

# Current and Relevant Publications on Vitamins, Carotenoids and Other Health Ingredients

## Update October 2013

Diese Auswahl an Publikationen aus dem Bereich der Vitamine, Mineralstoffe und sekundären Pflanzenstoffe wird von der GVF getroffen und erhebt keinen Anspruch auf Vollständigkeit.

### Antioxidants

#### [Green tea supplementation increases glutathione and plasma antioxidant capacity in adults with the metabolic syndrome.](#)

Basu A, Betts NM, Mulugeta A, Tong C, Newman E, Lyons TJ.  
Nutr Res. 2013 Mar;33(3):180-7. doi: 10.1016/j.nutres.2012.12.010. Epub 2013 Jan 30.

#### [Oxidative stress index may play a key role in patients with pemphigus vulgaris.](#)

Yesilova Y, Ucmak D, Selek S, Dertlioğlu SB, Sula B, Bozkus F, Turan E.  
J Eur Acad Dermatol Venereol. 2013 Apr;27(4):465-7. doi: 10.1111/j.1468-3083.2012.04463.x. Epub 2012 Feb 10.

#### [Inhibitory effects of in vivo oxidized high-density lipoproteins on platelet aggregation: evidence from patients with abetalipoproteinemia.](#)

Calzada C, Véricel E, Colas R, Guillot N, El Khoury G, Draï J, Sassolas A, Peretti N, Ponsin G, Lagarde M, Moulin P.  
FASEB J. 2013 Jul;27(7):2855-61. doi: 10.1096/fj.12-225169. Epub 2013 Mar 18.

#### [Effect of acute thermal injury in status of serum vitamins, inflammatory markers, and oxidative stress markers: preliminary data.](#)

Vinha PP, Martinez EZ, Vannucchi H, Marchini JS, Farina JA Jr, Jordao AA Jr, Cunha SF.  
J Burn Care Res. 2013 Mar-Apr;34(2):e87-91. doi: 10.1097/BCR.0b013e31826fc506.

#### [The protective effect of antioxidants on orbital fibroblasts from patients with Graves' ophthalmopathy in response to oxidative stress.](#)

Tsai CC, Wu SB, Kao SC, Kau HC, Lee FL, Wei YH.  
Mol Vis. 2013 Apr 16;19:927-34. Print 2013.

#### [Skin and antioxidants.](#)

Poljsak B, Dahmane R, Godic A.  
J Cosmet Laser Ther. 2013 Apr;15(2):107-13. doi:

10.3109/14764172.2012.758380. Epub 2013 Feb 5. Review.

[Oxidative stress markers in adults 2 years after Roux-en-Y gastric bypass.](#)

Dadalt C, Fagundes RL, Moreira EA, Wilhelm-Filho D, de Freitas MB, Jordão Júnior AA, Biscaro F, Pedrosa RC, Vannucchi H.

Eur J Gastroenterol Hepatol. 2013 May;25(5):580-6. doi: 10.1097/MEG.0b013e32835d0ae0.

## Vitamin A

[No dose-dependent increase in fracture risk after long-term exposure to high doses of retinol or beta-carotene.](#)

Ambrosini GL, Bremner AP, Reid A, Mackerras D, Alfonso H, Olsen NJ, Musk AW, de Klerk NH.

Osteoporos Int. 2013 Apr;24(4):1285-93. doi: 10.1007/s00198-012-2131-6. Epub 2012 Sep 18.

[Vitamin A supplementation in Indian children - Authors' reply.](#)

Peto R, Awasthi S, Read S, Clark S, Bundy D.

Lancet. 2013 Aug 17;382(9892):594-6. doi: 10.1016/S0140-6736(13)61741-9. No abstract available.

[Vitamin A supplementation in Indian children.](#)

Sommer A, West KP Jr, Martorell R.

Lancet. 2013 Aug 17;382(9892):591. doi: 10.1016/S0140-6736(13)60645-5. Epub 2013 Mar 22. No abstract available.

[The influence of vitamin A supplementation on Foxp3 and TGF- \$\beta\$  gene expression in atherosclerotic patients.](#)

Mottaghi A, Salehi E, Keshvarz A, Sezavar H, Saboor-Yaraghi AA.

J Nutrigenet Nutrigenomics. 2012;5(6):314-26. doi: 10.1159/000341916. Epub 2013 Jan 26.

[The effect of a vitamin A palmitate and antioxidant-containing oil-based moisturizer on photodamaged skin of several body sites.](#)

Rawlings AV, Stephens TJ, Herndon JH, Miller M, Liu Y, Lombard K.

J Cosmet Dermatol. 2013 Mar;12(1):25-35. doi: 10.1111/jocd.12023.

## B-Vitamins

[A decreased micronucleus frequency in human lymphocytes after folate and vitamin B12 intervention: a preliminary study in a Yunnan population.](#)

Ni J, Liang Z, Zhou T, Cao N, Xia X, Wang X.

Int J Vitam Nutr Res. 2012 Dec;82(6):374-82. doi: 10.1024/0300-9831/a000134.

[Should we be taking B vitamins to prevent age-related macular degeneration? Not yet, but worth doing more research.](#)

Evans J.

Am J Clin Nutr. 2013 Jul;98(1):4-5. doi: 10.3945/ajcn.113.064899. Epub 2013 Jun 5. No abstract available.

[Homocysteine, folate, vitamin B-12, and 10-y incidence of age-related macular degeneration.](#)

Gopinath B, Flood VM, Rochtchina E, Wang JJ, Mitchell P.

Am J Clin Nutr. 2013 Jul;98(1):129-35. doi: 10.3945/ajcn.112.057091. Epub 2013 May 1.

[Folic acid and vitamin B\(12\) supplementation lowers plasma homocysteine but has no effect on serum bone turnover markers in elderly women: a randomized, double-blind, placebo-controlled trial.](#)

Keser I, Ilich JZ, Vrkić N, Giljević Z, Colić Barić I.

Nutr Res. 2013 Mar;33(3):211-9. doi: 10.1016/j.nutres.2013.01.002. Epub 2013 Feb 1.

[North-south gradients in plasma concentrations of B-vitamins and other components of one-carbon metabolism in Western Europe: results from the European Prospective Investigation into Cancer and Nutrition \(EPIC\) Study.](#)

Eussen SJ, Nilsen RM, Midttun Ø, Hustad S, IJssennagger N, Meyer K, Fredriksen Å, Ulvik A, Ueland PM, Brennan P, Johansson M, Bueno-de-Mesquita B, Vineis P, Chuang SC, Boutron-Ruault MC, Dossus L, Perquier F, Overvad K, Teucher B, Grote VA, Trichopoulou A, Adarakis G, Plada M, Sieri S, Tumino R, de Magistris MS, Ros MM, Peeters PH, Redondo ML, Zamora-Ros R, Chirlaque MD, Ardanaz E, Sonestedt E, Ericson U, Schneede J, van Guelpen B, Wark PA, Gallo V, Norat T, Riboli E, Vollset SE.

Br J Nutr. 2013 Jul 28;110(2):363-74. doi: 10.1017/S0007114512004990. Epub 2012 Dec 11.

[B vitamin therapy for homocysteine: renal function and vitamin B12 determine cardiovascular outcomes.](#)

Spence JD.

Clin Chem Lab Med. 2013 Mar 1;51(3):633-7. doi: 10.1515/cclm-2012-0465.

[Special issue on advances and controversies in B vitamins and choline.](#)

Herrmann W, Obeid R.

Clin Chem Lab Med. 2013 Mar 1;51(3):455-6. doi: 10.1515/cclm-2013-0004. No abstract available.

[Dietary intake of folate, B-vitamins and methionine and breast cancer risk among Hispanic and non-Hispanic white women.](#)

Yang D, Baumgartner RN, Slattery ML, Wang C, Giuliano AR, Murtaugh MA, Risendal BC, Byers T, Baumgartner KB.

PLoS One. 2013;8(2):e54495. doi: 10.1371/journal.pone.0054495. Epub 2013 Feb 11.

[Homocysteine plasma levels in patients treated with antiepileptic drugs depend on folate and vitamin B12 serum levels, but not on genetic variants of homocysteine metabolism.](#)

Semmler A, Moskau-Hartmann S, Stoffel-Wagner B, Elger C, Linnebank M.  
Clin Chem Lab Med. 2013 Mar 1;51(3):665-9. doi: 10.1515/cclm-2012-0580.

[B-Vitamin dependent methionine metabolism and alcoholic liver disease.](#)

Halsted CH.

Clin Chem Lab Med. 2013 Mar 1;51(3):457-65. Review.

[Plasma homocysteine and vitamin B12 serum levels, red blood cell folate concentrations, C677T methylenetetrahydrofolate reductase gene mutation and risk of recurrent miscarriage: a case-control study in Spain.](#)

Creus M, Deulofeu R, Peñarrubia J, Carmona F, Balasch J.

Clin Chem Lab Med. 2013 Mar 1;51(3):693-9.

[Genetic architecture of vitamin B12 and folate levels uncovered applying deeply sequenced large datasets.](#)

Grarup N, Sulem P, Sandholt CH, Thorleifsson G, Ahluwalia TS, Steinthorsdottir V, Bjarnason H, Gudbjartsson DF, Magnusson OT, Sparsø T, Albrechtsen A, Kong A, Masson G, Tian G, Cao H, Nie C, Kristiansen K, Husemoen LL, Thuesen B, Li Y, Nielsen R, Linneberg A, Olafsson I, Eyjolfsson GI, Jørgensen T, Wang J, Hansen T, Thorsteinsdottir U, Stefánsson K, Pedersen O.

PLoS Genet. 2013 Jun;9(6):e1003530. doi: 10.1371/journal.pgen.1003530.

Epub 2013 Jun 6.

[Folate, vitamin B12, vitamin B6 and homocysteine: impact on pregnancy outcome.](#)

Furness D, Fenech M, Dekker G, Khong TY, Roberts C, Hague W.

Matern Child Nutr. 2013 Apr;9(2):155-66. doi: 10.1111/j.1740-

8709.2011.00364.x. Epub 2011 Oct 24.

[Do Folate, Vitamins B6 and B12 Play a Role in the Pathogenesis of Migraine? The Role of Pharmacoepigenomics.](#)

Shaik MM, Lin TH, Kamal MA, Gan SH.

CNS Neurol Disord Drug Targets. 2013 Aug 27. [Epub ahead of print]

[Influence of nitrous oxide anesthesia, B-vitamins, and MTHFR gene polymorphisms on perioperative cardiac events: the vitamins in nitrous oxide \(VINO\) randomized trial.](#)

Nagele P, Brown F, Francis A, Scott MG, Gage BF, Miller JP; VINO Study Team.

Anesthesiology. 2013 Jul;119(1):19-28. doi:

10.1097/ALN.0b013e31829761e3.

[Effect of antioxidants and B-group vitamins on risk of infections in patients with type 2 diabetes mellitus.](#)

Gariballa S, Afandi B, Abu Haltem M, Yassin J, Alessa A.

Nutrients. 2013 Mar 5;5(3):711-24. doi: 10.3390/nu5030711.

[Homocysteine in lipoprotein apheresis patients--retrospective data analysis in apheresis center of a university hospital.](#)

Tselmin S, Rodionov RN, Müller G, Bornstein S, Julius U.  
Atheroscler Suppl. 2013 Jan;14(1):123-8. doi:  
10.1016/j.atherosclerosissup.2012.10.011.

[Effect of B vitamins and lowering homocysteine on cognitive impairment in patients with previous stroke or transient ischemic attack: a prespecified secondary analysis of a randomized, placebo-controlled trial and meta-analysis.](#)

Hankey GJ, Ford AH, Yi Q, Eikelboom JW, Lees KR, Chen C, Xavier D, Navarro JC, Ranawaka UK, Uddin W, Ricci S, Gommans J, Schmidt R, Almeida OP, van Bockxmeer FM; VITATOPS Trial Study Group.  
Stroke. 2013 Aug;44(8):2232-9. doi: 10.1161/STROKEAHA.113.001886. Epub 2013 Jun 13.

[Meta-analysis of B vitamin supplementation on plasma homocysteine, cardiovascular and all-cause mortality.](#)

Zhou C, Wu J, Fang S.  
Clin Nutr. 2013 Apr;32(2):314. doi: 10.1016/j.clnu.2013.01.001. Epub 2013 Jan 11. No abstract available.

## **Vitamin B<sub>1</sub>**

[Antiglycation activity of thiamin-HCl and benfotiamine in diabetic condition.](#)

Kousar S, Sheikh MA, Asghar M.  
J Pak Med Assoc. 2012 Oct;62(10):1033-8.

[Thiamine status in patients undergoing lower extremity amputation due to diabetic foot lesion.](#)

Kursat Dabak T, Ozdemir H, Feyyaz Akyıldız F.  
Int J Vitam Nutr Res. 2012 Dec;82(6):369-73. doi: 10.1024/0300-9831/a000133.

[Abnormal thiamine-dependent processes in Alzheimer's Disease. Lessons from diabetes.](#)

Gibson GE, Hirsch JA, Cirio RT, Jordan BD, Fonzetti P, Elder J.  
Mol Cell Neurosci. 2013 Jul;55:17-25. doi: 10.1016/j.mcn.2012.09.001. Epub 2012 Sep 13. Review.

[Thiamine-responsive pulmonary hypertension.](#)

Asakura T, Kodera S, Kanda J, Ikeda M.  
BMJ Case Rep. 2013 Jan 8;2013. doi:pil:bcr2012007938. 10.1136/bcr-2012-007938.

[How does fortification affect the distribution of calcium and vitamin B1 intake at the school lunch for fifth-grade children?](#)

Nozue M, Jun K, Ishihara Y, Taketa Y, Naruse A, Nagai N, Yoshita K, Ishida H.  
J Nutr Sci Vitaminol (Tokyo). 2013;59(1):22-8.

[The role of thiamine in HIV infection.](#)

L Ng Kv, Nguyễn LT.

Int J Infect Dis. 2013 Apr;17(4):e221-7. doi: 10.1016/j.ijid.2012.11.019.

Epub 2012 Dec 28. Review.

[Supplementary thiamine is still important in alcohol dependence.](#)

Rees E, Gowing LR.

Alcohol Alcohol. 2013 Jan-Feb;48(1):88-92. doi: 10.1093/alcalc/ags120.

Epub 2012 Nov 16.

[Time to act on the inadequate management of Wernicke's encephalopathy in the UK.](#)

Thomson AD, Marshall EJ, Bell D.

Alcohol Alcohol. 2013 Jan-Feb;48(1):4-8. doi: 10.1093/alcalc/ags111. Epub

2012 Oct 11. Review.

## **Vitamin B<sub>12</sub>**

[Low vitamin B12 levels among newly-arrived refugees from Bhutan, Iran and Afghanistan: a multicentre Australian study.](#)

Benson J, Phillips C, Kay M, Webber MT, Ratcliff AJ, Correa-Velez I, Lorimer MF.

PLoS One. 2013;8(2):e57998. doi: 10.1371/journal.pone.0057998. Epub 2013 Feb 28.

[The effect of Helicobacter pylori on vitamin B 12 blood levels in chronic renal failure patients: a single blind control trial.](#)

Khedmat H, Amini M, Karbasi A, Azizi R.

Saudi J Kidney Dis Transpl. 2013 Jul;24(4):759-63.

[A patient with an inborn error of vitamin B12 metabolism \(cblF\) detected by newborn screening.](#)

Armour CM, Brebner A, Watkins D, Geraghty MT, Chan A, Rosenblatt DS.

Pediatrics. 2013 Jul;132(1):e257-61. doi: 10.1542/peds.2013-0105. Epub 2013 Jun 17.

[Cobalamin C defect presenting with isolated pulmonary hypertension.](#)

Iodice FG, Di Chiara L, Boenzi S, Aiello C, Monti L, Cogo P, Dionisi-Vici C.

Pediatrics. 2013 Jul;132(1):e248-51. doi: 10.1542/peds.2012-1945. Epub 2013 Jun 10.

[Contribution of meat to vitamin B<sub>12</sub>, iron and zinc intakes in five ethnic groups in the USA: implications for developing food-based dietary guidelines.](#)

Sharma S, Sheehy T, Kolonel LN.

J Hum Nutr Diet. 2013 Apr;26(2):156-68. doi: 10.1111/jhn.12035. Epub 2013 Feb 7.

[Three family members with elevated plasma cobalamin, transcobalamin and soluble transcobalamin receptor \(sCD320\).](#)

Hoffmann-Lücke E, Arendt JF, Nissen PH, Mikkelsen G, Aasly JO, Nexø E. Clin Chem Lab Med. 2013 Mar 1;51(3):677-82. doi: 10.1515/cclm-2012-0554.

[Low vitamin B12 levels and gastric parietal cell antibodies in patients with aquaporin-4 antibody-positive neuromyelitis optica spectrum disorders.](#)

Jarius S, Paul F, Ruprecht K, Wildemann B. J Neurol. 2012 Dec;259(12):2743-5. doi: 10.1007/s00415-012-6677-1. Epub 2012 Sep 28. No abstract available.

[Roth spots in pernicious anaemia.](#)

Macauley M, Nag S. BMJ Case Rep. 2011 Apr 19;2011. doi:pil:bcr0120113734. 10.1136/bcr.01.2011.3734.

[Hydroxocobalamin treatment of acute cyanide poisoning from apricot kernels.](#)

Cigolini D, Ricci G, Zannoni M, Codogni R, De Luca M, Perfetti P, Rocca G. BMJ Case Rep. 2011 May 24;2011. doi:pil:bcr0320113932. 10.1136/bcr.03.2011.3932.

[Reversible dementia in young persons due to cobalamin deficiency.](#)

Kumar S, Narasimha A, Holla B, Viswanath B, Narayanaswamy JC, Math SB, Chandrashekar CR. J Neuropsychiatry Clin Neurosci. 2013 Winter;25(1):E62-3. doi: 10.1176/appi.neuropsych.12040083. No abstract available.

[Vitamin B\(12\) intake and status in early pregnancy among urban South Indian women.](#)

Samuel TM, Duggan C, Thomas T, Bosch R, Rajendran R, Virtanen SM, Srinivasan K, Kurpad AV. Ann Nutr Metab. 2013;62(2):113-22. doi: 10.1159/000345589. Epub 2013 Jan 22.

[Modeling a methylmalonic acid-derived change point for serum vitamin B-12 for adults in NHANES.](#)

Bailey RL, Durazo-Arvizu RA, Carmel R, Green R, Pfeiffer CM, Sempos CT, Carriquiry A, Yetley EA. Am J Clin Nutr. 2013 Aug;98(2):460-7. doi: 10.3945/ajcn.113.061234. Epub 2013 Jun 26.

[Cobalamin and haptocorrin in human milk and cobalamin-related variables in mother and child: a 9-mo longitudinal study.](#)

Greibe E, Lildballe DL, Streym S, Vestergaard P, Rejnmark L, Mosekilde L, Nexø E. Am J Clin Nutr. 2013 Aug;98(2):389-95. doi: 10.3945/ajcn.113.058479.

[Serum folate and vitamin B12 concentrations in relation to prostate cancer risk--a Norwegian population-based nested case-control study of 3000 cases](#)

[and 3000 controls within the JANUS cohort.](#)

de Vogel S, Meyer K, Fredriksen Å, Ulvik A, Ueland PM, Nygård O, Vollset SE, Tell GS, Tretli S, Bjørge T.

Int J Epidemiol. 2013 Feb;42(1):201-10. doi: 10.1093/ije/dys199.

[Vitamin B12 deficiency and hyperhomocysteinemia as correlates of cardiovascular risk factors in Indian subjects with coronary artery disease.](#)

Mahalle N, Kulkarni MV, Garg MK, Naik SS.

J Cardiol. 2013 Apr;61(4):289-94. doi: 10.1016/j.jjcc.2012.11.009. Epub 2013 Mar 6.

[Diagnosis and management of clinical and subclinical cobalamin deficiencies: why controversies persist in the age of sensitive metabolic testing.](#)

Carmel R.

Biochimie. 2013 May;95(5):1047-55. doi: 10.1016/j.biochi.2013.02.008. Epub 2013 Feb 14. Review.

[Molecular and cellular effects of vitamin B12 in brain, myocardium and liver through its role as co-factor of methionine synthase.](#)

Guéant JL, Caillerez-Fofou M, Battaglia-Hsu S, Alberto JM, Freund JN, Dulluc I, Adjalla C, Maury F, Merle C, Nicolas JP, Namour F, Daval JL.

Biochimie. 2013 May;95(5):1033-40. doi: 10.1016/j.biochi.2013.01.020. Epub 2013 Feb 14. Review.

[Cellular uptake of cobalamin: transcobalamin and the TCbIR/CD320 receptor.](#)

Quadros EV, Sequeira JM.

Biochimie. 2013 May;95(5):1008-18. doi: 10.1016/j.biochi.2013.02.004. Epub 2013 Feb 14. Review.

[Lessons in biology from patients with inborn errors of vitamin B12 metabolism.](#)

Watkins D, Rosenblatt DS.

Biochimie. 2013 May;95(5):1019-22. doi: 10.1016/j.biochi.2013.01.013. Epub 2013 Feb 10. Review.

[Gastric intrinsic factor: the gastric and small intestinal stages of cobalamin absorption. a personal journey.](#)

Alpers DH, Russell-Jones G.

Biochimie. 2013 May;95(5):989-94. doi: 10.1016/j.biochi.2012.12.006. Epub 2012 Dec 27. Review.

[Hooked to vitamin B12 since 1955: a historical perspective.](#)

Gräsbeck R.

Biochimie. 2013 May;95(5):970-5. doi: 10.1016/j.biochi.2012.12.007. Epub 2012 Dec 26. Review.

[Vitamin B12 in neurology and ageing; clinical and genetic aspects.](#)

McCaddon A.



Biochimie. 2013 May;95(5):1066-76. doi: 10.1016/j.biochi.2012.11.017. Epub 2012 Dec 7. Review.

[Serum vitamin B12 not reflecting vitamin B12 status in patients with type 2 diabetes.](#)

Obeid R, Jung J, Falk J, Herrmann W, Geisel J, Friesenhahn-Ochs B, Lammert F, Fassbender K, Kostopoulos P.  
Biochimie. 2013 May;95(5):1056-61. doi: 10.1016/j.biochi.2012.10.028. Epub 2012 Nov 17.

[Holotranscobalamin as an indicator of vitamin B12 deficiency in gastrectomized patients.](#)

Lee YK, Kim HS, Kang HJ.  
Ann Clin Lab Sci. 2009 Fall;39(4):361-6.

## **Vitamin B<sub>2</sub>**

[Riboflavin-responsive multiple acyl-CoA dehydrogenase deficiency with unknown genetic defect.](#)

Cotelli MS, Vielmi V, Rimoldi M, Rizzetto M, Castellotti B, Bertasi V, Todeschini A, Gregorelli V, Baronchelli C, Gellera C, Padovani A, Filosto M.  
Neurol Sci. 2012 Dec;33(6):1383-7. doi: 10.1007/s10072-011-0900-1. Epub 2011 Dec 22.

[Association of the plasma riboflavin levels and riboflavin transporter \(C20orf54\) gene statuses in Kazak esophageal squamous cell carcinoma patients.](#)

Ainiwaer J, Tuerhong A, Hasim A, Chengsong D, Liwei Z, Sheyhidin I.  
Mol Biol Rep. 2013 May;40(5):3769-75. doi: 10.1007/s11033-012-2453-7. Epub 2012 Dec 30.

[Biosynthesis of flavin cofactors in man: implications in health and disease.](#)

Barile M, Giancaspero TA, Brizio C, Panebianco C, Indiveri C, Galluccio M, Vergani L, Eberini I, Gianazza E.  
Curr Pharm Des. 2013;19(14):2649-75. Review.

## **Vitamin B<sub>6</sub>**

[Gyrate atrophy of the choroid and retina with hyperornithinemia, cystinuria and lysinuria responsive to vitamin B6.](#)

Tanzer F, Firat M, Alagoz M, Erdogan H.  
BMJ Case Rep. 2011 Mar 15;2011. doi:pil: bcr0720103200.  
10.1136/bcr.07.2010.3200.

[Measurement of plasma B6 vitamers profiles in children with inborn errors of vitamin B6 metabolism using an LC-MS/MS method.](#)

Footitt EJ, Clayton PT, Mills K, Heales SJ, Neergheen V, Oppenheim M, Mills PB.

J Inherit Metab Dis. 2013 Jan;36(1):139-45. doi: 10.1007/s10545-012-9493-y. Epub 2012 May 11.

## **Biotin**

### [Identification and assessment of markers of biotin status in healthy adults.](#)

Eng WK, Giraud D, Schlegel VL, Wang D, Lee BH, Zemleni J.  
Br J Nutr. 2013 Jul 28;110(2):321-9. doi: 10.1017/S0007114512005065. Epub 2013 Jan 10.

### [Brucella BioR regulator defines a complex regulatory mechanism for bacterial biotin metabolism.](#)

Feng Y, Xu J, Zhang H, Chen Z, Srinivas S.  
J Bacteriol. 2013 Aug;195(15):3451-67. doi: 10.1128/JB.00378-13. Epub 2013 May 31.

## **Folic acid**

### [An evaluation of nitric oxide, folate, homocysteine levels and lipid peroxidation in postmenopausal osteoporosis.](#)

Akpolat V, Bilgin HM, Celik MY, Erdemoglu M, Isik B.  
Adv Clin Exp Med. 2013 May-Jun;22(3):403-9.

### [Impact of continuing folic acid after the first trimester of pregnancy: findings of a randomized trial of Folic Acid Supplementation in the Second and Third Trimesters.](#)

McNulty B, McNulty H, Marshall B, Ward M, Molloy AM, Scott JM, Dornan J, Pentieva K.  
Am J Clin Nutr. 2013 Jul;98(1):92-8. doi: 10.3945/ajcn.112.057489. Epub 2013 May 29.

### [Effect of serum folate status on total folate and 5-methyltetrahydrofolate in human skin.](#)

Hasoun LZ, Bailey SW, Outlaw KK, Ayling JE.  
Am J Clin Nutr. 2013 Jul;98(1):42-8. doi: 10.3945/ajcn.112.057562. Epub 2013 May 15.

### [Folate catabolites in spot urine as non-invasive biomarkers of folate status during habitual intake and folic acid supplementation.](#)

Niesser M, Demmelmair H, Weith T, Moretti D, Rauh-Pfeiffer A, van Lipzig M, Vaes W, Koletzko B, Peissner W.  
PLoS One. 2013;8(2):e56194. doi: 10.1371/journal.pone.0056194. Epub 2013 Feb 14.

### [Severe folate-deficiency pancytopenia.](#)

Clarke V, Weston-Smith S.  
BMJ Case Rep. 2010 Oct 21;2010. doi:pil: bcr0320102851.

10.1136/bcr.03.2010.2851.

[Maternal prenatal folic acid supplementation is associated with a reduction in development of autistic disorder.](#)

Berry RJ.

J Pediatr. 2013 Jul;163(1):303-4. doi: 10.1016/j.jpeds.2013.04.060. No abstract available.

[Red cell or serum folate: what to do in clinical practice?](#)

Farrell CJ, Kirsch SH, Herrmann M.

Clin Chem Lab Med. 2013 Mar 1;51(3):555-69. doi: 10.1515/cclm-2012-0639. Review.

[Folate fortification and supplementation do not provide vascular health benefits in type 1 diabetes.](#)

Peña AS, Maftei O, Dowling K, Gent R, Wiltshire E, MacKenzie K, Couper J. J Pediatr. 2013 Jul;163(1):255-60. doi: 10.1016/j.jpeds.2012.12.055. Epub 2013 Jan 30.

[A lower degree of PBMC L1 methylation is associated with excess body weight and higher HOMA-IR in the presence of lower concentrations of plasma folate.](#)

Piyathilake CJ, Badiga S, Alvarez RD, Partridge EE, Johanning GL.

PLoS One. 2013;8(1):e54544. doi: 10.1371/journal.pone.0054544. Epub 2013 Jan 24.

[Folic acid-conjugated graphene oxide for cancer targeted chemo-photothermal therapy.](#)

Qin XC, Guo ZY, Liu ZM, Zhang W, Wan MM, Yang BW.

J Photochem Photobiol B. 2013 Mar 5;120:156-62. doi: 10.1016/j.jphotobiol.2012.12.005. Epub 2012 Dec 29.

[Clinical recognition and aspects of the cerebral folate deficiency syndromes.](#)

Ramaekers V, Sequeira JM, Quadros EV.

Clin Chem Lab Med. 2013 Mar 1;51(3):497-511. doi: 10.1515/cclm-2012-0543. Review.

[A folate receptor electrochemical sensor based on terminal protection and supersandwich DNAzyme amplification.](#)

Wang G, He X, Wang L, Zhang X.

Biosens Bioelectron. 2013 Apr 15;42:337-41. doi: 10.1016/j.bios.2012.10.066. Epub 2012 Nov 8.

[Is there an effect of folic acid supplementation on the coagulation factors and C-reactive protein concentrations in subjects with atherosclerosis risk factors?](#)

Mierzecki A, Kłoda K, Jastrzębska M, Chęłstowski K, Honczarenko K, Kozłowska-Wojciechowska M, Naruszewicz M.

