

Bibliografia

- [1] American Diabetes Association, Standards of Medical Care in Diabetes – 2014, *Diabetes Care*, Volume 37, Supplement 1, January 2014: S14-80.
- [2] Buzzetti R, Capizzi M, Tuccinardi D. Il diabete autoimmune dell'adulto (LADA): stato attuale delle conoscenze. *G It Diabetol Metab* 2007; 27: 23-28.
- [3] <http://istat.it/it/archivio/71090>
- [4] <http://epicentro.iss.it/passi/infoPassi/infoGen.asp>
- [5] Changing Diabetes Barometer Italia. Measure, Compare, Improve 2009
- [6] <http://epicentro.iss.it/okkioallasalute>
- [7] Brufani C, Tozzi A, Fintini D, Ciampalini P, Grossi A, Fiori R, Kiepe D, Manco M, Schiaffini R, Porzio O, Cappa M, Barbetti F. Sexual dimorphism of body composition and insulin sensitivity across pubertal development in obese Caucasian subjects. *Eur J Endocrinol* 2009 May; 160(5): 769-75.
- [8] ISPAD Clinical Practice Consensus Guidelines 2009 Compendium. Type 2 diabetes in children and adolescent. *Pediatric Diabetes* 2009; 10 (Suppl. 12): 17-32.
- [9] Okorodudu DO, Jumean MF, Montori VM, Romero-Corral A, Somers VK, Erwin PJ, Lopez-Jimenez F. Diagnostic performance of body mass index to identify obesity as defined by body adiposity: a systematic review and meta-analysis. *Int J Obes (Lond)* 2010 May; 34(5): 791-9.
- [10] Cruz-Jentoft AJ, Baeyens JP, Bauer JM, Boirie Y, Cederholm T, Landi F, Martin FC, Michel JP, Rolland Y, Schneider SM, Topinková E, Vandewoude M, Zamboni M, European Working Group on Sarcopenia in Older People. Sarcopenia: European consensus on definition and diagnosis: Report of the European Working Group on Sarcopenia in Older People. *Age Ageing* 2010 Jul; 39(4): 412-23.
- [11] Nichols GA, Hillier TA, Brown JB, Progression From Newly Acquired Impaired Fasting Glucose to Type 2 Diabetes. *Diabetes Care* 2007; 30 (2): 228-233.
- [12] World Health Organization, *Definition, diagnosis and classification of diabetes mellitus and its complications: Report of a WHO Consultation*. Part 1. Diagnosis and classification of diabetes mellitus, 14 January 2006.
- [13] American Diabetes Association, Diagnosis and classification of diabetes mellitus. *Diabetes Care* 2005; 28 Suppl 1: S37-42.
- [14] Raina Elley C, Kenealy T, Lifestyle interventions reduced the long-term risk of diabetes in adults with impaired glucose tolerance. *Evid Based Med* 2008 December; 13 (6): 173.
- [15] <http://nlm.nih.gov/medlineplus/metabolicsyndrome.html>
- [16] Ford ES, Giles WH, Dietz WH, Prevalence of metabolic syndrome among US adults: findings from the third National Health and Nutrition Examination Survey. *JAMA* 2002; 287 (3): 356-359.
- [17] 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) Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III). *JAMA* 2001 May; 285 (19): 2486-97.
- [18] Associazione Medici Diabetologi (AMD) - Società Italiana di Diabetologia (SID), *Standard italiani per la cura del diabete mellito*, 2009-2010.
- [19] Franz MJ, Powers MA, Leontos C, Holzmeister LA, Kulkarni K, Monk A, Wedel N, Gradwell E. The evidence for medical nutrition therapy for type 1 and type 2 diabetes in adults. *J Am Diet Assoc* 2010 Dec; 110(12): 1852-89.
- [20] http://aemmedi.it/files/Linee-guida_Raccomandazioni/2013/RAC_NUTRIZIONE_DEF_2013-2014.pdf
- [21] American Dietetic Association. ADA's definition for nutrition screening and nutrition assessment. *J Am Diet Assoc* 1994; 94: 838-839.
- [22] Morris SF, Wylie-Rosett J. Medical nutrition therapy: a key to diabetes and prevention. *Clinical Diabetes* 2010; 28: S12-S18.
- [23] The Diabetes Prevention Program Research Group: Reduction in the incidence of type 2 diabetes with lifestyle intervention or metformin. *N Engl J Med* 2002; 346: 393-403.
- [24] American Association of Clinical Endocrinologists, *Medical guidelines for clinical practice for the management of diabetes mellitus. Nutrition and diabetes*. AACE Diabetes Mellitus Clinical Practice Guidelines Task Force, 2007.
- [25] American Diabetes Association. Nutrition Recommendations and Intervention for Diabetes. *Diabetes Care* 31 (Suppl. 1), S61-S78, 2008.
- [26] Suckling RJ, He FJ, Macgregor GA. Altered dietary salt intake for preventing and treating diabetic kidney disease. *Cochrane Database Syst Rev* 2010 Dec 8; (12): CD006763.
- [27] J Mitri, MD Muraru, AG Pittas. Vitamin D and type 2 diabetes: a systematic review. *European Journal of Clinical Nutrition* 2011; 65: 1005-1015.
- [28] John B. Vincent. The Biochemistry of Chromium. *J Nutr* April 1, 2000 vol. 130, No. 4, 715-718.

