soc* 2003; 62: 101-106.
63. Blundell JE, Burley VJ. Satiation, satiety and the action of fibre on food intake. *Int J Obes* 1987; 11: 9-25.
64. Bobroff EM, Kissileff HR. Effects of changes in palatability on food intake and the cumulative food intake curve in man. *Appetite* 1986; 7: 865-96.
65. Bonfield CT. Dietary fiber and body weight management. Kritchevsky D, Bonfield CT, eds. St. Paul, MN: Eagan Press, 1995: 459-65.
66. Borriello P, Drasar B, Tompkins A. Diet and fecal flora. A comparison of northern Nigeria and London. *Proc Nutr Soc* 1978; 37: 40.
67. Bosaeus I. Fibre effects on intestinal functions (diarrhoea, constipation and irritable bowel syndrome). *Clin Nutr Suppl* 2004; 1: 33-38.
68. Boyko EJ. Visceral adiposity and risk of type 2 diabetes: a prospective study among Japanese Americans. *Diabetes Care* 2000; 23: 465-471.
69. Brown DC, Doughty JC, George WD. Surgical treatment of esophageal obstruction after ingestion of a granular laxative. *Postgrad Med J* 1999; 75: 106.
70. Brown IL, Conway P, Topping D. The health potential of resistant starches in foods, an Australian perspective. *Scan J Nutr* 2000; 44: 53-58.
71. Brown IL, McNaught KJ, Moloney E. Hi-Maize™: new directions in starch technology and nutrition. *Food Australia* 1995; 47: 272-275.
72. Brugulat P, Séculi E, Medina A et al. Encuesta de Salud de Cataluña. *Med Clin (Barc)* 2003; 121: 122-7.
73. Brown L, Rosner B, Willet W, Sacks F. Cholesterol-lowering effects of dietary fiber: a meta-analysis. *Am J Clin Nutr* 1999; 69: 30-42.
74. Bruno FA, Shah NP. Inhibition of pathogenic and putrefactive microorganisms by *Bifidobacterium* sp. *Milchwissenschaft* 2002; 57: 617-21.
75. Brussaard JH, Raaij JM van, Stasse-Wolthuis M et al. Blood pressure and diet in normotensive volunteers: absence of an effect of dietary fiber, protein or fat. *Am J Clin Nutr* 1981; 34: 2023-2029.
76. Bryant MP. Nutritional features and ecology of predominant anaerobic bacteria of the intestinal tract. *Am J Clin Nutr* 1974; 27: 1313-1320.
77. Burkitt DP, Trowell HC. Refined carbohydrate foods and disease: the implications of dietary fiber. London, Academic Press, 1975.

78. Burkitt DP, Walker ARP, Painter NS. Effect of dietary fibre on stools and transit times, and its role in the causation of disease. *Lancet* 1972; 2: 1408-1412.
79. Burt VL, Whelton P, Roccella EJ et al. Prevalence of hypertension in the US adult population. Results from the Third National Health and Nutrition Examination Survey. *Hypertension* 1995; 25: 305-313.
80. Burton-Freeman B, Davis P, Schneeman BO. Postprandial satiety: the effect of fat availability in meals. *FASEB J* 1998; 12: A650-666.
81. Burton-Freeman B, Gietzen DW, Schneeman BO. Meal pattern analysis to investigate the satiating potential of fat, carbohydrate, and protein in rats. *Am J Physiol* 1997; 273: R1916-R1922.
82. Cairella G, Cairella M, Marchini G. Effect of dietary fibre on weight correction after modified fasting. *Eur J Clin Nutr* 1995; 49: S325-7.
83. Cairella M, Marchini G. Evaluation of the action of glucomannan on metabolic parameters and on the sensation of satiation in overweight and obese patients. *Clin Ter* 1995; 146: 269-274.
84. Cartier A, Malo JL, Dolovich J. Occupational asthma in nurses handing psyllium. *Clin Aller* 1987; 17: 1-6.
85. Centers for Disease Control and Prevention. The behavioral risk factor surveillance system: survey design, execution and use. Atlanta, GA 1996: Centers for Disease Control and Prevention.
86. Cesa F, Mariani S, Fava A, Rauseo R, Zanetti H. The use of vegetable fibers in the treatment of pregnancy diabetes and/or excessive weight gain during pregnancy. *Minerva Ginecol* 1990; 42: 271-4.
87. Cesnid. Farran A, Zamora R, Cervera P. Tablas de composición de alimentos del Cesnid. Editorial Mc-Graw Hill Internacional. Madrid, 2002.
88. Challa A, Ramkishan D, Chawa CB et al. Bifidobacterium longum and lactulose suppress azoxymethane-induced colonic aberrant crypt foci in rats. *Carcinogenesis* 1997; 18: 517-21.
89. Chan JM. Obesity, fat distribution, and weight gain as risk factors for clinical diabetes in men. *Diabetes Care* 1994; 17: 961-969.
90. Chandalia M, Garg A, Lutjohann D, Bergmann K, Gruñid S, Brinkley LJ. Beneficial effects of high dietary fiber intake in patients with type 2 diabetes mellitus. *New Engl J Med* 2000; 342: 1392-1398.
91. Chaplin MF. Fibre and water binding. *Proc Nutr Soc* 2003; 62: 223-7.
92. Chapman M, Grahn M, Boyle M et al. Butyrate oxidation is impaired in the colonic mucosa of sufferers of quiescent ulcerative colitis. *Gut* 1994; 35: 73-76.

93. Chen HL, Wayne Huey-Herng Sheu, Tsai-Sung Tai, Yung-Po Liaw, Yi-Chuan Chen. Konjac supplement alleviated hypercholesterolemia and hyperglycemia in type 2 diabetic subjects: a randomized double-blind trial. *J Am Coll Nutr* 2003; 1: 36-42.
94. Chen W-JL, Anderson JW, Jennings D. Propionate may mediate the hypcholesterolemic effects of certain soluble plant fibres in cholesterol-fed rats. *Proc Soc Exp Biol Med* 1984; 175: 215.
95. Cheng HH, Lai MH. Fermentation of resistant rice starch produces propionate reduced serum and hepatic cholesterol in rats. *J Nutr* 2000; 130: 1991-1995.
96. Chesson A, Monro J. Legume pectic substances and their degradation in the ovine rumen. *J Sci Food Agric* 1982; 33: 852-859.
97. Chobanian AV, Bakris GL, Black HR et al. The seventh report of the joint national committee on prevention, detection, evaluation and treatment of high blood pressure: The JNC 7 report. *JAMA* 2003; 289: 2560-2572.
98. Colditz GA. Weight as a risk factor for clinical diabetes in woman. *Am J Epidemiol* 1990; 132: 501-513.
99. Colonna P, Mercier C. Gelatinization and melting of maize starches with normal and high amylose phenotypes. *Phytochemistry* 1985; 24: 1667-1674.
100. Committee on Nutrition of the American Academy of Pediatrics. Carbohydrate and dietary fiber. In: *Pediatric Nutrition Handbook*. Elk Grove Village, 1998: 203-211.
101. Cummings J, Edmond LM, Magee A. Dietary carbohydrates and health: do we still need the fibre concept?. *Clin Nutr Suppl* 2004; 1: 5-17.
102. Cummings JH, Roberfroid MH and members of the Paris Carbohydrate Group. A new look at dietary carbohydrate: chemistry, physiology and health. *Eur J Clin Nutr* 1997; 51: 417-423.
103. Cummings JH, Southgate DAT, Branch WJ et al. The digestion of pectin in the human gut and its effect on calcium absorption and large bowel function. *Br J Nutr* 1979; 41: 477-485.
104. Cummings JH, Bingham SA, Heaton KW, Eastwood MA. Fecal weight, colon cancer risk and dietary intake of non-starch polysaccharides (dietary fiber). *Gastroenterology* 1992; 103: 1783-9.
105. Danesh J, Whincup P, Walker K et al. Low grade inflammation and coronary heart disease: prospective study and update meta-analyses. *BMJ* 2000; 321: 199-204.
106. Davidson MH, Maki KC. Effect of dietary inulin on serum lipids. *J Nutr* 1999; 129: 1474S-1477S.

107. Davidson MH, Maki KC, Kong JC et al. Long-term effects of consuming foods containing psyllium seed husk on serum lipids in subjects with hypercholesterolemia. *Am J Clin Nutr* 1998; 67: 367-376.
108. DCCT Research Group. The effect of intensive treatment of diabetes on the development and progression of long-term complications in insulin-dependent diabetes mellitus: the diabetes control and complications trial. *N Engl J Med* 1993; 329: 977-986.
109. De Slegte J. Determination of trans-galactooligosaccharides in selected food products by ion-exchange chromatography: a collaborative study. *J AOAC* 2002; 85: 417-423.
110. Delzenne NM. Oligosaccharides: state of the art. *Proc Nutr Soc* 2003; 62: 177-182.
111. Després JP. Health consequences of visceral obesity. *Ann Med* 2001; 33: 534-541.
112. Després JP. Treatment of obesity: need to focus on high-risk abdominally obese patients. *BMJ* 2001; 322: 716-720.
113. Doi K, Baba S. Diabetes and dietary fiber. *J Clin Nutr*, 1981; 59: 567-573.
114. Doi K, Matsuura M, Kawara A et al. Effect of glucomannan (konjac fiber) on glucose and lipid metabolism in normal and diabetic subjects. In: Genetic environmental interaction in diabetes mellitus. Melish SJ, Hanna J, Baba S, eds. Amsterdam, Excerpta Medica, 1981: 306-312.
115. Doi K, Matsuura M, Kawara A et al. Influence of dietary fiber (konjac mannan) on absorption of vitamin B12 and vitamin E. *Tohoku J Exp Med* 1983; 141: 677-681.
116. Doi K, Matsuura M, Kawara A et al. Treatment of diabetes with glucomannan (konjac mannan). *Lancet* 1979; 1: 987-988.
117. Donowitz M, Kokke ET, Saidi R. Evaluation of patients with chronic diarrhoea. *N Engl J Med* 1995; 332: 725-9.
118. Draser BS, Jenkins JA, Cummings JH. The influence of a diet rich in wheat fiber on the human faecal flora. *J Med Microbiol* 1976; 9: 423-431.
119. Drenowski A, Greenwood MRC. Cream and sugar: human preferences for high fat-foods. *Physiol Behav* 1983; 30: 629-33.
120. Drenowski A. Intense sweeteners and energy density of foods: implications for weight control. *Eur J Clin Nutr* 1999; 53: 757-63.
121. 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: 763-7.
122. Duncan LJP, Rose K, Meiklejohn AP. Phenmetrazine hidrochloride and methylcellulose in the treatment of refractory obesity. *Lancet* 1960; 11: 1262-5.