Postepy Hig Med Dosw (Online). 2012 Oct 19;66:696-701. doi:

10.5604/17322693.1014655.

[Plasma choline and betaine correlate with serum folate, plasma S-adenosyl-methionine and S-adenosyl-homocysteine in healthy volunteers.](#)

Imbard A, Smulders YM, Barto R, Smith DE, Kok RM, Jakobs C, Blom HJ. Clin Chem Lab Med. 2013 Mar 1;51(3):683-92.

[Folate and asthma.](#)

Blatter J, Han YY, Forno E, Brehm J, Bodnar L, Celedón JC. Am J Respir Crit Care Med. 2013 Jul 1;188(1):12-7. doi: 10.1164/rccm.201302-0317PP. Review.

[Folate and thiamine transporters mediated by facilitative carriers \(SLC19A1-3 and SLC46A1\) and folate receptors.](#)

Zhao R, Goldman ID. Mol Aspects Med. 2013 Apr-Jun;34(2-3):373-85. doi: 10.1016/j.mam.2012.07.006. Review.

[Short-term folate supplementation in physiological doses has no effect on ESR1 and MLH1 methylation in colonic mucosa of individuals with adenoma.](#)

Al-Ghnaniem Abbad R, Emery P, Pufulete M. J Nutrigenet Nutrigenomics. 2012;5(6):327-38. doi: 10.1159/000345819. Epub 2013 Jan 16.

[Alcohol consumption, folate intake, hepatocellular carcinoma, and liver disease mortality.](#)

Persson EC, Schwartz LM, Park Y, Trabert B, Hollenbeck AR, Graubard BI, Freedman ND, McGlynn KA. Cancer Epidemiol Biomarkers Prev. 2013 Mar;22(3):415-21. doi: 10.1158/1055-9965.EPI-12-1169. Epub 2013 Jan 10.

[Association of folate intake, dietary habits, smoking and COX-2 promotor -765G>C polymorphism with K-ras mutation in patients with colorectal cancer.](#)

Kamal MM, Youssef OZ, Lotfy AN, Elsaed ET, Fawzy MM. J Egypt Natl Canc Inst. 2012 Sep;24(3):115-22. doi: 10.1016/j.jnci.2012.05.002. Epub 2012 Jul 4.

[Neural tube defects: recent advances, unsolved questions, and controversies.](#)

Copp AJ, Stanier P, Greene ND. Lancet Neurol. 2013 Aug;12(8):799-810. doi: 10.1016/S1474-4422(13)70110-8. Epub 2013 Jun 19. Review.

[The distribution of serum folate concentration and red blood cell indices in alcoholics.](#)

Cylwik B, Naklicki M, Gruszewska E, Szmitkowski M, Chrostek L. J Nutr Sci Vitaminol (Tokyo). 2013;59(1):1-8.

[The association between periconceptual folic acid supplementation and congenital heart defects: a case-control study in China.](#)

Li X, Li S, Mu D, Liu Z, Li Y, Lin Y, Chen X, You F, Li N, Deng K, Deng Y, Wang Y, Zhu J.  
Prev Med. 2013 Jun;56(6):385-9. doi: 10.1016/j.ypmed.2013.02.019. Epub 2013 Feb 26.

[Socioeconomic status is significantly associated with the dietary intakes of folate and depression scales in Japanese workers \(J-HOPE Study\).](#)

Miyaki K, Song Y, Taneichi S, Tsutsumi A, Hashimoto H, Kawakami N, Takahashi M, Shimazu A, Inoue A, Kurioka S, Shimbo T.  
Nutrients. 2013 Feb 18;5(2):565-78. doi: 10.3390/nu5020565.

[DHFR 19-bp deletion and SHMT C1420T polymorphisms and metabolite concentrations of the folate pathway in individuals with Down syndrome.](#)

Mendes CC, Raimundo AM, Oliveira LD, Zampieri BL, Marucci GH, Biselli JM, Goloni-Bertollo EM, Eberlin MN, Haddad R, Riccio MF, Vannucchi H, Carvalho VM, Pavarino EC.  
Genet Test Mol Biomarkers. 2013 Apr;17(4):274-7. doi: 10.1089/gtmb.2012.0293. Epub 2013 Feb 19.

[Folic acid uptake by the human syncytiotrophoblast is affected by gestational diabetes, hyperleptinemia, and TNF- \$\alpha\$ .](#)

Araújo JR, Correia-Branco A, Moreira L, Ramalho C, Martel F, Keating E.  
Pediatr Res. 2013 Apr;73(4 Pt 1):388-94. doi: 10.1038/pr.2013.14. Epub 2013 Jan 21.

[Maternal iron and folic acid supplementation is associated with lower risk of low birth weight in India.](#)

Balarajan Y, Subramanian SV, Fawzi WW.  
J Nutr. 2013 Aug;143(8):1309-15. doi: 10.3945/jn.112.172015. Epub 2013 Jun 12.

[Too many left at risk by current folic acid supplementation use: evidence from Growing Up in New Zealand.](#)

Morton SM, Grant CC, Atatoa Carr PE.  
Aust N Z J Public Health. 2013 Apr;37(2):190-1. doi: 10.1111/1753-6405.12042. No abstract available.

[Methylenetetrahydrofolate reductase: biochemical characterization and medical significance.](#)

Trimmer EE.  
Curr Pharm Des. 2013;19(14):2574-93. Review.

## Niacin

[A case of pellagra associated with megaduodenum in a young woman.](#)

Zaraa I, Belghith I, El Euch D, Karoui S, Mokni M, Fillali A, Ben Osman A.  
Nutr Clin Pract. 2013 Apr;28(2):218-22. doi: 10.1177/0884533612464783.

Epub 2012 Dec 11.

[Do patients on statins also need niacin?](#)

Jones KW.

JAAPA. 2013 Jul;26(7):9-10.

[Nicotinamide inhibits vasculogenic mimicry, an alternative vascularization pathway observed in highly aggressive melanoma.](#)

Itzhaki O, Greenberg E, Shalmon B, Kubi A, Treves AJ, Shapira-Frommer R, Avivi C, Ortenberg R, Ben-Ami E, Schachter J, Besser MJ, Markel G.

PLoS One. 2013;8(2):e57160. doi: 10.1371/journal.pone.0057160. Epub 2013 Feb 25.

### **Pantothenic acid**

[Efficacy of dexpanthenol for pediatric post-tonsillectomy pain and wound healing.](#)

Celebi S, Tepe C, Yelken K, Celik O.

Ann Otol Rhinol Laryngol. 2013 Jul;122(7):464-7.

### **Vitamin C**

[Rapid recovery time of hemoglobin level in female regular blood donors with ferrous fumarate and high dose of ascorbic acid supplement.](#)

Chiamchanya N.

J Med Assoc Thai. 2013 Feb;96(2):165-71.

[A nutritional analysis of New Zealand military food rations at Gallipoli in 1915: likely contribution to scurvy and other nutrient deficiency disorders.](#)

Wilson N, Nghiem N, Summers JA, Carter MA, Harper G.

N Z Med J. 2013 Apr 19;126(1373):12-29.

[Phase I clinical trial to evaluate the safety, tolerability, and pharmacokinetics of high-dose intravenous ascorbic acid in patients with advanced cancer.](#)

Stephenson CM, Levin RD, Spector T, Lis CG.

Cancer Chemother Pharmacol. 2013 Jul;72(1):139-46. doi: 10.1007/s00280-013-2179-9. Epub 2013 May 14.

[The possible role of antioxidant vitamin C in Alzheimer's disease treatment and prevention.](#)

Heo JH, Hyon-Lee, Lee KM.

Am J Alzheimers Dis Other Demen. 2013 Mar;28(2):120-5. doi:

10.1177/1533317512473193. Epub 2013 Jan 9. Review.

[The sodium-dependent ascorbic acid transporter family SLC23.](#)

Bürzle M, Suzuki Y, Ackermann D, Miyazaki H, Maeda N, Clémenton B, Burrier R, Hediger MA.

Mol Aspects Med. 2013 Apr-Jun;34(2-3):436-54. doi:  
10.1016/j.mam.2012.12.002. Review.

[Vitamin C intake and breast cancer mortality in a cohort of Swedish women.](#)

Harris HR, Bergkvist L, Wolk A.

Br J Cancer. 2013 Jul 9;109(1):257-64. doi: 10.1038/bjc.2013.269. Epub  
2013 Jun 4.

[Breathing-in epigenetic change with vitamin C.](#)

Monfort A, Wutz A.

EMBO Rep. 2013 Apr;14(4):337-46. doi: 10.1038/embor.2013.29. Epub 2013  
Mar 15. Review.

[Ascorbic acid supplements and kidney stone risk.](#)

Hoffer LJ.

JAMA Intern Med. 2013 Jul 22;173(14):1384. doi:  
10.1001/jamainternmed.2013.7731. No abstract available.

[Ascorbic acid supplements and kidney stone risk--reply.](#)

Tiselius HG, Åkesson A, Thomas LD.

JAMA Intern Med. 2013 Jul 22;173(14):1384. doi:  
10.1001/jamainternmed.2013.7699. No abstract available.

[Plasma vitamin C, but not vitamin E, is associated with reduced risk of heart failure in older men.](#)

Wannamethee SG, Bruckdorfer KR, Shaper AG, Papacosta O, Lennon L,  
Whincup PH.

Circ Heart Fail. 2013 Jul;6(4):647-54. doi:  
10.1161/CIRCHEARTFAILURE.112.000281. Epub 2013 May 31.

## Vitamin D

[Proceedings of the Fifteenth Vitamin D Workshop. Houston, Texas, USA. June 1922, 2012.](#)

[No authors listed]

J Steroid Biochem Mol Biol. 2013 Jul;136:1-344. No abstract available.

[Proposal and validation of a quick question to rate the influence of sun exposure in geriatric epidemiological studies on vitamin D.](#)

Annweiler C, Schott AM, Beauchet O.

Int J Vitam Nutr Res. 2012 Dec;82(6):412-6. doi: 10.1024/0300-  
9831/a000139.

[25\(OH\) vitamin D levels in premenopausal women with polycystic ovary syndrome and/or obesity.](#)

Tsakova AD, Gateva AT, Kamenov ZA.

Int J Vitam Nutr Res. 2012 Dec;82(6):399-404. doi: 10.1024/0300-  
9831/a000137.

[Pre-hospital vitamin D concentration, mortality, and bloodstream infection in a hospitalized patient population.](#)

Lange N, Litonjua AA, Gibbons FK, Giovannucci E, Christopher KB.  
Am J Med. 2013 Jul;126(7):640.e19-27. doi: 10.1016/j.amjmed.2012.12.014.

[Evidences of dual role of vitamin D through cellular energy homeostasis and inflammation pathway in risk of cancer in obese subjects.](#)

Hosseini-Nezhad A, Mirzaei K, Keshavarz SA, Ansar H, Saboori S, Tootee A.  
Minerva Med. 2013 Jun;104(3):295-307.

[Effect of calcium plus vitamin D supplementation during pregnancy in Brazilian adolescent mothers: a randomized, placebo-controlled trial.](#)

Diogenes ME, Bezerra FF, Rezende EP, Taveira MF, Pinhal I, Donangelo CM.  
Am J Clin Nutr. 2013 Jul;98(1):82-91. doi: 10.3945/ajcn.112.056275. Epub 2013 May 29.

[Vitamin D status and breast cancer in Saudi Arabian women: case-control study.](#)

Yousef FM, Jacobs ET, Kang PT, Hakim IA, Going S, Yousef JM, Al-Raddadi RM, Kumosani TA, Thomson CA.  
Am J Clin Nutr. 2013 Jul;98(1):105-10. doi: 10.3945/ajcn.112.054445. Epub 2013 May 22.

[Plasma 25-hydroxyvitamin D associated with pulmonary function in Canadian adults with excess adiposity.](#)

Khan S, Mai XM, Chen Y.  
Am J Clin Nutr. 2013 Jul;98(1):174-9. doi: 10.3945/ajcn.112.054734. Epub 2013 May 8.

[Predicting deficiency of vitamin D in renal transplant recipients in northern climates.](#)

Beique LC, Kline GA, Dalton B, Duggan K, Yilmaz S.  
Transplantation. 2013 Jun 27;95(12):1479-84. doi: 10.1097/TP.0b013e31828eea93.

[Impaired vitamin D metabolism in CKD.](#)

Bosworth C, de Boer IH.  
Semin Nephrol. 2013 Mar;33(2):158-68. doi: 10.1016/j.semnephrol.2012.12.016. Review.

[Serum 25-hydroxyvitamin D concentration does not correlate with atopic dermatitis severity.](#)

Chiu YE, Havens PL, Siegel DH, Ali O, Wang T, Holland KE, Galbraith SS, Lyon VB, Drolet BA.  
J Am Acad Dermatol. 2013 Jul;69(1):40-6. doi: 10.1016/j.jaad.2013.01.010. Epub 2013 Feb 14.

[Vitamin D status: multifactorial contribution of environment, genes and other factors in healthy Australian adults across a latitude gradient.](#)

Lucas RM, Ponsonby AL, Dear K, Valery PC, Taylor B, van der Mei I,



McMichael AJ, Pender MP, Chapman C, Coulthard A, Kilpatrick TJ, Stankovich J, Williams D, Dwyer T.  
J Steroid Biochem Mol Biol. 2013 Jul;136:300-8. doi:  
10.1016/j.jsbmb.2013.01.011. Epub 2013 Feb 8. Review.

[Prevalence of hypovitaminosis D among children with upper extremity fractures.](#)

James JR, Massey PA, Hollister AM, Greber EM.  
J Pediatr Orthop. 2013 Mar;33(2):159-62. doi:  
10.1097/BPO.0b013e3182770bf7.

[Vitamin D down-regulates TRPC6 expression in podocyte injury and proteinuric glomerular disease.](#)

Sonneveld R, Ferrè S, Hoenderop JG, Dijkman HB, Berden JH, Bindels RJ, Wetzels JF, van der Vlag J, Nijenhuis T.  
Am J Pathol. 2013 Apr;182(4):1196-204. doi: 10.1016/j.ajpath.2012.12.011.  
Epub 2013 Feb 4.

[Vitamin D and arterial hypertension: treat the deficiency!](#)

Kienreich K, Tomaschitz A, Verheyen N, Pieber TR, Pilz S.  
Am J Hypertens. 2013 Feb;26(2):158. doi: 10.1093/ajh/hps058. Epub 2012  
Dec 27. No abstract available.

[The effect of different doses of vitamin D supplementation on insulin resistance during pregnancy.](#)

Soheilykhah S, Mojibian M, Moghadam MJ, Shojaoddiny-Ardekani A.  
Gynecol Endocrinol. 2013 Apr;29(4):396-9. doi:  
10.3109/09513590.2012.752456. Epub 2013 Jan 25.

