

PREVENTION PROTOCOLS
REFERENCES

Abstracts for Protocol

- Avila, M.A., Berasain, C., Torres, L., Martin-Duce, A., Corrales, F.J., Yang, H., Prieto, J., Lu, S.C., Caballeria, J., Rodes, J., Mato, J.M. Reduced mRNA abundance of the main enzymes involved in methionine metabolism in human liver cirrhosis and hepatocellular carcinoma. *J. Hepatol.* 2000 Dec; 33(6): 907-14.
- Barch, D.H., Rundhaugen, L.M., Stoner, G.D., Pillay, N.S., Rosche W.A. Structure-function relationships of the dietary anticarcinogen ellagic acid. *Carcinogenesis* 1996; 17(2): 265-9.
- Bassenge, E., Fink, N., Skatchkov, M., Fink, B. Dietary supplement with vitamin C prevents nitrate tolerance. *J. Clin. Invest.* 1998 Jul 1; 102(1): 67-71.
- Berger, S.J., Gupta, S., Belfi, C.A., Gosky, D.M., Mukhtar, H. Green tea constituent (-)-epigallocatechin-3-gallate inhibits topoisomerase I activity in human colon carcinoma cells. *Biochem. Biophys. Res. Commun.* 2001 Oct 19; 288(1): 101-5.
- Boege, F., Straub, T., Kehr, A., Boesenberg, C., Christiansen, K., Andersen, A., Jakob, F., Kohrle, J. Selected novel flavones inhibit the DNA binding or the DNA religation step of eukaryotic topoisomerase I. *J. Biol. Chem.* 1996 Jan 26; 271(4): 2262-70.
- Bonithon-Kopp, C., Coudray, C., Berr, C., Touboul, P.J., Feve, J.M., Favier, A., Ducimetiere, P. Combined effects of lipid peroxidation and antioxidant status on carotid atherosclerosis in a population aged 59-71 y: The EVA Study. *Etude sur le Vieillissement Arteriel. Am. J. Clin. Nutr.* 1997 Jan; 65(1): 121-7.
- Bosy-Westphal, A., Petersen, S., Hinrichsen, H., Czech, N., Muller, M. Increased plasma homocysteine in liver cirrhosis. *Hepatol. Res.* 2001 May 1; 20(1): 28-38.
- Branca, F., Valtuena, S., Valtuena, S. Calcium, physical activity and bone health-building bones for a stronger future. *Public Health Nutr.* 2001 Feb; 4(1A): 117-23.
- Bruemmer, B., White, E., Vaughan, T.L., Cheney, C.L. Nutrient intake in relation to bladder cancer among middle-aged men and women. *Am. J. Epidemiol.* 1996 Sep 1; 144(5): 485-95.
- Chambers, J.C., McGregor, A., Jean-Marie, J., Obeid, O.A., Kooner, J.S. Demonstration of rapid onset vascular endothelial dysfunction after hyperhomocysteinemia: an effect reversible with vitamin C therapy. *Circulation* 1999 Mar 9; 99(9): 1156-60.
- Clark, L.C., Combs, G.F., Jr., Turnbull, B.W., Slate, E.H., Chalker, D.K., Chow, J., Davis, L.S., Glover, R.A., Graham, G.F., Gross, E.G., Krongrad, A., Leshner, J.L., Jr., Park, H.K., Sanders, B.B., Jr., Smith, C.L., Taylor, J.R. Effects of selenium supplementation for cancer prevention in patients with carcinoma of the skin. A randomized controlled trial. *Nutritional Prevention of Cancer Study Group. JAMA* 1996 Dec 25; 276(24): 1957-63.
- Cristoni, A., Di Pierro, F., Bombardelli, E. Botanical derivatives for the prostate. *Fitoterapia* 2000 Aug; 71(Suppl. 1): S21-8.
- Curhan, G.C., Willett, W.C., Speizer, F.E., Stampfer, M.J. Intake of vitamins B6 and C and the risk of kidney stones in women. *J. Am. Soc. Nephrol.* 1999 Apr; 10(4): 840-5.
- Deuther-Conrad, W., Loske, C., Schinzel, R., Dringen, R., Riederer, P., Munch, G. Advanced glycation endproducts change glutathione redox status in SH-SY5Y human neuroblastoma cells by a hydrogen peroxide dependent mechanism. *Neurosci. Lett.* 2001 Oct 12; 312(1): 29-32.
- DiMauro, S. Exercise intolerance and the mitochondrial respiratory chain. *Ital. J. Neurol. Sci.* 1999 Dec; 20(6): 387-93.

- Dowd, R. Role of calcium, vitamin D, and other essential nutrients in the prevention and treatment of osteoporosis. *Nurs. Clin. North Am.* 2001 Sep; 36(3): 417-31.
- Dwivedi, C., Heck, W.J., Downie, A.A., Larroya, S., Webb, T.E. Effect of calcium gluconate on beta-glucuronidase activity and gluconate content of certain vegetable and fruits. *Biochem. Med. Metab. Biol.* 1990; 43(2): 83-92.
- Enstrom, J.E., Kanim, L.E., Klein, M.A. Vitamin C intake and mortality among a sample of the United States population. *Epidemiology* 1992 May; 3(3): 194-202.
- Evangelou, A., Kalpouzos, G., Karkabounas, S., Liasko, R., Nonni, A., Stefanou, D., Kallistratos, G. Dose-related preventive and therapeutic effects of antioxidants-anticarcinogens on experimentally induced malignant tumors in Wistar rats. *Cancer Lett.* 1997 May 1; 115(1): 105-11.
- Foss, H.M., Roberts, C.J., Claeys, K.M., Selker, E.U. Abnormal chromosome behavior in *Neurospora* mutants defective in DNA methylation. *Science* 1993 Dec 10; 262(5140): 1737-41.
- Fujiki, H., Suganuma, M., Okabe, S., Sueoka, E., Sueoka, N., Fujimoto, N., Goto, Y., Matsuyama, S., Imai, K., Nakachi, K. Cancer prevention with green tea and monitoring by a new biomarker, hnRNP B1. *Mutat. Res.* 2001 Sep 1; 480-481: 299-304.
- Gaal, L., Molnar, P. Effect of vinpocetine on noradrenergic neurons in rat locus coeruleus. *Eur. J. Pharmacol.* 1990 Oct 23; 187(3): 537-9.
- Gann, P.H., Ma, J., Giovannucci, E., Willett, W., Sacks, F.M., Hennekens, C.H., Stampfer, M.J. Lower prostate cancer risk in men with elevated plasma lycopene levels: results of a prospective analysis. *Cancer Res.* 1999 Mar 15; 59(6): 1225-30.
- Giovannucci, E., Stampfer, M.J., Colditz, G.A., Hunter, D.J., Fuchs, C., Rosner, B.A., Speizer, F.E., Willett, W.C. Multivitamin use, folate, and colon cancer in women in the Nurses' Health Study. *Ann. Intern. Med.* 1998 Oct 1; 129(7): 517-24.
- Hankey, G.J., Eikelboom, J.W. Homocysteine levels in patients with stroke: clinical relevance and therapeutic implications. *CNS Drugs* 2001; 15(6): 437-43.
- Ishani, A., MacDonald, R., Nelson, D., Rutks, I., Wilt, T.J. *Pygeum africanum* for the treatment of patients with benign prostatic hyperplasia: a systematic review and quantitative meta-analysis. *Am. J. Med.* 2000 Dec 1; 109(8): 654-64.
- Kawaii, S., Tomono, Y., Katase, E., Ogawa, K., Yano, M. Effect of citrus flavonoids on HL-60 cell differentiation. *Anticancer Res.* 1999 Mar-Apr; 19(2A): 1261-9.
- Khaw, K.T., Bingham, S., Welch, A., Luben, R., Wareham, N., Oakes, S., Day, N. Relation between plasma ascorbic acid and mortality in men and women in EPIC-Norfolk prospective study: a prospective population study. *European Prospective Investigation into Cancer and Nutrition. Lancet* 2001 Mar 3; 357(9257): 657-63.
- Kim, W.-K. S-nitrosation ameliorates homocysteine-mediated neurotoxicity in primary culture of rat cortical neurons. *Korean J. Pharmacol.* 1996; 32(2): 169-75.
- Kim, Y.I., Pogribny, I.P., Basnakian, A.G., Miller, J.W., Selhub, J., James, S.J., Mason, J.B. Folate deficiency in rats induces DNA strand breaks and hypomethylation within the p53 tumor suppressor gene. *Am. J. Clin. Nutr.* 1997 Jan; 65(1): 46-52.
- Kiss, B., Karpati, E. Mechanism of action of vinpocetine. *Acta Pharm. Hung.* 1996 Sep; 66(5): 213-24 (in Hungarian).
- Konrad, L., Muller, H.H., Lenz, C., Laubinger, H., Aumuller, G., Lichius, J.J. Antiproliferative effect on human prostate cancer cells by a stinging nettle root (*Urtica dioica*) extract. *Planta Med.* 2000 Feb; 66(1): 44-7.
- Koscielny, J., Klussendorf, D., Latza, R., Schmitt, R., Radtke, H., Siegel, G., Kiesewetter, H. The antiatherosclerotic effect of *Allium sativum*. *Atherosclerosis* 1999 May; 144(1): 237-49.
- Le Bars, P.L., Katz, M.M., Berman, N., Itil, T.M., Freedman, A.M., Schatzberg, A.F. A placebo-controlled, double-blind, randomized trial of an extract of *Ginkgo biloba* for dementia. North American EGb Study Group. *JAMA* 1997 Oct 22-29; 278(16): 1327-32.

Loarca-Pina, G., Kuzmicky, P.A., de Mejia, E.G., Kado, N.Y. Inhibitory effects of ellagic acid on the direct-acting mutagenicity of aflatoxin B1 in the Salmonella microsuspension assay. *Mutat. Res.* 1998 Feb 26; 398(1-2): 183-7.

Losonczy, K.G., Harris, T.B., Havlik, R.J. Vitamin E and vitamin C supplement use and risk of all-cause and coronary heart disease mortality in older persons: the Established Populations for Epidemiologic Studies of the Elderly. *Am. J. Clin. Nutr.* 1996 Aug; 64(2): 190-6.

Malinow, M.R., Ducimetiere, P., Luc, G., Evans, A.E., Arveiler, D., Cambien, F., Upson, B.M. Plasma homocyst(e)ine levels and graded risk for myocardial infarction: findings in two populations at contrasting risk for coronary heart disease. *Atherosclerosis* 1996; 126(1): 27-34.

Malinow, M.R., Duell, P.B., Hess, D.L., Anderson, P.H., Kruger, W.D., Phillipson, B.E., Gluckman, R.A., Block, P.C., Upson, B.M. Reduction of plasma homocyst(e)ine levels by breakfast cereal fortified with folic acid in patients with coronary heart disease. *N. Engl. J. Med.* 1998 Apr 9; 338(15): 1009-15.

Marks, L.S., Partin, A.W., Epstein, J.I., Tyler, V.E., Simon, I., Macairan, M.L., Chan, T.L., Dorey, F.J., Garris, J.B., Veltri, R.W., Santos, P.B., Stonebrook, K.A., deKernion, J.B. Effects of a saw palmetto herbal blend in men with symptomatic benign prostatic hyperplasia. *J. Urol.* 2000 May; 163(5): 1451-6.

Masser, P.A., Taylor, L.M., Jr., Porter, J.M. Importance of elevated plasma homocysteine levels as a risk factor for atherosclerosis. *Ann. Thorac. Surg.* 1994; 58(4): 1240-6.

Matsui, T., Arai, H., Yuzuriha, T., Yao, H., Miura, M., Hashimoto, S., Higuchi, S., Matsushita, S., Morikawa, M., Kato, A., Sasaki, H. Elevated plasma homocysteine levels and risk of silent brain infarction in elderly people. *Stroke* 2001 May; 32(5): 1116-9.

Munch, G., Mayer, S., Michaelis, J., Hipkiss, A.R., Riederer, P., Muller, R., Neumann, A., Schinzel, R., Cunningham, A.M. Influence of advanced glycation end-products and AGE-inhibitors on nucleation-dependent polymerization of beta-amyloid peptide. *Biochim. Biophys. Acta* 1997 Feb 27; 1360(1): 17-29.

Nielsen, F.H. Studies on the relationship between boron and magnesium which possibly affects the formation and maintenance of bones. *Magnesium Trace Elem.* 1990; 9(2): 61-9.

Noroozi, M., Angerson, W.J., Lean, M.E. Effects of flavonoids and vitamin C on oxidative DNA damage to human lymphocytes. *Am. J. Clin. Nutr.* 1998 Jun; 67(6): 1210-8.

Nyyssonen, K., Parviainen, M.T., Salonen, R., Tuomilehto, J., Salonen, J.T. Vitamin C deficiency and risk of myocardial infarction: prospective population study of men from eastern Finland. *Br. Med. J.* 1997 Mar 1; 314(7081): 634-8.

Oredipe, O.A., Barth, R.F., Dwivedi, C., Webb, T.E. Dietary glucarate-mediated inhibition of initiation of diethylnitrosamine-induced hepatocarcinogenesis. *Toxicology* 1992; 74(2-3): 209-22.

Osada, K., Takahashi, M., Hoshina, S., Nakamura, M., Nakamura, S., Sugano, M. Tea catechins inhibit cholesterol oxidation accompanying oxidation of low density lipoprotein in vitro. *Comp. Biochem. Physiol. C Toxicol. Pharmacol.* 2001 Feb; 128(2): 153-64.

Ostrowski, R.P. Effect of coenzyme Q10 (CoQ10) on superoxide dismutase activity in ET-1 and ET-3 experimental models of cerebral ischemia in the rat. *Folia Neuropathol.* 1999; 37(4): 247-51.

Ostrowski, R.P. Effect of coenzyme Q(10) on biochemical and morphological changes in experimental ischemia in the rat brain. *Brain Res. Bull.* 2000 Nov 1; 53(4): 399-407.

Preston, J.E., Hipkiss, A.R., Himsforth, D.T., Romero, I.A., Abbott, J.N. Toxic effects of beta-amyloid(25-35) on immortalised rat brain endothelial cell: protection by carnosine, homocarnosine and beta-alanine. *Neurosci. Lett.* 1998 Feb 13; 242(2): 105-8.

Reddi, K., Henderson, B., Meghji, S., Wilson, M., Poole, S., Hopper, C., Harris, M., Hodges, S.J. Interleukin 6 production by lipopolysaccharide-stimulated human fibroblasts is potently inhibited by naphthoquinone (vitamin K) compounds. *Cytokine* 1995 Apr; 7(3): 287-90.

Rodes, J., Cote, G., Lesperance, J., Bourassa, M.G., Doucet, S., Bilodeau, L., Bertrand, O.F., Harel, F., Gallo, R., Tardif, J.C.

Prevention of re-stenosis after angioplasty in small coronary arteries with probucol. *Circulation* 1998 Feb 10; 97(5): 429-36.

Rouhiainen, P., Rouhiainen, H., Salonen, J.T. Association between low plasma vitamin E concentration and progression of early cortical lens opacities. *Am. J. Epidemiol.* 1996 Sep 1; 144(5): 496-500.

Sacco, R.L. Newer risk factors for stroke. *Neurology* 2001 Sep 1; 57(Suppl. 2): S31-4.

Seyama, Y., Horiuchi, M., Hayashi, M., Kanke, Y. Effect of vitamin K2 on experimental calcinosis induced by vitamin D2 in rat soft tissue. *Int. J. Vitam. Nutr. Res.* 1996; 66(1): 36-8.

Shigenaga, M.K., Hagen, T.M., Ames, B.N. Oxidative damage and mitochondrial decay in aging. *Proc. Natl. Acad. Sci. U.S.A.* 1994 Nov 8; 91(23): 10,771-8.

Shults, C.W., Haas, R.H., Beal, M.F. A possible role of coenzyme Q10 in the etiology and treatment of Parkinson's disease. *Biofactors* 1999; 9(2-4): 267-72.