123. Ebihara K, Masuhara R, Kiriyma S. Plasma glucose flattening activity of a water soluble dietary fiber: effects of konjac mannan on gastric emptying and intraluminal glucose diffusion. *Nutr Rep Intl* 1981; 23: 1145-1156.
124. Ebihara K, Masuhara R, Kiriyma S. Effect of konjac mannan, a water-soluble dietary fiber on plasma glucose and insulin responses in young men undercme glucose tolerance test. *Nutr Rep Intern* 1981; 23: 577-583.
125. Edelman B, Engell D, Bronstein P et al. Environmental effects on the intake of overweight and normal-weight men. *Appetite* 1986; 7: 71-83.
126. Edwards CA, Parrett AM. Dietary fibre in infancy and childhood. *Proc Nutr Soc*, 2003; 62: 17-23.
127. Effertz ME, Denman P, Slavin JL. The effects of soy polysaccharide on body weight, serum lipids, blood glucose, and fecal paramenters in moderately obese adults. *Nutr Res* 1991, 11: 849-59.
128. Eherer AJ. Effect of psyllium, calcium polycarbophil, and wheat bran on secretory diarrhea induced by phenolphthalein. *Gastroenterology* 1993; 104: 1007-12.
129. Eliasson K, Ryttig KR, Hylander B, Rossner S. A dietary fibre supplement in the treatment of mild hypertension. A randomized, double-blind, placebo-controlled trial. *J Hypertens* 1992; 10: 195-9.
130. Englyst HN, Cummings JH. Simplified method for the measurement of total non-starch polysaccharides by gas-liquid chromatography of constituent sugars as alditol acetates. *Analyst* 1984; 109: 937-942.
131. Englyst HN. Determination of carbohydrates and its composition in plant materials. In: The Analysis of Dietary Fiber in Food. James WPT, Theander O, eds. New York, Marcel Dekker, 1981: 173-189.
132. Esposito K, Marfella R, Ciotola M et al. Effect of a Mediterranean-style diet on endotelial dysfunction and markers of vascular inflammation in the metabolic syndrome. A randomized trial. *JAMA* 2004; 292: 1440-1446.
133. Esposito K, Pontillo A, Di Palo C et al. Effect of weight loss and lifestyle changes on vascular inflammatory markers in obese women. A randomised trial. *JAMA* 2003; 289: 1799-804.
134. Englyst NH, Hudson G. Colorimetric method for routine measurements of dietary fibre as non-starch polysaccharides. A comparison with gas-liquid chromatography. *Food Chemistry* 1987; 24: 63-76.
135. Estudio prospectivo Delphi: Costes sociales y económicos de la obesidad y sus patologías asociadas. Madrid, Gabinete de estudios Bernard Krief, 1999.
136. European Diabetes Policy Group. A desktop guide to type 2 diabetes mellitus. *Diabet Med* 1999; 16: 716-730.

137. Evans AE, Ruidavets JB, McCrum EE et al. Dietary patterns, risk-factors and ischemic heart disease in Belfast and Toulouse. *QJM Monthly* 1995; 88: 469-477.
138. Everson GT, Daggy BP, McKinley C, Story JA. Effects of psyllium hydrophilic mucilloid on LDL-cholesterol and bile acid synthesis in hypercholesterolemic men. *J Lipid Res* 1992; 33: 1183-1192.
139. Expert Panel on Detection, Evaluation and Treatment of High Blood Cholesterol in Adults. Executive summary of the third report of the National Cholesterol Education Program (NCEP). *JAMA* 2001; 285: 1486-2497.
140. Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. Summary of the second report of the National Cholesterol Education Program (NCEP). *JAMA* 1993; 269: 3015-23.
141. Expert panel on the identification, evaluation, and treatment of overweight and obesity in adults. Executive summary of the clinical guidelines on the identification, evaluation and treatment of overweight and obesity in adults. *Arch Inter Med* 1998; 158: 1855-1867.
142. Fanelli V, Angelico F, Stefanutti C et al. Effetti della integrazione della dieta abituale con le fibre di glucomannano nell' ipercolesterolemia. *Clin Ter* 1986; 119: 17-23.
143. FAO/WHO Expert Consultation. Carbohydrates in human nutrition. FAO Food and Nutrition Paper 66. Rome, FAO, 1998.
144. Federation of American Societies for Experimental Biology. Physiological Effects and Health Consequences of Dietary Fiber. Washington, DC, Life Sciences Research Office, Federation of American Societies for Experimental Biology, 1987.
145. Feinberg M, Favier JC, Irerald-Ripert J. Répertoire général des aliments (REGAL). FFN-CIQUAL-Inratec/Doc Lavoisier, 1991.
146. Fernández ML. Distinct mechanisms of plasma LDL lowering by dietary soluble fiber. Specific effects of pectin, guar gum and psyllium. *J Lip Res* 1995; 36: 2394-2404.
147. Fernández ML. Soluble fiber and nondigestible carbohydrate effects on plasma lipids and cardiovascular risk. *Curr Opin Lipidol* 2001; 12: 35-40.
148. Fernández-Bañares F, Gassull MA. Metabolismo colónico de la fibra: efectos fisiológicos y posibles indicaciones terapéuticas de los ácidos grasos de cadena corta. *Gastroenterol Hepatol* 1992; 15: 536-542.
149. Fernández-Bañares F. Randomized clinical trial of plantago ovata seeds (dietary fiber) as compared with mesalazine in maintaining remission in ulcerative colitis. *Am J Gastroenterol* 1999; 94: 427-433.
150. Ferrannini E, Buzzigoli G, Bonadonna R et al. Insulin resistance in essential hypertension. *N Engl J Med* 1987; 317: 350-357.

151. Festa A, D'Agostino RJ, Howard G et al. Chronic subclinical inflammation as part of the insulin resistance syndrome: the Insulin Resistance Atherosclerosis Study (IRAS). *Circulation* 2000; 102: 42-7.
152. Finegold SM, Sutter VL. Fecal flora in different populations with special reference to diet. *Am J Clin Nutr* 1978; 31: 3116.
153. Flegal KM. Prevalence of diabetes in Mexican Americans, Cubans, and Puerto Ricans from the Hispanic Health and Nutrition Examination Survey, 1982-1984. *Diabetes Care* 1991; 14: 628-638.
154. Flint A, Raben A, Blundell JE et al. Reproducibility, power and validity of visual analogue scales in assessment of appetitie sensations in sigele test meal studiesl. *Int J Obes* 2000; 24: 38-48.
155. Florholmen J, Arvidsson-Lenner R, Jorde R, Burhol PG. The effect of Metamucil on postprandial blood glucose and plasma gastric inhibitory peptide in insulin-dependent diabetics. *Acta Med Scand* 1982; 212: 237-9.
156. Fogelhom M, Männistö S, Vartiainen E, Pietinen P. Determinants of energy balance and overweight in Finland 1982 and 1992. *Int J Obes* 1996; 20: 1097-1104.
157. Folsom AR, Vitelli LL, Lewis CE et al. Is fasting insulin concentration inversely associated with rate of weight gain? *Int J Obes* 1998; 22: 48-54.
158. Foltin RW, Rolls BJ, Moran TH et al. Caloric, but not macronutrient, compensation by humans for required-eating occasions with meals and snack varying in fat and carbohydrate. *Am J Clin Nutr* 1992; 55: 331-342.
159. Ford ES, Giles WH, Dietz WH. Prevalence of the metabolic syndrome among US adults. Findings from the Third National Health and Nutritional Examination Survey. *JAMA* 2002; 287: 356-359.
160. Frati-Munari AC, Fernandez-Harp JA, Becerril M, Chavez-Negrete A, Banales-Ham M. Decrease in serum lipids, glycemia and body weight by Plantago psyllium in obese and diabetic patients. *Arch Invest Med (Mex)* 1983; 14: 259-68.
161. Frati-Munari AC, Flores-Garduno MA, Ariza-Andracá R, Islas-Andrade S, Chavez-Negrete A. Effect of different doses of plantago psyllium mucilage on the glucose tolerance test. *Arch Invest Med* 1989; 20: 147-152.
162. Freiston JW, Ahnen DJ, Czinn SJ et al. Review and analysis of the effects of Olestra, a dietary fat substitute on gastrointestinal function and symptoms. *Reg Toxicol Pharm* 1997; 26: 210-218.
163. Friedman GD, Cutter GR, Donahue RP et al. CARDIA: study design, recruitment and some characteristics of the examined subjects. *J Clin Epidemiol* 1988; 41: 1105-1116.
164. Friedman MI. Control of energy intake by energy metabolism. *Am J Clin Nutr* 1995; 62: 1096S-1100S.

165. Frolich W. Bioavailability of micronutrients in a fibre-rich diet, especially related to minerals. *Eur J Clin Nutr* 1995; 49: S116-S122.
166. Fuchs CS, Giovannucci EL, Colditz GA et al. Dietary fiber and the risk of colorectal cancer and adenoma in women. *N Engl J Med* 1999; 340: 169-176.
167. Fuchs HM, Dorfman S, Floch MH. The effect of dietary supplementation in man. Alteration in fecal physiology and bacterial flora. *Am J Clin Nutr* 1976; 29: 1443-1447.
168. Fukagawa NK, Anderson JW, Hageman G et al. High-carbohydrate, high fiber diets increase peripheral insulin sensitivity in healthy young and old adults. *Am J Clin Nutr*, 1990; 52: 524-528.
169. Furda I. Fractionation and examination of biopolymers from dietary fiber. *Cereal Food World* 1977; 22: 252-254.
170. Furda I. Simultaneous analysis of soluble and insoluble dietary fiber. In: *The Analysis of Dietary Fiber in Food*. James WPT, Theander O, eds. New York, Marcel Dekker, 1981: 163-172.
171. Gallaher CM, Munion J, Hesslink R et al. Cholesterol reduction by glucomannan and chitosan is mediated by changes in cholesterol absorption and bile acid and fat excretion in rats. *J Nutr* 2000; 130: 2753-2759.
172. García-Lorda P, Bulló M, Balanzà R, Salas-Salvadó J. C-reactive protein, adiposity and cardiovascular risk factors in a Mediterranean population. *Int J Obes* 2006; 30: 468-74.
173. Gaudry P. Glucomannan diet tablets. *Med J Aust*, 1985; 142: 204.
174. Gee JM, Lee-Finglas W, Wortley GW et al. Fermentable carbohydrates elevate plasma enteroglucagon but high viscosity is also necessary to stimulate small bowel mucosal cell proliferation in rats. *J Nutr* 1996; 126: 373-9.
175. Giampaoli S, Poce A, Sciarra F et al. Change in cardiovascular risk factors during a 10-year community intervention program. *Acta Cardiol* 1997; 52: 411-422.
176. Gibson GR, Roberfroid MB. Dietary modulation of the human colonic microbiota. Introducing the concept of prebiotics. *J Nutr* 1995; 125: 1401-1412.
177. Gibson GR, Beatty ER, Wang X et al. Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin. *Gastroenterology* 1995; 108: 975-982.
178. Giovannucci EL, Rimm EB, Stampfer MJ et al. Intake of fat, meat, fiber in relation to risk of colon cancer in men. *Cancer Res*, 1994; 54: 2390-2397.
179. Glanz K, Basil M, Maibach E et al. Why Americans eat what they do: taste, nutrition, cost, convenience, and weight control concerns as influences on food consumption. *J Am Diet Assoc* 1998; 98: 1118-26.

180. Glore SR, Van Treeck D, Khehans GW, Guild M. Soluble fiber and serum lipids: a literature review. *J Am Diet Assoc* 1994; 94: 425-436.
181. Glueck CJ, Hastings MM, Allen C et al. Sucrose polyester and covert caloric dilution. *Am J Clin Nutr* 1982; 35: 1352-9.
182. Gorbach SL. The discovery of *Lactobacillus GG*. *Nutr Today* 1996; 31: 2-4S.
183. Grant GT, Morris ER, Rees DA et al. Biological interactions between polysaccharides and divalent cations: the egg-box model. *FEBS* 1973; 32: 195-198.
184. Gray T, Gest H. Biological formation of molecular hydrogen. *Science* 1965; 14: 186-187.
185. Green CJ. Fibre in enteral nutrition. *Clin Nutr* 2001; 20: 23-29.
186. Greenwald P, Lanza E, Eddy GA. Dietary fiber in the reduction of colon cancer risk. *J Am Diet Assoc* 1987; 87: 1178-1188.
187. Groop PH, Aro A, Stenman S, Groop F. Long-term effects of guar gum in subjects with non-insulin dependent diabetes mellitus. *Am J Clin Nutr* 1993; 58: 513-518.
188. Gropper SS, Accosta PB. The therapeutic effect of fiber in treating obesity. *J Am Col Nutr* 1987; 6: 533-5.
189. Gu K, Cowie CC, Harris MI. Mortality in adults with and without diabetes in a national cohort of the US population, 1971-1993. *Diabetes Care* 1998; 21: 1138-1145.
190. Guandalini S, Pensabene L, Zikri MA et al. *Lactobacillus GG* administered in oral rehydration solution to children with acute diarrhea: a multicenter European trial. *J Pediatr Gastroenterol Nutr* 2000; 30: 54-60.
191. Guarner F, Schaafsma G. Probiotics. *Int J Food Microbiol* 1998; 39: 237-238.
192. Guarner F. El colon como órgano: hábitat de la flora bacteriana. *Alim Nutr Sal*, 2000; 7: 99-106.
193. Gutiérrez-Fisac JL, Banegas JR, Rodríguez F, Regidor E. Increasing prevalence of overweight and obesity among Spanish adults, 1987-1997. *Int J Obes Relat Metab Disord* 2000; 24: 1677-82.
194. Gutwiller JP, Goke B, Drewe J et al. Glucagon-like peptide-1: a potent regulator of food intake in humans. *Gut* 1999; 44: 81-8.
195. Ha MA, Jarvis MC, Mann JI. A definition for dietary fibre. *Eur J Clin Nutr* 2000; 54: 861-4.
196. Haber GB, Heaton KW, Murphy D, Burroughs LF. Depletion and disruption of dietary fibre. *Lancet* 1977; 2: 679-82.