- [29] Vincent, J. B. The quest for the molecular mechanism of chromium action and its relationship to diabetes. *Nutr Rev* 2000 Mar; 58: 67-72.
- [30] Busko M. Cutting back on red meat may lower risk for type 2 diabetes. *Medscape Medical News* June 18, 2013.
- [31] Tucker ME. Red meat raises gestational diabetes risk, nuts lower it. *Medscape Medical News* February 6, 2013.
- [32] Fagherazzi G, Vilier A, Bonnet F, et al. Dietary acid load and risk of type 2 diabetes: the E3N-EPIC cohort study. *Diabetologia* 2014; 57: 313-320.
- [33] Kelly JC. High dietary acid load may increase diabetes risk. *Medscape Medical News* November 14, 2013.
- [34] Tucker ME. Tree nuts improve glycemic control in type 2 diabetes. *Medscape Medical News* August 6, 2014.
- [35] Aceldo-Siegl K, Haddad E, Oda K, Fraser GE, Sabaté J. Tree nuts are inversely associated with metabolic syndrome and obesity: the Adventist Health Study-2. *PLoS One* 2014; 9:e85133.
- [36] O'Connor LM, Lentjes M, Luben R, Khaw KT, Wareham NJ, Forouhi NG. Dietary dairy product intake and incident type 2 diabetes: a prospective study using dietary data from a 7-day food diary. *Diabetologia* 2014; 57:909-917.
- [37] Tucker ME. Mediterranean diet cuts type 2 diabetes risk by a third. *Medscape Medical News* January 6, 2014. <http://medscape.com/viewarticle/818683> Accessed August 13, 2014.
- [38] PREDIMED. Effects of Mediterranean diet on the primary prevention of cardiovascular disease. ISRCTN Register. <http://controlled-trials.com/ISRCTN35739639> Accessed August 13, 2014.
- [39] Baynes J.W., Thorpe S.R. Role of oxidative stress in diabetic complications. A new perspective on an old paradigm. *Diabetes* 1999, Vol 48, pp. 1-9.
- [40] Brownlee, M. Biochemistry and molecular cell biology of diabetic complications. *Nature* 2001, Vol 414, pp. 813-820.
- [41] Wolff, S.P., Dean, R.T. Glucose autoxidation and protein modification: the potential role of autoxidative glycosylation in diabetes. *Biochem J* 1987, Vol. 245, pp. 243-250.
- [42] Kakkar, R., Kalra, J., Mantha, S.V., Prasad, K. Lipid peroxidation and activity of antioxidant enzymes in diabetic rats. *Mol Cell Biochem* 1995, Vol. 151, pp. 113-119.
- [43] Oberley, L.W. Free radicals and diabetes. *Free Rad Biol Med* 1988, Vol. 5, pp. 111-124.
- [44] Wolff, S.P. Diabetes mellitus and free radicals. *Brit Med Bull* 1993, Vol. 49, pp. 642-652.
- [45] Hunt J.V., Smith, C.C.T., Wolf, S.P. Autoxidative glycosylation and possible involvement of peroxides and free radicals in LDL modification by glucose. *Diabetes* 1990, Vol. 39, pp. 1420-1424.
- [46] Matkovic, B., Varga, S.I., Szabo, L., Witas, H. The effect of diabetes on the activities of the peroxides metabolizing enzymes. *Horm Metab Res* 1983, 14, pp. 77-79.
- [47] Baynes J.W., Thorpe S.R. The role of oxidative stress in diabetic complications. *Curr Opin Endocrinol* 1996, Vol 3, pp. 277-284.
- [48] Golbidi S, Ebadi SA, Laher I. Antioxidants in the treatment of diabetes. *Curr Diabetes Rev* 2011 Mar; 7(2): 106-25.
- [49] Marles R.J, Fransworth, N.R. Antidiabetic plants and their active constituents. *Phytomedicine* 1995, Vol. 2, pp. 137-189.
- [50] Platel, K., Srinivasan K. Plant foods in the management of diabetes mellitus: vegetables as potential hypoglycaemic agents. *Food/Nahrung* 1997, Vol. 41, No. 2, pp. 68-74.
- [51] Tanira, M.O.M. Antidiabetic medicinal plants: a review of the present status and future directions. *Int J Diabetes* 1994, Vol. 2, No. 1, pp. 15-22.
- [52] Zareba, G., Serradell, N., Castañer, R., Davies, S.L., Prous, J., Mealy, N. Phytotherapies for diabetes. *Drugs of the Future* 2005, Vol. 30, No. 12, pp. 1253-1282.
- [53] Malviya, N., Jain, S. Anti diabetic potential of medicinal plants. *Acta Poloniae Pharmaceutica & Drug Research* 2010, Vol. 67, No. 2, pp. 113-118.
- [54] Madar, Z., Abel R., Samish, S., Arad, J. Glucose lowering effect of fenugreek in non-insulin dependent diabetics. *Eur J Clin Nutr* 1988, Vol. 42, No. 1, pp. 51-54.
- [55] Basch, E., Gabardi, S., Ulbricht, C. Bitter melon (*Momordica charantia*): a review of efficacy and safety. *Am J Health System* 2003, Vol 60, No. 4, pp. 356-359.
- [56] Thomson, M., Al-Amin, Z.M., Al-Qattan, K.K., Shaban, L.H., Ali, M. Antidiabetic and hypolipidaemic properties of garlic (*Allium sativum*) in streptozotocin-induced diabetic rats. *Int J Diabetes Metabol* 2007, Vol. 15, pp.108-115.
- [57] Sheela, C.G., Augusti, K.T. Antidiabetic effects of S-allyl cysteine sulphoxide isolated from garlic *Allium sativum* Linn. *Indian J Exp Biol* 1992, Vol. 30, No. 6, pp. 523-526.
- [58] Ramezani, M., Azar, A.M., Hosseini, H., Abdi, H., Baher, G.H., Hosseini M.A.S. The effects of *Silybum marianum* (L.) Gaertn. seed extract on glycemic control in type II diabetic patient's candidate for insulin therapy visiting endocrinology clinic in Baqiyatallah Hospital in the years of 2006. *J Med Plants* 2008, Vol. 7, No 26, pp. 79-84.
- [59] Tsuneki H, Ishizuka M, Terasawa M, Wu JB, Sasaoka T, Kimura I. Effect of green tea on blood glucose levels and serum proteomic patterns in diabetic (db/db) mice and on glucose metabolism in healthy humans. *BMC pharmacology* 2004, Vol. 4, No. 1, pp. 18-21.
- [60] Zhou, L., Meng, Q., Qian, T., Yang, Z., Ginkgo biloba extract enhances glucose tolerance in hyperinsulinism-induced hepatic cells. *J Nat Med* 2011, Vol. 65, No. 1, pp. 50-6.
- [61] Eydi, M., Solymani, F., Ebrahimi, S. Hypolipidemic Effects of *Allium porrum* L. Leaves in Healthy and Streptozotocin-Induced Diabetic Mice. *J Med Plants* 2007, Vol. 6, No. 24, pp. 85-91.
- [62] Anderson, R.A. Chromium and polyphenols from cinnamon improve insulin sensitivity. *Proc Nutr Soc* 2008, Vol 67, pp. 48-53.
- [63] Anderson, R.A., Roussel A.M. Cinnamon, glucose and insulin sensitivity. In: Pasupuleti V, Anderson JW, editors, *Nutraceuticals, glycemic health and type 2 diabetes*, IFT press series, Wiley-Blackwell Publishing, 2008, pp. 127-140.
- [64] Panickar, K.S., Cao, H., Qin, B., Anderson, R.A. Molecular targets and health benefits of cinnamon. In: Aggarwal, B.B., Kunnumakkara, A.B., editors, *Molecular*

