

CARDIOLOGY

- Akhtar T, Aggarwal R, Jain SK. Serum Vitamin D Level in Patients with Coronary Artery Disease and Association with Sun Exposure: Experience from a Tertiary Care, Teaching Hospital in India. *Adv Med*. 2019 Feb 3;2019:6823417. doi: 10.1155/2019/6823417. eCollection 2019.
- Boursiquot BC, Larson JC, Shalash OA, et al. Vitamin D with calcium supplementation and risk of atrial fibrillation in postmenopausal women. *Am Heart J*. 2019 Mar;209:68-78. doi: 10.1016/j.ahj.2018.12.006 [Epub 2018 Dec 13].
- Dziedzic EA, Gęsior JS, Pawłowski M, et al. Vitamin D level is associated with severity of coronary artery atherosclerosis and incidence of acute coronary syndromes in non-diabetic cardiac patients. *Arch Med Sci*. 2019 Mar;15(2):359-368. doi: 10.5114/aoms.2019.83291 [Epub 2019 Mar 4].
- Han Y, Chen A, Umansky KB, et al. Vitamin D Stimulates Cardiomyocyte Proliferation and Controls Organ Size and Regeneration in Zebrafish. *Dev Cell*. 2019 Mar 25;48(6):853-863.e5. doi: 10.1016/j.devcel.2019.01.001 [Epub 2019 Jan 31].
- Hao Y, Chen Y. Vitamin D levels and vitamin D receptor variants are associated with chronic heart failure in Chinese patients. *J Clin Lab Anal*. 2019 Feb 4:e22847. doi: 10.1002/jcla.22847 [Epub ahead of print].
- Lu BC, Shi XJ, Liang L, et al. Platelet Surface CD62p and Serum Vitamin D Levels are Associated with Clopidogrel Resistance in Chinese Patients with Ischemic Stroke. *J Stroke Cerebrovasc Dis*. 2019 Feb 20. pii: S1052-3057(19)30040-0. doi: 10.1016/j.jstrokecerebrovasdis.2019.01.031 [Epub ahead of print].
- Machado CDS, Ferro Aissa A, Ribeiro DL, et al. Vitamin D supplementation alters the expression of genes associated with hypertension and did not induce DNA damage in rats. *J Toxicol Environ Health A*. 2019 Mar 25:1-15. doi: 10.1080/15287394.2019.1592044 [Epub ahead of print].
- Nolte K, Herrmann-Lingen C, Platschek L, et al. Vitamin D deficiency in patients with diastolic dysfunction or heart failure with preserved ejection fraction. *ESC Heart Fail*. 2019 Apr;6(2):262-270. doi: 10.1002/ehf2.12413 [Epub 2019 Feb 19].
- Ostadmohammadi V, Milajerdi A, Ghayour-Mobarhan M, et al. The effects of vitamin D supplementation on glycemic control, lipid profiles and C-reactive protein among patients with cardiovascular disease: a systematic review and meta-analysis of randomized controlled trials. *Curr Pharm Des*. 2019 Mar 8. doi: 10.2174/1381612825666190308152943 [Epub ahead of print].
- Queiroz DJM, Silva AS, Diniz ADS, et al. Vitamin D insufficiency/deficiency and its association with cardiometabolic risk factors in Brazilian adolescents. *Nutr Hosp*. 2019 Mar 7;36(1):142-148. doi: 10.20960/nh.1884.
- Xu W, Hu X, Qi X, et al. Vitamin D Ameliorates Angiotensin II-Induced Human Endothelial Progenitor Cell Injury via the PPAR- γ /HO-1 Pathway. *J Vasc Res*. 2019 Mar 15;56(1):17-27. doi: 10.1159/000496164 [Epub ahead of print].
- Zhang X, Tu W, Manson JE, et al. Racial/Ethnic Differences in 25-Hydroxy Vitamin D and Parathyroid Hormone Levels and Cardiovascular Disease Risk Among Postmenopausal Women. *J Am Heart Assoc*. 2019 Feb 19;8(4):e011021. doi: 10.1161/JAHA.118.011021.

DERMATOLOGY

- Cho YS, Seo CH, Joo SY, et al. The association between postburn vitamin D deficiency and the biomechanical properties of hypertrophic scars. *J Burn Care Res*. 2019 Feb 26. pii: irz028. doi: 10.1093/jbcr/irz028 [Epub ahead of print].
- Droitcourt C, Barbarot S, Maruani A, et al. A new phototherapy regimen during winter as an add-on therapy, coupled with oral vitamin D supplementation, for the long-term control of atopic dermatitis: study protocol for a multicentre, randomized, crossover, pragmatic

trial - the PRADA trial. *Trials*. 2019 Mar 25;20(1):184. doi: 10.1186/s13063-019-3276-9.

- Ince B, Uyar I, Dadaci M. Effect of Vitamin D Deficiency on Hypertrophic Scarring. *Dermatol Surg*. 2019 Feb;45(2):274-279. doi: 10.1097/DSS.0000000000001680.
- Navarro-Triviño FJ, Arias-Santiago S, Gilaberte-Calzada Y. Vitamin D and the Skin: A Review for Dermatologists. *Actas Dermosifiliogr*. 2019 Mar 8. pii: S0001-7310(18)30531-3. doi: 10.1016/j.ad.2018.08.006 [Epub ahead of print].
- Pierret L, Suppa M, Gandini S, et al. Overview on vitamin D and sunbed use. *J Eur Acad Dermatol Venereol*. 2019 Mar;33 Suppl 2:28-33. doi: 10.1111/jdv.15316.
- Siekkeri Vandikas M, Hellström E, Malmberg P, et al. Imaging of vitamin D in psoriatic skin using time-of-flight secondary ion mass spectrometry (ToF-SIMS): A pilot case study. *J Steroid Biochem Mol Biol*. 2019 Feb 28;189:154-160. doi: 10.1016/j.jsbmb.2019.02.015 [Epub ahead of print].
- Simonsen S, Bonefeld CM, Thyssen JP, et al. Increase in Vitamin D but not Regulatory T Cells following Ultraviolet B Phototherapy of Patients with Atopic Dermatitis. *Acta Derm Venereol*. 2019 Feb 1;99(2):139-145. doi: 10.2340/00015555-3050.

EMATOLOGY

- Bajoria R, Reki E, Almusawy M, et al. Hepatic Hemosiderosis Contributes to Abnormal Vitamin D-PATH Axis in Thalassemia Major. *J Pediatr Hematol Oncol*. 2019 Mar;41(2):e83-e89. doi: 10.1097/MPH.0000000000001261.
- Katayama Y. Vitamin D receptor: A critical regulator of inter-organ communication between skeletal and hematopoietic systems. *J Steroid Biochem Mol Biol*. 2019 Feb 4. pii: S0960-0760(18)30696-4. doi: 10.1016/j.jsbmb.2019.02.001 [Epub ahead of print] Review.

ENDOCRINOLOGY

- Aatsinki SM, Elkhwanky MS, Kummu O, et al. Fasting-Induced Transcription Factors Repress Vitamin D Bioactivation, a Mecha-

nism for Vitamin D Deficiency in Diabetes. *Diabetes*. 2019 Mar 4. pii: db181050. doi: 10.2337/db18-1050 [Epub ahead of print].

- Al-Shaer AH, Abu-Samak MS, Hasoun LZ, et al. Assessing the effect of omega-3 fatty acid combined with vitamin D3 versus vitamin D3 alone on estradiol levels: a randomized, placebo-controlled trial in females with vitamin D deficiency. *Clin Pharmacol*. 2019 Feb 4;11:25-37. doi: 10.2147/CPAA.S182927. eCollection 2019.
- AlQuaiz AM, Mujammami M, Kazi A, et al. Vitamin D cutoff point in relation to parathyroid hormone: a population based study in Riyadh city, Saudi Arabia. *Arch Osteoporos*. 2019 Feb 20;14(1):22. doi: 10.1007/s11657-019-0565-6.
- Chen C, Zhai H, Cheng J, et al. Causal link between vitamin D and total testosterone in men: A mendelian randomization analysis. *J Clin Endocrinol Metab*. 2019 Mar 21. pii: jc.2018-01874. doi: 10.1210/jc.2018-01874 [Epub ahead of print].
- Chen H, Wiepjes CM, van Schoor NM, et al. Changes of vitamin D-binding protein, and total, bioavailable, and free 25-hydroxyvitamin D in transgender people. *J Clin Endocrinol Metab*. 2019 Feb 20. pii: jc.2018-02602. doi: 10.1210/jc.2018-02602 [Epub ahead of print].
- Cipponeri E, Vitturi N, Mariano V, et al. Vitamin D status and non-alcoholic fatty liver disease in patients with type 1 diabetes. *J Endocrinol Invest*. 2019 Mar 7. doi: 10.1007/s40618-019-01031-8 [Epub ahead of print].
- Dai J, Jiang C, Chen H, et al. Vitamin D and diabetic foot ulcer: a systematic review and meta-analysis. *Nutr Diabetes*. 2019 Mar 11;9(1):8. doi: 10.1038/s41387-019-0078-9. Review.
- Dhas Y, Banerjee J, Damle G, et al. Association of vitamin D deficiency with insulin resistance in middle-aged type 2 diabetics. *Clin Chim Acta*. 2019 May;492:95-101. doi: 10.1016/j.cca.2019.02.014 [Epub 2019 Feb 14].
- Esmaily H, Saffaei A. Vitamin D Usage Among Iranian Population: A Toxicity Crisis is on the Way. *Oman Med J*. 2019 Mar;34(2):174-175. doi: 10.5001/omj.2019.33.

- Fazelian S, Amani R, Paknahad Z, et al. Effect of Vitamin D Supplement on Mood Status and Inflammation in Vitamin D Deficient Type 2 Diabetic Women with Anxiety: A Randomized Clinical Trial. *Int J Prev Med*. 2019 Feb 12;10:17. doi: 10.4103/ijpvm.IJPVM_174_18. eCollection 2019.
- Gangloff A, Bergeron J, Lemieux I, et al. Relationships between circulating 25(OH) vitamin D, leptin levels and visceral adipose tissue volume: results from a 1-year lifestyle intervention program in men with visceral obesity. *Int J Obes (Lond)*. 2019 Mar 29. doi: 10.1038/s41366-019-0347-7 [Epub ahead of print].
- Ghezal A, Salekzamani S, Mehralizadeh H, et al. Vitamin D supplementation has no effect on matrix metalloproteinases-2, -9, and tissue inhibitor matrix metalloproteinase-1 in subjects with metabolic syndrome: A pilot study. *Int J Vitam Nutr Res*. 2019 Mar 4:1-11. doi: 10.1024/0300-9831/a000559 [Epub ahead of print].
- Greenhagen RM, Frykberg RG, Wukich DK. Serum vitamin D and diabetic foot complications. *Diabet Foot Ankle*. 2019 Feb 19;10(1):1579631. doi: 10.1080/2000625X.2019.1579631. eCollection 2019.
- Guareschi ZM, Valcanaia AC, Ceglarek VM, et al. The effect of chronic oral vitamin D supplementation on adiposity and insulin secretion in hypothalamic obese rats. *Br J Nutr*. 2019 Mar 29:1-27. doi: 10.1017/S0007114519000667 [Epub ahead of print].
- Jahn D, Dorbath D, Schilling AK, et al. Intestinal vitamin D receptor modulates lipid metabolism, adipose tissue inflammation and liver steatosis in obese mice. *Biochim Biophys Acta Mol Basis Dis*. 2019 Mar 21. pii: S0925-4439(19)30081-X. doi: 10.1016/j.bbadis.2019.03.007 [Epub ahead of print].
- Jorde R. The Role of Vitamin D Binding Protein, Total and Free 25-Hydroxyvitamin D in Diabetes. *Front Endocrinol (Lausanne)*. 2019 Feb 19;10:79. doi: 10.3389/fendo.2019.00079. eCollection 2019. Review.
- Kaykhaei MA, Khodadoost M, Dashipour AR, et al. Baseline levels determine magnitude of increment in 25 hydroxy vitamin D following vitamin D3 prescription in healthy

- subjects. *Endocrine*. 2019 Mar 14. doi: 10.1007/s12020-019-01881-5 [Epub ahead of print].
- Kim MT, Kim KB, Ko J, et al. The Differential Role of Vitamin D in Type 2 Diabetes Management and Control in Minority Populations. *J Immigr Minor Health*. 2019 Feb 11. doi: 10.1007/s10903-019-00857-x [Epub ahead of print].
 - Maidana P, Fritzier A, Mocarbel Y, et al. Association Between Vitamin D and Adrenal Parameters with Metabolic and Inflammatory Markers in Polycystic Ovary Syndrome. *Sci Rep*. 2019 Mar 8;9(1):3968. doi: 10.1038/s41598-019-40653-z.
 - Muñoz-Garach A, García-Fontana B, Muñoz-Torres M. Vitamin D Status, Calcium Intake and Risk of Developing Type 2 Diabetes: An Unresolved Issue. *Nutrients*. 2019 Mar 16;11(3). pii: E642. doi: 10.3390/nu11030642.
 - Pasquali M, Tartaglione L, Rotondi S, et al. Clinical impact of vitamin D hydroxylation efficiency. *Minerva Med*. 2019 Feb 22. doi: 10.23736/S0026-4806.19.06029-4 [Epub ahead of print].
 - Pramono A, Jocken JWE, Blaak EE. Vitamin D deficiency in the aetiology of obesity-related insulin resistance. *Diabetes Metab Res Rev*. 2019 Feb 24:e3146. doi: 10.1002/dmrr.3146 [Epub ahead of print] Review.
 - Rasoul MA, Haider MZ, Al-Mahdi M, et al. Relationship of four vitamin D receptor gene polymorphisms with type 1 diabetes mellitus susceptibility in Kuwaiti children. *BMC Pediatr*. 2019 Mar 7;19(1):71. doi: 10.1186/s12887-019-1448-0.
 - Sahebi R, Rezayi M, Emadzadeh M, et al. The effects of vitamin D supplementation on indices of glycemic control in Iranian diabetics: A systematic review and meta-analysis. *Complement Ther Clin Pract*. 2019 Feb;34:294-304. doi: 10.1016/j.ctcp.2018.12.009 [Epub 2018 Dec 19].
 - Trummer C, Theiler-Schwetz V, Kollmann M, et al. Effects of vitamin D supplementation on metabolic and endocrine parameters in healthy premenopausal women: A randomized controlled trial. *Clin Nutr*. 2019 Mar 20. pii: S0261-5614(19)30120-7. doi: 10.1016/j.clnu.2019.03.007 [Epub ahead of print].
 - Usategui-Martín R, Pérez-Alonso M, Socorro-Briangos L, et al. Estrogen receptor genes polymorphisms determine serum lipid profile in healthy postmenopausal women treated with calcium, vitamin D, and genistein. *J Cell Biochem*. 2019 Mar 18. doi: 10.1002/jcb.28584 [Epub ahead of print].
 - Veneti S, Anagnostis P, Adamidou F, et al. Association between vitamin D receptor gene polymorphisms and Graves' disease: a systematic review and meta-analysis. *Endocrine*. 2019 Mar 28. doi: 10.1007/s12020-019-01902-3 [Epub ahead of print].
 - Xing T, Hu Y, Wang B, et al. Role of oral calcium supplementation alone or with vitamin D in preventing post-thyroidectomy hypocalcaemia: A meta-analysis. *Medicine (Baltimore)*. 2019 Feb;98(8):e14455. doi: 10.1097/MD.00000000000014455. Review.
 - Zhu K, Oddy WH, Holt P, et al. Relationship Between Vitamin D Status From Childhood to Early Adulthood With Body Composition in Young Australian Adults. *J Endocr Soc*. 2019 Jan 21;3(3):563-576. doi: 10.1210/js.2018-00349. eCollection 2019 Mar 1.
 - Farhat KH, Arafa MA, Rabah DM, et al. Vitamin D status and its correlates in Saudi male population. *BMC Public Health*. 2019 Feb 20;19(1):211. doi: 10.1186/s12889-019-6527-5.
 - Fayet-Moore F, Brock KE, Wright J, et al. Determinants of vitamin D status of healthy office workers in Sydney, Australia. *J Steroid Biochem Mol Biol*. 2019 Mar 1;189:127-134. doi: 10.1016/j.jsbmb.2019.02.017 [Epub ahead of print].
 - Grønberg IM, Tetens I, Christensen T, et al. Vitamin D-fortified foods improve wintertime vitamin D status in women of Danish and Pakistani origin living in Denmark: a randomized controlled trial. *Eur J Nutr*. 2019 Mar 9. doi: 10.1007/s00394-019-01941-6 [Epub ahead of print].
 - Kanatani KT, Nakayama T, Adachi Y, et al. High frequency of vitamin D deficiency in current pregnant Japanese women associated with UV avoidance and hypo-vitamin D diet. *PLoS One*. 2019 Mar 4;14(3):e0213264. doi: 10.1371/journal.pone.0213264. eCollection 2019.
 - Kelishadi R, Heidari-Beni M, Akbarian SA, et al. Genetic Variation in Cytochrome P450 2R1 and Vitamin D Binding Protein Genes are associated with Vitamin D Deficiency in Adolescents. *Int J Vitam Nutr Res*. 2019 Mar 11:1-7. doi: 10.1024/0300-9831/a000509 [Epub ahead of print].
 - Lee MJ, Hsu HJ, Wu IW, et al. Vitamin D deficiency in northern Taiwan: a community-based cohort study. *BMC Public Health*. 2019 Mar 22;19(1):337. doi: 10.1186/s12889-019-6657-9.
 - Lee S, Lee E, Maneno MK, et al. Predictive Factors of Vitamin D Inadequacy among Older Adults in the United States. *Int J Vitam Nutr Res*. 2019 Feb 28:1-7. doi: 10.1024/0300-9831/a000564 [Epub ahead of print].
 - Lips P, Cashman KD, Lamberg-Allardt C, et al. MANAGEMENT OF ENDOCRINE DISEASE: Current vitamin D status in European and Middle East countries and strategies to prevent vitamin D deficiency; a position statement of the European Calcified Tissue Society. *Eur J Endocrinol*. 2019 Feb 1. pii: EJE-18-0736.R1. doi: 10.1530/EJE-18-0736 [Epub ahead of print].

EPIDEMIOLOGY

- Alami A, Tavakoly Sany SB, et al. Factors that influence dietary behavior toward iron and vitamin D consumption based on the theory of planned behavior in Iranian adolescent girls. *Nutr J*. 2019 Feb 6;18(1):8. doi: 10.1186/s12937-019-0433-7.
- Almoudi MM, Hussein AS, Abu Hassan MI, et al. Dental Caries and Vitamin D Status among Children in Asia: A literature review. *Pediatr Int*. 2019 Feb 11. doi: 10.1111/ped.13801 [Epub ahead of print].
- Aydın CG, Dinçel YM, Arçkan Y, et al. The effects of indoor and outdoor sports participation and seasonal changes on vitamin D levels in athletes. *SAGE Open Med*. 2019 Mar 12;7:2050312119837480. doi: 10.1177/2050312119837480. eCollection 2019.
- Chowla D, Daniels JL, Benjamin-Neelon SE, et al. Racial and ethnic differences in predictors of vitamin D among pregnant women in south-eastern USA. *J Nutr Sci*. 2019 Feb 28;8:e8. doi: 10.1017/jns.2019.4. eCollection 2019.

- Parizadeh SM, Rezayi M, Jafarzadeh-Esfahani R, et al. Association of Vitamin D Status With Liver and Kidney Disease: A Systematic Review of Clinical Trials, and Cross-Sectional and Cohort Studies. *Int J Vitam Nutr Res.* 2019 Feb 28;1-13. doi: 10.1024/0300-9831/a000540 [Epub ahead of print].
- Petrenya N, Lamberg-Allardt C, Melhus M, et al. Vitamin D status in a multi-ethnic population of northern Norway: the SAMINOR 2 Clinical Survey. *Public Health Nutr.* 2019 Feb 15:1-15. doi: 10.1017/S1368980018003816 [Epub ahead of print].
- Sezgin G, Ozturk G, Turkal R, et al. Vitamin D Levels of Outpatients Admitted to a University Hospital in the Marmara Region of Turkey Over 3 Years. *J Med Biochem.* 2019 Mar 3;38(2):181-187. doi: 10.2478/jomb-2018-0027. eCollection 2019 Apr.

GASTROENTEROLOGY

- Ahmad O, Nogueira J, Heubi JE, et al. Bile Acid Synthesis Disorder Masquerading as Intractable Vitamin D-Deficiency Rickets. *J Endocr Soc.* 2018 Dec 31;3(2):397-402. doi: 10.1210/js.2018-00314. eCollection 2019 Feb 1.
- Dong J, Gharakhani P, Chow WH, et al. No Association Between Vitamin D Status and Risk of Barrett's Esophagus or Esophageal Adenocarcinoma—a Mendelian Randomization Study. *Clin Gastroenterol Hepatol.* 2019 Feb 1. pii: S1542-3565(19)30088-6. doi: 10.1016/j.cgh.2019.01.041 [Epub ahead of print].
- Ebrahimpour-Koujan S, Sohrabpour AA, Foroughi F, et al. Effects of vitamin D supplementation on liver fibrogenic factors in non-alcoholic fatty liver patients with steatohepatitis: study protocol for a randomized clinical trial. *Trials.* 2019 Mar 4;20(1):153. doi: 10.1186/s13063-019-3241-7.
- Jalili M, Vahedi H, Poustchi H, et al. Effects of Vitamin D Supplementation in Patients with Irritable Bowel Syndrome: A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. *Int J Prev Med.* 2019 Feb 12;10:16. doi: 10.4103/ijpvm.IJPVM_512_17. eCollection 2019.
- Law AD, Dutta U, Kochhar R, et al. Vitamin D deficiency in adult patients with ulcerative colitis: Prevalence and relationship with disease severity, extent, and duration. *Indian J Gastroenterol.* 2019 Mar 13. doi: 10.1007/s12664-019-00932-z [Epub ahead of print].
- Licata A, Minissale MG, Montalto FA, et al. Is vitamin D deficiency predictor of complications development in patients with HCV-related cirrhosis? *Intern Emerg Med.* 2019 Mar 16. doi: 10.1007/s11739-019-02072-w [Epub ahead of print].
- Moran-Lev H, Galai T, Yerushalmy-Feler A, et al. Vitamin D Decreases Hepcidin and Inflammatory Markers in Newly Diagnosed Inflammatory Bowel Disease Pediatric Patients—A Prospective Study. *J Crohns Colitis.* 2019 Mar 6. pii: jcz056. doi: 10.1093/ecco-jcc/jcz056 [Epub ahead of print].
- Palazzo D, Biliotti E, Esvan R, et al. Vitamin D deficiency and health-related quality of life in chronic hepatitis C. *J Viral Hepat.* 2019 Feb 9. doi: 10.1111/jvh.13076 [Epub ahead of print].
- Shi SM, Wen YL, Hou HB, et al. Effectiveness of vitamin D for irritable bowel syndrome: A protocol for a systematic review of randomized controlled trial. *Medicine (Baltimore).* 2019 Mar;98(9):e14723. doi: 10.1097/MD.00000000000014723. Review.
- Sulimani RA. Celiac disease and severe vitamin D deficiency: the case for anti-tissue transglutaminase antibody screening. *Arch Osteoporos.* 2019 Mar 4;14(1):30. doi: 10.1007/s11657-018-0554-1.
- Szymczak-Tomczak A, Krela-Kaźmierczak I, Kaczmarek-Ryż M, et al. Vitamin D receptor (VDR) TaqI polymorphism, vitamin D and bone mineral density in patients with inflammatory bowel diseases. *Adv Clin Exp Med.* 2019 Mar 28. doi: 10.17219/acem/97376 [Epub ahead of print].
- Tavakoli H, Rostami H, Avan A, et al. High dose vitamin D supplementation is associated with an improvement in serum markers of liver function. *Biofactors.* 2019 Feb 13. doi: 10.1002/biof.1496 [Epub ahead of print].
- Wang PF, Yao DH, Hu YY, et al. Vitamin D Improves Intestinal Barrier Function in Cirrhosis Rats by Upregulating Heme Oxygenase-1 Expression. *Biomol Ther*

- (Seoul). 2019 Mar 1;27(2):222-230. doi: 10.4062/biomolther.2018.052.
 - Yang F, Ren H, Gao Y, et al. The value of severe vitamin D deficiency in predicting the mortality risk of patients with liver cirrhosis: A meta-analysis. *Clin Res Hepatol Gastroenterol.* 2019 Mar 29. pii: S2210-7401(19)30052-X. doi: 10.1016/j.clinre.2019.03.001 [Epub ahead of print].
 - Karimi S, Tabataba-Vakili S, Yari Z, et al. The effects of two vitamin D regimens on ulcerative colitis activity index, quality of life and oxidant/anti-oxidant status. *Nutr J.* 2019 Mar 11;18(1):16. doi: 10.1186/s12937-019-0441-7.
- ## GYNECOLOGY
- Abdi F, Ozgoli G, Rahnamaie FS. A systematic review of the role of vitamin D and calcium in premenstrual syndrome. *Obstet Gynecol Sci.* 2019 Mar;62(2):73-86. doi: 10.5468/ogs.2019.62.2.73. Epub 2019 Feb 25. Review.
 - Baki Yildirim S, Koşar Can Ö. An investigation of vitamin D deficiency in pregnant women and their infants in Giresun province located in the Black Sea region of Turkey. *J Obstet Gynaecol.* 2019 Feb 16:1-6. doi: 10.1080/01443615.2018.1539469 [Epub ahead of print].
 - Barrientos-Rios R, Frias S, Velázquez-Aragón JA, et al. Low bone mineral density and renal malformation in Mexican patients with Turner syndrome are associated with single nucleotide variants in vitamin D-metabolism genes. *Gynecol Endocrinol.* 2019 Mar 19:1-5. doi: 10.1080/09513590.2019.1582626 [Epub ahead of print].
 - Beentjes CHL, Taylor-King JP, Bayani A, et al. Defining Vitamin D Status Using Multi-Metabolite Mathematical Modelling: A Pregnancy Perspective. *J Steroid Biochem Mol Biol.* 2019 Mar 26. pii: S0960-0760(18)30598-3. doi: 10.1016/j.jsbmb.2019.03.024 [Epub ahead of print].
 - Benachi A, Baptiste A, Taieb J, et al. Relationship between vitamin D status in pregnancy and the risk for preeclampsia: A nested case-control study. *Clin Nutr.* 2019 Feb 15. pii: S0261-5614(19)30069-X. doi:

- 10.1016/j.clnu.2019.02.015 [Epub ahead of print].
- Boz İ, Teskereci G, Özekinci M. High prevalence of vitamin D deficiency in Turkish women undergoing in vitro fertilization: A descriptive study. *Health Care Women Int.* 2019 Mar 29;1-12. doi: 10.1080/07399332.2019.1569015 [Epub ahead of print].
 - Brustad N, Eliassen AU, Stokholm J, et al. High-Dose Vitamin D Supplementation During Pregnancy and Asthma in Offspring at the Age of 6 Years. *JAMA.* 2019 Mar 12;321(10):1003-1005. doi: 10.1001/jama.2019.0052.
 - Butts SF, Seifer DB, Koelper N, et al. Vitamin D Deficiency Is Associated With Poor Ovarian Stimulation Outcome in PCOS but Not Unexplained Infertility. *J Clin Endocrinol Metab.* 2019 Feb 1;104(2):369-378. doi: 10.1210/jc.2018-00750.
 - Curtis EM, Krstic N, Cook E, et al. Gestational Vitamin D Supplementation Leads to Reduced Perinatal RXRA DNA Methylation: Results From the MAVIDOS Trial. *J Bone Miner Res.* 2019 Feb;34(2):231-240. doi: 10.1002/jbmr.3603 [Epub 2019 Jan 18].
 - Gustafsson MK, Romundstad PR, Stafne SN, et al. The effect of an exercise program in pregnancy on vitamin D status among healthy, pregnant Norwegian women: a randomized controlled trial. *BMC Pregnancy Childbirth.* 2019 Feb 20;19(1):76. doi: 10.1186/s12884-019-2220-z.
 - Hauta-Alus HH, Kajantie E, Holmlund-Suila EM, et al. High Pregnancy, Cord Blood, and Infant Vitamin D Concentrations May Predict Slower Infant Growth. *J Clin Endocrinol Metab.* 2019 Feb 1;104(2):397-407. doi: 10.1210/jc.2018-00602.
 - Ideraabdullah FY, Belenchia AM, Rosenfeld CS, et al. Maternal vitamin D deficiency and developmental origins of health and disease (DOHaD). *J Endocrinol.* 2019 Mar 1. pii: JOE-18-0541.R2. doi: 10.1530/JOE-18-0541 [Epub ahead of print] Review.
 - Jamilian M, Mirhosseini N, Eslahi M, et al. The effects of magnesium-zinc-calcium-vitamin D co-supplementation on biomarkers of inflammation, oxidative stress and pregnancy outcomes in gestational diabetes. *BMC Pregnancy Childbirth.* 2019 Mar 29;19(1):107. doi: 10.1186/s12884-019-2258-y.
 - Janbek J, Specht IO, Heitmann BL. Associations between vitamin D status in pregnancy and offspring neurodevelopment: a systematic literature review. *Nutr Rev.* 2019 Feb 26. pii: nuy071. doi: 10.1093/nutrit/nuy071 [Epub ahead of print].
 - Jefferson KK, Parikh HI, Garcia EM, et al. Relationship between vitamin D status and the vaginal microbiome during pregnancy. *J Perinatol.* 2019 Mar 11. doi: 10.1038/s41372-019-0343-8 [Epub ahead of print].
 - Ji J, Zhai H, Zhou H, et al. The Role and Mechanism of Vitamin D-Mediated Regulation of Treg/Th17 Balance in Recurrent Pregnancy Loss. *Am J Reprod Immunol.* 2019 Mar 23:e13112. doi: 10.1111/ajri.13112 [Epub ahead of print].
 - Kong F, Du C, Wang Y. MicroRNA-9 affects isolated ovarian granulosa cells proliferation and apoptosis via targeting vitamin D receptor. *Mol Cell Endocrinol.* 2019 Apr 15;486:18-24. doi: 10.1016/j.mce.2019.02.012 [Epub 2019 Feb 19].
 - Lokki AI, Heikkinen-Eloranta J, Öhman H, et al. Smoking during pregnancy reduces vitamin D levels in a Finnish birth register cohort. *Public Health Nutr.* 2019 Feb 8:1-5. doi: 10.1017/S1368980018003932 [Epub ahead of print].
 - Matejek T, Navratilova M, Zaloudkova L, et al. Vitamin D status of very low birth weight infants at birth and the effects of generally recommended supplementation on their vitamin D levels at discharge. *J Matern Fetal Neonatal Med.* 2019 Mar 18:1-7. doi: 10.1080/14767058.2019.1586873 [Epub ahead of print].
 - Maugeri A, Barchitta M, Blanco I, et al. Effects of Vitamin D Supplementation During Pregnancy on Birth Size: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Nutrients.* 2019 Feb 20;11(2). pii: E442. doi: 10.3390/nu11020442. Review.
 - Nassar SZ, Badae NM. Protective effect of vitamin D supplementation in a rat model of preeclampsia: a possible implication of chemerin. *Hypertens Pregnancy.* 2019 Mar 29:1-8. doi: 10.1080/10641955.2019.1597108 [Epub ahead of print].
 - Ramezani Tehrani F, Minoone S, Rostami M, et al. Response to Letter to the Editor: "Effectiveness of Prenatal Vitamin D Deficiency Screening and Treatment Program: A Stratified Randomized Field Trial". *J Clin Endocrinol Metab.* 2019 Feb 1;104(2):339-340. doi: 10.1210/jc.2018-01799.
 - Rodrigues MRK, Lima SAM, Mazeto GMFDS, et al. Efficacy of vitamin D supplementation in gestational diabetes mellitus: Systematic review and meta-analysis of randomized trials. *PLoS One.* 2019 Mar 22;14(3):e0213006. doi: 10.1371/journal.pone.0213006. eCollection 2019.
 - Santorelli G, Whitelaw D, Farrar D, et al. Associations of maternal vitamin D, PTH and calcium with hypertensive disorders of pregnancy and associated adverse perinatal outcomes: Findings from the Born in Bradford cohort study. *Sci Rep.* 2019 Feb 4;9(1):1205. doi: 10.1038/s41598-018-37600-9.
 - Savard C, Gagnon C, Morisset AS. Disparities in the timing and measurement methods to assess vitamin D status during pregnancy: A Narrative Review. *Int J Vitam Nutr Res.* 2019 Feb 12:1-15. doi: 10.1024/0300-9831/a000507 [Epub ahead of print].
 - Shi XY, Huang AP, Xie DW, et al. Association of vitamin D receptor gene variants with polycystic ovary syndrome: a meta-analysis. *BMC Med Genet.* 2019 Feb 14;20(1):32. doi: 10.1186/s12881-019-0763-5.
 - Shub A, McCarthy EA. Letter to the Editor: "Effectiveness of Prenatal Vitamin D Deficiency Screening and Treatment Program: A Stratified Randomized Field Trial". *J Clin Endocrinol Metab.* 2019 Feb 1;104(2):337-338. doi: 10.1210/jc.2018-01731.
 - Singleton R, Day G, Thomas T, et al. Association of Maternal Vitamin D Deficiency with Early Childhood Caries. *J Dent Res.* 2019 Mar 14:22034519834518. doi: 10.1177/0022034519834518 [Epub ahead of print].
 - Sotunde OF, Laliberte A, Weiler HA. Maternal risk factors and newborn infant vitamin D status: a scoping literature review. *Nutr Res.*

2019 Mar;63:1-20. doi: 10.1016/j.nutres.2018.11.01 [Epub 2018 Dec 7]. Review.

- Swenson CW, Schimpf MO, Menees SB, et al. Comparison of Serum Vitamin D Levels in Relation to Bowel and Bladder Symptoms in Women with Vulvar Diseases. *Int J Vitam Nutr Res.* 2019 Feb 12;1-7. doi: 10.1024/0300-9831/a000527 [Epub ahead of print].
- Vafaei H, Asadi N, Kasraeian M, et al. Positive effect of low dose vitamin D supplementation on growth of fetal bones: A randomized prospective study. *Bone.* 2019 May;122:136-142. doi: 10.1016/j.bone.2019.02.022 [Epub 2019 Feb 21].
- Zeynali M, Haghhighian HK. Is there a relationship between serum vitamin D with dysmenorrhea pain in young women? *J Gynecol Obstet Hum Reprod.* 2019 Mar 18. pii: S2468-7847(18)30434-3. doi: 10.1016/j.jogoh.2019.03.002 [Epub ahead of print].
- Zhao Y, Wang L, Liu H, et al. Particulate Air Pollution Exposure and Plasma Vitamin D Levels in Pregnant Women: A Longitudinal Cohort Study. *J Clin Endocrinol Metab.* 2019 Mar 21. pii: jc.2018-02713. doi: 10.1210/jc.2018-02713 [Epub ahead of print].

IMMUNOLOGY

- Almeida ACSF, Siqueira MC, Bonan NB, et al. Vitamin D levels reverberate in monocytes modulation in hemodialysis patients. *J Cell Physiol.* 2019 Feb 25. doi: 10.1002/jcp.28290 [Epub ahead of print].
- Bivona G, Agnello L, Lo Sasso B, et al. Vitamin D in malaria: more hypotheses than clues. *Heliyon.* 2019 Feb 6;5(2):e01183. doi: 10.1016/j.heliyon.2019.e01183. eCollection 2019 Feb. Review.
- Ge X, Wang L, Li M, et al. Vitamin D/VDR signaling inhibits LPS-induced IFN γ and IL-1 β in Oral epithelia by regulating hypoxia-inducible factor-1 β signaling pathway. *Cell Commun Signal.* 2019 Feb 27;17(1):18. doi: 10.1186/s12964-019-0331-9.
- Goncalves-Mendes N, Talvas J, Dualé C, et al. Impact of Vitamin D Supplementation on Influenza Vaccine Response and Immune Functions in Deficient Elderly Persons:

A Randomized Placebo-Controlled Trial. *Front Immunol.* 2019 Feb 8;10:65. doi: 10.3389/fimmu.2019.00065. eCollection 2019.

- Hong Y, Kim Y, Lee JJ, et al. Levels of vitamin D-associated cytokines distinguish between active and latent tuberculosis following a tuberculosis outbreak. *BMC Infect Dis.* 2019 Feb 13;19(1):151. doi: 10.1186/s12879-019-3798-5.
- Loeb M, Dang AD, Thiem VD, et al. Effect of Vitamin D supplementation to reduce respiratory infections in children and adolescents in Vietnam: A randomized controlled trial. *Influenza Other Respir Viruses.* 2019 Mar;13(2):176-183. doi: 10.1111/irv.12615 [Epub 2019 Jan 4].
- Tangpricha V, Lukemire J, Chen Y, et al. Vitamin D for the Immune System in Cystic Fibrosis (DISC): a double-blind, multicenter, randomized, placebo-controlled clinical trial. *Am J Clin Nutr.* 2019 Mar 1;109(3):544-553. doi: 10.1093/ajcn/nqy291.
- Taylor LN, Aesif SW, Matson KM. A case of Pneumocystis pneumonia, with a granulomatous response and Vitamin D-mediated hypercalcemia, presenting 13 years after renal transplantation. *Transpl Infect Dis.* 2019 Mar 20:e13081. doi: 10.1111/tid.13081 [Epub ahead of print].
- Wang Y, Li HJ. A meta-analysis on associations between vitamin D receptor genetic variants and tuberculosis. *Microb Pathog.* 2019 Feb 26;130:59-64. doi: 10.1016/j.micpath.2019.02.027 [Epub ahead of print].
- Yamamoto E, Jørgensen TN. Immunological effects of vitamin D and their relations to autoimmunity. *J Autoimmun.* 2019 Mar 7. pii: S0896-8411(19)30033-2. doi: 10.1016/j.jaut.2019.03.002 [Epub ahead of print] Review.

LABORATORY

- Can U, Uysal S, Ruveyda Ugur A, et al. Can YKL-40 be an Inflammatory Biomarker in Vitamin D Deficiency? *Int J Vitam Nutr Res.* 2019 Feb 26;1-5. doi: 10.1024/0300-9831/a000545. [Epub ahead of print]
- Gonzalez-Chica D, Stocks N. Changes to the frequency and appropriateness of vitamin D testing after the introduction of

new Medicare criteria for rebates in Australian general practice: evidence from 1.5 million patients in the NPS MedicinesInsight database. *BMJ Open.* 2019 Mar 8;9(3):e024797. doi: 10.1136/bmjopen-2018-024797.

- Yis OM, Bugdayci G, Sönmez ÇA, et al. Analytical Evaluation of Vitamin D Measurements in Routine Laboratories. *Clin Lab.* 2019 Mar 1;65(3). doi: 10.7754/Clin.Lab.2018.180731.

MISCELLANY

- [No authors listed] Hemorrhoids, Tremor, C. difficile Infection, Migraine, Vitamin D Screening. *Am Fam Physician.* 2019 Mar 1;99(5):285.
- Almeida LF, Francescato HDC, Silva RS, Silva CGA, Antunes-Rodrigues J, de Paula FJA, Coimbra TM. Renal developmental disturbances and their long-term consequences in female pups from vitamin D-deficient mothers: involved mechanisms. *J Dev Orig Health Dis.* 2019 Feb 6:1-5. doi: 10.1017/S2040174418000909 [Epub ahead of print].
- Assimos DG. Re: Safety of Calcium and Vitamin D Supplements, a Randomized Controlled Trial. *J Urol.* 2019 Mar;201(3):436. doi: 10.1097/01.JU.0000553691.64013.e8.
- Bahat G, Altinkaynak M, Tascioglu C. Comment on Comparing Vitamin D Supplementation Versus Placebo for Urgency Urinary Incontinence: A Pilot Study. *J Am Geriatr Soc.* 2019 Mar 25. doi: 10.1111/jgs.15878 [Epub ahead of print].
- Barton M. Primum Non Nocere: Why Calcitriol ("Vitamin" D) Hormone Therapy Is Not a Magic Bullet. *Arterioscler Thromb Vasc Biol.* 2019 Feb;39(2):117-120. doi: 10.1161/ATVBAHA.118.312105.
- Carlberg C. Nutrigenomics of Vitamin D. *Nutrients.* 2019 Mar 21;11(3). pii: E676. doi: 10.3390/nu11030676. Review.
- Castaneda N, Lee Y. Microstructure of a Model Fresh Cheese and Bioaccessibility of Vitamin D β Using In Vitro Digestion. *Gels.* 2019 Mar 10;5(1). pii: E16. doi: 10.3390/gels5010016.
- Cocate PG, Kac G, Heitmann BL, et al.

- Calcium and vitamin D supplementation and/or periodontal therapy in the treatment of periodontitis among Brazilian pregnant women: protocol of a feasibility randomised controlled trial (the IMPROVE trial). *Pilot Feasibility Stud.* 2019 Mar 5;5:38. doi: 10.1186/s40814-019-0417-6. eCollection 2019.
- Di Marco N, Kaufman J, Rodda CP. Shedding Light on Vitamin D Status and Its Complexities during Pregnancy, Infancy and Childhood: An Australian Perspective. *Int J Environ Res Public Health.* 2019 Feb 13;16(4). pii: E538. doi: 10.3390/ijerph16040538.
 - Fakheran O, Khodadadi-Bohloul Z, Khademi A. Effect of vitamin D level on periodontal treatment outcomes: a systematic review. *Gen Dent.* 2019 Mar-Apr;67(2):64-67.
 - Fleet JC, Campbell MJ, Carlberg C, et al. Highlights from the 21th Workshop on Vitamin D in Barcelona, May 2018. *J Steroid Biochem Mol Biol.* 2019 Mar 26. pii: S0960-0760(19)30179-7. doi: 10.1016/j.jsbmb.2019.03.026 [Epub ahead of print].
 - García-Franco AL, Navarro DF, Corrochano EC. [Vitamin D: the new suit of the Sun King]. *Aten Primaria.* 2019 Feb;51(2):57-58. doi: 10.1016/j.aprim.2019.01.002.
 - Gorey S, Canavan M, Robinson S, et al. A review of vitamin D insufficiency and its management: a lack of evidence and consensus persists. *QJM.* 2019 Mar 1;112(3):165-167. doi: 10.1093/qjmed/hcy126. Review.
 - Henderson CM, Fink SL, Bassyouni H, et al. Vitamin D-Binding Protein Deficiency and Homozygous Deletion of the GC Gene. *N Engl J Med.* 2019 Mar 21;380(12):1150-1157. doi: 10.1056/NEJMoa1807841.
 - Jannasari N, Fathi M, Moshtaghian SJ, et al. Microencapsulation of vitamin D using gelatin and cress seed mucilage: Production, characterization and in vivo study. *Int J Biol Macromol.* 2019 Feb 16. pii: S0141-8130(18)36580-2. doi: 10.1016/j.ijbiomac.2019.02.096 [Epub ahead of print].
 - Kotsa K, Karras S, Zembekakis P. Reviews based on 1st Mediterranean Experts Meeting on the topic "Vitamin D in the prevention of health disparities during adult life". *Hormones (Athens).* 2019 Mar 2. doi: 10.1007/s42000-019-00099-4 [Epub ahead of print].
 - Kuwabara A, Tsugawa N, Mizuno K, et al. A simple questionnaire for the prediction of vitamin D deficiency in Japanese adults (Vitamin D Deficiency questionnaire for Japanese: VDDQJ). *J Bone Miner Metab.* 2019 Feb 5. doi: 10.1007/s00774-018-0984-2 [Epub ahead of print].
 - Maestro MA, Molnár F, Carlberg C. Vitamin D and Its Synthetic Analogs. *J Med Chem.* 2019 Mar 27. doi: 10.1021/acs.jmedchem.9b00208 [Epub ahead of print].
 - Markland AD, Tangpricha V, Beasley TM, et al. Reply to: "Suggestions for Vitamin D Supplementation for Urgency Urinary Incontinence Study". *J Am Geriatr Soc.* 2019 Mar 24. doi: 10.1111/jgs.15876 [Epub ahead of print].
 - McCarthy MS, Elshaw EB, Szekely BM, et al. A Prospective Cohort Study of Vitamin D Supplementation in AD Soldiers: Preliminary Findings. *Mil Med.* 2019 Mar 1;184(Supplement_1):498-505. doi: 10.1093/milmed/usy393.
 - McGee M. Vitamin D: Insufficiency, Uncertainty and Achievability. *Int J Vitam Nutr Res.* 2019 Mar 13;1-4. doi: 10.1024/0300-9831/a000500 [Epub ahead of print].
 - Meghil MM, Hutchens L, Raed A, et al. The Influence of Vitamin D Supplementation on Local and Systemic Inflammatory Markers in Periodontitis Patients: A Pilot Study. *Oral Dis.* 2019 Mar 26. doi: 10.1111/odi.13097 [Epub ahead of print].
 - Menzel LP, Ruddick W, Chowdhury MH, et al. Activation of vitamin D in the gingival epithelium and its role in gingival inflammation and alveolar bone loss. *J Periodontol Res.* 2019 Feb 25. doi: 10.1111/jre.12646 [Epub ahead of print].
 - Mitchell BL, Zhu G, Medland SE, et al. Half the Genetic Variance in Vitamin D Concentration is Shared with Skin Colour and Sun Exposure Genes. *Behav Genet.* 2019 Mar 15. doi: 10.1007/s10519-019-09954-x [Epub ahead of print].
 - Mo M, Wang S, Chen Z, et al. A systematic review and meta-analysis of the response of serum 25-hydroxyvitamin D concentration to vitamin D supplementa- tion from RCTs from around the globe. *Eur J Clin Nutr.* 2019 Mar 14. doi: 10.1038/s41430-019-0417-x [Epub ahead of print] Review.
 - Mohamed A, Bhargava A, Chaurasia S. Vitamin D supplementation in patients with xeroderma pigmentosum. *Indian J Ophthalmol.* 2019 Feb;67(2):308-309. doi: 10.4103/ijo.IJO_1319_18.
 - Moon RJ, Curtis EM, Cooper C, et al. Vitamin D supplementation: are multivitamins sufficient? *Arch Dis Child.* 2019 Feb 25. pii: archdischild-2018-316339. doi: 10.1136/archdischild-2018-316339 [Epub ahead of print].
 - Mueangpaisarn P, Chaiamnuay S. A randomized double-blinded placebo controlled trial of ergocalciferol 40,000 versus 100,000 IU per week for vitamin D inadequacy in institutionalized postmenopausal women. *Aging Clin Exp Res.* 2019 Feb 19. doi: 10.1007/s40520-019-01151-4 [Epub ahead of print].
 - Muñoz García A, Eijssen IM, Kutmon M, et al. A bioinformatics workflow to decipher transcriptomic data from vitamin D studies. *J Steroid Biochem Mol Biol.* 2019 Feb 1;189:28-35. doi: 10.1016/j.jsbmb.2019.01.003 [Epub ahead of print] Review.
 - Nurminen V, Seuter S, Carlberg C. Primary Vitamin D Target Genes of Human Monocytes. *Front Physiol.* 2019 Mar 5;10:194. doi: 10.3389/fphys.2019.00194. eCollection 2019. Review.
 - Pérez-Alonso M, Briongos LS, Ruiz-Mambrilla M, et al. Association Between Bat Vitamin D Receptor 3' Haplotypes and Vitamin D Levels at Baseline and a Lower Response After Increased Vitamin D Supplementation and Exposure to Sunlight. *Int J Vitam Nutr Res.* 2019 Feb 21:1-5. doi: 10.1024/0300-9831/a000534 [Epub ahead of print].
 - Preiss D, Sattar N. Research digest: vitamin D supplementation. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):91. doi: 10.1016/S2213-8587(19)30007-5.
 - Scott D, Ebeling PR. Vitamin D and Public Health. *Int J Environ Res Public Health.* 2019 Mar 8;16(5). pii: E848. doi: 10.3390/ijerph16050848.

- Skalska M, Nikolaidis PT, Knechtle B, et al. Vitamin D Supplementation and Physical Activity of Young Soccer Players during High-Intensity Training. *Nutrients*. 2019 Feb 6;11(2). pii: E349. doi: 10.3390/nu11020349.
- Upadhaya SD, Cho SH, Chung TK, et al. Anti-coccidial effect of essential oil blends and vitamin D on broiler chickens vaccinated with purified mixture of coccidian oocysts from *Eimeria tenella* and *Eimeria maxima*. *Poult Sci*. 2019 Feb 19. pii: pez040. doi: 10.3382/ps/pez040 [Epub ahead of print].
- Viglianti EM, Zajic P, Iwashyna TJ, et al. Neither vitamin D levels nor supplementation are associated with the development of persistent critical illness: a retrospective cohort analysis. *Crit Care Resusc*. 2019 Mar;21(1):39-44.
- Zhou P, McEvoy TG, Gill AC, et al. Investigation of relationship between vitamin D status and reproductive fitness in Scottish hill sheep. *Sci Rep*. 2019 Feb 4;9(1):1162. doi: 10.1038/s41598-018-37843-6.
- Zolot J. Vitamin D, Omega-3 Fatty Acids Don't Lower Rates of Cancer or CVD. *Am J Nurs*. 2019 Feb;119(2):15. doi: 10.1097/01.NAJ.0000553195.75599.75.

NEPHROLOGY

- Arruche M, Varas J, Rincón A, et al. Does vitamin D influence hepatitis B surface antibodies in non-vaccinated patients on hemodialysis? *Nefrologia*. 2019 Feb 16. pii: S0211-6995(19)30014-1. doi: 10.1016/j.nefro.2018.11.004 [Epub ahead of print].
- Damiani S. A Pilot Study to Assess Kidney Functions and Toxic Dimethyl-arginines as Risk Biomarkers in Women with Low Vitamin D Levels. *J Med Biochem*. 2019 Mar 3;38(2):145-152. doi: 10.2478/jomb-2018-0025. eCollection 2019 Apr.
- Dou D, Yang B, Gan H, et al. Vitamin D supplementation for the improvement of vascular function in patients with chronic kidney disease: a meta-analysis of randomized controlled trials. *Int Urol Nephrol*. 2019 Feb 8. doi: 10.1007/s11255-019-02088-3 [Epub ahead of print] Review.
- Du J, Jiang S, Hu Z, et al. Vitamin D receptor activation protects against lipopolysaccharide-induced acute kidney injury through suppression of tubular cell apoptosis. *Am J Physiol Renal Physiol*. 2019 Mar 13. doi: 10.1152/ajprenal.00332.2018 [Epub ahead of print].
- Fan W, Peng Y, Liang Z, et al. A negative feedback loop of H19/miR-675/EGR1 is involved in diabetic nephropathy by downregulating the expression of the vitamin D receptor. *J Cell Physiol*. 2019 Feb 27. doi: 10.1002/jcp.28373 [Epub ahead of print].
- Groth EM, Lulich JP, Chew DJ, et al. Vitamin D metabolism in dogs with and without hypercalciuric calcium oxalate urolithiasis. *J Vet Intern Med*. 2019 Mar;33(2):758-763. doi: 10.1111/jvim.15442 [Epub 2019 Mar 9].
- Gupta S, Goyal P, Feinn RS, et al. Role of Vitamin D and Its Analogues in Diabetic Nephropathy: A Meta-analysis. *Am J Med Sci*. 2019 Mar;357(3):223-229. doi: 10.1016/j.amjms.2018.12.005 [Epub 2018 Dec 13].
- Kara AV, Aldemir MN, Soyulu YE, et al. Relationship between Serum Vitamin D Levels and Health-Related Quality of Life in Maintenance Hemodialysis Patients. *Blood Purif*. 2019 Feb 21:1-9. doi: 10.1159/000497242 [Epub ahead of print].
- Moore LW, Suki WN, Lunsford KE, et al. Cross-sectional evaluation of the relationship between vitamin D status and supplement use across levels of kidney function in adults. *BMJ Open*. 2019 Feb 22;9(2):e022471. doi: 10.1136/bmjopen-2018-022471.
- Pawlak D, Domaniewski T, Znorko B, et al. The use of LP533401 as a therapeutic option for renal osteodystrophy affects, renal calcium handling, vitamin D metabolism, and bone health in uremic rats. *Expert Opin Ther Targets*. 2019 Apr;23(4):353-364. doi: 10.1080/14728222.2019.1586883 [Epub 2019 Mar 12].
- Thorsen IS, Bleskestad IH, Åsberg A, et al. Vitamin D as a risk factor for patient survival after kidney transplantation: A prospective observational cohort study. *Clin Transplant*. 2019 Mar 7:e13517. doi: 10.1111/ctr.13517 [Epub ahead of print].
- Toi N, Inaba M, Ishimura E, et al. Significance of urinary C-megalin excretion in vitamin D metabolism in pre-dialysis CKD patients. *Sci Rep*. 2019 Feb 18;9(1):2207. doi: 10.1038/s41598-019-38613-8.

tamin D metabolism in pre-dialysis CKD patients. *Sci Rep*. 2019 Feb 18;9(1):2207. doi: 10.1038/s41598-019-38613-8.

- Vila Cuenca M, van Bezu J, Beelen RHJ, et al. Stabilization of cell-cell junctions by active vitamin D ameliorates uraemia-induced loss of human endothelial barrier function. *Nephrol Dial Transplant*. 2019 Feb 1;34(2):252-264. doi: 10.1093/ndt/gfy111.
- Wang Y, Yang S, Zhou Q, et al. Effects of Vitamin D Supplementation on Renal Function, Inflammation and Glycemic Control in Patients with Diabetic Nephropathy: a Systematic Review and Meta-Analysis. *Kidney Blood Press Res*. 2019;44(1):72-87. doi: 10.1159/000498838 [Epub 2019 Feb 22].

NEUROLOGY

- Al-Amin MM, Sullivan RKP, Kurniawan ND, et al. Adult vitamin D deficiency disrupts hippocampal-dependent learning and structural brain connectivity in BALB/c mice. *Brain Struct Funct*. 2019 Feb 2. doi: 10.1007/s00429-019-01840-w [Epub ahead of print].
- Arici Duz O, Helvacı Yılmaz N. Nocturnal blood pressure changes in Parkinson's disease: correlation with autonomic dysfunction and vitamin D levels. *Acta Neurol Belg*. 2019 Mar 7. doi: 10.1007/s13760-019-01113-7 [Epub ahead of print].
- Bartosik-Psujek H, Psujek M. Vitamin D as an immune modulator in multiple sclerosis. *Neurol Neurochir Pol*. 2019 Mar 27. doi: 10.5603/PJNNS.a2019.0015 [Epub ahead of print].
- Berezowska M, Coe S, Dawes H. Effectiveness of Vitamin D Supplementation in the Management of Multiple Sclerosis: A Systematic Review. *Int J Mol Sci*. 2019 Mar 14;20(6). pii: E1301. doi: 10.3390/ijms20061301. Review.
- Bian Q, McAdam L, Grynepas M, et al. Increased Rates of Vitamin D Insufficiency in Boys With Duchenne Muscular Dystrophy Despite Higher Vitamin D3 Supplementation. *Glob Pediatr Health*. 2019 Mar 15;6:2333794X19835661. doi: 10.1177/2333794X19835661. eCollection 2019.

- Bowman K, Jones L, Pilling LC, et al. Vitamin D levels and risk of delirium: A mendelian randomization study in the UK Biobank. *Neurology*. 2019 Mar 19;92(12):e1387-e1394. doi: 10.1212/WNL.00000000000007136 [Epub 2019 Feb 15].
- da Rosa MI, Beck WO, Colonetti T, et al. Association of vitamin D and vitamin B12 with cognitive impairment in elderly aged 80 years or older: a cross-sectional study. *J Hum Nutr Diet*. 2019 Feb 28. doi: 10.1111/jhn.12636 [Epub ahead of print].
- Ehsanian R, Timmerman MA, Wright JM, McKenna S, Dirlikov B, Crew J. Venous Thromboembolism is Associated With Lack of Vitamin D Supplementation in Patients With Spinal Cord Injury and Low Vitamin D Levels. *PM R*. 2019 Feb;11(2):125-134. doi: 10.1016/j.pmrj.2018.09.038 [Epub 2019 Feb 14].
- Gao M, Yao X, Ding J, et al. Low levels of vitamin D and the relationship between vitamin D and Th2 axis-related cytokines in neuromyelitis optica spectrum disorders. *J Clin Neurosci*. 2019 Mar;61:22-27. doi: 10.1016/j.jocn.2018.11.024 [Epub 2019 Jan 25].
- Geng J, Zhang J, Yao F, et al. A systematic review and meta-analysis of the associations of vitamin D receptor genetic variants with two types of most common neurodegenerative disorders. *Ageing Clin Exp Res*. 2019 Mar 12. doi: 10.1007/s40520-019-01135-4 [Epub ahead of print].
- Goischke HK. Vitamin D Supplementation as Add-on Therapy in Multiple Sclerosis-Balance between Benefit and Risk?: A Commentary on Vitamin D Supplementation in Central Nervous System Demyelinating Disease-Enough Is Enough. *Int J Mol Sci*. 2019 Mar 26;20(6). pii: E1513. doi: 10.3390/ijms20061513.
- Grimm MOW, Lauer AA, Grösgen S, et al. Profiling of Alzheimer's disease related genes in mild to moderate vitamin D hypovitaminosis. *J Nutr Biochem*. 2019 Feb 11;67:123-137. doi: 10.1016/j.jnutbio.2019.01.015 [Epub ahead of print].
- Hawkes C, Giovannoni G, Lechner-Scott J, et al. Multiple Sclerosis and Vitamin D - Caviar or a Dog's Dinner? *Mult Scler Relat Disord*. 2019 Feb;28:A1-A2. doi: 10.1016/j.msard.2019.02.015.
- Holmøy T, Røsjø E, Zetterberg H, et al. Vitamin D supplementation and neurofilament light chain in multiple sclerosis. *Acta Neurol Scand*. 2019 Feb;139(2):172-176. doi: 10.1111/ane.13037 [Epub 2018 Nov 12].
- Jeon SG, Cha MY, Kim JI, et al. Vitamin D-binding protein-loaded PLGA nanoparticles suppress Alzheimer's disease-related pathology in 5XFAD mice. *Nanomedicine*. 2019 Feb 19;17:297-307. doi: 10.1016/j.nano.2019.02.004 [Epub ahead of print].
- Larsson SC, Flicker L. Vitamin D: A novel protective factor for delirium? *Neurology*. 2019 Mar 19;92(12):553-554. doi: 10.1212/WNL.00000000000007121 [Epub 2019 Feb 15].
- Lee DH, Kim JH, Jung MH, et al. Total 25-hydroxy vitamin D level in cerebrospinal fluid correlates with serum total, bioavailable, and free 25-hydroxy vitamin D levels in Korean population. *PLoS One*. 2019 Mar 19;14(3):e0213389. doi: 10.1371/journal.pone.0213389. eCollection 2019.
- Lee JM, Jeong SW, Kim MY, et al. The Effect of Vitamin D Supplementation in Acute Traumatic Brain Injury Patients. *World Neurosurg*. 2019 Mar 20. pii: S1878-8750(19)30784-3. doi: 10.1016/j.wneu.2019.02.244 [Epub ahead of print].
- Lu M, McComish BJ, Burdon KP, et al. The Association Between Vitamin D and Multiple Sclerosis Risk: 1,25(OH)2D3 Induces Super-Enhancers Bound by VDR. *Front Immunol*. 2019 Mar 19;10:488. doi: 10.3389/fimmu.2019.00488. eCollection 2019.
- Mayne PE, Burne THJ. Vitamin D in Synaptic Plasticity, Cognitive Function, and Neuropsychiatric Illness. *Trends Neurosci*. 2019 Apr;42(4):293-306. doi: 10.1016/j.tins.2019.01.003 [Epub 2019 Feb 19]. Review.
- Nakada T, Sugiura S, Uchida Y, et al. Difference in Serum Levels of Vitamin D Between Canalolithiasis and Cupulolithiasis of the Horizontal Semicircular Canal in Benign Paroxysmal Positional Vertigo. *Front Neurol*. 2019 Mar 1;10:176. doi: 10.3389/fneur.2019.00176. eCollection 2019.
- Palacios N, Scott T, Sahasrabudhe N, et al. Serum vitamin D and cognition in a cohort of Boston-area Puerto Ricans. *Nutr Neurosci*. 2019 Mar 7:1-8. doi: 10.1080/1028415X.2018.1545291 [Epub ahead of print].
- Pytel V, Matias-Guiu JA, Torre-Fuentes L, et al. Exonic variants of genes related to the vitamin D signaling pathway in the families of familial multiple sclerosis using whole-exome next generation sequencing. *Brain Behav*. 2019 Mar 21:e01272. doi: 10.1002/brb3.1272 [Epub ahead of print].
- Rhim GI. Serum Vitamin D and Long-Term Outcomes of Benign Paroxysmal Positional Vertigo. *Clin Exp Otorhinolaryngol*. 2019 Mar 1. doi: 10.21053/ceo.2018.00381 [Epub ahead of print].
- Voo VTF, O'Brien T, Butzkueven H, et al. The role of vitamin D and P2X7R in multiple sclerosis. *J Neuroimmunol*. 2019 Mar 14;330:159-169. doi: 10.1016/j.jneuroim.2019.03.004 [Epub ahead of print] Review.
- Wang X, Shen N, Lu Y, et al. Vitamin D receptor polymorphisms and the susceptibility of Parkinson's disease. *Neurosci Lett*. 2019 Apr 23;699:206-211. doi: 10.1016/j.neulet.2019.02.018 [Epub 2019 Feb 11].
- Zamzam D, Foad M, Swelam M, et al. Vitamin D and body mass index in Egyptian multiple sclerosis patients. *Mult Scler Relat Disord*. 2019 Feb;28:313-316. doi: 10.1016/j.msard.2018.11.035 [Epub 2018 Dec 1].
- Gugger A, Marzel A, Orav EJ, et al. Effect of Monthly High-Dose Vitamin D on Mental Health in Older Adults: Secondary Analysis of a RCT. *J Am Geriatr Soc*. 2019 Feb 1. doi: 10.1111/jgs.15808 [Epub ahead of print].
- Linden J, Granåsen G, Salzer J, et al. Inflammatory activity and vitamin D levels in an MS population treated with rituximab. *Mult Scler J Exp Transl Clin*. 2019 Feb 11;5(1):2055217319826598. doi: 10.1177/2055217319826598. eCollection 2019 Jan-Mar.
- Baumann B, Lugli G, Gao S, et al. High lev

ONCOLOGY

- els of PIWI-interacting RNAs are present in the small RNA landscape of prostate epithelium from vitamin D clinical trial specimens. *Prostate*. 2019 Mar 24. doi: 10.1002/pros.23789 [Epub ahead of print].
- Bedogni A, Bettini G, Bedogni G, et al. Is vitamin D deficiency a risk factor for osteonecrosis of the jaw in patients with cancer? A matched case-control study. *J Craniomaxillofac Surg*. 2019 Mar 13. pii: S1010-5182(18)31039-4. doi: 10.1016/j.jcms.2019.03.007 [Epub ahead of print].
 - Calderwood AH, Baron JA, Mott LA, et al. No Evidence for Post-Treatment Effects of Vitamin D and Calcium Supplementation on Risk of Colorectal Adenomas in a Randomized Trial. *Cancer Prev Res (Phila)*. 2019 Mar 4. pii: canprevres.0023.2019. doi: 10.1158/1940-6207.CAPR-19-0023 [Epub ahead of print].
 - Câmara AB, Brandão IA. The Role of Vitamin D and Sunlight Incidence in Cancer. *Anticancer Agents Med Chem*. 2019 Mar 12. doi: 10.2174/1389557519666190312123212 [Epub ahead of print].
 - Fagan R, Bokhari SSN, