資料２－３

追加関連論文
（β-apo-8'-カロテナール）
その１

1. Rock CL: Carotenoids: biology and treatment. Pharmacol Ther 1997; 75(3): 185-97【追加文献Ⅰ-1】

2. Bieri JG, Brown ED and Smith JC Jr: Determination of individual carotenoids in human plasma by high performance liquid chromatography. J Liq Chromatogr 1985; 8: 473-84【追加文献Ⅰ-2】

3. Takagi S, Kishi F, Nakajima K, Kimura Y and Nakano M: A seasonal variation of carotenoid composition in green leaves and effect of environmental factors on it. Sci Rep Fac Agr Okayama Univ 1990; 75: 1-7【追加文献Ⅰ-3】

4. Heinonen M: Food groups as the source of retinoids, carotenoids, and vitamin A in Finland. Int J Vitam Nutr Res 1991; 61(1): 3-9【追加文献Ⅰ-4】

5. Chug-Ahuja JK, Holden JM, Forman MR, Mangels AR, Beecher GR and Lanza E: The development and application of a carotenoid database for fruits, vegetables, and selected multicomponent foods. J Am Diet Assoc 1993; 93(3): 318-23【追加文献Ⅰ-5】

6. Rautalahti M, Albanes D, Haukka J, Roos E, Gref CG and Virtamo J: Seasonal variation of serum concentrations of β-carotene and α-tocopherol. Am J Clin Nutr 1993; 57(4): 551-6【追加文献Ⅰ-6】

7. Olmedilla B, Granado F, Blanco I and Rojas-Hidalgo E: Seasonal and sex-related variations in six serum carotenoids, retinol, and α-tocopherol. Am J Clin Nutr 1994; 60(1): 106-10【追加文献Ⅰ-7】

8. Scott KJ, Thurnham DI, Hart DJ, Bingham SA and Day K: The correlation between the intake of lutein, lycopene and β-carotene from vegetables and fruits, and blood plasma concentrations in a group of women aged 50-65 years in the UK. Br J Nutr 1996; 75(3): 409-18【追加文献Ⅰ-8】

9. Goldbohm RA, Brants HAM, Hulshof KFAM and van den Brandt PA: The contribution of various foods to intake of vitamin A and carotenoids in The Netherlands. Int J Vitam Nutr Res 1998; 68(6): 378-83【追加文献Ⅰ-9】

10. Xu M, Plezia PM, Alberts DS, Emerson SS, Peng Y, Sayers SM et al.: Reduction in plasma or skin alpha-tocopherol concentration with long-term oral administration of beta-carotene in humans and mice. J Natl Cancer Inst 1992; 84(20): 1559-65【追加文献 I -10】

11. Willett WC, Stampfer MJ, Underwood BA, Taylor JO and Hennekens CH: Vitamins A, E, and carotene: effects of supplementation on their plasma levels. Am J Clin Nutr 1983; 38(4): 559-66【追加文献 I -11】

12. Nierenberg DW, Stukel TA, Mott LA and Greenberg ER: Steady-state serum concentration of alpha tocopherol not altered by supplementation with oral beta carotene. For the Polyp Prevention Study 1 Group. J Natl Cancer Inst 1994; 86(2): 117-20【追加文献 I -12】

13. Canfield LM, Corrigan JJ Jr, Plezia PM, Jeter M, Sayers S and Alberts DS: Effects of chronic β-carotene supplementation on vitamin K status in adults. Nutr Cancer 1990; 13(4): 263-9【追加文献 I -13】

14. Parker RS: Carotenoid and tocopherol composition of human adipose tissue. Am J Clin Nutr 1988; 47(1): 33-6【追加文献 I -14】

15. Redlich CA, Grauer JN, van Bennekum AM, Clever SL, Ponn RB and Blaner WS: Characterization of carotenoid, vitamin A, and α-tocopheral levels in human lung tissue and pulmonary macrophages. Am J Respir Crit Care Med 1996; 154(5): 1436-43【追加文献 I -15】

16. Canfield LM, Clandinin MT, Davies DP, Fernandez MC, Jackson J, Hawkes J et al.: Multinational study of major breast milk carotenoids of healthy mothers. Eur J Nutr 2003; 42(3): 133-41【追加文献 I -16】

17. Kamao M, Tsugawa N, Suhara Y, Wada A, Mori T, Murata K et al.: Quantification of fat-soluble vitamins in human breast milk by liquid chromatography-tandem mass spectrometry. J Chromatogr B Analyt Technol Biomed Life Sci 2007; 859(2): 192-200【追加文献 I -17】

18. Parker RS: Absorption, metabolism, and transport of carotenoids. FASEB J 1996; 10(5): 542-51【追加文献 I -18】

19. van het Hof KH, West CE, Weststrate JA and Hautvast JG: Dietary factors that affect the bioavailability of carotenoids. J Nutr 2000; 130(3): 503-6【追加文献 I -19】

20. Wang X, Krinsky NI, Marini RP, Tang G, Yu J, Hurley R et al.: Intestinal uptake and lymphatic absorption of β-carotene in ferrets: a

model for human β-carotene metabolism. Am J Physiol 1992; 263(4 Pt 1): G480-6【追加文献 I -20】

21. White WS, Peck KM, Ulman EA and Erdman JW Jr: The ferret as a model for evaluation of the bioavailabilities of all-*trans*-β-carotene and its isomers. J Nutr 1993a; 123(6): 1129-39【追加文献 I -21】

22. Brown ED, Micozzi MS, Craft NE, Bieri JG, Beecher G, Edwards BK et al.: Plasma carotenoids in normal men after a single ingestion of vegetables or purified β-carotene. Am J Clin Nutr 1989; 49(6): 1258-65【追加文献 I -22】

23. Henderson CT, Mobarhan S, Bowen P, Stacewicz-Sapuntzakis M, Langenberg P, Kiani R et al.: Normal serum response to oral beta-carotene in humans. J Am Coll Nutr 1989; 8(6): 625-35【追加文献 I -23】

24. Greenberg ER, Baron JA, Stukel TA, Stevens MM, Mandel JS, Spencer SK et al.: A clinical trial of beta carotene to prevent basal-cell and squamous-cell cancers of the skin. N Engl J Med 1990; 323(12): 789-95【追加文献 I -24】

25. Sugerman SB, Mobarhan S, Bowen PE, Stacewicz-Sapuntzakis M, Langenberg P, Henderson C et al.: Serum time curve characteristics of a fixed dose of β-carotene in young and old men. J Am Coll Nutr 1991; 10(4): 297-307【追加文献 I -25】

26. Johnson EJ and Russell RM: Distribution of orally administered β-carotene among lipoproteins in healthy men. Am J Clin Nutr 1992; 56(1): 128-35【追加文献 I -26】

27. Rock CL and Swendseid ME: Plasma β-carotene response in humans after meals supplemented with dietary pectin. Am J Clin Nutr 1992; 55(1): 96-9【追加文献 I -27】

28. Micozzi MS, Brown ED, Edwards BK, Bieri JG, Taylor PR, Khachik F et al.: Plasma carotenoid response to chronic intake of selected foods and β-carotene supplements in men. Am J Clin Nutr 1992; 55(6): 1120-5【追加文献 I -28】

29. White WS, Stacewicz-Sapuntzakis M, Erdman JW Jr and Bowen PE: Pharmacokinetics of β-carotene and canthaxanthin after ingestion of individual and combined doses by human subjects. J Am Coll Nutr 1994; 13(6): 665-71【追加文献 I -29】

30. Doering WE, Sotiriou-Leventis C and Roth WR: Thermal interconversions among 15-*cis*, 13-*cis*, and *all-trans*-β-carotene: kinetics, Arrhenius parameters, thermochemistry, and potential relevance to anticarcinogenicity of *all-trans*-β-carotene. J Am Chem Soc 1995; 117: 2747-57【追加文献 I -30】

31. van Vliet T, Schreurs WHP and van den Berg H: Intestinal β-carotene absorption and cleavage in men: Response of β-carotene and retinyl esters in the triglyceride-rich lipoprotein fraction after a single oral dose of β-carotene. Am J Clin Nutr 1995; 62(1): 110-6【追加文献 I -31】

32. Gaziano JM, Johnson EJ, Russell RM, Manson JE, Stampfer MJ, Ridker PM et al.: Discrimination in absorption or transport of beta-carotene isomers after oral supplementation with either all-trans- or 9-cis-beta-carotene. Am J Clin Nutr 1995; 61(6): 1248-52【追加文献 I -32】

33. Stahl W, Schwarz W, von Laar J and Sies H: All-trans β-carotene preferentially accumulates in human chylomicrons and very low density lipoproteins compared with the 9-cis geometrical isomer. J Nutr 1995; 125(8): 2128-33【追加文献 I -33】

34. Johnson EJ, Suter PM, Sahyoun N, Ribaya-Mercado JD and Russell RM: Relation between β-carotene intake and plasma and adipose tissue concentrations of carotenoids and retinoids. Am J Clin Nutr 1995; 62(3): 598-603【追加文献 I -34】

35. Hininger I, Chopra M, Thurnham DI, Laporte F, Richard MJ, Favier A et al.: Effect of increased fruit and vegetable intake on the susceptibility of lipoprotein to oxidation in smokers. Eur J Clin Nutr 1997; 51(9): 601-6【追加文献 I -35】

36. Richards GA, Theron AJ, van Rensburg CEJ, van Rensburg AJ, van der Merwe CA, Kuyl JM et al.: Investigation of the effects of oral administration of vitamin E and beta-carotene on the chemiluminescence responses and the frequency of sister chromatid exchanges in circulating leukocytes from cigarette smokers. Am Rev Respir Dis 1990; 142(3): 648-54【追加文献 I -36】

37. Mobarhan S, Bowen P, Andersen B, Evans M, Stacewicz-Sapuntzakis M, Sugerman S et al.: Effects of β-carotene repletion on β-carotene absorption, lipid peroxidation, and neutrophil superoxide formation in young men. Nutr Cancer 1990; 14(3-4): 195-206【追加文献 I -37】

38. Gottlieb K, Zarling EJ, Mobarhan S, Bowen P and Sugerman S: β-Carotene decreases markers of lipid peroxidation in healthy volunteers. Nutr Cancer 1993; 19(2): 207-12【追加文献 I -38】

39. Krinsky NI, Russett MD, Handelman GJ and Snodderly DM: Structural and geometrical isomers of carotenoids in human plasma. J Nutr 1990; 120(12): 1654-62【追加文献 I -39】

40. van Poppel G, Kok FJ, Duijzings P and de Vogel N: No influence of beta-carotene on smoking-induced DNA damage as reflected by sister chromatid exchanges. Int J Cancer 1992a; 51(3): 355-8【追加文献 I -40】

41. van Poppel G, Kok FJ and Hermus RJ: Beta-carotene supplementation in smokers reduces the frequency of micronuclei in sputum. Br J Cancer 1992b; 66(6): 1164-8【追加文献 I -41】

42. van Poppel G, Poulsen H, Loft S and Verhagen H: No influence of beta carotene on oxidative DNA damage in male smokers. J Natl Cancer Inst 1995; 87(4): 310-1【追加文献 I -42】

43. Allard JP, Royall D, Kurian R, Muggli R and Jeejeebhoy KN: Effects of β-carotene supplementation on lipid peroxidation in humans. Am J Clin Nutr 1994; 59(4): 884-90【追加文献 I -43】

44. Calzada C, Bizzotto M, Paganga G, Miller NJ, Bruckdorfer KR, Diplock AT et al.: Levels of antioxidant nutrients in plasma and low density lipoproteins: a human volunteer supplementation study. Free Radic Res 1995; 23(5): 489-503【追加文献 I -44】

45. Gaziano JM, Hatta A, Flynn M, Johnson EJ, Krinsky NI, Ridker PM et al.: Supplementation with β-carotene in vivo and in vitro does not inhibit low density lipoprotein oxidation. Atherosclerosis 1995; 112(2): 187-95【追加文献 I -45】

46. Wang Y, Ichiba M, Oishi H, Iyadomi M, Shono N and Tomokuni K: Relationship between plasma concentrations of β-carotene and α-tocopherol and life-style factors and levels of DNA adducts in lymphocytes. Nutr Cancer 1997; 27(1): 69-73【追加文献 I -46】

47. Steinberg FM and Chait A: Antioxidant vitamin supplementation and lipid peroxidation in smokers. Am J Clin Nutr 1998; 68(2): 319-27【追加文献 I -47】

48. Huang HS and Goodman DS: Vitamin A and carotenoids. I. Intestinal absorption and metabolism of ^{14}C-labelled vitamin A alcohol and beta-carotene in the rat. J Biol Chem. 1965; 240: 2839-44【追加文献 I -48】

49. El-Gorab MI, Underwood BA and Loerch JD: The roles of bile salts in the uptake of β-carotene and retinol by rat everted gut sacs. Biochim Biophys Acta 1975; 401(2): 265-77【追加文献 I -49】

50. Hollander D and Ruble PE Jr: β-carotene intestinal absorption: bile, fatty acid, pH, and flow rate effects on transport. Am J Physiol 1978; 235(6): E686-91【追加文献 I -50】

51. Ribaya-Mercado JD, Holmgren SC, Fox JG and Russell RM: Dietary β-carotene absorption and metabolism in ferrets and rats. J Nutr 1989; 119(4): 665-8【追加文献 I -51】

52. Ribaya-Mercado JD, Fox JG, Rosenblad WD, Blanco MC and Russell RM: β-Carotene, retinol and retinyl ester concentrations in serum and selected tissues of ferrets fed β-carotene. J Nutr 1992; 122(9): 1898-903【追加文献 I -52】

53. Ribaya-Mercado JD, Lopez-Miranda J, Ordovas JM, Blanco MC, Fox JG and Russell RM: Distribution of β-carotene and vitamin A in lipoprotein fractions of ferret serum, Effect of β-carotene supplementation. Ann NY Acad Sci 1993; 691: 232-7【追加文献 I -53】

54. Gugger ET, Bierer TL, Henze TM, White WS and Erdman JW Jr.: β-carotene uptake and tissue distribution in ferrets (*Mustela putorius furo*). J Nutr 1992; 122(1): 115-9【追加文献 I -54】

55. Wang X, Russell RM, Marini RP, Tang G, Dolnikowski GG, Fox JG et al.: Intestinal perfusion of β-carotene in the ferret raises retinoic acid level in portal blood. Biochim Biophys Acta 1993; 1167(2): 159-64【追加文献 I -55】

56. White WS, Peck KM, Bierer TL, Gugger ET and Erdman JW Jr: Interactions of oral β-carotene and canthaxanthin in ferrets. J Nutr 1993; 123(8): 1405-13【追加文献 I -56】