targets and therapeutic uses of spices, World Scientific Publishing, 2009, pp. 87-116.

[65] Qin, B., Panickar K.S., Anderson R.A. Cinnamon: potential role in the prevention of insulin resistance, metabolic syndrome, and type 2 diabetes. *J Diab Sci Technol* 2010, Vol. 4, pp. 685-693.

[66] Offenbacher, E.G., Pi-Sunyer, F.X. Beneficial effect of chromium-rich yeast on glucose tolerance and blood lipids in elderly subjects. *Diabetes* 1980, Vol. 29, pp. 919-925.

[67] Edens, N.K., Reaves, L.A., Bergana, M.S., Reyzer, I.L., O'Mara, P., Baxter, J.H., Snowden, M.K. Yeast extract stimulates glucose metabolism and inhibits lipolysis in rat adipocytes in vitro. *J Nutr* 2002, Vol. 132, No. 6, pp. 1141-1148.

[68] Samad, A., Shams, M.S., Ullah, Z., Wais, M., Nazish, I., Sultana, Y., Aqil, M. Status of herbal medicines in the treatment of diabetes: a review. *Curr Diab Rev* 2009, Vol. 5, pp. 102-111.

[69] Lagiou P, Sandin S, Lof M, Trichopoulos D, Adami HO, Weiderpass E. Low carbohydrate-high protein diet and incidence of cardiovascular diseases in Swedish women: prospective cohort study. *BMJ* 2012 Jun 26; 344: e4026. doi:10.1136/bmj.e4026

[70] Salas-Salvado J, Bullo M, Babio N, Martinez-Gonzalez MA, Ibarrola-Jurado N, Basora J, Estruch R, Covas MI, Corella D, Aros F, Ruiz-Gutierrez V, Ros E. Reduction in the incidence of type 2 diabetes with the Mediterranean diet: results of the PREDIMED-Reus Nutrition Intervention Randomized Trial. *Diabetes Care* 2011; 34: 14-9.

[71] Estruch R, Ros E, Salas-Salvadó J, Covas MI, Corella D, Arós F, Gómez-Gracia E, Ruiz-Gutiérrez V, Fiol M, Lapetra J, Lamuela-Raventos RM, Serra-Majem L, Pintó X, Basora J, Muñoz MA, Sorlí JV, Martínez JA, Martínez-González MA, PREDIMED Study Investigators. Primary prevention of cardiovascular disease with a Mediterranean diet. *N Engl J Med* 2013 Apr 4; 368 (14): 1279-90.

[72] Sofi F, Cesari F, Abbate R, Gensini GF, Casini A: Adherence to Mediterranean diet and health status: meta-analysis. *BMJ* 2008 Sep 11; 337: a 1344.

[73] Carlo Maria Rotella, *Il ruolo dell'educazione terapeutica*. Collana Manuali monotematici in diabetologia, SEE editore, 2005.

[74] DAFNE Study Group. Training in flexible, intensive insulin management to enable dietary freedom in people with type 1 diabetes: dose adjustment for normal eating (DAFNE) randomised controlled trial. *BMJ* 2002 Oct 5; 325(7367): 746.

[75] Anderson EJ, Richardson M, Castle G, Cercone S, Delahanty L, Lyon R, Mueller D, Snetselaar L. Nutrition interventions for intensive therapy in the Diabetes Control and Complications Trial. The DCCT Research Group. *J Am Diet Assoc* 1993 Jul; 93(7): 768-72.

[76] Delahanty LM, Halford BN. The role of diet behaviors in achieving improved glycemic control in intensively treated patients in the Diabetes Control and Complications Trial. *Diabetes Care* 1993 Nov; 16(11): 1453-8.

[77] Laurenzi A, Bolla AM, Panigoni G, Doria V, Uccellatore A, Peretti E, Saibene A, Galimberti G, Bosi E, Scavini M. Effects of carbohydrate counting on glucose control and quality of life over 24 weeks in adult patients with type 1 diabetes on continuous subcutaneous insulin

infusion: a randomized, prospective clinical trial (GIO-CAR). *Diabetes Care* 2011 Apr; 34(4): 823-7.

[78] Mary A. Johnson. Carbohydrate Counting: A Return to Basics Carbohydrate Counting for People With Type 2 Diabetes. *Diabetes Spectrum* 2000, Volume 13, Number 3, Page 149.

[79] Bergenstal RM, Johnson M, Powers MA, Wynne A, Vlahinic A, Hollander P, Rendell M. Adjust to target in type 2 diabetes: comparison of a simple algorithm with carbohydrate counting for adjustment of mealtime insulin glulisine. *Diabetes Care* 2008 Jul; 31(7): 1305-10.

[80] Dinneen S, Gerich J, Rizza R. Carbohydrate metabolism in non-insulin-dependent diabetes mellitus. *N Engl J Med* 1992 Sep 3; 327(10): 707-13.

[81] Loghmani E, Rickard K, Washburne L, Vandagriff J, Fineberg N, Golden M. Glycemic response to sucrose-containing mixed meals in diets of children with insulin-dependent diabetes mellitus. *J Pediatr* 1991; 119: 531-537.

[82] Steele JM, Mitchell D, Prescott RL. Comparison of the glycaemic effect of fructose, sucrose and starch-containing mid-morning snacks in insulin-dependent diabetics. *Hum Nutr Appl Nutr* 1983; 37A: 3-8.

[83] Bantle JP, Swanson JE, Thomas W, Laine DC. Metabolic effects of dietary sucrose in type II diabetic subjects. *Diabetes Care* 1993 Sep; 16 (9): 1301-5.

[84] Nuttall FQ, Gannon MC. Plasma glucose and insulin response to macronutrients in nondiabetic and NIDDM subjects. *Diabetes Care* 1991 Sep; 14(9): 824-38.

[85] Nuttall FQ, Mooradian AD, Gannon MC, Billington C, Krezowski P. Effect of protein ingestion on the glucose and insulin response to a standardized oral glucose load. *Diabetes Care* 1984 Sep-Oct; 7(5): 465-70.

[86] Brackenridge BP. Carbohydrate gram counting: a key to accurate mealtime boluses in intensive therapy. *Pract Diabetol* 1992, 11: 22-28.

[87] Walsh J, Roberts R. *Insulin pump therapy handbook*. MiniMed technologies, Sylmar, CA, 1992.

[88] Daniela Bruttomesso, *La terapia insulinica con microinfusore*, Eco edizioni internazionali.

[89] Wolever TMS, Brand-Miller JC: Influence of glycaemic index/load on glycemic response, appetite, and food intake in healthy humans (Letter). *Diabetes Care* 2006, 29: 474-475.

[90] Foster-Powell K, Holt SH, Brand-Miller JC. International Table of Glycemic Index and Glycemic Load Values. *Am J Clin Nutr* 2002, 76: 5-56.

[91] Mannucci E, Pala L, Rotella CM. Long-term interactive group education for type 1 diabetic patients. *Acta Diabetol* 2005 Mar; 42 (1): 1-6.

[92] Da Vico L, Monami M, Biffi B, Lamanna C, Martelli C, Marchionni N, Mannucci E. Targeting educational therapy for type 2 diabetes: identification of predictors of therapeutic success. *Acta Diabetol* 2012 Feb 16.

[93] Trento M, Trinetta A, Kucich C, Grassi G, Passera P, Gennari S, Paganin V, Tedesco S, Charrier L, Cavallo F, Porta M. Carbohydrate counting improves coping ability and metabolic control in patients with Type 1 diabetes managed by Group Care. *J Endocrinol Invest* 2011 Feb; 34(2): 101-5.

[94] Schmidt S, Meldgaard M, Serifovski N, Storm C, Christensen TM, Gade-Rasmussen B, Nørgaard K. Use of

- an automated bolus calculator in MDI-treated type 1 diabetes: the BolusCal Study, a randomized controlled pilot study. *Diabetes Care* 2012 May; 35(5): 984-90.
- [95] Kalergis M, Pacaud D, Strychar I, Meltzer S, Jones PJ, Yale JF. Optimizing insulin delivery: assessment of three strategies in intensive diabetes management. *Diabetes Obes Metab* 2000 Oct; 2(5): 299-305.
- [96] Bergenstal RM, Johnson M, Powers MA, Wynne A, Vlajnic A, Hollander P, Rendell M. Adjust to target in type 2 diabetes: comparison of a simple algorithm with carbohydrate counting for adjustment of mealtime insulin glulisine. *Diabetes Care* 2008 Jul; 31(7): 1305-10.
- [97] Bao J, Gilbertson HR, Gray R, Munns D, Howard G, Petocz P, Colagiuri S, Brand-Miller JC. Improving the estimation of mealtime insulin dose in adults with type 1 diabetes: the Normal Insulin Demand for Dose Adjustment (NIDDA) study. *Diabetes Care* 2011 Oct; 34(10): 2146-51.
- [98] Shashaj B, Busetto E, Sulli N. Benefits of a bolus calculator in pre- and postprandial glycaemic control and meal flexibility of paediatric patients using continuous subcutaneous insulin infusion (CSII). *Diabet Med* 2008 Sep; 25(9): 1036-42.
- [99] Błazik M, Pańkowska E. The effect of bolus and food calculator Diabetics on glucose variability in children with type 1 diabetes treated with insulin pump: the results of RCT. *Pediatr Diabetes* 2012 Nov; 13(7): 534-9.
- [100] Enander R, Gundeval C, Strömngren A, Chaplin J, Hanas R. Carbohydrate counting with a bolus calculator improves post-prandial blood glucose levels in children and adolescents with type 1 diabetes using insulin pumps. *Pediatr Diabetes* 2012 Nov; 13(7): 545-51.
- [101] <http://food.oregonstate.edu/learn/sugar.html>
- [102] Daniel König et al. *Impact of the glycaemic index. Carbohydrates in sports nutrition*, 2007.