197. Hanai H, Ikuma M, Sato Y et al. Long-term effects of water-soluble corn bran hemicellulose on glucose tolerance in obese and non-obese patients: improved insulin sensitivity and glucose metabolism in obese subjects. *Biosci Biotech Biochem* 1997; 61: 1358-1361.
198. Harold M, Reeves R, Bolze M, Guthrie R, Guthrie D. Effect of dietary fiber in insulin-dependent diabetics: insulin requirements and serum lipids. *J ADA* 1985; 85: 1455-1461.
199. Harris J, Benedict F. A biometric study of basal metabolism in man. Washington DC, 1919: Carnegie Institute of Washington.
200. Harris MI. Prevalence of diabetes, impaired fasting glucose, and impaired glucose tolerance in U.S. adults. The Third National Health and Nutrition Examination Survey, 1988-1994. *Diabetes Care* 1998; 21: 518-524.
201. Harris PJ, Ferguson LR. Dietary fibres may protect or enhance carcinogenesis. *Mutat Res* 1999; 443: 95-110.
202. Hartemink R, van Laere KMJ, Rombouts FM. Growth of enterobacteria on fructo-oligosacharides. *J Appl Microbiol* 1997; 83: 367-374.
203. Hashkes PJ, Gartside PS, Blondheim SH. Effect of food palatability on early (cephalic) phase of diet-induced thermogenesis in nonobese and obese man. *Int J Obes Relat Metab Disord* 1997; 21: 608-13.
204. Haverkate F, Thomson SG, Gallimore JR et al. Production of C-reactive protein and risk of coronary events in stable and unstable angina. *Lancet* 1997; 349: 462-466.
205. Heaton KW, Emmet PM, Henry CL et al. Non just fibre, the nutritional consequences of refined carbohydrates foods. *Hum Clin Nutr* 1983; 37: 31-5.
206. Heaton KW. Food fibre as an obstacle to energy intake. *Lancet* 1973; 2: 1418-21.
207. Heini Af, Lara-Castro C, Schneidder H. Effect of hydrolized guar fiber on fasting and postprandial satiety hormones: a double blind, placebo-controlled trial during controlled weight loss. *Int J Obes* 1998; 22: 906-9.
208. Hellendroorn EW, Noordhoff MG, Slagman J. Enzymatic determination of the indigestible residue (dietary fibre) content of human food. *J Sci Food Agricul* 1975; 26: 1461-1468.
209. Henneberg W, Stohmann F. Beiträge zur Begründung einer rationellen Fütterung der Wiederkäuer, vol. 1. Braunschweig, Germany.
210. Henry DA, Mitchell A, Aylward J et al. Glucomannan and risk of oesophageal obstruction. *BMJ* 1986; 292: 591-592.
211. Henry RW, Stout RW, Love AHG. Lack of effect of bran enriched bread on plasma lipids, calcium, glucose and body weight. *Ir J Med Sci* 1978; 147: 249-51.

212. Hercberg S, Preziosi P, Briancon S et al. A primary intervention trial using nutritional doses of antioxidant vitamins and minerals in cardiovascular diseases and cancer in a general population: the SU.VI.MAX Study. Design, methods and participant characteristics. *Control Clin Trials* 1998; 19: 336-351.
213. Hill AJ, Blundell JE. Macronutrients and satiety: the effects of a high protein or high carbohydrate meal on subjective motivation to eat and food preferences. *Nutr Behav* 1986; 3: 133-144.
214. Hill JO, Peters JC. Environmental contributions to the obesity epidemic. *Science* 1998; 280: 1371-1374.
215. Hill M. Dietary fiber and colon cancer: where do we go from here?. *Proc Nutr Soc* 2003; 62: 63-65.
216. Hill MJ. Cereals, cereal fiber and colorectal cancer risk: a review of the epidemiologic literature. *Eur J Cancer Prev* 1998; 7: S5-S10.
217. Hinojosa M, Dávila I, Zapata C et al. Asma ocupacional inducido por polvo de semillas de Plantago ovata en trabajadores de la industria farmacéutica. *Rev Esp Alergol Inmunol Clin* 1990; 5: 139-145.
218. Hipsley EH. Dietary fibre and pregnancy toxæmia. *BMJ* 1953; 2: 420.
219. Hoebregs H. Fructans in food and food products, ion-exchange-chromatographic method: a collaborative study. *J AOAC* 1997; 80: 1029-1037.
220. Holloway WD, Taman-Jones C, Lee SP. Digestion of certain fractions of dietary fiber in humans. *Am J Clin Nutr* 1978; 31: 927-930.
221. Holt S, Heading RC, Carter DC, Prescott LF, Tothill P. Effect of gel fibre on gastric emptying and absorption of glucose and paracetamol. *Lancet* 1979; 1: 636-639.
222. Hopman WP, Houben PG, Speth PA et al. Glucomannan prevents postprandial hypoglycaemia in patients with previous gastric surgery. *Gut* 1988; 29: 930-934.
223. Horwitz W. Official Methods of Analysis 985.29. Total Dietary Fibre in Foods-Enzymatic-Gravimetric Method. Gaithersburg, MD: AOAC International 2000.
224. Hotamisligil GS, Shargill NS, Spiegelman BM. Adipose tissue expression of tumor necrosis factor-alpha. *Science* 1993; 259: 87-91.
225. Howarth NC, Saltzman E, Roberts SB. Dietary fiber and weight regulation. *Nutr Rev* 2001; 59: 129-39.

226. Howe GR. Dietary intake of fiber and decreased risk of cancers of the colon and rectum: evidence from the combined analysis of 13 case-control studies. *J Natl Cancer Inst* 1992; 84: 1887-1896.
227. Huijbregts PP, Freskens EJ, Rasanen L et al. Dietary intake in five ageing cohorts on men in Finland, Italy and the Netherlands. *Eur J Clin Nutr* 1995; 49: 852-860.
228. Humble CG, Malarcher AM, Tryoler HA. Dietary fiber and coronary heart disease in middle-age hypercholesterolemic men. *Am J Prev Med* 1993; 197-202.
229. Illman RJ. Hypocholesterolaemic effects of dietary propionate studies in whole animals and perfused rat liver. *Ann Nutr Metabol* 1988; 32: 97-107.
230. Inan M, Rasoulpour E, Yin L et al. The luminal short-chain fatty acid butyrate modulates NF-KB activity in human colonic epithelial cell line. *Gastroenterology* 2000; 118: 724-734.
231. Jacobs DE, Meyer KA, Kushi LH et al. Whole-grain intake may reduce the risk of ischemic heart disease death in postmenopausal women: the Iowa Women's Health Study. *Am J Clin Nutr* 1998; 68: 248-257.
232. James SL, Muir JG, Curtis SL, Gibson PR. Dietary fibre: a roughage guide. *Intern Med J* 2003; 33: 291-6.
233. James WP. Health nutrition. Preventing nutrition-related diseases in Europe. WHO Reg Publ Eur Ser 1988; 24: 1-150.
234. Jarjis HA, Blackburn NA, Redfern JS, Read NW. The effect of ispaghula (Fybogel and Metamucil) and guar gum on glucose tolerance in man. *Brit J Nutr* 1984; 51: 371-378.
235. Jenkins DJ, Axelsen M, Kendall CW, Augustin LS, Vuksan V, Smith U. Dietary fibre, lente carbohydrates and the insulin-resistant disease. *Br J Nutr* 2000; 83: S157-S163.
236. Jenkins DJ, Goff DV, Leeds AR et al. Unabsorbable carbohydrate and diabetes: decreased post-prandial hyperglycaemia. *Lancet* 1976; 2: 172-4.
237. Jenkins DJ, Jenkins AL, Wolever TM et al. Low glycemic index: lente carbohydrates and physiological effects of altered food frequency. *Am J Clin Nutr* 1994; 59: 706S-709S.
238. Jenkins DJ, Jenkins AL. Dietary fiber and the glycemic response. *Proc Soc Exp Biol Med* 1985; 180: 422-31.
239. Jenkins DJ, Wolever TM, Jenkins A et al. Specific types of colonic fermentation may raise low-density-lipoprotein-cholesterol concentrations. *Am J Clin Nutr* 1991; 54: 141-147.
240. Jenkins DJ, Wolever TM, Leeds AR et al. Dietary fibres, fibre analogues, and glucose tolerance: importance of viscosity. *Brit Med J* 1978; 1: 1392-1394.

241. Jenkins DJ, Leeds AR, Gassull MA, Cochet B, Alberti GM. Decrease in postprandial insulin and glucose concentrations by guar and pectin. *Ann Intern Med* 1997; 86: 20-3.
242. Jenkins DJA, Jenkins AL. The clinical implications of dietary fiber. *Adv Nutr Res* 194; 6: 169-202.
243. Jenkins DJA, Kendall CWC, Axelsen M, Livia SA, Vuskan A, Vuskan V. Viscous and nonviscous fibres, nonabsorbable and low glycaemic index carbohydrates, blood lipids and coronary heart disease. *Curr Opin Lipidol* 2000; 11: 49-56.
244. Jenkins DJA, Marchie A, Augustin LSA et al. Viscous dietary fibre and metabolic effects. *Clin Nutr* 2004; 1: S39-49.
245. Jenkins DJA, Vuksan CW, Wursch P et al. Physiological effects of resistant starches as colonically available forms of lente carbohydrate. *J Am Coll Nutr* 1998; 17: 609-616.
246. Jenkins DJA. Fibre in the treatment of hyperlipidemia. In: *Handbook of Dietary Fibre in Human Nutrition*. Spiller GA, ed. Florida, CRC Press, 1993: 419-38.
247. Jenkins DJA, Jenkins AL, Wolever TMS et al. Lente carbohydrate or slowly absorbed starch: physiological and therapeutic implications. In: *Dietary fiber: Chemistry, physiology and health effects*. Kritchevsky D, Bonfield C, Anderson JW, eds. New York, Plenum Press, 1988: 247-59.
248. Jensen MK, Koh-Banerjee, Franz M et al. Whole grains, bran, and germ in relation to homocysteine and markers of glycemic control, lipids, and inflammation. *Am J Clin Nutr* 2006; 83: 275-83.
249. Jeraci JL, Lewis BA, Van Soest PJ. Interaction between human gut bacteria and fibrous substances. In: *CRC handbook of dietary fiber in human nutrition*. Spiller GA, eds. Boca Raton, CRC Press, 1993: 648.
250. Jones JM. Update on defining dietary fiber. *Cereal Food World* 2000; 45: 219-220.
251. Jones PJ, Leitch CA, Pederson RA. Meal frequency effects on plasma hormone concentrations and cholesterol synthesis in humans. *Am J Clin Nutr* 1993; 57: 868-874.
252. Kaardinaal AF, van't Veer P, Kok I FJ et al. EURAMIC Study: antioxidants, myocardial infarction and breast cancer. Design and main hypothesis. *Eur J Clin Nutr* 1993; 47: S64-72.
253. Kalogeris TJ, Reidelberger RD, Mendel VE. Effect of nutrient density and composition of liquid meals on gastric emptying in feeding rats. *Am J Physiol* 1983; 244: R865-71.
254. Kannel WB, Castelli WD, Gordon T, McNamara PM. Serum cholesterol, lipoproteins, and risk of coronary artery disease. The Framingham Study. *Ann Intern Med* 1971; 74: 1-12.
255. Karlström B, Vessby B, Asp N et al. Effects of an increased content of cereal fiber in the diet of type 2 diabetic patients. *Diabetologia* 1984; 26: 272-277.