[Vitamin d deficiency is associated with ulcerative colitis disease activity.](#)

Blanck S, Aberra F.  
Dig Dis Sci. 2013 Jun;58(6):1698-702. doi: 10.1007/s10620-012-2531-7. Epub  
2013 Jan 19.

[1,25\(OH\)<sub>2</sub> vitamin D suppresses macrophage migration and reverses atherogenic cholesterol metabolism in type 2 diabetic patients.](#)

Riek AE, Oh J, Bernal-Mizrachi C.  
J Steroid Biochem Mol Biol. 2013 Jul;136:309-12. doi:  
10.1016/j.jsbmb.2012.12.019. Epub 2013 Jan 17. Review.

[The sum of many small changes: microRNAs are specifically and potentially globally altered by vitamin D3 metabolites.](#)

Giangreco AA, Nonn L.  
J Steroid Biochem Mol Biol. 2013 Jul;136:86-93. doi:  
10.1016/j.jsbmb.2013.01.001. Epub 2013 Jan 16. Review.

[Health characteristics and outcomes of two randomized vitamin D supplementation trials during pregnancy: a combined analysis.](#)

Wagner CL, McNeil RB, Johnson DD, Hulsey TC, Ebeling M, Robinson C, Hamilton SA, Hollis BW.

J Steroid Biochem Mol Biol. 2013 Jul;136:313-20. doi: 10.1016/j.jsbmb.2013.01.002. Epub 2013 Jan 10. Review.

[Drug-vitamin D interactions: a systematic review of the literature.](#)

Robien K, Oppeneer SJ, Kelly JA, Hamilton-Reeves JM. Nutr Clin Pract. 2013 Apr;28(2):194-208. doi: 10.1177/0884533612467824. Epub 2013 Jan 10. Review.

[25-Hydroxyvitamin D concentrations and risk of venous thromboembolism in the general population with 18,791 participants.](#)

Brøndum-Jacobsen P, Benn M, Tybjaerg-Hansen A, Nordestgaard BG. J Thromb Haemost. 2013 Mar;11(3):423-31. doi: 10.1111/jth.12118.

[The recognition of 25-hydroxyvitamin D2 and D3 by a new binding protein based 25-hydroxyvitamin D assay.](#)

Su Z, Slay BR, Carr R, Zhu Y. Clin Chim Acta. 2013 Feb 18;417:62-6. doi: 10.1016/j.cca.2012.12.018. Epub 2012 Dec 22.

[Vitamin D status is associated with sun exposure, vitamin D and calcium intake, acculturation and attitudes in immigrant East Asian women living in Sydney.](#)

Brock KE, Ke L, Tseng M, Clemson L, Koo FK, Jang H, Seibel MJ, Mpofu E, Fraser DR, Mason RS. J Steroid Biochem Mol Biol. 2013 Jul;136:214-7. doi: 10.1016/j.jsbmb.2012.12.005. Epub 2012 Dec 20. Review.

[The effect of vitamin D supplementation on serum 25\(OH\)D in thin and obese women.](#)

Gallagher JC, Yalamanchili V, Smith LM. J Steroid Biochem Mol Biol. 2013 Jul;136:195-200. doi: 10.1016/j.jsbmb.2012.12.003. Epub 2012 Dec 11. Review.

[Vitamin D in the prevention of acute respiratory infection: systematic review of clinical studies.](#)

Jolliffe DA, Griffiths CJ, Martineau AR. J Steroid Biochem Mol Biol. 2013 Jul;136:321-9. doi: 10.1016/j.jsbmb.2012.11.017. Epub 2012 Dec 7. Review.

[Vitamin D3 supplementation, low-risk prostate cancer, and health disparities.](#)

Hollis BW, Marshall DT, Savage SJ, Garrett-Mayer E, Kindy MS, Gattoni-Celli S. J Steroid Biochem Mol Biol. 2013 Jul;136:233-7. doi: 10.1016/j.jsbmb.2012.11.012. Epub 2012 Dec 7. Review.

[The gene for the transcription factor BHLHE40/DEC1/stra13 is a dynamically regulated primary target of the vitamin D receptor.](#)

Seuter S, Pehkonen P, Heikkinen S, Carlberg C. J Steroid Biochem Mol Biol. 2013 Jul;136:62-7. doi:

10.1016/j.jsbmb.2012.11.011. Epub 2012 Dec 7.

[Vitamin D status predicts hand-grip strength in young adult women living in Auckland, New Zealand.](#)

von Hurst PR, Conlon C, Foskett A.

J Steroid Biochem Mol Biol. 2013 Jul;136:330-2. doi:

10.1016/j.jsbmb.2012.11.015. Epub 2012 Dec 7. Review.

[Time trend of UVB irradiation and the vitamin D concentration in German type 1 diabetes patients.](#)

Langer J, Penna-Martinez M, Wallasch M, Bon D, Badenhop K.

J Steroid Biochem Mol Biol. 2013 Jul;136:218-20. doi:

10.1016/j.jsbmb.2012.11.008. Epub 2012 Dec 1. Review.

[The effect of vitamin D supplementation on inflammatory and hemostatic markers and disease activity in patients with systemic lupus erythematosus: a randomized placebo-controlled trial.](#)

Abou-Raya A, Abou-Raya S, Helmi M.

J Rheumatol. 2013 Mar;40(3):265-72. doi: 10.3899/jrheum.111594. Epub

2012 Dec 1.

[Evaluation of two automated immunoassays for 25-OH vitamin D: comparison against LC-MS/MS.](#)

Hsu SA, Soldo J, Gupta M.

J Steroid Biochem Mol Biol. 2013 Jul;136:139-45. doi:

10.1016/j.jsbmb.2012.11.005. Epub 2012 Nov 29. Review.

[1 \$\alpha\$ ,25-Dihydroxyvitamin D<sub>3</sub> reduces several types of UV-induced DNA damage and contributes to photoprotection.](#)

Song EJ, Gordon-Thomson C, Cole L, Stern H, Halliday GM, Damian DL, Reeve VE, Mason RS.

J Steroid Biochem Mol Biol. 2013 Jul;136:131-8. doi:

10.1016/j.jsbmb.2012.11.003. Epub 2012 Nov 16. Review.

[Low calcium intake and inadequate vitamin D status in postmenopausal osteoporotic women.](#)

Quesada-Gómez JM, Diaz-Curiel M, Sosa-Henriquez M, Malouf-Sierra J, Nogues-Solan X, Gomez-Alonso C, Rodriguez-Mañas L, Neyro-Bilbao JL, Cortes X, Delgadillo J.

J Steroid Biochem Mol Biol. 2013 Jul;136:175-7. doi:

10.1016/j.jsbmb.2012.10.013. Epub 2012 Nov 8. Review.

[Prevalence of classic signs and symptoms of rickets and vitamin D deficiency in Mongolian children and women.](#)

Uush T.

J Steroid Biochem Mol Biol. 2013 Jul;136:207-10. doi:

10.1016/j.jsbmb.2012.10.014. Epub 2012 Nov 2. Review.

[Survey of current vitamin D food fortification practices in the United States and Canada.](#)

Calvo MS, Whiting SJ.  
J Steroid Biochem Mol Biol. 2013 Jul;136:211-3. doi:  
10.1016/j.jsbmb.2012.09.034. Epub 2012 Oct 24. Review.

[Benefits of ultraviolet-B irradiance and vitamin D in youth.](#)

Grant WB.  
J Steroid Biochem Mol Biol. 2013 Jul;136:221-3. doi:  
10.1016/j.jsbmb.2012.10.003. Epub 2012 Oct 16. Review.

[The association of serum 25-hydroxyvitamin D and vertebral fractures in patients with type 2 diabetes.](#)

Kim YJ, Park SO, Kim TH, Lee JH, Kim SH.  
Endocr J. 2013;60(2):179-84. Epub 2012 Oct 13.

[Blood lead concentration is not altered by high-dose vitamin D supplementation in children and young adults with HIV.](#)

Groleau V, Herold RA, Schall JI, Wagner JL, Dougherty KA, Zemel BS, Rutstein RM, Stallings VA.  
J Pediatr Gastroenterol Nutr. 2013 Mar;56(3):316-9. doi:  
10.1097/MPG.0b013e3182758c4a.

[Health is better at serum 25\(OH\)D above 30ng/mL.](#)

Heaney RP.  
J Steroid Biochem Mol Biol. 2013 Jul;136:224-8. doi:  
10.1016/j.jsbmb.2012.09.032. Epub 2012 Oct 8. Review.

[Protective role of vitamin D signaling in skin cancer formation.](#)

Bikle DD, Elalieh H, Welsh J, Oh D, Cleaver J, Teichert A.  
J Steroid Biochem Mol Biol. 2013 Jul;136:271-9. doi:  
10.1016/j.jsbmb.2012.09.021. Epub 2012 Oct 8. Review.

[1 \$\alpha\$ ,25\(OH\) \$\_2\$ -dihydroxyvitamin D \$\_3\$ /VDR protects the skin from UVB-induced tumor formation by interacting with the  \$\beta\$ -catenin pathway.](#)

Jiang YJ, Teichert AE, Fong F, Oda Y, Bikle DD.  
J Steroid Biochem Mol Biol. 2013 Jul;136:229-32. doi:  
10.1016/j.jsbmb.2012.09.024. Epub 2012 Sep 28. Review.

[Differential response to 1 \$\alpha\$ ,25-dihydroxyvitamin D \$\_3\$  \(1 \$\alpha\$ ,25\(OH\) \$\_2\$ D \$\_3\$ \) in non-small cell lung cancer cells with distinct oncogene mutations.](#)

Zhang Q, Kanterewicz B, Shoemaker S, Hu Q, Liu S, Atwood K, Hershberger P.  
J Steroid Biochem Mol Biol. 2013 Jul;136:264-70. doi:  
10.1016/j.jsbmb.2012.09.022. Epub 2012 Sep 28. Review.

[Vitamin D status and the Cdx-2 polymorphism of the vitamin D receptor gene are determining factors of bone mineral density in young healthy postmenopausal women.](#)

Casado-Díaz A, Cuenca-Acevedo R, Navarro-Valverde C, Díaz-Molina C, Caballero-Villarraso J, Santiago-Mora R, Dorado G, Quesada-Gómez JM.  
J Steroid Biochem Mol Biol. 2013 Jul;136:187-9. doi:

10.1016/j.jsbmb.2012.09.026. Epub 2012 Sep 28. Review.

[The relationship of vitamin D status, smoking, and colorectal adenoma: a retrospective study in an ethnically diverse community.](#)

Zheng XE, Lipka S, Li T, Shahzad G, Levine E, Vlacancich R, Takeshige U, Mustacchia P.

J Steroid Biochem Mol Biol. 2013 Jul;136:280-3. doi:  
10.1016/j.jsbmb.2012.09.018. Epub 2012 Sep 19. Review.

[Associations between vitamin D deficiency and risk of aggressive breast cancer in African-American women.](#)

Yao S, Ambrosone CB.

J Steroid Biochem Mol Biol. 2013 Jul;136:337-41. doi:  
10.1016/j.jsbmb.2012.09.010. Epub 2012 Sep 18. Review.

[The pleiotropic effects of vitamin D in bone.](#)

Anderson PH, Lam NN, Turner AG, Davey RA, Kogawa M, Atkins GJ, Morris HA.

J Steroid Biochem Mol Biol. 2013 Jul;136:190-4. doi:  
10.1016/j.jsbmb.2012.08.008. Epub 2012 Sep 5. Review.

[Improvement of pain, sleep, and quality of life in chronic pain patients with vitamin D supplementation.](#)

Huang W, Shah S, Long Q, Crankshaw AK, Tangpricha V.

Clin J Pain. 2013 Apr;29(4):341-7. doi: 10.1097/AJP.0b013e318255655d.

[Ethnic differences in 25-hydroxyvitamin D levels and response to treatment in CKD.](#)

Sanchez I, Mangoo-Karim R, Stubbs JR, Yanev GP, Wetmore JB.

Int Urol Nephrol. 2013 Feb;45(1):181-9. doi: 10.1007/s11255-012-0200-6.  
Epub 2012 May 30.

[Vitamin D supplementation during first 12 months of life.](#)

Sofiyan A, Nanan RK.

JAMA. 2013 Aug 28;310(8):853. doi: 10.1001/jama.2013.124263. No abstract available.

[Vitamin D and cognition: recommendations for future trials.](#)

Annweiler C, Beauchet O.

J Am Geriatr Soc. 2013 Jun;61(6):1049-50. doi: 10.1111/jgs.12287. No abstract available.

[Association between serum 25-hydroxyvitamin D concentration and optic chiasm volume.](#)

Annweiler C, Beauchet O, Bartha R, Graffe A, Milea D, Montero-Odasso M.

J Am Geriatr Soc. 2013 Jun;61(6):1026-8. doi: 10.1111/jgs.12249. No abstract available.

[Associations between vitamin D and self-reported respiratory disease in older people from a nationally representative population survey.](#)

Hirani V.

J Am Geriatr Soc. 2013 Jun;61(6):969-73. doi: 10.1111/jgs.12254. Epub 2013 May 6.

[Vitamin D in systemic lupus erythematosus: modest association with disease activity and the urine protein-to-creatinine ratio.](#)

Petri M, Bello KJ, Fang H, Magder LS.

Arthritis Rheum. 2013 Jul;65(7):1865-71. doi: 10.1002/art.37953.

[Association between serum levels of 25-hydroxyvitamin D and osteoarthritis: a systematic review.](#)

Cao Y, Winzenberg T, Nguo K, Lin J, Jones G, Ding C.

Rheumatology (Oxford). 2013 Jul;52(7):1323-34. doi:

10.1093/rheumatology/ket132. Epub 2013 Mar 29. Review.

[Prevalence of vitamin D deficiency in patients with lumbar spinal stenosis and its relationship with pain.](#)

Kim TH, Lee BH, Lee HM, Lee SH, Park JO, Kim HS, Kim SW, Moon SH.

Pain Physician. 2013 Mar-Apr;16(2):165-76.

[Vitamin D status, filaggrin genotype, and cardiovascular risk factors: a Mendelian randomization approach.](#)

Skaaby T, Husemoen LL, Martinussen T, Thyssen JP, Melgaard M, Thuesen BH, Pisinger C, Jørgensen T, Johansen JD, Menné T, Carlsen B, Szecsi PB, Stender S, Fenger RV, Fenger M, Linneberg A.

PLoS One. 2013;8(2):e57647. doi: 10.1371/journal.pone.0057647. Epub 2013 Feb 27.

[Vitamin D: a negative acute phase reactant.](#)

Waldron JL, Ashby HL, Cornes MP, Bechervaise J, Razavi C, Thomas OL, Chugh S, Deshpande S, Ford C, Gama R.

J Clin Pathol. 2013 Jul;66(7):620-2. doi: 10.1136/jclinpath-2012-201301.

Epub 2013 Mar 1.

[Higher blood 25\(OH\)D level may reduce the breast cancer risk: evidence from a Chinese population based case-control study and meta-analysis of the observational studies.](#)

Chen P, Li M, Gu X, Liu Y, Li X, Li C, Wang Y, Xie D, Wang F, Yu C, Li J, Chen X, Chu R, Zhu J, Ou Z, Wang H.

PLoS One. 2013;8(1):e49312. doi: 10.1371/journal.pone.0049312. Epub 2013 Jan 30.

[Decreased plasma vitamin D levels in patients with undifferentiated spondyloarthritis and ankylosing spondylitis.](#)

Erten S, Kucuksahin O, Sahin A, Altunoglu A, Akyol M, Koca C.

Intern Med. 2013;52(3):339-44. Epub 2013 Feb 1.

[Vitamin D deficiency and risk for rheumatic diseases: an update.](#)

Gatenby P, Lucas R, Swaminathan A.

Curr Opin Rheumatol. 2013 Mar;25(2):184-91. doi:

10.1097/BOR.0b013e32835cfc16. Review.

[The role of vitamin D in Alzheimer's disease: possible genetic and cell signaling mechanisms.](#)

Lu'o'ng KV, Nguyen LT.

Am J Alzheimers Dis Other Demen. 2013 Mar;28(2):126-36. doi: 10.1177/1533317512473196. Epub 2013 Jan 15. Review.

[Vitamin D supplementation in elderly or postmenopausal women: a 2013 update of the 2008 recommendations from the European Society for Clinical and Economic Aspects of Osteoporosis and Osteoarthritis \(ESCEO\).](#)

Rizzoli R, Boonen S, Brandi ML, Bruyère O, Cooper C, Kanis JA, Kaufman JM, Ringe JD, Weryha G, Reginster JY.

Curr Med Res Opin. 2013 Apr;29(4):305-13. doi: 10.1185/03007995.2013.766162. Epub 2013 Feb 7.

[Effect of 1 year B and D vitamin supplementation on LINE-1 repetitive element methylation in older subjects.](#)

Hübner U, Geisel J, Kirsch SH, Kruse V, Bodis M, Klein C, Herrmann W, Obeid R.

Clin Chem Lab Med. 2013 Mar 1;51(3):649-55. doi: 10.1515/cclm-2012-0624.

[Vitamin D supplementation and monitoring in multiple sclerosis: who, when and wherefore.](#)

Holmøy T, Torkildsen Ø, Myhr KM, Løken-Amsrud KI.

Acta Neurol Scand Suppl. 2012;(195):63-9. doi: 10.1111/ane.12028.

[Role of vitamin D in the development of insulin resistance and type 2 diabetes.](#)

Pilz S, Kienreich K, Rutters F, de Jongh R, van Ballegooijen AJ, Grübler M, Tomaschitz A, Dekker JM.

Curr Diab Rep. 2013 Apr;13(2):261-70. doi: 10.1007/s11892-012-0358-4. Review.

[Risk in dosing regimens for 25-OH vitamin D supplementation in chronic haemodialysis patients.](#)

Albalade M, de la Piedra C, Ortiz A, Hernández Pérez J, Rubert M, Pérez Garcia R, Zazo P, Nieto L, de Sequera P, Egido J.

Nephron Clin Pract. 2012;121(3-4):c112-9. doi: 10.1159/000345148. Epub 2012 Nov 27.

[Assessment of supplement use \(including vitamin D\) in Inuvialuit adults in the Northwest Territories, Canada.](#)

Kozicky SK, Mathe N, Butler JL, Hébert TM, Corriveau A, Sharma S.

J Hum Nutr Diet. 2013 Apr;26(2):169-74. doi: 10.1111/jhn.12012. Epub 2012 Nov 28.

[Paricalcitol reduces oxidative stress and inflammation in hemodialysis patients.](#)

Izquierdo MJ, Cavia M, Muñoz P, de Francisco AL, Arias M, Santos J, Abaigar



P.

BMC Nephrol. 2012 Nov 27;13:159. doi: 10.1186/1471-2369-13-159.

[Vitamin D analogs decrease in vitro secretion of RANTES and enhance the effect of budesonide.](#)

Fraczek M, Rostkowska-Nadolska B, Kusmierz D, Zielinska A, Rok J, Sliupkas-Dyrda E, Grzanka A, Krecicki T, Latocha M.

Adv Med Sci. 2012;57(2):290-5. doi: 10.2478/v10039-012-0043-5.

[Vitamin D Receptor Fok-I polymorphism modulates diabetic host response to vitamin D intake: need for a nutrigenetic approach.](#)

Neyestani TR, Djazayeri A, Shab-Bidar S, Eshraghian MR, Kalayi A, Shariátzadeh N, Khalaji N, Zahedirad M, Gharavi A, Houshiarrad A, Chamari M, Asadzadeh S.

Diabetes Care. 2013 Mar;36(3):550-6. doi: 10.2337/dc12-0919. Epub 2012 Nov 16.

[Preoperative vitamin D status of adults undergoing surgical spinal fusion.](#)

Stoker GE, Buchowski JM, Bridwell KH, Lenke LG, Riew KD, Zebala LP.

Spine (Phila Pa 1976). 2013 Mar 15;38(6):507-15. doi: 10.1097/BRS.0b013e3182739ad1.

[Vitamin D levels in Hispanics with multiple sclerosis.](#)

Amezcuca L, Chung RH, Conti DV, Langer-Gould AM.

J Neurol. 2012 Dec;259(12):2565-70. doi: 10.1007/s00415-012-6537-z. Epub 2012 May 16.

[Relation between serum vitamin D level and asthma.](#)

Zaragoza Buxo J, Pérez L, Bredy R.

Bol Asoc Med P R. 2012 Apr-Jun;104(2):12-6.

[Calcitriol protects renovascular function in hypertension by down-regulating angiotensin II type 1 receptors and reducing oxidative stress.](#)

Dong J, Wong SL, Lau CW, Lee HK, Ng CF, Zhang L, Yao X, Chen ZY, Vanhoutte PM, Huang Y.

Eur Heart J. 2012 Dec;33(23):2980-90. doi: 10.1093/eurheartj/ehr459. Epub 2012 Jan 19.

[Vitamin D in childhood cancer: a promising anticancer agent?](#)

Genc DB, Ozkan MA, Buyukgebiz A.

Pediatr Endocrinol Rev. 2013 Jul;10(4):485-93. Review.

[Dietary intake of vitamin D is not enough.](#)

Hemmings V.

Pract Midwife. 2013 Jul-Aug;16(7):16-7, 20.

[Maternal 25-hydroxyvitamin d and preterm birth in twin gestations.](#)

Bodnar LM, Rouse DJ, Momirova V, Peaceman AM, Sciscione A, Spong CY, Varner MW, Malone FD, Iams JD, Mercer BM, Thorp JM Jr, Sorokin Y, Carpenter MW, Lo J, Ramin SM, Harper M; Eunice Kennedy Shriver National



Institute of Child Health and Human Development (NICHD) Maternal-Fetal Medicine Units (MFMU) Network.

Obstet Gynecol. 2013 Jul;122(1):91-8. doi: 10.1097/AOG.0b013e3182941d9a.

[Vitamin D status among individuals attended in Health Home Care Centre, Lalitpur, Nepal.](#)

Shrestha S, Shrestha L, Jha DK.  
Nepal Med Coll J. 2012 Jun;14(2):84-7.

[Vitamin D receptor inhibits nuclear factor  \$\kappa\$ B activation by interacting with I \$\kappa\$ B kinase B protein.](#)

Chen Y, Zhang J, Ge X, Du J, Deb DK, Li YC.  
J Biol Chem. 2013 Jul 5;288(27):19450-8. doi: 10.1074/jbc.M113.467670.  
Epub 2013 May 13.

[Role of vitamin D in children with respiratory tract infection.](#)

Esposito S, Baggi E, Bianchini S, Marchisio P, Principi N.  
Int J Immunopathol Pharmacol. 2013 Jan-Mar;26(1):1-13. Review.

[26- and 27-Methyl groups of 2-substituted, 19-nor-1 \$\alpha\$ ,25-dihydroxylated vitamin D compounds are essential for calcium mobilization in vivo.](#)

Grzywacz P, Plum LA, Clagett-Dame M, DeLuca HF.  
Bioorg Chem. 2013 Apr;47:9-16. doi: 10.1016/j.bioorg.2013.01.001. Epub 2013 Feb 9.

[Associations of serum 25-hydroxyvitamin D with overall and breast cancer-specific mortality in a multiethnic cohort of breast cancer survivors.](#)

Villaseñor A, Ballard-Barbash R, Ambis A, Bernstein L, Baumgartner K, Baumgartner R, Ulrich CM, Hollis BW, McTiernan A, Neuhauser ML.  
Cancer Causes Control. 2013 Apr;24(4):759-67. doi: 10.1007/s10552-013-0158-4. Epub 2013 Jan 30.

[Vitamin D3: an ever green molecule.](#)

Di Rosa M, Malaguarnera L, Nicolosi A, Sanfilippo C, Mazzarino C, Pavone P, Berretta M, Cosentino S, Cacopardo B, Pinzone MR, Nunnari G.  
Front Biosci (Schol Ed). 2013 Jan 1;5:247-60. Review.

[Protective cardiovascular and renal actions of vitamin D and estrogen.](#)

Gangula PR, Dong YL, Al-Hendy A, Richard-Davis G, Montgomery-Rice V, Haddad G, Millis R, Nicholas SB, Moseberry D.  
Front Biosci (Schol Ed). 2013 Jan 1;5:134-48. Review.

[25-hydroxyvitamin D insufficiency is associated with impaired renal endothelial function and both are improved with rosuvastatin treatment.](#)

Ott C, Raff U, Schneider MP, Titze SI, Schmieder RE.  
Clin Res Cardiol. 2013 Apr;102(4):299-304. doi: 10.1007/s00392-012-0534-1.  
Epub 2012 Dec 21.

[Vitamin D status and scholastic achievement in middle age childhood.](#)

Nassar MF, Amin DA, Hamed AI, Nassar JF, Abou-Zeid AE, Attaby MA.  
J Egypt Soc Parasitol. 2012 Aug;42(2):349-58.

[The effect of cholecalciferol and calcitriol on biochemical bone markers in HIV type 1-infected males: results of a clinical trial.](#)

Bang UC, Kolte L, Hitz M, Schierbeck LL, Nielsen SD, Benfield T, Jensen JE.  
AIDS Res Hum Retroviruses. 2013 Apr;29(4):658-64. doi:  
10.1089/AID.2012.0263. Epub 2013 Jan 11.

[1 \$\alpha\$ ,25-dihydroxyvitamin D3 and resolvin D1 retune the balance between amyloid-B phagocytosis and inflammation in Alzheimer's disease patients.](#)

Mizwicki MT, Liu G, Fiala M, Magpantay L, Sayre J, Siani A, Mahanian M, Weitzman R, Hayden EY, Rosenthal MJ, Nemere I, Ringman J, Teplow DB.  
J Alzheimers Dis. 2013 Jan 1;34(1):155-70. doi: 10.3233/JAD-121735.

[Maternal vitamin D status during pregnancy and bone-mineral content in offspring - Authors' reply.](#)

Lawlor DA, Wills AK, Fraser A, Fraser WD, Tobias JH.  
Lancet. 2013 Aug 31;382(9894):767-8. doi: 10.1016/S0140-6736(13)61830-9.  
No abstract available.

[Maternal vitamin D status during pregnancy and bone-mineral content in offspring.](#)

Sugiyama T.  
Lancet. 2013 Aug 31;382(9894):767. doi: 10.1016/S0140-6736(13)61829-2.  
No abstract available.

[Maternal vitamin D status during pregnancy and bone-mineral content in offspring.](#)

Salzer J, Goldsmith D.  
Lancet. 2013 Aug 31;382(9894):766-7. doi: 10.1016/S0140-6736(13)61828-0.  
No abstract available.

[Maternal vitamin D status during pregnancy and bone-mineral content in offspring.](#)

Harvey NC, Javaid MK, Inskip HM, Godfrey KM, Cooper C.  
Lancet. 2013 Aug 31;382(9894):766. doi: 10.1016/S0140-6736(13)61827-9.  
No abstract available.

[Influence of vitamin D status on respiratory infection incidence and immune function during 4 months of winter training in endurance sport athletes.](#)

He CS, Handzlik M, Fraser WD, Muhamad A, Preston H, Richardson A, Gleeson M.  
Exerc Immunol Rev. 2013;19:86-101.

[Vitamin D deficiency in children in Jerusalem: the need for updating the recommendation for supplementation.](#)

Korchia G, Amitai Y, Moshe G, Korchia L, Tenenbaum A, Rosenblum J, Schechter A.

Isr Med Assoc J. 2013 Jul;15(7):333-8.

[Vitamin D and periodontal health in older men.](#)

Alshouibi EN, Kaye EK, Cabral HJ, Leone CW, Garcia RI.  
J Dent Res. 2013 Aug;92(8):689-93. doi: 10.1177/0022034513495239. Epub 2013 Jun 20.

[Is vitamin D supplementation necessary in healthy full-term breastfed infants? A follow-up study of bone mineralization in healthy full-term infants with and without supplemental vitamin D.](#)

Bagnoli F, Casucci M, Toti S, Cecchi S, Iurato C, Coriolani G, Tiezzi M, Vispi L.

Minerva Pediatr. 2013 Jun;65(3):253-60.

[Vitamin D and multiple sclerosis: timing of sampling, treatment and prevention.](#)

Sundström P, Salzer J.

Biomark Med. 2013 Apr;7(2):193-5. doi: 10.2217/bmm.13.10. No abstract available.

[Influence of vitamin D status and vitamin D3 supplementation on genome wide expression of white blood cells: a randomized double-blind clinical trial.](#)

Hosseini-nezhad A, Spira A, Holick MF.

PLoS One. 2013;8(3):e58725. doi: 10.1371/journal.pone.0058725. Epub 2013 Mar 20.

[Total vitamin D assay comparison of the Roche Diagnostics "Vitamin D total" electrochemiluminescence protein binding assay with the Chromsystems HPLC method in a population with both D2 and D3 forms of vitamin D.](#)

Abdel-Wareth L, Haq A, Turner A, Khan S, Salem A, Mustafa F, Hussein N, Pallinalakam F, Grundy L, Patras G, Rajah J.

Nutrients. 2013 Mar 22;5(3):971-80. doi: 10.3390/nu5030971.

[Vitamin D and obesity.](#)

Vanlint S.

Nutrients. 2013 Mar 20;5(3):949-56. doi: 10.3390/nu5030949. Review.

[1,25-Dihydroxyvitamin D3 suppresses TLR8 expression and TLR8-mediated inflammatory responses in monocytes in vitro and experimental autoimmune encephalomyelitis in vivo.](#)

Li B, Baylink DJ, Deb C, Zannetti C, Rajaallah F, Xing W, Walter MH, Lau KH, Qin X.

PLoS One. 2013;8(3):e58808. doi: 10.1371/journal.pone.0058808. Epub 2013 Mar 14.

[The ABC of vitamin D: a qualitative study of the knowledge and attitudes regarding vitamin D deficiency amongst selected population groups.](#)

Bonevski B, Bryant J, Lambert S, Brozek I, Rock V.

Nutrients. 2013 Mar 15;5(3):915-27. doi: 10.3390/nu5030915.

[Pharmacokinetics of high-dose weekly oral vitamin D3 supplementation during the third trimester of pregnancy in Dhaka, Bangladesh.](#)

Roth DE, Al Mahmud A, Raqib R, Akhtar E, Black RE, Baqui AH.  
Nutrients. 2013 Mar 12;5(3):788-810. doi: 10.3390/nu5030788.

[Impact of anesthesia and surgery for congenital heart disease on the vitamin d status of infants and children: a prospective longitudinal study.](#)

McNally JD, Menon K, Chakraborty P, Fisher L, Williams KA, Al-Dirbashi OY, Girolamo T, Maharajh G, Doherty DR.  
Anesthesiology. 2013 Jul;119(1):71-80. doi:  
10.1097/ALN.0b013e31828ce817.

[Hypovitaminosis D in psychogeriatric inpatients.](#)

Lapid MI, Drake MT, Geske JR, Mundis CB, Hegard TL, Kung S, Frye MA.  
J Nutr Health Aging. 2013 Mar;17(3):231-4. doi: 10.1007/s12603-012-0383-7.

[Interleukin-1 family members are enhanced in psoriasis and suppressed by vitamin D and retinoic acid.](#)

Balato A, Schiattarella M, Lembo S, Mattii M, Prevete N, Balato N, Ayala F.  
Arch Dermatol Res. 2013 Apr;305(3):255-62. doi: 10.1007/s00403-013-1327-8. Epub 2013 Feb 24.

[Seasonal changes in vitamin D status among Danish adolescent girls and elderly women: the influence of sun exposure and vitamin D intake.](#)

Andersen R, Brot C, Jakobsen J, Mejbom H, Mølgaard C, Skovgaard LT, Trolle E, Tetens I, Ovesen L.  
Eur J Clin Nutr. 2013 Mar;67(3):270-4. doi: 10.1038/ejcn.2013.3. Epub 2013 Feb 6.

[Vitamin D status in Chinese pregnant women and their newborns in Beijing and their relationships to birth size.](#)

Song SJ, Si S, Liu J, Chen X, Zhou L, Jia G, Liu G, Niu Y, Wu J, Zhang W, Zhang J.  
Public Health Nutr. 2013 Apr;16(4):687-92. doi:  
10.1017/S1368980012003084. Epub 2012 Jul 16.

[Management of nutritional rickets in Indian children: a randomized controlled trial.](#)

Aggarwal V, Seth A, Marwaha RK, Sharma B, Sonkar P, Singh S, Aneja S.  
J Trop Pediatr. 2013 Apr;59(2):127-33. doi: 10.1093/tropej/fms058. Epub 2012 Oct 26.

[Decreased serum vitamin D in idiopathic benign paroxysmal positional vertigo.](#)

Jeong SH, Kim JS, Shin JW, Kim S, Lee H, Lee AY, Kim JM, Jo H, Song J, Ghim Y.  
J Neurol. 2013 Mar;260(3):832-8. doi: 10.1007/s00415-012-6712-2. Epub

2012 Oct 25.

[Bone mineral density and vitamin D status in Parkinson's disease patients.](#)

van den Bos F, Speelman AD, van Nimwegen M, van der Schouw YT, Backx FJ, Bloem BR, Munneke M, Verhaar HJ.

J Neurol. 2013 Mar;260(3):754-60. doi: 10.1007/s00415-012-6697-x. Epub 2012 Oct 9.

[Normal circulating PTH in Saudi healthy individuals with hypovitaminosis D.](#)

Al-Saleh Y, Al-Daghri NM, Alkharfy KM, Al-Attas OS, Alokail MS, Al-Othman A, Sabico S, Chrousos GP.

Horm Metab Res. 2013 Jan;45(1):43-6. doi: 10.1055/s-0032-1323679. Epub 2012 Sep 12.

[Vitamin D status and oxidative stress markers in the elderly with impaired fasting glucose and type 2 diabetes mellitus.](#)

Gradinaru D, Borsa C, Ionescu C, Margina D, Prada GI, Jansen E.

Aging Clin Exp Res. 2012 Dec;24(6):595-602. doi: 10.3275/8591. Epub 2012 Sep 10.

[Gastric dysmotility and low serum vitamin D levels in patients with gastroparesis.](#)

Kedar A, Nikitina Y, Henry OR, Abell KB, Vedanarayanan V, Griswold ME, Subramony C, Abell TL.

Horm Metab Res. 2013 Jan;45(1):47-53. doi: 10.1055/s-0032-1323689. Epub 2012 Sep 6. Erratum in: Horm Metab Res. 2013 Mar;45(3):254. Henry, O R [added].

[Investigation of the relationship between vitamin D and bone mineral density in newly diagnosed multiple sclerosis.](#)

Kirbas A, Kirbas S, Anlar O, Turkyilmaz AK, Cure MC, Efe H.

Acta Neurol Belg. 2013 Mar;113(1):43-7. doi: 10.1007/s13760-012-0123-0. Epub 2012 Aug 16.

[Vitamin D and multiple sclerosis: a critical review and recommendations on treatment.](#)

Faridar A, Eskandari G, Sahraian MA, Minagar A, Azimi A.

Acta Neurol Belg. 2012 Dec;112(4):327-33. doi: 10.1007/s13760-012-0108-z. Epub 2012 Jul 6. Review.

[Oral vitamin D, still a viable treatment option for psoriasis.](#)

Kamangar F, Koo J, Heller M, Lee E, Bhutani T.

J Dermatolog Treat. 2013 Aug;24(4):261-7. doi: 10.3109/09546634.2011.643219. Epub 2012 Jan 21. Review.

[Compliance with the HSE policy on vitamin D supplementation for infants.](#)

McSwiney E, Moran P, Garvey A, Quet J, Kelly T, Watson M, Kiely M, Hourihane J.

Ir Med J. 2013 Mar;106(3):93. No abstract available.

[Maternal serum 25-hydroxyvitamin D and placental vascular pathology in a multicenter US cohort.](#)

Gernand AD, Bodnar LM, Klebanoff MA, Parks WT, Simhan HN.  
Am J Clin Nutr. 2013 Aug;98(2):383-8. doi: 10.3945/ajcn.112.055426. Epub 2013 Jun 26.

[Randomized controlled trial of the effects of vitamin D-fortified milk and bread on serum 25-hydroxyvitamin D concentrations in families in Denmark during winter: the VitmaD study.](#)

Madsen KH, Rasmussen LB, Andersen R, Mølgaard C, Jakobsen J, Bjerrum PJ, Andersen EW, Mejborn H, Tetens I.  
Am J Clin Nutr. 2013 Aug;98(2):374-82. doi: 10.3945/ajcn.113.059469.

[FGF23 modifies the relationship between vitamin D and cardiac remodeling.](#)

Ky B, Shults J, Keane MG, Sutton MS, Wolf M, Feldman HI, Reese PP, Anderson CA, Townsend RR, Deo R, Lo J, Gadegbeku C, Carlow D, Sulik MJ, Leonard MB; CRIC Study Investigators.  
Circ Heart Fail. 2013 Jul;6(4):817-24. doi: 10.1161/CIRCHEARTFAILURE.112.000105. Epub 2013 Jun 7.

[Vitamin D, bone mineral density and body mass index in eating disorder patients.](#)

Velickovic KM, Makovey J, Abraham SF.  
Eat Behav. 2013 Apr;14(2):124-7. doi: 10.1016/j.eatbeh.2013.01.010. Epub 2013 Feb 13.

[Total 25-hydroxyvitamin D determination by an entry level triple quadrupole instrument: comparison between two commercial kits.](#)

Gervasoni J, Cocci A, Zuppi C, Persichilli S.  
Biomed Res Int. 2013;2013:270426. doi: 10.1155/2013/270426. Epub 2013 Feb 28.

[Make vitamin D while the sun shines, take supplements when it doesn't: a longitudinal, observational study of older adults in Tasmania, Australia.](#)

Pittaway JK, Ahuja KD, Beckett JM, Bird ML, Robertson IK, Ball MJ.  
PLoS One. 2013;8(3):e59063. doi: 10.1371/journal.pone.0059063. Epub 2013 Mar 18.

[Plasma 25-hydroxyvitamin D and the risk of breast cancer in the European prospective investigation into cancer and nutrition: a nested case-control study.](#)

Kühn T, Kaaks R, Becker S, Eomoi PP, Clavel-Chapelon F, Kvaskoff M, Dossus L, Tjønneland A, Olsen A, Overvad K, Chang-Claude J, Lukanova A, Buijsse B, Boeing H, Trichopoulou A, Lagiou P, Bamia C, Masala G, Krogh V, Sacerdote C, Tumino R, Mattiello A, Buckland G, Sánchez MJ, Menéndez V, Chirlaque MD, Barricarte A, Bueno-de-Mesquita HB, van Duijnhoven FJ, van Gils CH, Bakker MF, Weiderpass E, Skeie G, Brustad M, Andersson A, Sund M, Wareham N, Khaw KT, Travis RC, Schmidt JA, Rinaldi S, Romieu I, Gallo V, Murphy N, Riboli E, Linseisen J.  
Int J Cancer. 2013 Oct 1;133(7):1689-700. doi: 10.1002/ijc.28172. Epub 2013

Apr 22.

[Current daily glucocorticoid use and serum creatinine levels are associated with lower 25\(OH\) vitamin D levels in Thai patients with systemic lupus erythematosus.](#)

Chaiamnuay S, Chailurkit LO, Narongroeknawin P, Asavatanabodee P, Laohajaroensombat S, Chaiamnuay P.  
J Clin Rheumatol. 2013 Apr;19(3):121-5. doi:  
10.1097/RHU.0b013e318289bd16.

[Association between serum 25-hydroxyvitamin d levels, bone geometry, and bone mineral density in healthy older adults.](#)

Mosele M, Coin A, Manzato E, Sarti S, Berton L, Bolzetta F, Imoscopi A, Rinaldi G, Perissinotto E, Sergi G.  
J Gerontol A Biol Sci Med Sci. 2013 Aug;68(8):992-8. doi:  
10.1093/gerona/glt008. Epub 2013 Mar 4.

[Modelling vitamin D status due to oral intake and sun exposure in an adult British population.](#)

Diffey BL.  
Br J Nutr. 2013 Aug 28;110(3):569-77. doi: 10.1017/S0007114512005466.  
Epub 2013 Jan 23.

[Vitamin D signaling in osteocytes: effects on bone and mineral homeostasis.](#)

Lieben L, Carmeliet G.  
Bone. 2013 Jun;54(2):237-43. doi: 10.1016/j.bone.2012.10.007. Epub 2012 Oct 13. Review.

[Significant perturbation of vitamin D-parathyroid-calcium axis and adverse clinical outcomes in critically ill patients.](#)

Nair P, Lee P, Reynolds C, Nguyen ND, Myburgh J, Eisman JA, Center JR.  
Intensive Care Med. 2013 Feb;39(2):267-74. doi: 10.1007/s00134-012-2713-y. Epub 2012 Oct 13.

[Low levels of 25-hydroxyvitamin D before allogeneic hematopoietic SCT correlate with the development of chronic GVHD.](#)

Glantzbecker B, Ho VT, Aldridge J, Kim HT, Horowitz G, Ritz J, Soiffer R, Avigan D, Rosenblatt J.  
Bone Marrow Transplant. 2013 Apr;48(4):593-7. doi: 10.1038/bmt.2012.177. Epub 2012 Sep 24.

[Vitamin D levels and insulin resistance in children born with severe growth restriction.](#)

Giapros VI, Challa AS, Cholevas VL, Evagelidou EN, Bairaktari ET, Andronikou SK.  
Horm Metab Res. 2013 Mar;45(3):226-30. doi: 10.1055/s-0032-1323815. Epub 2012 Sep 18.

[The relationship between obesity and the increase in serum 25\(OH\)D levels in response to vitamin D supplementation.](#)

Saliba W, Barnett-Griness O, Rennert G.  
Osteoporos Int. 2013 Apr;24(4):1447-54. doi: 10.1007/s00198-012-2129-0.  
Epub 2012 Sep 7.

[Vitamin D concentration and deficiency across different ages and genders.](#)

Lippi G, Montagnana M, Meschi T, Borghi L.  
Aging Clin Exp Res. 2012 Oct;24(5):548-51. doi: 10.3275/8263. Epub 2012  
Feb 6.

## Vitamin E

[Vitamin E and its clinical challenges in cosmetic and reconstructive medicine with focus on scars; a review.](#)

Rahmani N, Hashemi SA, Ehteshami S.  
J Pak Med Assoc. 2013 Mar;63(3):380-2. Review.

[Patient selection and vitamin E treatment in diabetes mellitus.](#)

Goldenstein H, Levy NS, Lipener YT, Levy AP.  
Expert Rev Cardiovasc Ther. 2013 Mar;11(3):319-26. doi:  
10.1586/erc.12.187. Review.

[Low plasma  \$\alpha\$ -tocopherol concentrations and adverse clinical outcomes in diabetic hemodialysis patients.](#)

Espe KM, Raila J, Henze A, Blouin K, Schneider A, Schmiedeke D, Krane V, Pils S, Schweigert FJ, Hoher B, Wanner C, Drechsler C; German Diabetes and Dialysis Study Investigators.  
Clin J Am Soc Nephrol. 2013 Mar;8(3):452-8. doi: 10.2215/CJN.04880511.  
Epub 2013 Jan 18.

[New strategy of  \$\alpha\$ - and  \$\gamma\$ -tocopherol to prevent contrast-induced acute kidney injury in chronic kidney disease patients undergoing elective coronary procedures.](#)

Tasanarong A, Vohakiat A, Hutayanon P, Piyayotai D.  
Nephrol Dial Transplant. 2013 Feb;28(2):337-44. doi: 10.1093/ndt/gfs525.  
Epub 2013 Jan 12.

[Wear, bone density, functional outcome and survival in vitamin E-incorporated polyethylene cups in reversed hybrid total hip arthroplasty: design of a randomized controlled trial.](#)

van der Veen HC, van den Akker-Scheek I, Bulstra SK, van Raay JJ.  
BMC Musculoskelet Disord. 2012 Sep 20;13:178. doi: 10.1186/1471-2474-13-178.

[Effects of polymorphisms in vitamin E-, vitamin C-, and glutathione peroxidase-related genes on serum biomarkers and associations with glaucoma.](#)

Zanon-Moreno V, Asensio-Marquez EM, Ciancotti-Oliver L, Garcia-Medina JJ, Sanz P, Ortega-Azorin C, Pinazo-Duran MD, Ordovás JM, Corella D.



Mol Vis. 2013;19:231-42. Epub 2013 Feb 3.

[The effect of vitamin E on plasmatic malondialdehyde levels during surgical removal of ovarian and endometrial carcinomas.](#)

Matejcková J, Samec M, Samcová E, Rokyta R, Tůma P.  
Eur J Gynaecol Oncol. 2013;34(4):329-31.

[Bioavailability of vitamin E in humans: an update.](#)

Borel P, Preveraud D, Desmarchelier C.  
Nutr Rev. 2013 Jun;71(6):319-31. doi: 10.1111/nure.12026. Epub 2013 Apr 24. Review.

[Associations of depressive symptoms with serum proportions of palmitic and arachidonic acids, and  \$\alpha\$ -tocopherol effects among male population--a preliminary study.](#)

Tsuboi H, Watanabe M, Kobayashi F, Kimura K, Kinae N.  
Clin Nutr. 2013 Apr;32(2):289-93. doi: 10.1016/j.clnu.2012.07.011. Epub 2012 Aug 5.

## Vitamin K

[Association between circulating vitamin K1 and coronary calcium progression in community-dwelling adults: the Multi-Ethnic Study of Atherosclerosis.](#)

Shea MK, Booth SL, Miller ME, Burke GL, Chen H, Cushman M, Tracy RP, Kritchevsky SB.  
Am J Clin Nutr. 2013 Jul;98(1):197-208. doi: 10.3945/ajcn.112.056101. Epub 2013 May 29.

[Menadione.](#)

Hassan GS.  
Profiles Drug Subst Excip Relat Methodol. 2013;38:227-313. doi: 10.1016/B978-0-12-407691-4.00006-X. Review.

[Treatment with vitamin K in hip fracture patients receiving warfarin.](#)

Tal A, Rubin G, Rozen N.  
Isr Med Assoc J. 2013 Jul;15(7):348-51.

[Circulating matrix Gla protein is associated with coronary artery calcification and vitamin K status in healthy women.](#)

Dalmeijer GW, van der Schouw YT, Vermeer C, Magdeleyns EJ, Schurgers LJ, Beulens JW.  
J Nutr Biochem. 2013 Apr;24(4):624-8. doi: 10.1016/j.jnutbio.2012.02.012. Epub 2012 Jul 20.

## Multivitamins

[Recent advances in transport of water-soluble vitamins in organs of the digestive system: a focus on the colon and the pancreas.](#)

Said HM.

Am J Physiol Gastrointest Liver Physiol. 2013 Aug 29. [Epub ahead of print]

[Vitamin-induced intracellular electrons are the mechanism for their well-known beneficial effects: a review.](#)

Getoff N.

Nutrition. 2013 Apr;29(4):597-604. doi: 10.1016/j.nut.2012.09.012. Epub 2013 Jan 8. Review.

[One year B and D vitamins supplementation improves metabolic bone markers.](#)

Herrmann W, Kirsch SH, Kruse V, Eckert R, Gräber S, Geisel J, Obeid R. Clin Chem Lab Med. 2013 Mar 1;51(3):639-47. doi: 10.1515/cclm-2012-0599.

[Vitamin and mineral supplementation of term infants: are they necessary?](#)

Lubetzky R, Mandel D, Mimouni FB.

World Rev Nutr Diet. 2013;108:79-85. doi: 10.1159/000351489. Epub 2013 Sep 6.

[Glaucoma and vitamins A, C, and E supplement intake and serum levels in a population-based sample of the United States.](#)

Wang SY, Singh K, Lin SC.

Eye (Lond). 2013 Apr;27(4):487-94. doi: 10.1038/eye.2013.10. Epub 2013 Feb 22.

[Nutritional requirements in pregnancy and use of dietary supplements.](#)

Williamson C, Wyness L.

Community Pract. 2013 Aug;86(8):44-7.

[\[Nutrient supplements--possibilities and limitations: part 2\].](#)

Ströhle A, Wolters M, Hahn A.

Med Monatsschr Pharm. 2013 Jul;36(7):252-66; quiz 267-8. Review. German.

[Vitamin supplements and mortality in older people.](#)

Hemilä H.

Am J Clin Nutr. 2013 Aug;98(2):502. doi: 10.3945/ajcn.113.064204. No abstract available.

[A qualitative study of uptake of free vitamins in England.](#)

Jessiman T, Cameron A, Wiggins M, Lucas PJ.

Arch Dis Child. 2013 Aug;98(8):587-91. doi: 10.1136/archdischild-2013-303838. Epub 2013 May 23.

[Dietary supplementation of high-performance Korean and Japanese judoists.](#)

Kim J, Lee N, Lee J, Jung SS, Kang SK, Yoon JD.

Int J Sport Nutr Exerc Metab. 2013 Apr;23(2):119-27. Epub 2012 Sep 19.

## Carotenoids

[\[Is lutein supplementation inefficacious? Consideration of the scientific opinion on lutein and maintenance of vision and legal classification\].](#)

Jakobs S, Skarupinski P.

Klin Monbl Augenheilkd. 2013 Feb;230(2):157-62. doi: 10.1055/s-0032-1328028. Epub 2013 Jan 20. German.

[Serum response to supplemental macular carotenoids in subjects with and without age-related macular degeneration.](#)

Meagher KA, Thurnham DI, Beatty S, Howard AN, Connolly E, Cummins W, Nolan JM.

Br J Nutr. 2013 Jul 28;110(2):289-300. doi: 10.1017/S0007114512004837. Epub 2012 Dec 5.

[The effects of daily consumption of  \$\beta\$ -cryptoxanthin-rich tangerines and  \$\beta\$ -carotene-rich sweet potatoes on vitamin A and carotenoid concentrations in plasma and breast milk of Bangladeshi women with low vitamin A status in a randomized controlled trial.](#)

Turner T, Burri BJ, Jamil KM, Jamil M.

Am J Clin Nutr. 2013 Sep 4. [Epub ahead of print]

[Serenoa Repens, lycopene and selenium: a triple therapeutic approach to manage benign prostatic hyperplasia.](#)

Minutoli L, Bitto A, Squadrito F, Marini H, Irrera N, Morgia G, Passantino A, Altavilla D.

Curr Med Chem. 2013;20(10):1306-12. Review.

[Carotenoid intake and risk of colorectal adenomas in a cohort of male health professionals.](#)

Jung S, Wu K, Giovannucci E, Spiegelman D, Willett WC, Smith-Warner SA. Cancer Causes Control. 2013 Apr;24(4):705-17. doi: 10.1007/s10552-013-0151-y. Epub 2013 Feb 1.

[The role of tomato products and lycopene in the prevention of gastric cancer: a meta-analysis of epidemiologic studies.](#)

Yang T, Yang X, Wang X, Wang Y, Song Z.

Med Hypotheses. 2013 Apr;80(4):383-8. doi: 10.1016/j.mehy.2013.01.005. Epub 2013 Jan 24.

[Effects of lutein supplement on serum inflammatory cytokines, ApoE and lipid profiles in early atherosclerosis population.](#)

Xu XR, Zou ZY, Xiao X, Huang YM, Wang X, Lin XM.

J Atheroscler Thromb. 2013 Feb 22;20(2):170-7. Epub 2012 Nov 15.

[The effect of a Mediterranean diet model on serum beta-carotene concentration. A preliminary assessment.](#)

Witkowska A, Zujko ME, Mirończuk-Chodakowska I.

Rocz Panstw Zakl Hig. 2013;64(2):123-7.

[The relationship between lutein and zeaxanthin status and body fat.](#)

Bovier ER, Lewis RD, Hammond BR Jr.  
Nutrients. 2013 Mar 8;5(3):750-7. doi: 10.3390/nu5030750.

[Effects of lutein and docosahexaenoic Acid supplementation on macular pigment optical density in a randomized controlled trial.](#)

García-Layana A, Recalde S, Alamán AS, Robredo PF.  
Nutrients. 2013 Feb 15;5(2):543-51. doi: 10.3390/nu5020543.

[Lutein supplementation reduces plasma lipid peroxidation and C-reactive protein in healthy nonsmokers.](#)

Wang MX, Jiao JH, Li ZY, Liu RR, Shi Q, Ma L.  
Atherosclerosis. 2013 Apr;227(2):380-5. doi:  
10.1016/j.atherosclerosis.2013.01.021. Epub 2013 Jan 29.

[\$\beta\$ , \$\beta\$ -carotene 15,15'-monooxygenase and its substrate  \$\beta\$ -carotene modulate migration and invasion in colorectal carcinoma cells.](#)

Pham DN, Leclerc D, Lévesque N, Deng L, Rozen R.  
Am J Clin Nutr. 2013 Aug;98(2):413-22. doi: 10.3945/ajcn.113.060996. Epub 2013 Jun 26.

[Metabolomic profile of response to supplementation with  \$\beta\$ -carotene in the Alpha-Tocopherol, Beta-Carotene Cancer Prevention Study.](#)

Mondul AM, Sampson JN, Moore SC, Weinstein SJ, Evans AM, Karoly ED, Virtamo J, Albanes D.  
Am J Clin Nutr. 2013 Aug;98(2):488-93. doi: 10.3945/ajcn.113.062778. Epub 2013 Jun 26.

[Relationship of lycopene intake and consumption of tomato products to incident CVD.](#)

Jacques PF, Lyass A, Massaro JM, Vasan RS, D'Agostino RB Sr.  
Br J Nutr. 2013 Aug 28;110(3):545-51. doi: 10.1017/S0007114512005417.  
Epub 2013 Jan 15.

## **Polyphenols**

[Nutrition and Healthy Ageing: Calorie Restriction or Polyphenol-Rich "Mediterranean" Diet?](#)

Pallauf K, Giller K, Huebbe P, Rimbach G.  
Oxid Med Cell Longev. 2013;2013:707421. Epub 2013 Aug 28. Review.

[Effects of red wine polyphenols and alcohol on glucose metabolism and the lipid profile: a randomized clinical trial.](#)

Chiva-Blanch G, Urpi-Sarda M, Ros E, Valderas-Martinez P, Casas R, Arranz S, Guillén M, Lamuela-Raventós RM, Llorach R, Andres-Lacueva C, Estruch R.  
Clin Nutr. 2013 Apr;32(2):200-6. doi: 10.1016/j.clnu.2012.08.022. Epub 2012 Sep 3.

## Carnitine

### [A systematic review and meta-analysis of propionyl-L-carnitine effects on exercise performance in patients with claudication.](#)

Brass EP, Koster D, Hiatt WR, Amato A.

Vasc Med. 2013 Feb;18(1):3-12. doi: 10.1177/1358863X12467491. Epub 2013 Jan 15. Review.

### [Plasma carnitine concentrations after chronic alcohol intoxication.](#)

Kępa A, Waszkiewicz N, Zalewska-Szajda B, Chojnowska S, Płudowski P, Konarzewska E, Szulc A, Ladny JR, Zwierz K, Szajda SD.

Postepy Hig Med Dosw (Online). 2013 May 31;67:548-52.

### [Randomized double-blind placebo-controlled trial of acetyl-L-carnitine for the prevention of taxane-induced neuropathy in women undergoing adjuvant breast cancer therapy.](#)

Hershman DL, Unger JM, Crew KD, Minasian LM, Awad D, Moinpour CM, Hansen L, Lew DL, Greenlee H, Fehrenbacher L, Wade JL 3rd, Wong SF, Hortobagyi GN, Meyskens FL, Albain KS.

J Clin Oncol. 2013 Jul 10;31(20):2627-33. doi: 10.1200/JCO.2012.44.8738. Epub 2013 Jun 3.

### [Acylcarnitine esters profiling of serum and follicular fluid in patients undergoing in vitro fertilization.](#)

Várnagy A, Bene J, Sulyok E, Kovács GL, Bódis J, Melegh B.

Reprod Biol Endocrinol. 2013 Jul 17;11:67. doi: 10.1186/1477-7827-11-67.

### [Primary carnitine deficiency and pivalic acid exposure causing encephalopathy and fatal cardiac events.](#)

Rasmussen J, Nielsen OW, Lund AM, Køber L, Djurhuus H.

J Inher Metab Dis. 2013 Jan;36(1):35-41. doi: 10.1007/s10545-012-9488-8. Epub 2012 May 8.

## Inositol

### [Endocrine and clinical effects of myo-inositol administration in polycystic ovary syndrome. A randomized study.](#)

Artini PG, Di Bernardino OM, Papini F, Genazzani AD, Simi G, Ruggiero M, Cela V.

Gynecol Endocrinol. 2013 Apr;29(4):375-9. doi: 10.3109/09513590.2012.743020. Epub 2013 Jan 22.

## CoQ10

### [Coenzyme Q\(10\) and selenium in statin-associated myopathy treatment.](#)

Fedacko J, Pella D, Fedackova P, Hänninen O, Tuomainen P, Jarcuska P, Lopuchovsky T, Jedlickova L, Merkovska L, Littarru GP.

Can J Physiol Pharmacol. 2013 Feb;91(2):165-70. doi: 10.1139/cjpp-2012-

0118. Epub 2013 Feb 25.

[Co-enzyme Q10 and idebenone use in Friedreich's ataxia.](#)

Parkinson MH, Schulz JB, Giunti P.

J Neurochem. 2013 Aug;126 Suppl 1:125-41. doi: 10.1111/jnc.12322.

Review.

[Human neuronal coenzyme Q10 deficiency results in global loss of mitochondrial respiratory chain activity, increased mitochondrial oxidative stress and reversal of ATP synthase activity: implications for pathogenesis and treatment.](#)

Duberley KE, Abramov AY, Chalasani A, Heales SJ, Rahman S, Hargreaves IP.

J Inher Metab Dis. 2013 Jan;36(1):63-73. doi: 10.1007/s10545-012-9511-0.

Epub 2012 Jul 6.

### Lipoic acid

[Effect of transdermal testosterone or alpha-lipoic acid on erectile dysfunction and quality of life in patients with type 2 diabetes mellitus.](#)

Mitkov MD, Aleksandrova IY, Orbetzova MM.

Folia Med (Plovdiv). 2013 Jan-Mar;55(1):55-63.

[\$\alpha\$ -Lipoic acid attenuates coxsackievirus B3-induced ectopic calcification in heart, pancreas, and lung.](#)

Kim HS, Shin HI, Lim HS, Lee TY, Lee K, Jeong D.

Biochem Biophys Res Commun. 2013 Mar 8;432(2):378-83. doi:

10.1016/j.bbrc.2013.01.061. Epub 2013 Jan 26.

### Minerals

[A complete diet-based algorithm for predicting nonheme iron absorption in adults.](#)

Armah SM, Carriquiry A, Sullivan D, Cook JD, Reddy MB.

J Nutr. 2013 Jul;143(7):1136-40. doi: 10.3945/jn.112.169904. Epub 2013 May

22.

[Selenium and topiramate attenuates blood oxidative toxicity in patients with epilepsy: a clinical pilot study.](#)

Yürekli VA, Nazıroğlu M.

Biol Trace Elem Res. 2013 May;152(2):180-6. doi: 10.1007/s12011-013-9616-

9. Epub 2013 Feb 8.

### Miscellaneous

[Nutrient reference values for bioactives: new approaches needed? A conference report.](#)

Biesalski HK, Erdman JW Jr, Hathcock J, Ellwood K, Beatty S, Johnson E,

Marchioli R, Lauritzen L, Rice HB, Shao A, Griffiths JC.  
Eur J Nutr. 2013 Apr;52 Suppl 1:1-9. doi: 10.1007/s00394-013-0503-0.

[Effects of widely used drugs on micronutrients: a story rarely told.](#)

Samaras D, Samaras N, Lang PO, Genton L, Frangos E, Pichard C.  
Nutrition. 2013 Apr;29(4):605-10. doi: 10.1016/j.nut.2012.11.011. Review.

[Epigenetic consequences of a changing human diet.](#)

Haggarty P.  
Proc Nutr Soc. 2013 Sep 13:1-9. [Epub ahead of print]

[Brain imaging and human nutrition: which measures to use in intervention studies?](#)

Sizonenko SV, Babiloni C, Sijben JW, Walhovd KB.  
Adv Nutr. 2013 Sep 1;4(5):554-6. doi: 10.3945/an.113.004283.

[Maternal and child undernutrition and overweight in low-income and middle-income countries.](#)

Black RE, Victora CG, Walker SP, Bhutta ZA, Christian P, de Onis M, Ezzati M, Grantham-McGregor S, Katz J, Martorell R, Uauy R; Maternal and Child Nutrition Study Group.  
Lancet. 2013 Aug 3;382(9890):427-51. doi: 10.1016/S0140-6736(13)60937-X. Epub 2013 Jun 6. Review. Erratum in: Lancet. 2013. 2013 Aug 3;382(9890):396.

[Relative validity of a 3 d estimated food record in German toddlers.](#)

Cheng G, Hilbig A, Drossard C, Alexy U, Kersting M.  
Public Health Nutr. 2013 Apr;16(4):645-52. doi: 10.1017/S1368980012003230. Epub 2012 Jul 5.

[Fruit and vegetable intakes are associated with lower risk of bladder cancer among women in the Multiethnic Cohort Study.](#)

Park SY, Ollberding NJ, Woolcott CG, Wilkens LR, Henderson BE, Kolonel LN.  
J Nutr. 2013 Aug;143(8):1283-92. doi: 10.3945/jn.113.174920. Epub 2013 Jun 5.

## PUFAs

[Omega-3 fatty acid supplementation in adolescents with borderline personality disorder and ultra-high risk criteria for psychosis: a post hoc subgroup analysis of a double-blind, randomized controlled trial.](#)

Amminger GP, Chanen AM, Ohmann S, Klier CM, Mossaheb N, Bechdolf A, Nelson B, Thompson A, McGorry PD, Yung AR, Schäfer MR.  
Can J Psychiatry. 2013 Jul;58(7):402-8.

[Effects of omega-3 polyunsaturated fatty acid supplementation on serum fetuin-A levels in type 2 diabetic patients.](#)

Ozyazgan S, Karaoglu K, Kurt A, Altinok A, Konukoglu D, Osar Siva Z, Andican G.

Minerva Med. 2013 Jun;104(3):287-93.

[Different fatty acid pattern in breast milk of obese compared to normal-weight mothers.](#)

Storck Lindholm E, Strandvik B, Altman D, Möller A, Palme Kilander C. Prostaglandins Leukot Essent Fatty Acids. 2013 Mar;88(3):211-7. doi: 10.1016/j.plefa.2012.11.007. Epub 2012 Dec 27.

[The association of red blood cell n-3 and n-6 fatty acids with bone mineral density and hip fracture risk in the women's health initiative.](#)

Orchard TS, Ing SW, Lu B, Belury MA, Johnson K, Wactawski-Wende J, Jackson RD.

J Bone Miner Res. 2013 Mar;28(3):505-15. doi: 10.1002/jbmr.1772.

[Effects of docosahexaenoic acid and methylmercury on child's brain development due to consumption of fish by Finnish mother during pregnancy: a probabilistic modeling approach.](#)

Leino O, Karjalainen AK, Tuomisto JT.

Food Chem Toxicol. 2013 Apr;54:50-8. doi: 10.1016/j.fct.2011.06.052. Epub 2011 Jun 23.

[Intake of fish and marine n-3 polyunsaturated fatty acids and risk of breast cancer: meta-analysis of data from 21 independent prospective cohort studies.](#)

Zheng JS, Hu XJ, Zhao YM, Yang J, Li D.

BMJ. 2013 Jun 27;346:f3706. doi: 10.1136/bmj.f3706. Review.

[N-3 polyunsaturated fatty acids: relationship to inflammation in healthy adults and adults exhibiting features of metabolic syndrome.](#)

Robinson LE, Mazurak VC.

Lipids. 2013 Apr;48(4):319-32. doi: 10.1007/s11745-013-3774-6. Epub 2013 Mar 1. Review.

[N-3 fatty acids for hypertriglyceridemia in patients taking second-generation antipsychotics.](#)

Fetter JC, Brunette M, Green AI.

Clin Schizophr Relat Psychoses. 2013 Summer;7(2):73-77A. doi: 10.3371/CSRP.FEBR.012513.

[Omega-3 and omega-6 fatty acids and type 2 diabetes.](#)

Jeppesen C, Schiller K, Schulze MB.

Curr Diab Rep. 2013 Apr;13(2):279-88. doi: 10.1007/s11892-012-0362-8. Review.

[Omega-3 long-chain fatty acids strongly induce angiopoietin-like 4 in humans.](#)

Brands M, Sauerwein HP, Ackermans MT, Kersten S, Serlie MJ.

J Lipid Res. 2013 Mar;54(3):615-21. doi: 10.1194/jlr.M030049. Epub 2013 Jan 14.



[Polyunsaturated fatty acids in multiple sclerosis therapy.](#)

Wergeland S, Torkildsen Ø, Bø L, Myhr KM.  
Acta Neurol Scand Suppl. 2012;(195):70-5. doi: 10.1111/ane.12034.

[Dietary fatty acids and cardiovascular disease.](#)

Salter AM.  
Animal. 2013 Mar;7 Suppl 1:163-71. doi: 10.1017/S1751731111002023. Epub 2011 Nov 11. Review.

[The essentials of essential fatty acids.](#)

Di Pasquale MG.  
J Diet Suppl. 2009;6(2):143-61. doi: 10.1080/19390210902861841.

[Fat content and fatty acid compositions of 34 marine water fish species from the Mediterranean Sea.](#)

Ozogul Y, Ozogul F, Çiçek E, Polat A, Kuley E.  
Int J Food Sci Nutr. 2009 Sep;60(6):464-75. doi: 10.1080/09637480701838175.

[Seasonal comparison of wild and farmed brown trout \(\*Salmo trutta forma fario L., 1758\*\): crude lipid, gonadosomatic index and fattyacids.](#)

Kaya Y, Erdem ME.  
Int J Food Sci Nutr. 2009 Aug;60(5):413-23. doi: 10.1080/09637480701777886.

[N-3 polyunsaturated fatty acids to prevent atrial fibrillation: updated systematic review and meta-analysis of randomized controlled trials.](#)

Mariani J, Doval HC, Nul D, Varini S, Grancelli H, Ferrante D, Tognoni G, Macchia A.  
J Am Heart Assoc. 2013 Feb 19;2(1):e005033. doi: 10.1161/JAHA.112.005033. Review.

[Antipsychotic-induced dyslipidemia treated with omega 3 fatty acid supplement in an 11-year-old psychotic child: a 1-year follow-up.](#)

Pisano S, Gritti A, Catone G, Pascotto A.  
J Child Adolesc Psychopharmacol. 2013 Mar;23(2):139-41. doi: 10.1089/cap.2012.0060. Epub 2013 Mar 12. No abstract available.

[Prior supplementation with long chain omega-3 polyunsaturated fatty acids promotes weight loss in obese adults: a double-blinded randomised controlled trial.](#)

Munro IA, Garg ML.  
Food Funct. 2013 Apr 25;4(4):650-8. doi: 10.1039/c3fo60038f. Epub 2013 Feb 11.

[Gender differences in the long-chain polyunsaturated fatty acid status: systematic review of 51 publications.](#)

Lohner S, Fekete K, Marosvölgyi T, Decsi T.  
Ann Nutr Metab. 2013;62(2):98-112. doi: 10.1159/000345599. Epub 2013 Jan

## 11. Review.

[DHA supplementation: current implications in pregnancy and childhood.](#)

Rogers LK, Valentine CJ, Keim SA.

Pharmacol Res. 2013 Apr;70(1):13-9. doi: 10.1016/j.phrs.2012.12.003. Epub 2012 Dec 21. Review.

[Association of fatty acid composition in serum phospholipids with metabolic syndrome and arterial stiffness.](#)

Kim OY, Lim HH, Lee MJ, Kim JY, Lee JH.

Nutr Metab Cardiovasc Dis. 2013 Apr;23(4):366-74. doi: 10.1016/j.numecd.2011.06.006. Epub 2011 Sep 15.

[Current evidence for the clinical use of long-chain polyunsaturated n-3 fatty acids to prevent age-related cognitive decline and Alzheimer's disease.](#)

Dacks PA, Shineman DW, Fillit HM.

J Nutr Health Aging. 2013 Mar;17(3):240-51. doi: 10.1007/s12603-012-0431-3.

[Effects of lutein and docosahexaenoic Acid supplementation on macular pigment optical density in a randomized controlled trial.](#)

García-Layana A, Recalde S, Alamán AS, Robredo PF.

Nutrients. 2013 Feb 15;5(2):543-51. doi: 10.3390/nu5020543.

[Effect of dietary intervention to reduce the n-6/n-3 fatty acid ratio on maternal and fetal fatty acid profile and its relation to offspring growth and body composition at 1 year of age.](#)

Much D, Brunner S, Vollhardt C, Schmid D, Sedlmeier EM, Brüderl M, Heimberg E, Bartke N, Boehm G, Bader BL, Amann-Gassner U, Hauner H.

Eur J Clin Nutr. 2013 Mar;67(3):282-8. doi: 10.1038/ejcn.2013.2. Epub 2013 Jan 23.

[The role of marine n-3 fatty acids in improving cardiovascular health: a review.](#)

Nicholson T, Khademi H, Moghadasian MH.

Food Funct. 2013 Feb 26;4(3):357-65. doi: 10.1039/c2fo30235g. Epub 2013 Jan 16. Review.

[Platelet redox balance in diabetic patients with hypertension improved by n-3 fatty acids.](#)

McDonald DM, O'Kane F, McConville M, Devine AB, McVeigh GE.

Diabetes Care. 2013 Apr;36(4):998-1005. doi: 10.2337/dc12-0304. Epub 2012 Dec 13.

[Consumption of stearidonic acid-rich oil in foods increases red blood cell eicosapentaenoic acid.](#)

Lemke SL, Maki KC, Hughes G, Taylor ML, Krul ES, Goldstein DA, Su H, Rains TM, Mukherjea R.

J Acad Nutr Diet. 2013 Aug;113(8):1044-56. doi:

10.1016/j.jand.2013.04.020.

[trans Isomeric fatty acids are inversely related to the availability of long-chain PUFAs in the perinatal period.](#)

Decsi T, Boehm G.

Am J Clin Nutr. 2013 Aug;98(2):543S-8S. doi: 10.3945/ajcn.112.039156.

Epub 2013 Jul 3.

[The role of dietary fatty acids for early human adipose tissue growth.](#)

Hauner H, Brunner S, Amann-Gassner U.

Am J Clin Nutr. 2013 Aug;98(2):549S-55S. doi: 10.3945/ajcn.112.040733.

Review.

[A case-control study between gene polymorphisms of polyunsaturated fatty acid metabolic rate-limiting enzymes and acute coronary syndrome in Chinese Han population.](#)

Song Z, Cao H, Qin L, Jiang Y.

Biomed Res Int. 2013;2013:928178. doi: 10.1155/2013/928178. Epub 2013

Feb 28.

[Postprandial metabolism of docosapentaenoic acid \(DPA, 22:5n-3\) and eicosapentaenoic acid \(EPA, 20:5n-3\) in humans.](#)

Linderborg KM, Kaur G, Miller E, Meikle PJ, Larsen AE, Weir JM, Nuora A, Barlow CK, Kallio HP, Cameron-Smith D, Sinclair AJ.

Prostaglandins Leukot Essent Fatty Acids. 2013 Apr;88(4):313-9. doi: 10.1016/j.plefa.2013.01.010. Epub 2013 Feb 21.

[Erythrocyte omega-3 fatty acids increase and linoleic acid decreases with age: observations from 160,000 patients.](#)

Harris WS, Pottala JV, Varvel SA, Borowski JJ, Ward JN, McConnell JP.

Prostaglandins Leukot Essent Fatty Acids. 2013 Apr;88(4):257-63. doi: 10.1016/j.plefa.2012.12.004. Epub 2013 Jan 31.

[Low-n-6 and low-n-6 plus high-n-3 diets for use in clinical research.](#)

MacIntosh BA, Ramsden CE, Faurot KR, Zamora D, Mangan M, Hibbeln JR, Mann JD.

Br J Nutr. 2013 Aug 28;110(3):559-68. doi: 10.1017/S0007114512005181. Epub 2013 Jan 18.

[Effects of DHA-rich fish oil supplementation on lymphocyte function before and after a marathon race.](#)

Santos VC, Levada-Pires AC, Alves SR, Pithon-Curi TC, Curi R, Cury-Boaventura MF.

Int J Sport Nutr Exerc Metab. 2013 Apr;23(2):161-9. Epub 2012 Dec 7.