57. International Agency for Research on Cancer (ed.), IARC Handbooks of Cancer Prevention, vol.2, Carotenoids, IARC, Lyon, 1998.【追加文献 I -57】

58. Handelman GJ, Packer L and Cross CE: Destruction of tocopherols, carotenoids, and retinol in human plasma by cigarette smoke. Am J Clin Nutr 1996; 63(4): 559-65【追加文献 I -58】

59. Mathews-Roth MM and Gulbrandsen CL: Transport of beta-carotene in serum of individuals with carotenemia. Clin Chem 1974; 20(12): 1578-9【追加文献 I -59】

60. Reddy PP, Clevidence BA, Berlin E, Taylor PR, Bieri JG and Smith JC: Plasma carotenoid and vitamin E profile of lipoprotein fractions of men fed a controlled typical U.S.diet. FASEB J 1989; 3: A955【追加文献 I -60】

61. Clevidence BA and Bieri JG: Association of carotenoids with human plasma lipoproteins. Methods Enzymol 1993; 214: 33-46【追加文献 I -61】

62. Prince MR and Frisoli JK: Beta-carotene accumulation in serum and skin. Am J Clin Nutr 1993; 57(2): 175-81【追加文献 I -62】

63. Traber MG, Diamond SR, Lane JC, Brody RI and Kayden HJ: β-Carotene transport in human lipoproteins. Comparisons with a-tocopherol. Lipids 1994; 29(10): 665-9【追加文献 I -63】

64. Shapiro SS, Mott DJ and Machlin LJ: Kinetic characteristics of β-carotene uptake and depletion in rat tissue. J Nutr 1984; 114(10): 1924-33【追加文献 I -64】

65. Wang X, Krinsky NI, Tang GW and Russell RM: Retinoic acid can be produced from excentric cleavage of β-carotene in human intestinal mucosa. Arch Biochem Biophys 1992; 293(2): 298-304【追加文献 I -65】

66. Wang X, Russell RM, Liu C, Stickel F, Smith DE and Krinsky NI: β-oxidation in rabbit liver in vitro and in the perfused ferret liver contributes to retinoic acid biosynthesis from β-apocarotenoic acids. J Biol Chem 1996; 271(43): 26490-8【追加文献 I -66】

67. Singh H and Cama HR: Enzymatic cleavage of carotenoids. Biochim Biophys Acta 1974; 370(1): 49-61【追加文献 I -67】

68. Nagao A, During A, Hoshino C, Terao J and Olson JA: Stoichiometric conversion of *all trans*-β-carotene to retinal by pig intestinal extract. Arch Biochem Biophys 1996; 328(1): 57-63【追加文献 I -68】

69. Wang X: Review: absorption and metabolism of β-carotene. J Am Coll Nutr 1994; 13(4): 314-25【追加文献 I -69】

70. Handelman GJ, van Kuijk FJGM, Chatterjee A and Krinsky NI: Characterization of products formed during the autoxidation of β-carotene. Free Radic Biol Med 1991; 10(6): 427-37【追加文献 I -70】

71. Goodman DS, Blomstrand R, Werner B, Huang HS and Shiratori T: The intestinal absorption and metabolism of vitamin A and β-carotene in man. J Clin Invest 1966; 45(10): 1615-23【追加文献 I -71】

72. Blomstrand R and Werner B: Studies on the intestinal absorption of radioactive β-carotene and vitamin A in man. Conversion of β-carotene into vitamin A. Scand J Clin Lab Invest 1967; 19(4): 339-45【追加文献 I -72】

73. Sauberlich HE, Hodges RE, Wallace DL, Kolder H, Canham JE, Hood J et al.: Vitamin A metabolism and requirements in the human studied with the use of labeled retinol. Vitam Horm 1974; 32: 251-75【追加文献 I -73】

74. Dueker SR, Jones AD, Smith GM and Clifford AJ: Stable isotope methods for the study of β-carotene-d_8 metabolism in humans utilizing tandem mass spectrometry and high-performance liquid chromatography. Anal Chem 1994; 66(23): 4177-85【追加文献 I -74】

75. Novotny JA, Dueker SR, Zech LA and Clifford AJ: Compartmental analysis of the dynamics of β-carotene metabolism in an adult volunteer. J Lipid Res 1995; 36(8): 1825-38【追加文献 I -75】

76. Goodman DS and Huang HS: Biosynthesis of vitamin A with rat intestinal enzymes. Science 1965; 149: 879-80【追加文献 I -76】

77. Gronowska-Senger A and Wolf G: Effect of dietary protein on the enzyme from rat and human intestine which converts beta-carotene to retinal. J Nutr 1970; 100(3): 300-8【追加文献 I -77】

78. Brubacher GB and Weiser H: The vitamin A activity of β-carotene. Int J Vitam Nutr Res 1985; 55(1): 5-15【追加文献 I -78】

79. Napoli JL and Race KR: Biogenesis of retinoic acid from β-carotene. Differences between the metabolism of β-carotene and retinal. J Biol Chem 1988; 263(33): 17372-7【追加文献 I -79】

80. Hansen S and Maret W: Retinal is not formed in vitro by enzymatic central cleavage of β-carotene. Biochemistry 1988; 27(1): 200-6【追加文献 I -80】

81. Hébuterne X, Wang XD, Smith DE, Tang G and Russell RM: In vivo biosynthesis of retinoic acid from β-carotene involves and excentric cleavage pathway in ferret intestine. J Lipid Res 1996; 37(3): 482-92【追加文献 I -81】

82. Lederman JD, Overton KM, Hofmann NE, Moore BJ, Thornton J and Erdman JW Jr.: Ferrets (*Mustela putoius furo*) inefficiently convert β-carotene to vitamin A. J Nutr 1998; 128(2): 271-9【追加文献 I -82】

83. Devery J and Milborrow BV: β-Carotene-15,15'-dioxygenase (EC 1.13.11.21) isolation reaction mechanism and an improved assay procedure. Br J Nutr 1994; 72(3): 397-414【追加文献 I -83】

84. Lakshmanan MR, Chansang H and Olson JA: Purification and properties of carotene 15,15'-dioxygenase of rabbit intestine. J Lipid Res 1972; 13(4): 477-82【追加文献 I -84】

85. Omenn GS: Chemoprevention of lung cancer: the rise and demise of beta-carotene. Annu Rev Public Health 1998; 19: 73-99【追加文献 I -85】

86. Clinton SK, Emenhiser C, Schwartz SJ, Bostwick DG, Williams AW, Moore BJ et al.: *Cis-trans* lycopene isomers, carotenoids, and retinol in the human prostate. Cancer Epidemiol Biomarkers Prev 1996; 5(10): 823-33【追加文献 I -86】

87. Stahl W, Schwarz W, Sundquist AR and Sies H: *cis-trans* Isomers of lycopene and β-carotene in human serum and tissues. Arch Biochem Biophys 1992; 294(1): 173-7【追加文献 I -87】

88. Stahl W, Schwarz W, Sundquist AR and Sies H: Human serum concentration of all-*trans* β- and α-carotene but not 9-*cis* β-carotene increase upon ingestion of a natural isomer mixture obtained from *Dunaliella salina* (Betatene). J Nutr 1993; 123: 847-51【追加文献 I -88】

89. Nagao A and Olson JA: Enzymatic formation of 9-*cis*, 13-*cis*, and all-*trans* retinal from isomers of β-carotene. FASEB J 1994; 8(12): 968-73【追加文献 I -89】

90. Ben-Amotz A and Levy Y: Bioavailability of a natural isomer mixture

compared with synthetic all-*trans* β-carotene in human serum. Am J Clin Nutr 1996; 63(5): 729-34【追加文献 I -90】

91. Khachik F, Spangler CJ, Smith JC Jr, Canfield LM, Steck A and Pfander H: Identification, quantification, and relative concentrations of carotenoids and their metabolites in human milk and serum. Anal Chem 1997; 69(10): 1873-81【追加文献 I -91】

92. Basu TK, Temple NJ and Ng J: Effect of dietary beta-carotene on hepatic drug-metabolizing enzymes in mice. J Clin Biochem Nutr 1987; 3: 95-102【追加文献 I -92】

93. Astorg P, Gradelet S, Leclerc J, Canivenc MC and Siess MH: Effects of β-carotene and canthaxanthin on liver xenobiotic-metabolizing enzymes in the rat. Food Chem Toxicol 1994; 32(8): 735-42【追加文献 I -93】

94. Gradelet S, Leclerc J, Siess MH and Astorg PO: β-apo-8'-carotenal, but not β-carotene, is a strong inducer of liver cytochromes P4501A1 and 1A2 in rat. Xenobiotica 1996; 26(9): 909-19【追加文献 I -94】

95. Astorg P, Gradelet S, Leclerc J and Siess MH: Effects of provitamin A or non-provitamin A carotenoids on liver xenobiotic-metabolizing enzymes in mice. Nutr Cancer 1997; 27(3): 245-9【追加文献 I -95】

96. Perocco P, Paolini M, Mazzullo M, Biagi GL and Cantelli-Forti G: β-Carotene as enhancer of cell transforming activity of powerful carcinogens and cigarette-smoke condensate on BALB/c 3T3 cells in vitro. Mutat Res 1999; 440(1): 83-90【追加文献 I -96】

97. Paolini M, Cantelli-Forti G, Perocco P, Pedulli GF, Abdel-Rahman SZ and Legator MS: Co-carcinogenic effect of β-carotene. Nature 1999; 398(6730): 760-1【追加文献 I -97】

98. Liu C, Wang X, Bronson RT, Smith DE, Krinsky NI and Russell RM: Effects of physiological versus pharmacological β-carotene supplementation on cell proliferation and histopathological changes in the lungs of cigarette smoke-exposed ferrets. Carcinogenesis 2000; 21(12): 2245-53【追加文献 I -98】

99. Kim J, Lee H, Kim H, Shim Y, Han J, Park J et al.: Promoter methylation of retinoic acid receptor beta 2 and the development of second primary lung cancers in non-small-cell lung cancer. J Clin Oncol 2004; 22: 3443-50【追加文献 I -99】

100. Houle B, Rochette-Egly C and Bradley WE: Tumor-suppressive effect of the retinoic acid receptor β in human epidermoid lung cancer cells. Proc Natl Acad Sci USA 1993; 90(3): 985-9【追加文献 I -100】

101. Jialal I, Norkus EP, Cristol L and Grundy SM: β-Carotene inhibits the oxidative modification of low-density lipoprotein. Biochim Biophys Acta 1991; 1086(1): 134-8【追加文献 I -101】

102. Everett SA, Dennis MF, Patel KB, Maddix S, Kundu SC and Willson RL: Scavenging of nitrogen dioxide, thiyl, and sulfonyl free radicals by the nutritional antioxidant β-carotene. J Biol Chem 1996; 271(8): 3988-94【追加文献 I -102】

103. Palozza P: Prooxidant actions of carotenoids in biologic systems. Nutr Rev 1998; 56(9): 257-65【追加文献 I -103】

104. Watson RR, Prabhala RH, Plezia PM and Alberts DS: Effect of beta-carotene on lymphocyte subpopulations in elderly humans: evidence for a dose-response relationship [published erraum in Am J Clin Nutr 1991; 53: 988]. Am J Clin Nutr 1991; 53(1): 90-4【追加文献 I -104】

105. Ringer TV, DeLoof MJ, Winterrowd GE, Francom SF, Gaylor SK, Ryan JA et al.: Beta-carotene's effects on serum lipoproteins and immunologic indices in humans. Am J Clin Nutr 1991; 53(3): 688-94【追加文献 I -105】

106. Kada T, Tutikawa K and Sadaie Y: *In vitro* and host-mediated "rec-assay" procedures for screening chemical mutagens; and phloxine, a mutagenic red dye detected. Mutat Res 1972; 16(2): 165-74【追加文献 I -106】

107. Haveland-Smith RB: Evaluation of the genotoxicity of some natural food colours using bacterial assays. Mutat Res 1981; 91(4-5): 285-90【追加文献 I -107】

108. Lowe GM, Booth LA, Young AJ and Bilton RF: Lycopene and β-carotene protect against oxidative damage in HT29 cells at low concentrations but rapidly lose this capacity at higher doses. Free Radic Res 1999; 30(2): 141-51【追加文献 I -108】

109. Belisario MA, Pecce R, Battista C, Panza N and Pacilio G: Inhibition of cyclophosphamide mutagenicity by β-carotene. Biomed

Pharmacother 1985; 39(8): 445-8【追加文献 I −109】

110. Terwel L and van der Hoeven JCM: Antimutagenic activity of some naturally occurring compounds towards cigarette-smoke condensate and benzo[*a*]pyrene in the Salmonella/microsome assay. Mutat Res 1985; 152(1): 1-4【追加文献 I −110】

111. Whong W, Stewart J, Brockman HE and Ong T: Comparative antimutagenicity of chlorophyllin and five other agents against aflatoxin B_1-induced reversion in *Salmonella typhimurium* strain TA98. Teratog Carcinog Mutagen 1988; 8(4): 215-24【追加文献 I −111】

112. He Y and Campbell TC: Effects of carotenoids on aflatoxin B_1-induced mutagenesis in *S. typhimurium* TA 100 and TA 98. Nutr Cancer 1990; 13(4): 243-53【追加文献 I -112】

113. Umegaki K, Takeuchi N, Ikegami S and Ichikawa T: Effect of β-carotene on spontaneous and X-ray-induced chromosomal damage in bone marrow cells of mice. Nutr Cancer 1994a; 22(3): 277-84【追加文献 I -113】

114. Lotan R: Lung cancer promotion by β-carotene and tobacco smoke: relationship to suppression of retinoic acid receptor-β and increased activator protein-1? J Natl Cancer Inst 1999; 91(1): 7-9【追加文献 I -114】

115. Alam BS and Alam SQ: The effect of different levels of dietary β-carotene on DMBA-induced salivary gland tumors. Nutr Cancer 1987; 9(2-3): 93-101【追加文献 I -115】

116. Kuntz E, Borlak J, Riss G, Aebischer CP, Bachmann H, Seifert N et al.: Transcriptomics does not show adverse effects of beta-carotene in A/J mice exposed to smoke for 2 weeks. Arch Biochem Biophys 2007; 465(2): 336-46【追加文献 I -116】

117. Jones RC, Sugie S, Braley J and Weisburger JH: Dietary β-carotene in rat models of gastrointestinal cancer. J Nutr 1989; 119(3): 508-14【追加文献 I -117】

118. Appel MJ and Woutersen RA: Effects of dietary beta-carotene and selenium on initiation and promotion of pancreatic carcinogenesis in azaserine-treated rats. Carcinogenesis 1996; 17(7): 1411-6【追加文献 I -118】

119. Komaki C, Okuno M, Onogi N, Moriwaki H, Kawamori T, Tanaka T et al.: Synergistic suppression of azoxymethane-induced foci of colonic aberrant crypts by the combination of β-carotene and perilla oil in rats. Carcinogenesis 1996; 17(9): 1897-901【追加文献 I -119】

120. Seifter E, Rettura G, Padawer J and Levenson SM: Moloney murine sarcoma virus tumors in CBA/J mice: chemopreventive and chemotherapeutic actions of supplemental β-carotene. J Natl Cancer Inst 1982; 68(5): 835-40【追加文献 I -120】

121. Santamaria L, Bianchi A, Arnaboldi A, Andreoni L and Bermond P: Dietary carotenoids block photocarcinogenic enhancement by benzo(a)pyrene and inhibit its carcinogenesis in the dark. Experientia 1983; 39(9): 1043-5【追加文献 I -121】

122. Temple NJ and Basu TK: Protective effect of β-carotene against colon tumors in mice. J Natl Cancer Inst 1987; 78(6): 1211-4【追加文献 I -122】

123. Murakoshi M, Nishino H, Satomi Y, Takayasu J, Hasegawa T, Tokuda H et al.: Potent preventive action of α-carotene against carcinogenesis: spontaneous liver carcinogenesis and promoting stage of lung and skin carcinogenesis in mice are suppressed more effectively by α-carotene than by β-carotene. Cancer Res 1992; 52(23): 6583-7【追加文献 I -123】

124. Chen L, Sly L, Jones CS, Tarone R and de Luca LM: Differential effects of dietary β-carotene on papilloma and carcinoma formation induced by an initiation-promotion protocol in SENCAR mouse skin. Carcinogenesis 1993; 14(4): 713-7【追加文献 I -124】

125. Yun T, Kim S and Lee Y: Trial of a new medium-term model using benzo(a)pyrene induced lung tumor in newborn mice. Anticancer Res 1995; 15(3): 839-45【追加文献 I -125】

126. Nishino H: Cancer chemoprevention by natural carotenoids and their related compounds. J Cell Biochem Suppl 1995; 22: 231-5【追加文献 I -126】

127. Moon RC, Rao KVN, Detrisac CJ, Kelloff GJ, Steele VE and Doody LA: Chemoprevention of respiratory-tract neoplasia in the hamster by oltipraz, alone and in combination. Int J Oncol 1994; 4(3): 661-7【追加文献 I -127】

128. Wolterbeek APM, Schoevers EJ, Bruyntjes JP, Rutten AAJJL and

Feron VJ: Benzo[*a*]pyrene-induced respiratory tract cancer in hamsters fed a diet rich in β-carotene. A histomorphological study. J Environ Pathol Toxicol Oncol 1995a; 14(1): 35-43【追加文献 I -128】

129. Hannuksela M and Lahti A: Peroral challenge tests with food additives in urticaria and atopic dermatitis. Int J Dermatol 1986; 25(3): 178-80【追加文献 I -129】

130. Peto R, Doll R, Buckley JD and Sporn MB: Can dietary beta-carotene materially reduce human cancer rates? Nature 1981; 290(5803): 201-8【追加文献 I -130】

131. Hennekens CH, Mayrent SL and Willett W: Vitamin A, carotenoids, and retinoids. Cancer 1986; 58(8 Suppl.): 1837-41【追加文献 I -131】

132. Wald N: Retinol, beta-carotene and cancer. Cancer Surv 1987; 6(4): 635-51【追加文献 I -132】

133. Ziegler RG: A review of epidemiologic evidence that carotenoids reduce the risk of cancer. J Nutr 1989; 119(1): 116-22【追加文献 I -133】

134. Ziegler RG: Vegetables, fruits, and carotenoids and the risk of cancer. Am J Clin Nutr 1991; 53(1 Suppl.): 251S-259S【追加文献 I -134】

135. Hennekens CH: Antioxidant vitamins and cancer. Am J Med 1994; 97(suppl.3A): 2S-4S; discussion 22S-28S【追加文献 I -135】

136. Ziegler RG, Mayne ST and Swanson CA: Nutrition and lung cancer. Cancer Causes Control 1996; 7(1): 157-77【追加文献 I -136】

137. Steinmetz KA and Potter JD: Vegetables, fruit, and cancer prevention: a review. J Am Diet Assoc 1996; 96(10): 1027-39【追加文献 I -137】

138. Blot WJ, Li JY, Taylor PR and Li B: Lung cancer and vitamin supplementation. N Engl J Med 1994; 331(9): 614【追加文献 I -138】

139. Blot WJ, Li JY, Taylor PR, Guo W, Dawsey SM and Li B: The Linxian trials: mortality rates by vitamin-mineral intervention group. Am J Clin Nutr 1995; 62(6 suppl): 1424S-6S【追加文献 I -139】

140. Li J, Taylor PR, Li B, Dawsey S, Wang G, Ershow AG et al.: Nutrition intervention trials in Linxian, China: multiple vitamin/mineral supplementation, cancer incidence, and disease-specific mortality among adults with esophageal dysplasia. J Natl Cancer Inst 1993;

85(18): 1492-8【追加文献 I -140】

141. Kamangar F, Qiao YL, Yu B, Sun XD, Abnet CC, Fan JH et al.: Lung cancer chemoprevention: a randomized, double-blind trial in Linxian, China. Cancer Epidemiol Biomarkers Prev 2006; 15(8): 1562-4【追加文献 I -141】

142. Albanes D, Heinonen OP, Taylor PR, Virtamo J, Edwards BK, Rautalahti M et al.: α-Tocopherol and β-carotene supplements and lung cancer incidence in the alpha-tocopherol, beta-carotene cancer prevention study: Effects of base-line characteristics and study compliance. J Natl Cancer Inst 1996; 88(21): 1560-70【追加文献 I -142】

143. Holick CN, Michaud DS, Stolzenberg-Solomon R, Mayne ST, Pietinen P, Taylor PR et al.: Dietary carotenoids, serum β-carotene, and retinol and risk of lung cancer in the Alpha-Tocopherol, Beta-Carotene cohort study. Am J Epidemiol 2002; 156(6): 536-47【追加文献 I -143】

144. Greenberg ER, Baron JA, Tosteson TD, Freeman DH Jr, Beck GJ, Bond JH et al.: A clinical trial of antioxidant vitamins to prevent colorectal adenoma. Polyp Prevention Study Group. N Engl J Med 1994; 331(3): 141-7【追加文献 I -144】

145. Nierenberg DW, Dain BJ, Mott LA, Baron JA and Greenberg ER: Effects of 4 y of oral supplementation with β-carotene on serum concentrations of retinol, tocopherol, and five carotenoids. Am J Clin Nutr 1997; 66(2): 315-9【追加文献 I -145】

146. MacLennan R, Macrae F, Bain C, Battistutta D, Chapuis P, Gratten H et al.; Australian Polyp Prevention Project: Randomized trial of intake of fat, fiber, and beta carotene to prevent colorectal adenomas. J Natl Cancer Inst 1995; 87(23): 1760-6【追加文献 I -146】

147. Cook NR, Lee IM, Manson JE, Buring JE and Hennekens CH: Effects of beta-carotene supplementation on cancer incidence by baseline characteristics in the Physicians' Health Study (United States). Cancer Causes Control 2000; 11(7): 617-26【追加文献 I -147】

148. Grodstein F, Kang J, Glynn RJ, Cook NR and Gaziano JM: A randomized trial of beta carotene supplementation and cognitive function in men: the Physicians' Health Study II. Arch Intern Med 2007; 167(20): 2184-90【追加文献 I -148】

149. Goodman GE, Metch BJ and Omenn GS: The effect of long-term

β-carotene and vitamin A administration on serum concentrations of α-tocopherol. Cancer Epidemiol Biomarkers Prev 1994; 3(5): 429-32【追加文献 I -149】

150. McLarty JW, Holiday DB, Girard WM, Yanagihara RH, Kummet TD and Greenberg SD: β-Carotene, vitamin A, and lung cancer chemoprevention: results of an intermediate endpoint study. Am J Clin Nutr 1995; 62(6 Suppl): 1431S-8S【追加文献 I -150】

151. Shekelle RB, Lepper M, Liu S, Maliza C, Raynor WJ Jr, Rossof AH et al.: Dietary vitamin A and risk of cancer in the Western Electric study. Lancet 1981; 2(8257): 1185-90【追加文献 I -151】

152. Modan B, Cuckle H and Lubin F: A note on the role of dietary retinol and carotene in human gastro-intestinal cancer. Int J Cancer 1981; 28(4): 421-4【追加文献 I -152】

153. Kvåle G, Bjelke E and Gart JJ: Dietary habits and lung cancer risk. Int J Cancer 1983; 31: 397-405【追加文献 I -153】

154. Hinds MW, Kolonel LN, Hankin JH and Lee J: Dietary vitamin A, carotene, vitamin C and risk of lung cancer in Hawaii. Am J Epidemiol 1984; 119(2): 227-37【追加文献 I -154】

155. Wu AH, Henderson BE, Pike MC and Yu MC: Smoking and other risk factors for lung cancer in women. J Natl Cancer Inst 1985; 74(4): 747-51【追加文献 I -155】

156. Samet JM, Skipper BJ, Humble CG and Pathak DR: Lung cancer risk and vitamin A consumption in New Mexico. Am Rev Respir Dis 1985; 131(2): 198-202【追加文献 I -156】

157. Ziegler RG, Mason TJ, Stemhagen A, Hoover R, Schoenberg JB, Gridley G et al.: Carotenoid intake, vegetables, and the risk of lung cancer among white men in New Jersey. Am J Epidemiol 1986; 123(6): 1080-93【追加文献 I -157】

158. Paganini-Hill A, Chao A, Ross RK and Henderson BE: Vitamin A, β-carotene, and the risk of cancer: a prospective study. J Natl Cancer Inst 1987; 79(3): 443-8【追加文献 I -158】

159. Byers TE, Graham S, Haughey BP, Marshall JR and Swanson MK: Diet and lung cancer risk: findings from the Western New York Diet Study. Am J Epidemiol 1987; 125(3): 351-63【追加文献 I -159】

160. Bond GG, Thompson FE and Cook RR: Dietary vitamin A and lung cancer: results of a case-control study among chemical workers. Nutr Cancer 1987; 9(2-3): 109-21【追加文献 I -160】

161. Kolonel LN, Hankin JH and Yoshizawa CN: Vitamin A and prostate cancer in elderly men: enhancement of risk. Cancer Res 1987; 47(11): 2982-5【追加文献 I -161】

162. Fontham ET, Pickle LW, Haenszel W, Correa P, Lin Y and Falk RT: Dietary vitamins A and C and lung cancer risk in Louisiana. Cancer 1988; 62(10): 2267-73【追加文献 I -162】

163. Koo LC: Dietary habits and lung cancer risk among Chinese females in Hong Kong who never smoked. Nutr Cancer 1988; 11(3): 155-72【追加文献 I -163】

164. Le Marchand L, Yoshizawa CN, Kolonel LN, Hankin JH and Goodman MT: Vegetable consumption and lung cancer risk: a population-based case-control study in Hawaii. J Natl Cancer Inst 1989; 81(15): 1158-64【追加文献 I -164】

165. Le Marchand L, Hankin JH, Kolonel LN, Beecher GR, Wilkens LR and Zhao L: Intake of specific carotenoids and lung cancer risk. Cancer Epidemiol Biomarkers Prev 1993; 2(3): 183-7【追加文献 I -165】

166. Mettlin C: Milk drinking, other beverage habits, and lung cancer risk. Int J Cancer 1989; 43(4): 608-12【追加文献 I -166】

167. Kalandidi A, Katsouyanni K, Voropoulou N, Bastas G, Saracci R and Trichopoulos D: Passive smoking and diet in the etiology of lung cancer among non-smokers. Cancer Causes Control 1990; 1(1): 15-21【追加文献 I -167】

168. Jain M, Burch JD, Howe GR, Risch HA and Miller AB: Dietary factors and risk of lung cancer: results from a case-control study, Toronto, 1981-1985. Int J Cancer 1990; 45(2): 287-93【追加文献 I -168】

169. Steinmetz KA, Potter JD and Folsom AR: Vegetables, fruit, and lung cancer in the Iowa Women's Health Study. Cancer Res 1993; 53(3): 536-43【追加文献 I -169】

170. Ferraroni M, La Vecchia C, D'Avanzo B, Negri E, Franceschi S and Decarli A: Selected micronutrient intake and the risk of colorectal

cancer. Br J Cancer 1994; 70(6): 1150-5【追加文献 I -170】

171. Pandey DK, Shekelle R, Selwyn BJ, Tangney C and Stamler J: Dietary vitamin C and β-carotene and risk of death in middle-aged men. The Western Electric Study. Am J Epidemiol 1995; 142(12): 1269-78【追加文献 I -171】

172. Giovannucci E, Ascherio A, Rimm EB, Stampfer MJ, Colditz GA and Willett WC: Intake of carotenoids and retinol in relation to risk of prostate cancer. J Natl Cancer Inst 1995; 87(23): 1767-76【追加文献 I -172】

173. Freudenheim JL, Marshall JR, Vena JE, Laughlin R, Brasure JR, Swanson MK et al.: Premenopausal breast cancer risk and intake of vegetables, fruits, and related nutrients. J Natl Cancer Inst 1996; 88(6): 340-8【追加文献 I -173】

174. Ziegler RG, Colavito EA, Hartge P, McAdams MJ, Schoenberg JB, Mason TJ et al.: Importance of alpha-carotene, beta-carotene, and other phytochemicals in the etiology of lung cancer. J Natl Cancer Inst 1996; 88(9): 612-5【追加文献 I -174】

175. Comstock GW, Alberg AJ, Huang HY, Wu K, Burke AE, Hoffman SC, et al.: The risk of developing lung cancer associated with antioxidants in the blood: ascorbic acid, carotenoids, α-tocopherol, selenium, and total peroxyl radical absorbing capacity. Cancer Epidemiol Biomarkers Prev 1997; 6(11): 907-16.【追加文献 I -175】

176. Knekt P, Järvinen R, Teppo L, Aromaa A and Seppänen R: Role of various carotenoids in lung cancer prevention. J Natl Cancer Inst 1999; 91(2): 182-4【追加文献 I -176】

177. Bohlke K, Spiegelman D, Trichopoulou A, Katsouyanni K and Trichopoulos D: Vitamins A, C and E and the risk of breast cancer: results from a case-control study in Greece. Br J Cancer 1999; 79(1): 23-9【追加文献 I -177】

178. Michaud DS, Feskanich D, Rimm EB, Colditz GA, Speizer FE, Willett WC et al.: Intake of specific carotenoids and risk of lung cancer in 2 prospective US cohorts. Am J Clin Nutr 2000; 72(4): 990-7【追加文献 I -178】

179. Voorrips LE, Goldbohm RA, Brants HA, van Poppel GA, Sturmans F, Hermus RJ et al.: A prospective cohort study on antioxidant and folate

intake and male lung cancer risk. Cancer Epidemiol Biomarkers Prev 2000; 9(4): 357-65【追加文献 I -179】

180. Stähelin HB, Rösel F, Buess E and Brubacher G: Cancer, vitamins, and plasma lipids: prospective Basel study. J Natl Cancer Inst 1984; 73(6): 1463-8【追加文献 I -180】

181. Stähelin HB, Gey KF, Eichholzer M, Lüdin E, Bernasconi F, Thurneysen J et al.: Plasma antioxidant vitamins and subsequent cancer mortality in the 12-year follow-up of the prospective Basel Study. Am J Epidemiol 1991; 133(8): 766-75【追加文献 I -181】

182. Willett WC, Polk BF, Underwood BA, Stampfer MJ, Pressel S, Rosner B et al.: Relation of serum vitamins A and E and carotenoids to the risk of cancer. N Engl J Med 1984; 310(7): 430-4【追加文献 I -182】

183. Wald NJ, Boreham J, Hayward JL and Bulbrook RD: Plasma retinol, β-carotene and vitamin E levels in relation to the future risk of breast cancer. Br J Cancer 1984; 49(3): 321-4【追加文献 I -183】

184. Nomura AMY, Stemmermann GN, Heilbrun LK, Salkeld RM and Vuilleumier JP: Serum vitamin levels and the risk of cancer of specific sites in men of Japanese ancestry in Hawaii. Cancer Res 1985; 45(5): 2369-72【追加文献 I -184】

185. Menkes MS, Comstock GW, Vuilleumier JP, Helsing KJ, Rider AA and Brookmeyer R: Serum beta-carotene, vitamins A and E, selenium, and the risk of lung cancer. N Engl J Med 1986; 315(20): 1250-4【追加文献 I -185】

186. Schober SE, Comstock GW, Helsing KJ, Salkeld RM, Morris JS, Rider AA et al.: Serologic precursors of cancer. I. Prediagnostic serum nutrients and colon cancer risk. Am J Epidemiol 1987; 126(6): 1033-41【追加文献 I -186】

187. Pastorino U, Pisani P, Berrino F, Andreoli C, Barbieri A, Costa A et al.: Vitamin A and female lung cancer: a case-control study on plasma and diet. Nutr Cancer 1987; 10(4): 171-9【追加文献 I -187】

188. Wald NJ, Thompson SG, Densem JW, Boreham J and Bailey A: Serum beta-carotene and subsequent risk of cancer: Results from the BUPA Study. Br J Cancer 1988; 57(4): 428-33【追加文献 I -188】

189. Marubini E, Decarli A, Costa A, Mazzoleni C, Andreoli C, Barbieri A et

al.: The relationship of dietary intake and serum levels of retinol and β-carotene with breast cancer. Results of a case-control study. Cancer 1988; 61(1): 173-80【追加文献 I -189】

190. Connett JE, Kuller LH, Kjelsberg MO, Polk BF, Collins G, Rider A et al.: Relationship between carotenoids and cancer. The Multiple Risk Factor Intervention Trial (MRFIT) Study. Cancer 1989; 64(1): 126-34【追加文献 I -190】

191. Burney PG, Comstock GW and Morris JS: Serologic precursors of cancer: serum micronutrients and the subsequent risk of pancreatic cancer. Am J Clin Nutr 1989; 49(5): 895-900【追加文献 I -191】

192. Helzlsouer KJ, Comstock GW and Morris JS: Selenium, lycopene, alpha-tocopherol, beta-carotene, retinol, and subsequent bladder cancer. Cancer Res 1989; 49(21): 6144-8【追加文献 I -192】

193. Basu TK, Hill GB, Ng D, Abdi E and Temple N: Serum vitamins A and E, β-carotene, and selenium in patients with breast cancer. J Am Coll Nutr 1989; 8(6): 524-9【追加文献 I -193】

194. Potischman N, McCulloch CE, Byers T, Nemoto T, Stubbe N, Milch R et al.: Breast cancer and dietary and plasma concentrations of carotenoids and vitamin A. Am J Clin Nutr 1990; 52(5): 909-15【追加文献 I -194】

195. Smith AH and Waller KD: Serum beta-carotene in persons with cancer and their immediate families. Am J Epidemiol 1991; 133(7): 661-71【追加文献 I -195】

196. Comstock GW, Helzlsouer KJ and Bush TL: Prediagnostic serum levels of carotenoids and vitamin E as related to subsequent cancer in Washington County, Maryland. Am J Clin Nutr 1991; 53(1 suppl): 260S-264S【追加文献 I -196】

197. London SJ, Stein EA, Craig-Henderson I, Stampfer MJ, Wood WC, Remine S et al.: Carotenoids, retinol, and vitamin E and risk of proliferative benign breast disease and breast cancer. Cancer Causes Control 1992; 3(6): 503-12【追加文献 I -197】

198. Kardinaal AFM, Kok FJ, Ringstad J, Gomez-Aracena J, Mazaev VP, Kohlmeier L et al. Antioxidants in adipose tissue and risk of myocardial infarction: the EURAMIC study. Lancet 1993; 342(8884): 1379-84【追加文献 I -198】

199. Zhang S, Tang G, Russell RM, Mayzel KA, Stampfer MJ, Willett WC et al.: Measurement of retinoids and carotenoids in breast adipose tissue and a comparison of concentrations in breast cancer cases and control subjects. Am J Clin Nutr 1997; 66(3): 626-32【追加文献 I -199】

200. Pappalardo G, Maiani G, Mobarhan S, Guadalaxara A, Azzini E, Raguzzini A et al.: Plasma (carotenoids, retinol, α-tocopherol) and tissue (carotenoids) levels after supplementation with β-carotene in subjects with precancerous and cancerous lesions of sigmoid colon. Eur J Clin Nutr 1997; 51(10): 661-6【追加文献 I -200】

201. Street DA, Comstock GW, Salkeld RM, Schüep W and Klag MJ: Serum antioxidants and myocardial infarction. Are low levels of carotenoids and α-tocopherol risk factors for myocardial infarction? Circulation 1994; 90(3): 1154-61【追加文献 I -201】

202. Morris DL, Kritchevsky SB and Davis CE: Serum carotenoids and coronary heart disease. The Lipid Research Clinics Coronary Primary Prevention Trial and Follow-up Study. JAMA 1994; 272(18): 1439-41【追加文献 I -202】

203. Rapola JM, Virtamo J, Haukka JK, Heinonen OP, Albanes D, Taylor PR et al.: Effect of vitamin E and beta carotene on the incidence of angina pectoris. A randomized, double-blind, controlled trial. JAMA 1996; 275(9): 693-8【追加文献 I -203】

204. Singh RB, Niaz MA, Rastogi SS and Rastogi S: Usefulness of antioxidant vitamins in suspected acute myocardial infarction (the Indian experiment of infarct survival-3). Am J Cardiol 1996; 77(4): 232-6【追加文献 I -204】

205. Klipstein-Grobusch K, Geleijnse JM, den Breeijen JH, Boeing H, Hofman A, Grobbee DE et al.: Dietary antioxidants and risk of myocardial infarction in the elderly: the Rotterdam Study. Am J Clin Nutr 1999; 69(2): 261-6【追加文献 I -205】

206. Stryker WS, Kaplan LA, Stein EA, Stampfer MJ, Sober A and Willett WC: The relation of diet, cigarette smoking, and alcohol consumption to plasma beta-carotene and alpha-tocopherol levels. Am J Epidemiol 1988; 127(2): 283-96【追加文献 I -206】

207. Stich HF, Rosin MP, Hornby AP, Mathew B, Sankaranarayanan R and Nair MK: Remission of oral leukoplakias and micronuclei in

tobacco/betel quid chewers treated with beta-carotene and with beta-carotene plus vitamin A. Int J Cancer 1988; 42(2): 195-9【追加文献 I -207】

208. Ahmed S, Leo MA and Lieber CS: Interactions between alcohol and β-carotene in patients with alcoholic liver disease. Am J Clin Nutr 1994; 60(3): 430-6【追加文献 I -208】

209. Umegaki K, Ikegami S, Inoue K, Ichikawa T, Kobayashi S, Soeno N et al.: Beta-carotene prevents x-ray induction of micronuclei in human lymphocytes. Am J Clin Nutr 1994b; 59(2): 409-12【追加文献 I -209】

210. Meyers DG, Maloley PA and Weeks D: Safety of antioxidant vitamins. Arch Intern Med 1996; 156(9): 925-35【追加文献 I -210】

211. Phillips RL: Role of life-style and dietary habits in risk of cancer among Seventh-day adventists. Cancer Res 1975; 35(11 Pt. 2): 3513-22【追加文献 I -211】

212. MacLennan R, Da Costa J, Day NE, Law CH, Ng YK and Shanmugaratnam K: Risk factors for lung cancer in Singapore Chinese, a population with high female incidence rates. Int J Cancer 1977; 20(6): 854-60【追加文献 I -212】

213. Graham S, Dayal H, Swanson M, Mittelman A and Wilkinson G: Diet in the epidemiology of cancer of the colon and rectum. J Natl Cancer Inst 1978; 61(3): 709-14【追加文献 I -213】

214. Cook-Mozaffari PJ, Azordegan F, Day NE, Ressicaud A, Sabai C and Aramesh B: Oesophageal cancer studies in the Caspian Littoral of Iran: results of a case-control study. Br J Cancer 1979; 39(3): 293-309【追加文献 I -214】

215. Mettlin C and Graham S: Dietary risk factors in human bladder cancer. Am J Epidemiol 1979a; 110(3): 255-63【追加文献 I -215】

216. Mettlin C, Graham S, Priore R, Marshall J and Swanson M: Diet and cancer of the esophagus. Nutr Cancer 1981; 2(3): 143-7【追加文献 I -216】

217. Wang LD and Hammond EC: Lung cancer, fruit, green salad and vitamin pills. Chin Med J (Engl) 1985; 98(3): 206-10【追加文献 I -217】

218. Marshall JR, Graham S, Byers T, Swanson M and Brasure J: Diet and

smoking in the epidemiology of cancer of the cervix. J Natl Cancer Inst 1983; 70(5): 847-51【追加文献 I -218】

219. Colditz GA, Branch LG, Lipnick RJ, Willett WC, Rosner B, Posner BM et al.: Increased green and yellow vegetable intake and lowered cancer deaths in an elderly population. Am J Clin Nutr 1985; 41(1): 32-6【追加文献 I -219】

220. Pisani P, Berrino F, Macaluso M, Pastorino U, Crosignani P and Baldasseroni A: Carrots, green vegetables and lung cancer: a case-control study. Int J Epidemiol 1986; 15(4): 463-8【追加文献 I -220】

221. Forman MR, Yao S, Graubard BI, Qiao Y, McAdams M, Mao B et al.: The effect of dietary intake of fruits and vegetables on the odds ratio of lung cancer among Yunnan tin miners. Int J Epidemiol 1992; 21(3): 437-41【追加文献 I -221】

222. Fraser GE, Beeson WL and Phillips RL: Diet and lung cancer in California Seventh-day Adventists. Am J Epidemiol 1991; 133(7): 683-93【追加文献 I -222】

223. Swanson CA, Mao B, Li J, Lubin JH, Yao S, Wang J et al.: Dietary determinants of lung-cancer risk: results from a case-control study in Yunnan Province, China. Int J Cancer 1992; 50(6): 876-80【追加文献 I -223】

224. Yuan JM, Wang QS, Ross RK, Henderson BE and Yu MC: Diet and breast cancer in Shanghai and Tianjin, China. Br J Cancer 1995; 71(6): 1353-8【追加文献 I -224】

225. Population profile of the United States: 1995. In U.S. Bureau of the Census (ed.), Current Population Reports, Special Studies Series P23-189, U.S. Government Printing Office, Washington, DC, 1995; pp.A-56-7. 【追加文献 I -225】

226. 日本食品添加物協会「生産量統計を基にした食品添加物の摂取量の推定」研究グループ（グループリーダー　藤井正美（元神戸学院大学薬学部））：生産量統計を基にした食品添加物の摂取量の推定, その 1　指定添加物品目（第 7 回最終報告）．四方田千佳子（分担研究者），厚生労働科学研究費補助金（食品の安全性高度化推進研究事業「国際的動向を踏まえた食品添加物の規格の向上に関する調査研究（主任研究者　四方田千佳子）」）平成 16 年度分担研究報告書「わが国における食品添加物生産量統計とその国際比較」，2005 年 3 月 ; 1020-1【追加文献 I -226】

227. 日本食品添加物協会「生産量統計を基にした食品添加物の摂取量の推定」研究グループ（グループリーダー　藤井正美（元神戸学院大学薬学部））：生産量統計を基にした食品添加物の摂取量の推定，その２　既存添加物品目の生産量統計（最終報告）．四方田千佳子（分担研究者），厚生労働科学研究費補助金（食品の安全性高度化推進研究事業「国際的動向を踏まえた食品添加物の規格の向上に関する調査研究（主任研究者　四方田千佳子）」）平成 16 年度分担研究報告書「わが国における食品添加物生産量統計とその国際比較」，2005 年 3 月；28-9【追加文献 I -227】

228. Food and Drug Administration, Department of Health and Human Services: Food labeling; Nutrient content claims: Definition for “high potency” and definition of “antioxidant” for use in nutrient content claims for dietary supplements and conventional foods [Docket Nos. 95N-0245, 95N-0282, and 95N-0347]. Federal Register September 23, 1997; 62(184): 49868-81【追加文献 I -228】

229. The Scientific Committee for Food: Report of the Scientific Committee for Food on the revision of the Directive on colouring matters authorized for use in foodstuffs intended for human consumption, Opinion expressed 27 June 1975. In Commission of the European Communities (ed.), Reports of the Scientific Committee for Food (first series), 31 December 1975; pp.17-29.【追加文献 I -229】

230. The Scientific Committee for Food: Reports of the Scientific Committee for Food, Nutrient and energy intakes for the European Community (opinion expressed on 11 December 1992). In Commission of the European Communities (ed.), Food Science and Techniques, Reports of the Scientific Committee for Food (thirty-first series), Office for Official Publications of the European Communities, Luxembourg, 1993; pp.71-3.【追加文献 I -230】

231. EFSA Panel on Food Additives and Nutrient Sources added to Food (ANS): Scientific Opinion on the re-evaluation of β-apo-8'-carotenal (E 160e) as a food additive. EFSA Journal 2012; 10(3): 2499【追加文献 I -231】

232. BfR (ed.), Beta-Carotin in Nahrungsergänzungsmitteln, Stellungnahme Nr. 019/2005 des BfR vom 08. März 2005.【追加文献 I -232】

以上