256. Kato K, Matsuda K. Studies on the chemical structure of konjac mannan. Part I. Isolation and characterization of oligosacharides from the partial acid hydrolyzate of mannan. *Agric Biol Chem* 1969; 33: 1446-1453.
257. Kato K, Wantanabe T, Matsuda K. Studies on the chemical structure of konjac mannan. Part II. Isolation and characterization of oligoscharides from the partial acid hydrolyzate of mannan. *Agric Biol Chem* 1970; 34: 532-539.
258. Kato K, Wantanabe T, Matsuda K. Studies on the chemical structure of konjac mannan. Part III. Theoretical aspect on controlled degradation of the main chain of mannan. *Agric Biol Chem* 1970; 36: 639-644.
259. Kauffman NA, Herman CP, Polivy J. Hunger-induced finickiness in humans. *Appetite* 1995; 24: 203-18.
260. Kaul L, Brown MR, Wilson ME et al. High fibre diet in the treatment of obesity. *Int Clin Nutr Rev* 1987; 7 174-9.
261. Kay RM, Truswell AS. Effects of citrus pectin on blood lipids and fecal steroid excretion in man. *Am J Clin Nutr* 1977; 30: 171-175.
262. Kay RM. Dietary fiber. *J Lipid Res* 1982; 23: 221-42.
263. Kelsay JL, Behall KM, Prather ES. Effect of fiber from fruits and vegetables on metabolic responses of human subjects. Bowel transit time, number of defecations, fecal weight, urinary excretions of energy and nitrogen and apparent digestibilities of energy, nitrogen and fat. *Am J Clin Nutr*, 1978; 31: 1149-1153.
264. Kendall A, Levitsky DA, Strupp BJ et al. Weight loss on a low fat diet: consequence of the imprecision of the control of food intake in humans. *Am J Clin Nutr* 1991; 53: 1124-1129.
265. Keys A, Grande F, Anderson JT. Fibre and pectin in the diet and serum cholesterol concentration in man. *Proc Soc Esp Biol* 1961; 106: 555-8.
266. Keys AB. Seven Countries Study: A multivariate analysis of death and coronary heart disease. Cambridge, MA: Harvard University Press 1980.
267. Khalili B, Bardana EJ, Yunginger JW. Psyllium-associated anaphylaxis and death: a case report and review of the literature. *Ann Allergy Asthma Immunol* 2003; 91: 579-584.
268. Khaw KT, Barret-Connor E. Dietary fiber and reduced ischemic disease mortality rates in men and women: a 12-year prospective study. *Am J Epidemiol* 1987; 126: 1093-1102.
269. Kiehm TG, Anderson, JW, Ward K. Beneficial effects of a high carbohydrate, high fiber diet on hyperglycemic diabetic men. *Am J Clin Nutr* 1976; 29: 895-9.
270. King H, Aubert RE, Herman WH. Global burden of diabetes, 1995-2025: prevalence, numerical estimates, and projections. *Diabetes Care* 1998; 21: 1414-1431.

271. Kiriyma S, Enishi A, Yura K. Inhibitory effect of KGM on bile acid transport in the everted sacs from rat ileum. *J Nutr* 1974; 104: 69-78.
272. Kiriyma S, Morisaki H, Yoshida A. Changes in hypcholesterolemic activity in rats by various Konnyaku powder treatments. *Agric Biol Chem* 1970; 34: 641-643.
273. Kishida N, Okimasu S, Kamata T. Molecular weight and intrinsic viscosity of konjac glucomannan. *Agric Biol Chem* 1978; 42: 1465-1470.
274. Kleinman JC. Mortality among diabetics in a national sample. *Am J Epidemiol* 1988; 128: 389-401.
275. Kneepkens CM, Fernandes J, Vonk RJ. Dumping syndrome in children: diagnosis and effect of glucomannan on glucose tolerance and absorption. *Acta Paediatr Scand* 1988; 77: 279-286.
276. Kniuman JT, West CE. The concentration of cholesterol in serum and in various serum lipoproteins in macrobiotic, vegetarian and non-vegetarian men and boys. *Metabolism* 1978; 27: 711-719.
277. Knowler WC. Reduction in the incidence of type 2 diabetes with lifestyle intervention of metformin. *N Engl J Med* 2002; 346: 393-403.
278. Kolars JC, Levitt MD, Aouji M et al. Yogurt and autodigesting source of lactose. *N Engl J Med* 1984; 310: 1-3.
279. Krauss RM, Deckelbaum RJ, Ernst N et al. Dietary guidelines for healthy american adults. *Circulation* 1996; 94: 1795-899.
280. Kritchevsky D, Davidson LM, Shapiro IL, et al. Lipid metabolism and experimental atherosclerosis in baboons: influence of cholesterol-free, semi-synthetic diets *Am J Clin Nutr* 1974; 27: 29-50.
281. Kromhout D, Bloemberg B, Seidell JC et al. Physical activity and dietary fiber determine population fat levels: the Seven Countries Study. *Int J Obes* 2001; 25: 301-306.
282. Kromhout D, Bosscheriet EB, de Lezenne-Coulander C. Dietary fiber and 10-year mortality from coronary heart disease, cancer, and all causes: the Zutphen Study. *Lancet* 1982; 1: 518-522.
283. Kröckiewski M, Smith U. In: *Dietary fiber perspectives reviews and bibliography*. Libbey J and Co., eds. London, 1985: 61-7.
284. Kröckiewski M. Use of fibres in different weight reduction programs. In: *Dietary fiber and obesity*. Björntorp P, Kritchevsky GV, eds. New York, Alan R. Liss Inc., 1985: 85-109.
285. Kushi LH, Lew RA, Stare FJ et al. Diet and 20 year mortality from coronary disease. The Ireland-Boston Diet-Heart Study. *N Engl J Med* 1985; 312: 811-818.

286. Lahteenmaki L, Tourila H. Consistency of liking and appropriateness ratings and their relation to consumption in a product test of ice cream. *Appetite* 1995; 25: 189-98.
287. Lakka HM, Laaksonen DE, Lakka TA et al. The metabolic syndrome and total and cardiovascular disease mortality in middle-aged men. *JAMA* 2002; 288: 2709-2716.
288. Landin K, Holm G, Tengborn L, Smith U. Guar gum improves insulin sensitivity, blood lipids, blood pressure and fibrinolysis in healthy men. *Am J Clin Nutr* 1992; 56: 1061-1065.
289. Ledue TB, Rifai N. Preanalytic and analytic sources of variations in C-reactive protein measurement: implications for cardiovascular disease risk assessment. *Clin Chem* 2003; 49: 125-1271.
290. LeBlanc J, Brondel L. Role of palatability on meal induced thermogenesis in human subjects. *Am J Physiol* 1985; 248: E333-6.
291. Lee S, Prosky L, De Vries. Determination of total, soluble, and insoluble dietary fiber in foods: Enzymatic-gravimetric method, MES-TRIS buffer: Collaborative study. *J AOAC* 1992; 75: 395-416.
292. Lennernäs M, Fjellstrom C, Becker W et al. Influences on food choice perceived to be important by nationally-representative samples of adults in the European Union. *Eur J Clin Nutr* 1997; 51: S8-15.
293. Levitt NS, Vinik AI, Sive AA, Child PT, Jackson WP. The effect of dietary fiber on glucose and hormone responses to a mixed meal in normal subjects and in a diabetic subjects with and without autonomic neuropathy. *Diabetes Care* 1980; 3: 515-519.
294. Levrat-Verny MA, Behr S, Mustad V et al. Low levels of viscous hydrocolloids lower plasma cholesterol in rats primarily by impeding cholesterol absorption. *J Nutr* 2000; 130: 243-248.
295. Libby P, Ridker PM. Inflammation and atherosclerosis: role of C-reactive protein in risk assessment. *Am J Med* 2004; 116: 9S-16S.
296. Lissner L, Levitsky DA, Strupp BJ et al. Dietary fat and the regulation of energy intake in human subjects. *Am J Clin Nutr* 1987; 46: 886-92.
297. Liu S, Manson JE, Lee I-M et al. Fruit and vegetable intake and risk of cardiovascular disease: the Women's Health Study. *Am J Clin Nutr* 2000; 72: 922-928.
298. Liu S, Manson JE, Stampfer MJ et al. A prospective study of whole-grain intake and risk of type 2 diabetes mellitus in US women. *Am J Public Health* 2000; 90: 1409-15.
299. Liu S. Whole-grain foods, dietary fiber and type 2 diabetes: searching for a kernel of truth. *Am J Clin Nutr* 2003; 77: 622-629.
300. Livieri C, Novazi F, Lorini R. The use of highly purified glucomannan-based fibers in childhood obesity. *Pediatr Med Chir* 1992; 14: 195-8.

301. Lovejoy J, DiGirolamo M. Habitual dietary intake and insulin sensitivity in lean and obese adults. *Am J Clin Nutr* 1992; 55: 1174-9.
302. Lucas F, Bellisle F. The measurement of food preferences in humans: do tast-and-spit test predict consumption? *Physiol Behav* 1987; 39: 739-43.
303. Ludwig DS, Majzoub JA, Al-Zahrani A. High Glycemic Index Foods, Overeating and Obesity. *Pediatrics* 1999; 103: E26.
304. Ludwig DS, Pereira MA, Kroenke CH et al. Dietary fiber, weight gain and cardiovascular risk factors in young adults. *JAMA* 1999; 282: 1539-1546.
305. Ma Y, Griffith JA, Chasan-Taber L et al. Association between dietary fiber and serum C-reactive protein. *Am J Clin Nutr* 2006; 83: 760-6.
306. Macizulak AE, Wollin MJ, Miller TL. Amounts of viable anaerobes, methanogens, and bacterial fermentation products in feces of rats fed high-fiber or fiber-free diets. *Appl Environ Microbiol* 1993; 93: 657-661.
307. MacMahon M, Carless J. Ispaghula husk in the treatment of hypercholesterolaemia: a double-blind controlled study. *J Cardiovasc Risk* 1998; 5: 167-172.
308. Maeda K, Okkubo K, Shimomuro I et al. CDNA cloning and expression of a novel adipose specific collagen-like factor, apM1. *Biochem Biophys Res Commun* 1996; 21: 286-9.
309. Maeda M, Shimahara H, Sugiyama N. Detailed examination of the branched structure of konjac glucomannan. *Agric Biol Chem* 1980; 44: 245-252.
310. Maekaji K. The mechanism of gelation of konjac mannan. *Agric Biol Chem* 1974; 38: 315-321.
311. Magnati G, Arsenio L, Bodria P, Lateana M, Strata A. Dietary fiber and OGTT: blood sugar variations after administration of a new purified glucomannane. *Acta Bio-Medica de l'Ateneo Parmense* 1984; 55: 5-14.
312. Mann J. Dietary fibre and diabetes revisited. *Eur J Clin Nutr* 2001; 55: 919-921.
313. Mann J. Stemming the tide of diabetes mellitus. *Lancet* 2000; 356: 1454-1455.
314. Manson JE, Colditz GA, Stampfer MJ et al. A prospective study of obesity and risk of coronary heart disease in women. *N Engl J Med* 1990; 322: 882-889.
315. Marlett JA, Hosig KB, Vollendorf NW, Shinnick FL, Haack VS, Story JA. Mechanism of serum cholesterol reduction by oat bran. *Hepatology* 1994; 20: 1450-1457.
316. Marteau P, Flourie B, Cherbut C et al. Digestibility and bulking effect of ispaghula husks in healthy humans. *Gut* 1994; 25: 1747-1752.

