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Acuff AV, Thedford SS, Hidiroglou NN, et al. Relative bioavailability of RRR- and all-rac-alpha-tocopheryl acetate in humans: studies using deuterated compounds. *Am J Clin Nutr* 1994;60:397-402.

Alhadeff L, Gualteri T, Lipton M. Toxic effects of water-soluble vitamins. *Nutr Rev* 1984;42:33-40.

*Ann NY Acad Sci* 1980;355:18-32.

Askew E. Environmental and physical stress and nutrient requirements. *Am J Clin Nutr* 61(Suppl):631S-637S (1995).

Barclay LRC, Locke SJ, MacNeil JM. The autoxidation of unsaturated lipids in micelles. Synergism of inhibitors vitamins C and E. *Can J Chem* 1983;61:1288-1290.

Beetens JR, Coene MC, Vehyeyen A, et al. Vitamin C increases the prostacyclin production and decreases the vascular lesions in experimental atherosclerosis in rabbits. *Prostaglandins* 1986;32:335-352.

Belko AZ, Obarzanek MPH, Kalkwarf BS, et al. Effects of exercise on riboflavin requirements of young women. *Am J Clin Nutr* 37L509-517 (1983).

Ben-Amotz A, Fishler R. Analysis of carotenoids with emphasis on 9-cis beta-carotene in vegetables and fruits commonly consumed in Israel. *Food Chemistry* 1998;62(4):515-520.

Ben-Amotz A, Levy Y. Bioavailability of a natural isomer mixture compared with synthetic all-trans beta-carotene in human serum. *Am J Clin Nutr* 1996;63:729-734.

Block G. Vitamin C and cancer prevention. *Am J Clin Nutr* 1991;53:270S-282S.

Calabrese LH, Nieman DC, Exercise, immunity and infection. *J Am Osteopathic Assoc* 1996;96:166-176.

Chapter 16: Thiamin. DB McCormick. In: *Modern Nutrition in Health and Disease*, Shils and Young, eds. Lea and Febiger, Philadelphia, 1988, pp. 355-361.

Chapter 17: Riboflavin. DB McCormick. In: *Modern Nutrition in Health and Disease*, Shils and Young, eds. Lea and Febiger, Philadelphia, 1988, pp. 362-369.

Chapter 19: Vitamin B6. DB McCormick. In: *Modern Nutrition in Health and Disease*, Shils and Young, eds. Lea and Febiger, Philadelphia, 1988, pp. 376-382.

Chapter 20: Pantothenic acid. DB McCormick. In: *Modern Nutrition in Health and*

Disease, Shils and Young, eds. Lea and Febiger, Philadelphia, 1988, pp. 383-387.

Chapter 21: Folic acid and vitamin B12. VD Herbert and N Colman. In: Modern Nutrition in Health and Disease, Shils and Young, eds. Lea and Febiger, Philadelphia, 1988, pp. 388-416.

Chumley MJ, Martin DT, Phillips EJ, Golic DS, et al. Enhanced cycling performance despite training-induced immunosuppression following successive days of intense training. Med Sci Sports Exerc 1995;27:S175.

Conner EM, Grisham MB. Inflammation, free radicals, and antioxidants. Nutrition 1996;12:272-277.

Consumer Reports on Health, June 1995, p.63.

Cunnane SC. Vitamin E intake affects serum thromboxane and tissue essential fatty acid composition in the rat. Ann Nutr Metab 1988;32:90-96.

Das UN. Interaction(s) between essential fatty acids, eicosanoids, cytokines, growth factors and free radicals: relevance to new therapeutic strategies in rheumatoid arthritis and other collagen vascular diseases. Prostaglandins Leukot Essential Fatty Acids 1991;44:201-210.

Deitrick RE. Oral proteolytic enzymes in the treatment of athletic injuries: a double-blind study. The Pennsylvania Journal 68:35-37, 1965.