Stevens, M.J., Lattimer, S.A., Feldman, E.L., Helton, E.D., Millington, D.S., Sima, A.A., Greene, D.A. Acetyl-L-carnitine deficiency as a cause of altered nerve myo-inositol content, Na,K-ATPase activity, and motor conduction velocity in the streptozotocin-diabetic rat. *Metab. Clin. Exp.* 1996; 45(7): 865-72.

Suter, P.M., Locher, R., Lehmann, E., Vetter, W. Relationship between homocysteine and cardiovascular risk factors in obesity. *Nieren Hochdruckkr.* 1994; 23(10): 511-12.

Takahashi, T., Kobori, M., Shinmoto, H., Tsushida, T. Structure-activity relationships of flavonoids and the induction of granulocytic- or monocytic-differentiation in HL60 human myeloid leukemia cells. *Biosci. Biotechnol. Biochem.* 1998 Nov; 62(11): 2199-2204.

Teel, R.W. Ellagic acid binding to DNA as a possible mechanism for its antimutagenic and anticarcinogenic action. *Cancer Lett.* 1986; 30(3): 329-36.

Teucher, T., Obertreis, B., Ruttkowski, T., Schmitz, H. Cytokine secretion in whole blood of healthy subjects following oral administration of *Urtica dioica* L. plant extract. *Arzneim. Forsch.* 1996 Sep; 46(9): 906-10 (in German).

Thresiamma, K.C., Kuttan, R. Inhibition of liver fibrosis by ellagic acid. *Indian J. Physiol. Pharmacol.* 1996; 40(4): 363-6.

Tixier, J.M., Godeau, G., Robert, A.M., Hornebeck, W. Evidence by in vivo and in vitro studies that binding of pycnogenols to elastin affects its rate of degradation by elastases. *Biochem. Pharmacol.* 1984; 33(24): 3933-9.

Torres, L., Garcia-Trevijano, E.R., Rodriguez, J.A., Carretero, M.V., Bustos, M., Fernandez, E., Eguinoa, E., Mato, J.M., Avila, M.A. Induction of TIMP-1 expression in rat hepatic stellate cells and hepatocytes: a new role for homocysteine in liver fibrosis. *Biochim. Biophys. Acta* 1999 Sep 20; 1455(1): 12-22.

Tseng, M., Murray, S.C., Kupper, L.L., Sandler, R.S. Micronutrients and the risk of colorectal adenomas. *Am. J. Epidemiol.* 1996 Dec 1; 144(11): 1005-14.

Tsukada, K., Abe, T., Kuwahata, T., Mitsui, K. Metabolism of S-adenosylmethionine in rat hepatocytes: transfer of methyl group from S-adenosylmethionine by ethyltransferase reactions. *Jpn. Life Sci.* 1985; 37(7): 665-72.

Tucker, K.L., Mahnken, B., Wilson, P.W., Jacques, P., Selhub, J. Folic acid fortification of the food supply. Potential benefits and risks for the elderly population. *JAMA* 1996 Dec 18; 276(23): 1879-85.

Turley, J.M., Fu, T., Ruscetti, F.W., Mikovits, J.A., Bertolette, D.C., III, Birchenall-Roberts, M.C. Vitamin E succinate induces Fas-mediated apoptosis in estrogen receptor-negative human breast cancer cells. *Cancer Res.* 1997 Mar 1; 57(5): 881-90.

van Dam, P.S., van Asbeck, B.S., Van Oirschot, J.F., Biessels, G.J., Hamers, F.P., Marx, J.J. Glutathione and alpha-lipoate in diabetic rats: nerve function, blood flow and oxidative state. *Eur. J. Clin. Invest.* 2001 May; 31(5): 417-24.

Van den Berg, M., Boers, G.H.J. Homocystinuria: what about mild hyperhomocysteinaemia? *Amsterdam Neth. Postgrad. Med. J.* 1996; 72(851): 513-18.

Vita, J.A., Keaney, J.F., Jr., Raby, K.E., Morrow, J.D., Freedman, J.E., Lynch, S., Koulouris, S.N., Hankin, B.R., Frei, B. Low plasma ascorbic acid independently predicts the presence of an unstable coronary syndrome. *J. Am. Coll. Cardiol.* 1998 Apr; 31(5): 980-6.

Volpe, S.L., Taper, L.J., Meacham, S. The relationship between boron and magnesium status and bone mineral density in the human: a review. *Magnesium Res.* 1993 Sep; 6(3): 291-6.

Wainfan, E., Poirier, L.A. Methyl groups in carcinogenesis: effects on DNA methylation and gene expression. *Cancer Res.* 1992 Apr 1; 52(7, Suppl.): 2071s-2077s.

Walaszek, Z., Szemraj, J., Hanausek, M., Adams, A.K., Sherman, U. D-glucaric acid content of various fruits and vegetables and cholesterol-lowering effects of dietary D-glucarate in the rat. *Nutr. Res.* 1996; 16(4): 673-81.

Wang, J.A., Dudman, N.P., Lynch, J., Wilcken, D.E. Betaine:homocysteine methyltransferase-a new assay for the liver enzyme and its absence from human skin fibroblasts and peripheral blood lymphocytes. *Clin. Chim. Acta* 1991 Dec 31; 204(1-3): 239-49.

Watanabe, H., Kakihana, M., Ohtsuka, S., Sugishita, Y. Randomized, double-blind, placebo-controlled study of the preventive effect of supplemental oral vitamin C on attenuation of development of nitrate tolerance. *J. Am. Coll. Cardiol.* 1998 May; 31(6): 1323-9.

Watson, R.R., Huls, A., Araghinikoum, M., Chung, S. Dehydroepiandrosterone and diseases of aging. *Drugs Aging* 1996 Oct; 9(4): 274-91.

Whelan, R.L., Horvath, K.D., Gleason, N.R., Forde, K.A., Treat, M.D., Teitelbaum, S.L., Bertram, A., Neugut, A.I. Vitamin and calcium supplement use is associated with decreased adenoma recurrence in patients with a previous history of neoplasia. *Dis. Colon Rectum* 1999 Feb; 42(2): 212-7.

Wilcken, D.E., Dudman, N.P., Tyrrell, P.A. Homocystinuria due to cystathionine beta-synthase deficiency-the effects of betaine treatment in pyridoxine-responsive patients. *Metabolism* 1985 Dec; 34(12): 1115-21.

Wolkowitz, O.M., Reus, V.I., Roberts, E., Manfredi, F., Chan, T., Raum, W.J., Ormiston, S., Johnson, R., Canick, J., Brizendine, L., Weingartner, H. Dehydroepiandrosterone (DHEA) treatment of depression. *Biol. Psychiatry* 1997 Feb 1; 41(3): 311-8.

Yin, F., Giuliano, A.E., Van Herle, A.J. Signal pathways involved in apigenin inhibition of growth and induction of apoptosis of human anaplastic thyroid cancer cells (ARO). *Anticancer Res.* 1999 Sep-Oct; 19(5B): 4297-4303.

Yuan, J.M., Ross, R.K., Chu, X.D., Gao, Y.T., Yu, M.C. Prediagnostic levels of serum beta-cryptoxanthin and retinol predict smoking-related lung cancer risk in Shanghai, China. *Cancer Epidemiol. Biomarkers Prev.* 2001 Jul; 10(7): 767-73.

Zhang, S., Hunter, D.J., Forman, M.R., Rosner, B.A., Speizer, F.E., Colditz, G.A., Manson, J.E., Hankinson, S.E., Willett, W.C. Dietary carotenoids and vitamins A, C, and E and risk of breast cancer. *J. Natl. Cancer Inst.* 1999 Mar 17; 91(6): 547-56.

Become a member of the Foundation. Visit the LEF Forum.
Recommend the LEF Web Site

These statements have not been evaluated by the FDA. These products are not intended to diagnose, treat, cure or prevent any disease. The information provided on this site is for informational purposes only and is not intended as a substitute for advice from your physician or other health care professional or any information contained on or in any product label or packaging. You should not use the information on this site for diagnosis or treatment of any health problem or for prescription of any medication or other treatment. You should consult with a healthcare professional before starting any diet, exercise or supplementation program, before taking any medication, or if you have or suspect you might have a health problem. You should not stop taking any medication without first consulting your physician.