317. Marteau P, Flourié B, Pochart P et al. Effect of the microbial lactase activity in yogurt on the intestinal absorption of lactose: an in vivo study in lactase-deficient humans. *Br J Nutr* 1990; 64: 71-79.
318. Mataix J. Encuesta de Nutrición de Andalucía (1997). Sevilla: Junta de Andalucía, 2001.
319. Mataix-Verdú J. Obesidad. En: Nutrición y alimentación humana. Madrid, Ediciones Ergon, 2002.
320. Mattes RD, Pierce CB, Friedman MI. Daily caloric intake of normal-weight adults: response to changes in dietary energy density of a luncheon meal. *Am J Clin Nutr* 1988; 48: 214-9.
321. Mc Connell A, Eastwood MA, Mitchell WD. Physical characteristics of vegetable foodstuffs that could influence bowel function. *J Sci Food Agri* 1974; 25: 1457-1465.
322. Mc Neil MI. The contribution of the large intestine to energy supplies in man. *Am J Clin Nutr* 1984; 39: 338-342.
323. McAuley KA. Intensive lifestyle changes are necessary to improve insulin sensitivity. *Diabetes Care* 2002; 25: 445-452.
324. McBurney MI, Thompson LU. Fermentative characteristics of cereal brans and vegetable fibers. *Nutr Cancer* 1990; 13: 271-80.
325. McBurney MI. Starch malabsorption and stool excretion are influenced by the menstrual cycle in women consuming low-fibre western diets. *Scan J Gastroenterol* 1991; 26: 880-886.
326. McCance RA, Lawrence RD. The carbohydrate content of foods. Medical Research Council Special Report Series no. 135. London, H.M. Stationery Office, 1929.
327. McCleary BV, Blakeney AB. Measurement of inulin and oligofructan. *Cereal Foods World* 1999; 44: 398-406.
328. McCleary BV, Monaghan DA. Measurement of resistant starch. *J AOAC* 2002; 85: 665-675.
329. McCleary BV, Murphy A, Mugford DC. Measurements of oligofructan and fructan polysaccharides in foodstuffs by an enzymic/spectrophotometric method: Collaborative study. *J AOAC* 2000; 83: 356-364.
330. McCleary BV. Dietary fibre analysis. *Proc Nutr Soc* 2003; 62: 3-9.
331. McCleary BV. Enzyme purity and activity in fibre determinations. *Cereals Foods World* 1999; 44: 590-596.
332. McCrory MA, Fuss PJ, McCallum JE et al. Dietary variety within food groups: association with energy intake and body fatness in adult men and women. *Am J Clin Nutr* 1999; 69: 440-7.

333. McCrory MA, Fuss PJ, Saltzman E, Roberts SB. Dietary determinants of energy intake and weight regulation in healthy adults. *J Nutr* 2000; 130: 276S-9S.
334. Mcfarlane S, Macfarlane GT. Regulation of short-chain fatty acid production. *Proc Nutr Soc* 2003; 62: 67-72.
335. McHugh PR, Moran TH. Calories and gastric emptying: a regulatory capacity with implications for feeding. *Am J Physiol* 1979; 236: R254-60.
336. McLean-Baird RL, Walters RL, Davies PS et al. The effects of two dietary fiber supplements on gastrointestinal transit, stool weight and frequency, and bacterial flora and fecal bile acids in normal subjects. *Metabolism* 1977; 26: 117-127.
337. Medina V, Alfonso JJ, Argüelles H. Sodium butyrate inhibits carcinoma development in a 1,2 dimethylhydrazine induced rat colon cancer. *JPEN* 1998, 22: 14-17.
338. Melga P, Giusto M, Ciuchi E et al. Le fibre alimentaria nella terapia dietetica del diabete mellito: dati sperimentali con glucomanani purificati. *Eur Rev Med Pharmacol Sci* 1992; 14: 367-373.
339. Mertens DR. Dietary fiber components: relationship to the rate and extent of ruminal digestion. *Fed Proc* 1977; 36: 187-192.
340. Meyer KA. Carbohydrates, dietary fiber and incident type 2 diabetes in older women. *Am J Clin Nutr* 2000; 71: 921-930.
341. Mickelsen O, Makdani DD, Cotton RH, Titcomb ST, Colmey JC, Gatty R. Effects of a high fiber bread diet on weight loss in college-age males. *Am J Clin Nutr* 1979; 32: 1703-1709.
342. Miller DL, Castellanos VH, Shide DJ et al. Effect of fat-free potato chips with and without nutrition labels on fat and energy intakes. *Am J Clin Nutr* 1998; 68: 282-90.
343. Miller TL, Wolin MJ. Fermentation by saccharolytic intestinal bacteria. *Am J Clin Nutr* 1979; 32: 164-172.
344. Miller WC, Niederpruem MG, Wallace JP et al. Dietary fat, sugar and fiber predict body fat content. *J Am Diet Assoc* 1994; 94: 612-615.
345. Miller WC, Niederpruem MG, Wallace JP, Lindeman AK. Diet composition related to body fat in a multivariate study of 203 men. *J Am Diet Assoc* 1996; 96: 771-7.
346. Miranda PM, Horwitz DL. High fiber diets in the treatment of diabetes mellitus. *Ann Intern Med* 1978; 88: 482-6.
347. Mohamed-Ali V, Goodrick S, Rawesh A et al. Subcutaneous adipose tissue releases IL-6, but not TNF-alpha, in vitro. *J Clin Endocrinol Metab* 1997; 82: 4196-200.
348. Mokdad AH, Ford ES, Bowman BA et al. Prevalence of obesity, diabetes, and obesity-related health risk factors, 2001. *JAMA* 2003; 289: 76-9.

349. Mokdad AH. Diabetes trends among American Indians and Alaska natives: 1990-1998. *Diabetes Care* 2001; 24: 1508-1509.
350. Mokdad AH. The continuing epidemics of obesity and diabetes in the United States. *JAMA* 2001; 286: 1195-1200.
351. Morabia A, Bernstein MS. Community-based surveillance of cardiovascular risk factors in Geneva: methods, resulting distributions, and comparisons with other populations. *Prev Med* 1997; 26: 311-319.
352. Morabia A. From disease surveillance to the surveillance of risk factors. *Am J Public Health* 1996; 86: 625-627.
353. Morgan LM, Goulder TJ, Tsoliakis D, Marks V, Alberti KG. The effect of unabsorbable carbohydrate on gut hormones. Modification of post-prandial GIP secretion by guar. *Diabetologia* 1979; 17: 85-89.
354. Morgan LM, Tredger JA, Wright J, Marks V. The effect of soluble- and insoluble-fibre supplementation on post-prandial glucose tolerance, insulin and gastric inhibitory polypeptide secretion in healthy subjects. *Brit J Nutr* 1990; 64: 103-110.
355. Morris JN, Marr JW, Clayton DG. Diet and heart: a proscript. *BMJ* 1977; 2: 1307-14.
356. Muller-Lissner SA, Kamm MA, Scarpignato C, Wald A. Myths and misconceptions about chronic constipation. *Am J Gastroenterol* 2005; 100: 232-42.
357. Murphy O. Non polyol low-digestible carbohydrates: food applications and functional benefits. *BJM* 2001; 85: S47-S53.
358. Naoury AR, Feghali BR, Tissot ER. Acute obstruction of the esophagus due to drug impaction followed by perforation. *Ann Chir* 1994; 48: 473-4.
359. Naslund E, Gryback P, Backman L et al. Distal small bowel hormones: correlation with fasting antroduodenal motility and gastric emptying. *Dig Dis Sci* 1998; 43: 945-52.
360. National Center for Health Statistics and the American Heart Association. Facts about cardiovascular disease. *Circulation* 1992; 85: A103.
361. Nelson LH, Tucker LA. Diet composition related to body fat in a multivariate study of 203 men. *J Am Diet Assoc* 1996; 96: 771-7.
362. Niness KR. Inulin and oligofructose: what are they?. *J Nutr* 1999; 129: 1402S-6S.
363. Nisbett RE. Taste, deprivation, and weight determination of eating behavior. *J Pers Soc Psychol* 1968; 10: 107-16.
364. Nishinari K, Williams PA, Phillips GO. Review of the physico-chemical characteristics and properties of konjac mannan. *Food Hydrocol* 1992; 6: 199-222.

365. Nordgaard I, Mortensen PB. Digestive processes in the human colon. *Nutr* 1995; 11: 37-45.
366. Noshiro M, Okuda K. Molecular cloning and sequence analysis of cDNA encoding human cholesterol 7 α -hydroxilase. *FEBS* 1990; 268: 237-240.
367. Nottinham PM, Hungate RE. Isolation of methanogenic bacteria from feces of man. *J Bacteriol* 1968; 92: 2178-2181.
368. Obata K, Ikeda K, Yamasaki M, Yamori Y. Dietary fiber, psyllium, attenuates salt-accelerated hypertension in stroke-prone spontaneously hypertensive rats. *J Hypertens* 1998; 16: 1959-64.
369. Olsen BH, Anderson SM, Becker MP et al. Psyllium-enriched cereals lower blood cholesterol and LDL cholesterol, but non HDL cholesterol, in hypercholesterolemic adults: results of a meta-analysis. *J Nutr* 1997; 127: 1973-80.
370. Onning G, Wallmark A, Persson M, et al. Consumption on oat milk for 5 weeks lowers serum cholesterol an LDL cholesterol in free-living men with moderate hypercholesterolemia. *Ann Nutr Metab*, 1999; 43: 301-309.
371. Painter NS. *Diverticular Disease of the Colon: A Deficiency Disease of Western Civilization*. London, Heinemann, 1975.
372. Panico S, Dello Iacovo R, Celentano E et al. Progetto ATENA, a study on the etiology of major chronic diseases in women: design, rationale and objectives. *Eur J Epidemiol* 1992; 8: 601-608.
373. Parsons SR. Effects of high fiber breakfasts on glucose metabolism in noninsulin-dependent diabetics. *Am J Clin Nutr* 1984; 40: 66-71.
374. Pasman WJ, Saris WH, Wauters MA, Westerterp-Plantenga MS. Effect of one week of fibre supplementation on hunger and satiety ratings and energy intake. *Appetite* 1997; 29: 77-87.
375. Pastors JG, Blaisdell PW, Balm TK, Aspin CM, Pohl SL. Psyllium fiber reduces rise in postprandial glucose and insulin concentrations in patients with non-insulin-dependent diabetes. *Am J Clin Nutr* 1991; 53: 1431-1435.
376. Pena M, Bacallao J, Bart L et al. Fiber and exercice in the treatment of obese adolescents. *J Adolesc Health Care* 1989; 10: 30-4.
377. Pereira MA, Pins JJ. Dietary fiber and cardiovascular disease: experimental and epidemiologic advances. *Curr Atheroscler* 2000; 2: 494-502.
378. Perman JA, Modler S and Olson AC. Role of pH in production of hydrogen from carbohydrates by colonic bacterial flora. *J Clin Inves* 1980; 67: 643-650.
379. Pitcher MC, Cummings JH. Hydrogen sulphide: a bacterial toxin in ulcerative colitis? *Gut* 1996; 39: 1-4.

380. Platz EA, Giovannucci EL, Rimm EB et al. Dietary fiber and distal colorectal adenoma in men. *Cancer Epidemiol Biomarkers Prev* 1997; 6: 661-670.
381. Poppitt SD. Energy density of diets and obesity. *Int J Obes Relat Metab Disord* 1995; 19: S20-S26.
382. Potter JD, Slattery ML, Bostick RM et al. Colon cancer: a review of the epidemiology. *Epidemiol Rev* 1993; 15: 499-545.
383. Pozner LH, Mandarano C, Zitt MJ et al. Recurrent bronchospasm in a nurse. *Ann Allergy* 1986; 56: 14-15, 44-47.
384. Pradhan AD, Manson JE, Buring JE et al. C-reactive protein, interleukin 6 and risk of developing type 2 diabetes mellitus. *JAMA* 2001; 286: 327-334.
385. Prentice AM, Jebb SA. Obesity in Britain: Gluttony or sloth. *BMJ* 1995; 311: 437-439.
386. Preston DM, Lennard JE. Severe chronic constipation of young women: idiopathic slow transit constipation. *Gut* 1986; 27: 41-48.
387. Price JM, Grinker J. Effects of degree of obesity, food deprivation, and palatability on eating behavior. *J Comp Physiol Psychol* 1973; 85: 265-71.
388. Prins RA. Biochemical activities of gut microorganisms. In: *Microbiology of the Gut*. Clarke RT, Bauchon T, eds. New York, Academic Press, 1977.
389. Prosky L, Asp NG, Furda I, DeVries JW, Schweizer TF, Harland BF. Determination of total dietary fiber in foods and food products: collaborative study. *J AOAC* 1985; 68: 677-679.
390. Prosky L, Asp NG, Furda I et al. Determination of total fiber in foods, food products, and total diets: Interlaboratory study. *J AOAC* 1984; 67: 1044-1052.
391. Prosky L. Inulin and oligofructose are part of the dietary fibre complex. *J AOAC Int* 1999; 82: 223-226.
392. Public Health Service. Surgeon General's Report on Nutrition and Health. USDHHS Publ. No. 88-5010, Washington, DC, Public Health Service, 1988.
393. Quigley ME, Englyst HN. Determination of neutral sugars and hexosamines by high-performance liquid chromatography with pulsed amperometric detection. *Analyst* 1992; 117: 1715-1718.
394. Ramakrishna BS, Mathan VI. Colonic dysfunction in acute diarrhoea: the role of luminal short chain fatty acids. *Gut* 1993; 34: 1214-1218.
395. Ranganath LR, Beety JM, Drewe J et al. Attenuated GLP-1 secretion in obesity: cause or consequence? *Gut* 1996; 38: 916-9.

396. Rao AV, Schiwnarain N, Koo M et al. Effect of fiber-rich foods on the composition of intestinal microflora. *Nutr Res* 1994; 14: 523-535.
397. Read NW, Sepple CP, Brown NJ. The ileal brake: is it relevant to the action of viscous polysaccharides? In: *Dietary fiber: Chemistry, physiology and health effects*. Kritchevsky D, Bonfield C, Anderson JW, eds. New York, Plenum Press, 1988: 219-25.
398. Recasens M, Ricart W, Fernández-Real JM. Obesidad e inflamación. *Rev Med Univ Navarra* 2004; 48: 49-54.
399. Reffo GC, Ghirardi PE, Forattini C. Glucomannan in hypertensive outpatients: pilot clinical trial. *Curr Ther Res* 1988; 44: 22-27.
400. Reimer RA, McBurney MI. Dietary fiber modulate intestinal proglucagon messenger ribonucleic acid and postprandial secretion of glucagon-like peptide-1 and insulin in rats. *Endocrinology* 1996; 137: 3948-56.
401. Riboli E. Nutrition and cancer: background and rationale of the European Prospective Investigation into Cancer and Nutrition (EPIC). *Ann Oncol* 1992; 3: 783-791.
402. Ridker PM, Buring JF, Cock NR, Rifai N. C-Reactive protein, the metabolic syndrome, and risk of incident cardiovascular events. *Circulation* 2003; 107: 391-399.
403. Ridker PM, Wilson P, Grundy SC. Should C-Reactive Protein be added to metabolic syndrome and to assessment of global cardiovascular risk?. *Circulation* 2004; 109: 2818-2825.
404. Rigaud D, Ryttig KR, Angel LA, Apfelbaum M. Overweight treated with energy restriction and a dietary fibre supplement: a 6 month randomized, double-blind, placebo-controlled trial. *Int J Obes*, 1990, 14: 763-769.
405. Rigaud D, Ryttig KR, Leeds AR, Bard D, Apfelbaum M. Effects of a moderate dietary fibre supplement on hunger rating, energy input and faecal energy output in young, healthy volunteers. A randomized, double-blind, cross-over trial. *Int J Obes* 1987; 11: 73-8.
406. Rimm EB, Ascherio A, Giovannucci E et al. Vegetable, fruit and cereal fiber intake and risk of coronary heart disease among men. *JAMA* 1996; 275: 447-451.
407. Ripsin CM, Keenan JM, Jacobs DR et al. Oat products and lipid lowering: a meta-analysis. *JAMA* 1992; 267: 3317-25.
408. Roberfroid M, Slavin J. Non digestible oligosaccharides. *Crit Rev Food Sci Nutri* 2000; 46: 461-480.
409. Roberfroid MB, Borne F, Bouley C et al. Colonic microflora: nutrition and health. *Nutr Rev* 1995; 53: 127-130.
410. Roberts SB. High-glycemic index foods, hunger and obesity: is there a connection? *Nutr Rev* 2000; 58: 163-70.

411. Rodin J, Moskowitz HR, Bray GA. Relationship between obesity, weight loss, and taste responsiveness. *Physiol Behav* 1976; 17: 591-7.
412. Rodin J, Slochower J, Fleming B. Effects of degree of obesity, age of onset, and weight loss on responsiveness to sensory and external stimuli. *J Comp Physiol Psychol* 1977; 91: 586-97.
413. Rodin J. Effects of obesity and set point on taste responsiveness and ingestion in humans. *J Comp Physiol Psychol* 1975; 89: 1003-9.
414. Rodríguez-Morán M, Guerrero-Romero F, Lazcano-Burciaga G. Lipid- and glucose-lowering efficacy of plantago psyllium in type II diabetes. *J Diab Complicat* 1998; 12: 273-278.
415. Roediger WE. The effect of bacterial metabolites on nutrition and function of the colonic mucosa. Symbiosis between man and bacteria. Falk Symposium 32. Kaspes H, Goebell H, eds. Lancaster, MTP Press, 1982: 11-24.
416. Roediger WE. The colonic epithelium in ulcerative colitis: an energy deficiency disease? *Lancet* 1980; 2: 712-15.
417. Rolls BJ, Bell EA, Castellanos VH et al. Energy density but not fat content of foods affected energy intake in lean and obese women. *Am J Clin Nutr* 1999; 69: 863-71.
418. Rolls BJ, Bell EA, Thorwart ML. Water incorporated into a food but not served with a food decreases energy intake in lean women. *Am J Clin Nutr* 1999; 70: 448-55.
419. Rolls BJ, Bell EA. Intake of fat and carbohydrate: role of energy density. *Eur J Clin Nutr* 1999; 53: S166-73.
420. Rolls BJ, Castellanos VH, Halford JC et al. Volume of food consumed affects satiety in men. *Am J Clin Nutr* 1998; 67: 117-7.
421. Rolls BJ. Carbohydrates, fats, and satiety. *Am J Clin Nutr* 1995; 61: 960S-7S.
422. Rombeau JL, Kriple SA. Metabolic and intestinal effects of short-chain fatty acids. *JPEN* 1990; 14: 181S-185S.
423. Roper NA. Excess mortality in a population with diabetes and the impact of material derivation: longitudinal, population-based study. *BMJ* 2001; 322: 1389-1393.
424. Rosado JL, Diaz M. Propiedades fisicoquímicas relacionadas con la función gastrointestinal de seis fuentes de fibra dietética. *Rev Invest Clin* 1995; 47: 283-289.
425. Rosamond WD. Dietary fiber and prevention of cardiovascular disease. *J Am Coll Cardiol* 2002; 39: 57-59.
426. Rossner S, Andersson I, Ryttig K. Effects of a dietary fibre supplement to a weight reduction programme on blood pressure. *Acta Med Scand* 1988; 223: 353-7.

427. Rossner S, von Zweigbergk D, Ohlin A, Ryttig K. Weight reduction with dietary fibre supplements. Results of two double-blind randomized studies. *Acta Med Scand* 1987; 222: 83-8.
428. Rossner S, von Zweigbergk D, Ohlin A. Effects of dietary fiber in treatment of overweight-out patients. In: *Dietary fiber and obesity*. Bjoerntorp P, Kritchevsky GV eds. New York, Alan R Liss Inc., 1985: 69-76.
429. Roy S, Vega-López S, Fernández ML. Gender and hormonal status affect the hypolipidemic mechanisms of dietary soluble fiber in guinea pigs. *J Nutr* 2000; 130: 600-607.
430. Rubio MA. Implicaciones de la fibra en distintas patologías. *Nutr Hosp* 2002; 7: 17-29.
431. Ruige JB, Assendelft WJJ, Dekker JM et al. Insulin and risk of cardiovascular disease: A meta-analysis. *Circulation* 1998; 97: 996-1001.
432. Ruxton CH, Kirk TR, Holmes MA, Belton NR. No adverse effects on growth seen in Scottish school children consuming either low fat diets or diets relatively high in non-starch polysaccharides. *Health Bulletin* 1995; 53: 398-401.
433. Ryttig KR, Larsen S, Haegh L. Treatment of slightly to moderately overweight persons. A double-blind placebo-controlled investigation with diet and fiber tablets (DumoVital). In: *Dietary fiber and obesity*. Bjoerntorp P, Kritchevsky GV, eds. New York, 1985, Alan R. Liss, Inc.: 77-84.
434. Ryttig KR, Tellnes G, Haegh L, Boe E, Fagerthun H. A dietary fibre supplement and weight maintenance after weight reduction: a randomized, double-blind, placebo-controlled long-term trial. *Int J Obes* 1989; 13: 165-71.
435. Saavedra JM, Bauman NA, Oung I et al. Feeding of *Bifidobacterium bifidum* and *Streptococcus thermophilus* to infants in hospital for prevention of diarrhoea and shedding of rotavirus. *Lancet* 1994; 334: 1046-1049.
436. Sacks FM, Castelli WP, Donner A, Kass EH. Plasma lipids and lipoproteins in vegetarians and controls. *N Eng J Med* 1975; 292: 1148-1151.
437. Sacks FM, Kass EH. Low blood pressure in vegetarians: effect of specific foods and nutrients. *Am J Clin Nutr* 1988; 48: 795-800.
438. Salas-Salvadó J, Font I, Canals J, Martí-Henneberg C. Consumo, hábitos alimentarios y estado nutricional de la población de Reus. V. Energía y principios inmediatos. *Med Clin (Barc)* 1987; 88: 363-368.
439. Salas-Salvadó J, García-Lorda P. Dieta rica en fibra. En: *Nutrición y dietética clínica*. Barcelona, Ediciones Doyma, 2000:317-323.
440. Salas-Salvadó J, García-Lorda P. Tratamiento nutricional de la obesidad. En: *Nutrición en Atención Primaria*. Madrid, Jarpyo Eds, 2001: 153-166.

441. Salas-Salvadó J, Trallero Casañas R. Nutrición. En: Farreres-Rozman. Tratado de Medicina Interna. Barcelona, Mosby-Doyma Libros, 1995: 1973-2003.
442. Salguero O, Seijas MC, Hernandez J et al. Esophageal obstruction caused by dietary fiber from *Plantago ovata*, a complication preventable by adequate information. *Gastroenterol Hepatol* 2003; 26: 248-50.
443. Salmeron J, Ascherio A, Rimm EB et al. Dietary fiber, glycemic load, and risk of NIDDM in men. *Diabetes Care* 1997; 20: 545-550.
444. Salmeron J, Manson JE, Stampfer MJ, Colditz GA, Wing AL, Willett WC. Dietary fiber, glycemic load and risk of non-insulin-dependent diabetes mellitus in women. *JAMA* 1997; 277: 472-477.
445. Saltzman E, Das SK, Lichtenstein AH et al. An oat-containing hypocaloric diet reduces systolic blood pressure and improves lipid profile beyond effects of weight loss in men and women. *J Nutr* 2001; 131: 1465-1470.
446. Saltzman E, Roberts SB. Soluble fiber and energy regulation. Current knowledge and future directions. *Adv Exp Med Biol* 1997; 427: 89-97.
447. Saltzman E, Roberts SB. Soluble fiber and energy regulation. In: *Dietary fiber in health and disease*. Kritchevsky D, Bonfield C, eds. New York, Plenum Press, 1997: 89-97.
448. Sartor G, Carlström S, Scherstén B. Dietary supplementation of fibre (Lunelax®) as a mean to reduce postprandial glucose in diabetics. *Acta Med Scand Suppl* 1981; 656: 51-3.
449. Saura-Calixto FD, Goñi I. The intake of dietary indigestible fraction in the Spanish diet shows the limitations of dietary fibre data for nutritional studies. *Eur J Clin Nutr* 2004; 58: 1078-1082.
450. Sawaya AL, Fuss PJ, Dallal GE et al. Meal palatability, substrate oxidation and blood glucose in young and older men. *Physiol Behav* 2001; 72: 5-12.
451. Schaller DA. Analysis of dietary fiber. *Food Prod Dev* 1976; 11: 70-72.
452. Schneeman BO, Tietyen J. Dietary fiber. In: *Modern Nutrition in Health and Disease*. 8th. Shils ME, Olson JA, Shike M, eds. Philadelphia, 1994: 89-100.
453. Schneeman BO. Macronutrient absorption. In: Kritchevsky D, Bonfield C, Anderson JW, eds. *Dietary fiber: chemistry, physiology, and health effects*. New York, Plenum Press, 1990: 157-66.
454. Schoenwetter WF, Steinberg P. Psyllium hypersensitivity, nurses, and geriatric units. *Ann Intern Med* 1985; 103: 642.
455. Schröder H, Marrugat J, Covas M et al. Population dietary habits and physical activity modification with age. *Eur J Clin Nutr* 2004; 58: 302-311.