Denzlinger C, Kless T, Sagebiel-Kohler S, et al. Modulation of the endogenous leukotriene production by fish oil and vitamin E. J Lipid Mediat Cell Signal 1995;11:119-132.

Dillard CJ, Litov RE, Savin WM, et al. Effects of exercise, vitamin E, and ozone on pulmonary function and lipid peroxidation. J Appl Physiol: Respirat Environ Exerc Physiol 1978;45:927-932.

Donnelly AE, McCormick K, Maughan RJ, et al. Effects of a non-steroidal anti-inflammatory drug on delayed onset muscle soreness and indices of damage. Br J Sports Med 1988;22:35-38.

Dupont J, Holub BJ, Knapp HR, Meydani M. Fatty acid-related functions. Am J Clin Nutr 1996;63:991S-993S.

El Attar TM, Lin HS. Effect of vitamin C and vitamin E on prostaglanin synthesis by fibroblasts and squamous carcinoma cells. Prostaglandins Leukot Essent Fatty Acids 1992;47:253-257.

Fed Proc 1975;34:2085-2089.

Franklin ME, Currier DP, Franklin RC. The effect of one session of muscle soreness-inducing weight lifting exercise on WBC count serum creatine kinase and plasma volume. Journal of Orthopaedic and Sport Physical Therapy 1991;13:316-321.

Fritzsche K, Cassity NA, Huang SC. Dietary (n-3) fatty acid and vitamin E interactions in rats: effects on vitamin E status, immune cell prostaglandin E production and primary antibody response. J Nutr 1992;122:1009-1018.

Gartner C, Stahl W, Sies H. Preferential increase in chylomicron levels of the xanthophylls lutein and zeaxanthin compared with beta carotene in the human. Int J Vit Nutr Res 1996;66:119-125.

Gisinger C, Jeremy J, Speiser P, et al. Effect of vitamin E supplementation on platelet thromboxane biosynthesis A2 production in type I diabetic patients. Double-blind crossover trial. Diabetes 1988;37:1260-1264.

Gleeson M, Almey J, Books S, et al. Hematological and acute-phase responses associated with delayed onset muscle soreness in humans. Eur J Appl Physiol Occup Physiol 71:137-142, 1995.

Goldfarb AH. Antioxidants: role of supplementation to prevent exercise-induced oxidative stress. Med Sci Sports Exerc 1993;25:232-236.

Goldman G, Welbourn R, Klausner JM, et al. Oxygen free radicals are required for ischemia-induced leukotriene B4 synthesis and diapedesis. Surgery 1992;111:287-293.

Hansen RA, Harris M, Cordain L. Effect of pretreatment with anti-inflammatory agents on delayed onset muscle soreness. FASEB J 1994;8:A307.

Hartmann A, Niess AM, Gruner-Fuchs et al. Vitamin E prevents exercise-induced DNA damage. Mutat Res 1995;246:195-202.

Hathcock HN. Vitamin and Mineral Safety. Washington DC: Council for Responsible Nutrition, 1997.

Hathcock HN. Vitamins and minerals: efficacy and safety. Am J Clin Nutr 1997;66:427-437.

Helgheim L, Hetland O, Nilsson S, et al. The effects of vitamin E on serum enzyme levels following heavy exercise. Eur J Appl Physiol 1979;40:283-289.

Hooper SL, Mackinnon LT, Howard A, et al. Markers for monitoring overtraining and recovery. Med Sci Sports Exerc 1995;27:106-112.

Hooper SL, Mackinnon LT, Howard A, et al. Markers for overtraining and recovery. *Med Sci Sports Exerc* 1995;27:106-112.

Ito C, Yamaguchi K, Shibutani Y, Suzuki K, Yamazaki Y, Komachi H, Ohnishi H, Fujimura H. Anti-inflammatory actions of proteases, bromelain, trypsin, and their mixed preparation (author's transl). *Nippon Yakurigaku Zasshi (Folia Pharmacol Jpn?)* 75:227-238, 1979.

Jakeman P, Maxwell S. Effect of antioxidant vitamin supplementation on muscle function after eccentric exercise. *Eur J Appl Physiol* 1993;67:426-430.

Jean T. Mediators involved in inflammation: effects of Daflon 500mg on their release. *Angiology--The Journal of Vascular Diseases* 1994;45(6 pt2):554-559.

Ji LL. Oxidative stress during exercise: implication of antioxidant nutrients. *Free Radic Biol Med* 18:1079-1086, 1995.

Kanter M. Free radicals and exercise: effects of nutritional antioxidant supplementation. In: *Exercise and Sports Sciences Reviews*, JO Holloszy(Ed), Baltimore, Philadelphia:Williams and Wilkins, 1995;23:375-397.

Kappus H, Diplock AT. Tolerance and safety of vitamin E: A toxicological position report. *Free Radical Biology and Medicine* 1992;13:55-74.

Keast D, Cameron K, Morton AR. Exercise and the immune response. *Sports Med* 1988;5:248-267.

Kuipers H, Heizer HA, Verstappen FT, Costill DL. Influence of a prostaglanin-inhibiting drug on muscle soreness after eccentric work. *Int J Sports Med* 1985;6:336-339, 1985.

Kuman CT, Reddy VK, Prasad M, et al. Dietary supplementation of vitamin E protects heart tissue from exercise-induced oxidant stress. *Mol Cell Biochem* 1992;111:109-115.

Kunisaki M, Umeda F, Inoguchi T, Nawata H. Vitamin E restores reduced prostacyclin synthesis in aortic endothelial cells cultured with a high concentration of glucose. *Metabolism* 1992;41:513-521 or 613-621.

Lawrence JD, Bower RC, Riehl WP, Smith JL. Effects of alpha tocopherol acetate on the swimming endurance of trained swimmers. *Am J Clin Nutr* 1975;29:205-208.

Lotz-Winter H. On the pharmacology of bromelain: an update with special regard to animal studies on dose-dependent effects. *Planta Med* 1990;56:249-253.

MacIntyre DL, Reid WD, Lyster DM, et al. Presence of WBC, decreased strength, and delayed soreness in muscle after eccentric exercise. *J Appl Physiol* 1006;80:1006-1013.

Mascio PD, Murphy ME, Sies H. Antioxidant defense systems: the role of carotenoids, tocopherols, and thiols. Am J Clin Nutr 1991;53:194S-200S.

McIntosh GH, Bulman FH, Looker JW, et al. The influence of linoleate and vitamin E from sunflower seed oil on platelet function and prostaglanin production in the common marmoset monkey. J Nutr Sci Vitaminol 1987;33:299-312.

Meydani M, Evans W, Handelman G. Antioxidant response to exercise-induced oxidative stress and protection by vitamin E. Ann NY Acad Sci 1992;669:363-364.

Meydani M, Evans WJ, Handelman G, et al. Protective effect of vitamin E on exercise-induced oxidative damage in young and older adults. Am J Physiol 1993;264(Regulatory Integrative Comp Physiol 33):R992-R998.

Meydani M. Modulation of platelet thromboxane A2 and aortic prostacyclin synthesis by dietary selenium and vitamin E. Biol Trace Elem Res 1992;22:79-86.

Meydani SN, Meydani M, Verdon CP, et al. Vitamin E supplementation suppresses prostaglandin E1(2) synthesis and enhances the immune response of aged mice. Mech Ageing Dev 1986;34:191-201.

Meyers DG, Maloley PA, Weeks D. Safety of antioxidant vitamins. Arch Intern Med 1996;156:925-935.

Meyers DG, Maloley PA, Weeks D. Safety of antioxidant vitamins. Arch Intern Med 1996;156:925-935.

Modern Nutrition in Health and Disease, Shils and Young, eds. 7th ed., 1988, Lea & Febiger, p. 1017.

Nagawa T, Kita H, Aoki J, et al. The effect of vitamin E on endurance. Asian Medical Journal 1968;11:619-633.

Nehlsen-Cannarella SL, Neiman DC, Balk-Lamberton AJ, et al. The effects of moderate exercise on immune response. Med Sci Sports Exerc 1991;23:64-70.

Neiman DC, Johanssen LM, Lee JW. Infectious episodes in runners before and after a roadrace. J Sports Med Phys Fitness 1989;29:289-296.

Nieman DC, Johanssen LM, Lee JW, Konstantinos A. Infectious episodes in runners before and after the Los Angeles Marathon. J Sports Med Physical Fitness 1990;30:316-328.

Niemann DC. Exercise, infection, and immunity. Int J Sports Med 1994;15(Suppl 3):S131-S141.

Niki E. Action of ascorbic acid as a scavenger of active and stable oxygen radicals. Am J Clin Nutr 1991;54:1119S-1124S.

Nute CC, Smith LL, Poteat GM, et al. High- and low-intensity eccentric exercise produce equivalent amounts of muscle soreness (DOMS) and creatine kinase(CK). Med Sci Sports Exerc 1992;24:S142.

Osato JA, Santiago LA, Remo GM, Cuadra MS, Mori A. Antimicrobial and antioxidant activities of unripe papaya. Life Sciences 53:1383-1389, 1993.

Packer L. Protective role of vitamin E in biological systems. Am J Clin Nutr 1991;53:1050S-1055S.

Parry-Billings M, Budgett R, Koutekakis Y, et al. Plasma amino acid concentrations in the overtraining syndrome: possible effects on the immune system. Med Sci Sports Exerc 1992;24:1353-1358.

Peters EM, Goetzsche JM, Grobbelaar B, Noakes TD. Vitamin C supplementation reduces the incidence of postrace symptoms of upper respiratory tract infection in ultramarathon runners. Am J Clin Nutr 1993;57:170-174.

Polette A, Blache D. Effect of vitamin E on acute iron load-potentiated aggregation, secretion, calcium uptake, and thromboxane biosynthesis in rat platelets. Atherosclerosis 1992;96:171-179.

Rathgeber WF, B.Ch. MB. The use of proteolytic enzymes (Chymoral) in sporting injuries. SA Medical Journal, 13 February 1971, pp. 181-183.

Reznick AZ, Witt EH, Sibermann M, Packer L. The threshold of age in exercise and antioxidants action. EXS 1992;62:423-427.

Rosen GM, Pou S, Ramos Cl, et al. Free radicals and phagocytic cells. FASEB J 1995;200-209.

Sauberlich HE, Herman YF, Stevens MSCO, and Herman RH. Thiamin requirement of the adult human. Am J Clin Nutr 32:2237-2248 (1979).

Shephard RJ, Rhind S, Shek PN. Exercise and the immune system. Natural killer cells, interleukins, and related responses. Sports Med 1994;18:340-369.

Shephard RJ, Shek PN. Exercise, aging, and immune function. Int J Sports Med 1995;16:1-6.

Simon-Schnass I, Pabst H. Influence of vitamin E on physical performance. Int J Vit Nutr Res 1988;58:49-54.

Sjodin B, Hellsten-Westling Y, Apple FS. Biochemical mechanisms for oxygen free radical formation during exercise. Sports Med 1990;10:236-254.

Smith LL, McCammon M, Smith S, et al. Leukocytosis response to metabolic demands or a sign of acute inflammation related to delayed onset muscle soreness DMS. Med Sci Sports Exerc 1988;10(2 Suppl):S74.

Smith LL. Acute inflammation: the underlying mechanism in delayed onset muscle soreness? Med Sci Sports Exerc 1991;23:542-551.

Stahl W, Schwarz W, Sies H. Human serum concentrations of all-trans beta- and alpha-carotene but not 9-cis beta-carotene increase upon ingestion of a natural isomer mixture obtained from Dunaliella salina (Betatene). J Nutr 1993;123:847-851.

Stampfer MJ, Jakubowski JA, Faigel D, et al. Vitamin E supplementation effect on human platelet function, arachidonic acid metabolism, and plasma prostacyclin levels. Am J Clin Nutr 1988;47:700-706.

Sumida S, Tanaka K, Kitao H, Nakadomo F. Exercise-induced lipid peroxidation and leakage of enzymes before and after vitamin E supplementation. Int J Biochem 1989;21:835-838.

Swartz SL, Willett WC, Hennekens CH. A randomized trial of the effect of vitamin E on plasma prostacyclin (6-keto-PGF1 alpha) levels in healthy adults. Prostaglandins Leukot Med 1985;18:105-111.

Szczeklik A, Gryglewski RJ, Domagala B, et al. Dietary supplementation with vitamin E in hyperlipoproteinemias: effects on plasma lipid peroxides, antioxidant activity, prostacyclin generation, and platelet aggregability. Thromb Haemost 1985;54:425-430.

Taussig SJ, Batkin S. Bromelain, the enzyme complex of pineapple (*Ananas comosus*) and its clinical application. An update. J Ethnopharmacol 1988;22:191-203.

Taussig SJ, Yokoyama MM, Chinen A, et al. Bromelain: a proteolytic enzyme and its clinical applications. A review. Hiroshima Journal of Medicinal Sciences 24:195-193, 1975.

van der Beek EJ, van Dokkum W, Schrijver J, et al. Effect of marginal vitamin intake on physical performance in man. Int J Sports Med 5:28-31 (1984).

van der Beek, EJ, van Dokkum W, Schrijver J, van den Berg H. Thiamin, Riboflavin, and Vitamin B6: Impact of restricted intake on physical performance in man. J Am Coll Nutr 13(6):629-640 (1994).

Vapaatalo H. Free radicals and anti-inflammatory drugs. Med Biol 1986;64:1-7.

Vasankari TJ, Kujala UM, Vasankari TM, et al. Increased serum and low-density lipoprotein antioxidant potential after antioxidant supplementation in endurance athletes. Am J Clin Nutr 1997;65:1052-1056.

Vellini M, Desideri D, Milanese A, Omini C, Daffonchio L, Hernandez A, Brunelli G. Possible involvement of eicosanoids in the pharmacological action of bromelain. Arzneimittel-Forschung/Drug Research 36:110-112, 1986.

Von Kameke E, Maehder K, Jacob E. Treatment of rheumatic disease with a mixture of enzymes in tablets and ointment. Arztez. Natureheilverfahren 23:156-170, 1982.

Walker JA, Cerny FJ, Cotter JR, Burton JR. Attenuation of contraction-induced skeletal muscle injury by bromelain. Med Sci Sports Exercise 1992;24:20-25.

Wartanowicz B, Panczenko-Kresowska B, Kiemianski M, et al. The effect of alpha tocopherol and ascorbic acid on the serum lipid peroxide level in elderly people. Ann Nutr Metab 1984;28:186-191.

Weisburger JH. Nutritional approach to cancer prevention with emphasis on vitamins, antioxidants, and carotenoids. Am J Clin Nutr 1991;53:226S-237S.

Wells JM, Smith LL, Holbert D, et al. The effect of indomethacin on delayed onset muscle soreness (DOMS) and markers of muscle damage and acute inflammation. Med Sci Sports Exerc 1992;24:S142.

Winrow VR, Winyard PG, Morris CJ, Blake DR. Free radicals in inflammation: second messengers and mediators of tissue destruction. Br Med Bull 1993;49:506-522.

Witt EH, Reznick AZ, Viguie CA, et al. Exercise, oxidative damage, and effects of antioxidant manipulation. J Nutr 1992;(3 Suppl):766-773.