456. Schweizer TF, Würsch P. Analysis of dietary fiber. In: The Analysis of Dietary Fiber in Food. James WPT, Theander O, eds. New York, Marcel Dekker, 1981: 203-216.
457. Schweizer TF, Würsch P. Analysis of dietary fiber. J Sci Food Agricul 1979; 30: 613-619.
458. Seagle HM, Davy BM, Grunwald G et al. Energy density of self-reported food intake: variation and relationship to other food components. Obes Res 1997; 5: 78S.
459. Seidell JC. Obesity in Europe: Scaling an epidemic. Int J Obes 1995; 19: S1-S4.
460. Sengupta S, Tjandra JJ, Gibson PR. Dietary fibre and colorectal neoplasia. Dis Colon Rectum 2001; 44: 1016-33.
461. Serra-Majem L, Aranceta J. Nutritional objectives for the Spanish population. Consensus from the Spanish Society of Community Nutrition. Public Health Nutr 2001; 4: 1409-1413.
462. Serra-Majem L. Evaluación del estado nutricional de la población Canaria (1997-1998). Arch Latinoam Nutr 2000; 50: 1-72.
463. Serra-Majem L, Morales D, Domingo C et al. Comparación de dos métodos de valoración de la ingesta de alimentos y nutrientes: recordatorio de 24 horas versus cuestionario de frecuencia semicuantitativo. Med Clin (Barc) 1994; 103.
464. Serra-Majem L, Ribas L, García Closas R et al. Avaluació de l'estat nutricional de la població catalana (1992-1993). Avaluació dels hàbits alimentaris, el consum d'aliments, energia i nutrients, i de l'estat nutricional mitjançant indicadors bioquímics i antropomètrics. Barcelona: Generalitat de Catalunya, Departament de Sanitat i Seguretat Social, 1996: 1-252.
465. Sesso HD, Buring JE, Gaziano JM et al. C-reactive protein and the risk of developing hypertension. JAMA 2003; 290: 2945-2951.
466. Shike M. Diet and lifestyle in the prevention of colorectal cancer: an overview. Am J Med 1999; 106: 11S-15S.
467. Shima K, Tanaka A, Ikegami H, Tabata M, Sawazaki N, Kumahara Y. Effect of dietary fiber, glucomannan on absorption of sulfonylurea in man. Horm & Metab Res 1983; 15: 1-3.
468. Shimahara H, Suzuki H, Sugiyama N et al. Isolation and characterization of oligosaccharides from a enzymic hydrolysate of konjac glucomannan. Agric Biol Chem 1975a; 39: 293-299.
469. Shimahara H, Suzuki H, Sugiyama N et al. Partial purification of β -mannanase from the tubers and their substrate specificity in relation to the structure of konjac glucomannan. Agric Biol Chem 1975b; 39: 301-312.

470. Shimizu H, Yamauchi M, Kuramoto T et al. Effects of dietary konjac mannan on serum and liver cholesterol levels and biliary bile acid composition in hamsters. *J Pharmacobiodyn* 1991; 14: 371-375.
471. Shull MW, Reed RB, Valadian I et al. Velocities of growth in vegetarian pre-school children. *Pediatrics* 1977; 60: 410-417.
472. Shulman LM, Minagar A, Weiner WJ. Psyllium causing esophagheal obstruction in Parkinson's disease. *Neurology* 1999; 52: 670-1.
473. Sierra M, Garcia JJ, Fernández N, Diez MJ, Calle AP and the Farmafibra Group. Therapeutic effects of psyllium in type 2 diabetic patients. *Eur J Clin Nutr* 2002, 56: 830-842.
474. Sierra M, Garcia JJ, Fernández N et al. Effects of ispaghula husk and guar gum on postprandial glucose and insulin concentrations in healthy subjects. *Eur J Clin Nutr* 2001; 55: 235-43.
475. Sociedad Española para el Estudio de la Obesidad (SEEDO). Consenso SEEDO 2000 para la evaluación del sobrepeso y la obesidad y el establecimiento de criterios de intervención terapéutica. *Med Clín (Barc)* 2000; 115: 587-597.
476. Solum TT, Ryttig KR, Solum E, Larsen S. The influence of a high-fibre diet on body weight, serum lipids and blood pressure in slightly overweight persons. A randomized, double-blind, placebo-controlled investigation with diet and fibre tablets (DumoVital). *Int J Obes* 1987; 11: 67-71.
477. Southgate DAT, Durnin JVGA. Calorie conversion factors. An experimental reassessment of the factors used in the calculation of energy value of human diets. *BMJ* 1970; 24: 517-535.
478. Southgate DAT, Branch WJ, Hill MJ et al. Metabolic responses to dietary supplements of bran. *Metabolism* 1976; 25: 1129-1135.
479. Southgate DAT, Hudson GJ, Englyst HN. The analysis of dietary fibre: the choices for the analyst. *J Sci Food Agricul* 1978; 29: 979-988.
480. Southgate DAT. Determination of carbohydrates in food. I. Available carbohydrates. *J Sci Food Agricul* 1969a; 20: 326-330.
481. Southgate DAT. Determination of carbohydrates in food. II. Unavailable carbohydrates. *J Sci Food Agricul* 1969b; 20: 331-335.
482. Southgate DAT. The chemistry of dietary fiber. In: *Fiber in Human Nutrition*. Spiller GA, Amen RJ, eds. New York, Plenum Press, 1976: 31-72.
483. Southgate DAT. Use of the Southgate method for unavailable carbohydrates in the mesurement of dietary fiber. In: *The Analysis of Dietary Fiber in Food*. James WPT, Theander O, eds. New York, Marcel Dekker, 1981: 1-19.

484. Spiller RC, Trotman IF, Atrian TE et al. Further characterization of the "ileal brake" reflex in man-effect of ileal infusion of partial digests of fat, protein and starch on jejunal motility and release of neuropeptides, enteroglucagon, and peptide YY. *Gut* 1988; 29: 1042-51.
485. Spiller RC. Impact of dietary fiber on absorption in the small intestine. *Curr Opin Gastroenterology* 1999; 15: 100-2.
486. Steinmetz KA, Kushi LH, Bostick RM et al. Vegetables, fruit and colon cancer in the Iowa Women's Health Study. *Am J Epidemiol* 1994; 139: 1-15.
487. Stephen AM, Cummings JH. Mechanism of action of dietary fiber in the human colon. *Nature* 1980; 284: 283-284.
488. Stevens J, Levitsky DA, VanSoest PJ et al. Effect of psyllium gum and wheat bran on spontaneous energy intake. *Am J Clin Nutr* 1987; 46: 812-7.
489. Story J, Furumoto EJ. Dietary fiber and bile acid metabolism. In: *Dietary Fiber*. Kritchevsky D, Bonfield C, Anderson JW, eds. New York, Plenum Press, 1990: 365-373.
490. Stubbs RJ, Harbron CG, Murgatroyd PR et al. Covert manipulation of dietary fat and energy density: effect on substrate flux and food intake in men eating ad libitum. *Am J Clin Nutr* 1995; 62: 316-29.
491. Stubbs RJ, Johnstone AM, Harbron CG et al. Covert manipulation of energy density of high carbohydrate diets in "pseudo free-living" humans. *Int J Obes Relat Metab Disord* 1998; 22: 885-92.
492. Stubbs RJ, Johnstone AM, O'Reilly LM et al. The effect of covertly manipulation of energy density of mixed diets on ad libitum food intake in "pseudo free-living" humans. *Int J Obes Relat Metab Disord* 1998b; 22: 980-7.
493. Sugiyama N, Shimahara H, Andoh T. Studies on mannan and related compounds: the purification of konjac mannan. *Bull Chem Soc Japan* 1972; 45: 561-563.
494. Tagliaferro V, Cassader M, Bozzo C et al. Moderate guar-gum addition to usual diet improves peripheral sensitivity to insulin and lipaemic profile in NIDDM. *Diabetes Metab* 1985; 11: 380-385.
495. Thacker PA, Solomon MO, Aherne FX, Milligan LP, Bowland JP. Influence of propionic acid on the cholesterol metabolism of pigs fed hypercholesterolemic diets. *Can J Anim Sci* 1981; 61: 969-975.
496. The ERICA Research Group. The CHD risk-map of Europe. The 1st report of the WHO-ERICA Project. *Eur Heart J* 1988; 9: 1-36.
497. Theander O, Aman P, Westerlund E, Graham H. The Uppsala method for rapid analysis of total dietary fiber. In: *New Developments in Dietary Fiber*. Furda I, Brine CJ, eds. New York, Plenum Press, 1990: 273-281.

498. Thebaudin JY, Lefebvre AC, Harrington M et al. Dietary fibres: Nutritional and technological interest. *Trends Food Sci Technol* 1997; 8: 41-48.
499. Thomas B. Beiträge zur Nomenklatur und Analytik pflanzlicher Zellwandsubstanzen. *Getreide, Mehl und Brot* 1972; 26: 158-165, 168-169.
500. Titgemeyer EC, Bourquin LD, Fahey GC et al. Fermentability of various fiber sources by human fecal bacteria in vitro. *Am J Clin Nutr* 1991; 5: 1418-1424.
501. Todesco T. Propionate lowers blood glucose and alters lipid metabolism in healthy subjects. *Am J Clin Nutr* 1991; 54: 860-865.
502. Topping DL, Clifton PM. Short-chain fatty acids and human colonic function: roles of resistant starch and nonstarch polysaccharides. *Physiol Rev* 2001; 81: 1031-1064.
503. Topping DL, Fukushima M, Bird AR. Resistant starch as a prebiotic and synbiotic: state of art. *Proc Nutr Soc* 2003; 62: 171-176.
504. Trallero R. La fibra en el tratamiento de la obesidad y sus comorbilidades. *Nutr Hosp* 2002; 17: 17-22.
505. Trautwein EA, Kunath-Rau A, Erbersdobler HF. Increased fecal bile acid excretion and changes in the circulating bile acid pool are involved in the hypocholesterolemic and gallstone-preventive actions of psyllium in hamsters. *J Nutr* 1999; 129: 896-902.
506. Trock B. Dietary fiber, vegetables and colon cancer. Critical review and meta-analysis of the epidemiological evidence. *J Natl Cancer Inst*, 1990; 82: 650-661.
507. Trowell H, Godding E, Spiler G, Briggs G. Fibre bibliographies and terminology. *Am J Clin Nutr* 1978; 31: 1489-1490.
508. Trowell H. Crude fibre, dietary fibre and atherosclerosis. *Atherosclerosis* 1972a; 16: 138.
509. Trowell H. Ischemic heart disease and dietary fibre. *Am J Clin Nutr* 1972b; 25: 926-932.
510. Trowell HC, Burkitt DP. Western diseases: their emergence and prevention. Cambridge, MA: Harvard University Press, 1981.
511. Trowell HC, Southgate DAT, Wolever TMS, Leeds AR, Gassull MA, Jenkins DJA. Dietary fiber redefined. *Lancet* 1976; 1: 967.
512. Trowell HC. Definition of dietary fibre. *Lancet* 1974; 1: 503.
513. Tunstall-Pedoe H for the WHO MONICA project principal investigators: The World Health Organization MONICA Project (Monitoring Trends and Determinants in Cardiovascular Disease): a major international collaboration. *J Clin Epidemiol* 1988; 41: 105-114.
514. Tuomilehto J, Voutilainen E, Huttunen J et al. Effect of guar gum on body weight and serum lipids in hypercholesterolemic females. *Acta Med Scand* 1980; 208: 45-48.

515. Tuomilehto J. Prevention of type 2 diabetes mellitus by changes in lifestyle among subjects with impaired glucose tolerance. *New Engl J Med* 2002; 344: 1343-1350.
516. Turnbull WH, Thomas HG. The effect of a Plantago ovata seed containing preparation on appetite variables, nutrient and energy intake. *Int J Obes Relat Metab Disord* 1995; 19: 338-42.
517. U.K. Prospective Diabetes Study (UKPDS) Group. Effect of intensive blood-glucose control with metformin on complications in overweight patients with type 2 diabetes: UKPDS 34. *Lancet* 1998; 352: 854-865.
518. Vahouny GV, Satchithanandam S, Chen I et al. Dietary fiber and intestinal adaptation: effects on lipid absorption and lymphatic transport in the rat. *Am J Clin Nutr* 1988; 47: 201-206.
519. Valle-Jones JC. The evaluation of a new appetite-reducing agent (Prefil) in the management of obesity. *Br J Clin Pract* 1980; 34: 72-4.
520. Van Itallie TB. Dietary fiber and obesity. *Am J Clin Nutr* 1978; 31: S43-52.
521. Van Soest P. Use of detergents in the analysis of fibrous feeds. I. Preparation of fiber residues of low nitrogen content. *J OAC* 1963a; 46: 825-829.
522. Van Soest P. Use of detergents in the analysis of fibrous feeds. II. A rapid method for the determination of fiber and lignin. *J OAC* 1963b; 46: 829-835.
523. Van Soest P, Wine RH. Use of detergents in the analysis of fibrous feeds. IV. Determination of plant cell wall constituents. *J OAC* 1967; 50: 50-55.
524. Van't Hof MA, Hautvast JG, Schroll M et al. for the Euronut-SENECA investigators. Design, methods and participation. *Eur J Clin Nutr* 1991; 45: 5-22.
525. Velázquez OC, Jabbar A, de Matteo R. Butyrate inhibits seeding and growth of colorectal metastases to the liver in mice. *Surgery* 1996b; 120: 440-448.
526. Velázquez OC, Lederer HM, Rombeau JL. Butyrate and the colonocyte. Implications for neoplasia. *Dig Dis Sci* 1996a; 41: 727-739.
527. Venter CS, Kruger HS, Vorster HH et al. The effects of dietary fiber component konjac-glucomannan on serum cholesterol levels of hypercholesterolemic subjects. *Hum Nutr*, 1987; 41: 55-61.
528. Venter CS, Vorster HH, Cummings JH. Effects of dietary propionate on carbohydrate and lipid metabolism in man. *Am J Gastroenterol* 1989; 85: 549-553.
529. Verschuren WMN, van Leer EM, Blockstra A et al. Cardiovascular disease risk factors in The Netherlands. *Neth J Cardiol* 1993; 4: 205-210.

530. Vido L, Facchin P, Antonello I et al. Chilhood obesity treatment: a double blinded trial on dietary fibres (glucomannan) versus placebo. *Pediatrie und Padologie* 1993; 28: 133-6.
531. Violan C, Stevens L, Molina F. Encuesta de Alimentación en la Población Adulta de Murcia. Serie Informes No 7. Murcia: Consejería de Sanidad, Dirección general de Salud. Región de Murcia, 1992.
532. Vita PM, Restelli A, Caspani P et al. Chronic use of glucomannan in the dietary treatment of severe obesity. *Minerva Med* 1992; 83: 135-139.
533. Vodeerholzer W. Clinical response to dietary fiber treatment of chronic constipation. *Am J Gastroenterol* 1997; 92: 95-98.
534. Vorster HH, Kruger HS, Frylink S et al. Physiological effects of the dietary fibre component konjac glucomannan in rats an baboons. *J Plant Foods* 1985; 6: 263-274.
535. Vuksan V, Jenkins DJ, Spadafora P et al. Konjac mannan (glucomannan) improves glycemia and other associated risk factors for coronary disease in type 2 diabetes. *Diabetes Care* 1999; 22: 913-919.
536. Wajchenberg BL. Subcutaneous and visceral adipose tissue: their relation to the metabolic syndrome. *Endocrine Reviews* 2000; 21: 697-738.
537. Walker ARP, Arvidsson UB. *J Clin Invest* 1954; 33: 1358.
538. Walqvist ML, Morris MJ, Littlejohn GO, Bond A, Jackson RV. The effects of dietary fibre in healthy males. *Aust N Z J Med* 1979; 9: 154-8.
539. Walsh DE, Yaghoubian V, Behforooz A. Effect of glucomannan on obese patients: a clinical study. *Int J Obes* 1984; 8: 289-93.
540. Wang X, Gibson GR. Effects of the in vitro fermentation of oligofructose and inulin by bacteria growing in the human large intestine. *J Appl Bacteriol* 1993; 75: 373-380.
541. Wei M, Gaskill SP, Haffner SM, Stern MP. Effects of diabetes and level of glycemia on all-cause and cardiovascular mortality: The San Antonio Heart Study. *Diabetes Care* 1998; 1167-1172.
542. Weinreich J, Pedersen O, Dinesen K. Role of bran in normals. *Acta Med Scand* 1977; 202: 125-30.
543. Weinstock RS, Levine RA. The role of dietary fiber in the management of diabetes mellitus. *Nutr* 1988; 4: 187-193.
544. Weisberg SP, Mc Cann D, Desai M et al. Obesity in associated with macrophage accumulation in adipose tissue. *J Clin Invest* 2003; 112: 1796-808.
545. Wellen K, Hotamisligil GS. Obesity-induced inflammatory changes in adipose tissue. *J Clin Invest* 2003; 112: 1785-8.

546. Whelton PK, He J, Appel LJ et al. Primary prevention of hypertension: clinical and public health advisory from The National High Blood Pressure Education Program. *JAMA* 2002; 288: 1882-1888.
547. Whelton SP, Hyre AD, Pedersen B et al. Effect of dietary fiber intake on blood pressure: a meta-analysis of randomized, controlled clinical trials. *J Hypertension* 2005; 23: 475-81.
548. WHO Study Group: Diet, nutrition and the prevention of chronic diseases. *World Health Organ Tech Rep Ser* 1990; 797: 1-204.
549. WHO. Obesity: Preventing and managing the global epidemic: report of a WHO Consultation on Obesity, Geneva, June 3-5, 1997. Geneva: World Health Organization, 1998.
550. Widdowson EM, McCance RA. The available carbohydrates of fruits. Determination of glucose, fructose, sucrose and starch. *Biochem J* 1935; 29: 151-156.
551. Willet WC, Stampfer MJ, Colditz GA et al. Relation of meat, fat and fiber intake to the risk of colon cancer in a prospective study among women. *N Engl J Med* 1990; 323: 1664-1672.
552. Williams CL, Bolella M, Wynder EL. A new recommendation for dietary fiber in childhood. *Pediatrics* 1995; 96: 985-988.
553. Williams DR, James WP, Evans IE. Dietary fibre supplementation of a 'normal' breakfast administered to diabetics. *Diabetologia* 1980; 18: 379-383.
554. Williams JA, Lai CS, Corwin H et al. Inclusion of guar gum and alginate into a crispy bar improves postprandial glycemia in humans. *J Nutr* 2004; 134: 886-9.
555. Williams MAK, Foster TJ, Martin DR et al. A molecular description of the gelation mechanism of konjac mannan. *Biomacromol* 2000; 1: 440-450.
556. Williams RD, Olmstedt W. A biochemical method for determining indigestible residue (crude fibre) in faeces: lignin, cellulose and non-water soluble hemicelluloses. *J Biol Chem* 1935; 108: 653-666.
557. Wilson J, Mertrons DR. Cell wall accessibility and cell structure limitations to microbial digestion of forage. *Crop Sci* 1995; 35: 251-259.
558. Windmueller HG, Spaeth AE. Identification of ketone bodies and glutamine as the major respiratory fuels in vivo for postabsorptive rat small intestine. *J Biol Chem* 1978; 253: 69-76.
559. Wisker E, Maitz A, Feldheim W. Metabolizable energy of diets low or high fiber from cereals when eaten by humans. *J Nutr* 1988; 118: 945-52.
560. Wolever TM, Jenkins D, Vuksan, Jenkins AL, Wong G, Josse G. Beneficial effect of low-glycemic index diet in overweight NIDDM subjects. *Diabetes Care* 1992; 15: 562-564.

561. Wolever TMS, Jenkins DJA. Effect of dietary fiber and foods on nutrition metabolism. In: CRC handbook of dietary fiber in human nutrition. Spiller GA, eds. Florida, CRC Press, 1993: 111-52.
562. Wolever TMS, Spadafora PJ, Cunnane SC et al. Propionate inhibits incorporation of colonic acetate into plasma lipids in humans. *Am J Clin Nutr* 1995; 61: 1241-1247.
563. Wolf AM, Colditz GA. Current estimates of the economic costs of obesity in the United States. *Obes Res* 1998; 6: 97-106.
564. Wolin MJ, Miller TL. Interactions of microbial populations in cellulose fermentations. *Fed Proc* 1983; 42: 109-113.
565. Wolk A, Manson JE, Stampfer MJ et al. Long-term intake of dietary fiber and decreased risk of coronary heart disease among women. *JAMA* 1999; 281: 1998-2004.
566. Wright RS, Anderson JW, Bridges SR. Propionate inhibits hepatocyte lipid synthesis. *Proc Soc Exp Biol Med* 1990; 195: 26-29.
567. Wu J, Peng SS. Comparison of hypolipidemic effect of refined konjac meal with several common dietary fibers and their mechanisms of action. *Biomed Environ Sci* 1997; 10: 27-37.
568. Würsch P, Pi-Sunyer FX. The role of viscous soluble fiber in the metabolic control of diabetes. *Diabetes Care* 1997; 20: 1774-1780.
569. Xu H, Barnes GT, Yang Q et al. Chronic inflammation in fat plays a crucial role in the development of obesity-related insulin resistance. *J Clin Invest* 2003; 112: 1821-30.
570. Yano K. Dietary intake and the risk of coronary heart disease in Japanese men living in Hawaii. *Am J Clin Nutr* 1978; 31: 1270-9.
571. Yao M, Roberts SB. Dietary energy density and weight regulation. *Nutr Rev* 2001; 59: 247-258.
572. Yeomans MR, Gray RW, Mitchell C et al. Independent effects of palatability and within-meal pauses on intake and appetite ratings in human volunteers. *Appetite* 1997; 29: 61-76.
573. Yeomans MR, Gray RW. Selective effects of naltrexone on food pleasantness and intake. *Physiol Behav* 1996; 60: 439-46.
574. Yudkin J. The causes and cure of obesity. *Lancet* 1959; 2: 1135-8.
575. Yui T, Ogawa K, Sarko A. Molecular and crystal structure of konjac glucomannan in the mannan II polymorphic form. *Carbohydr Res* 1992; 229: 41-55.
576. Ziccardi P, Nappo F, Giugliano G et al. Reduction of inflammatory cytokine concentrations and improvement of endothelial functions in obese women after weight loss over one year. *Circulation* 2002; 105: 804-9.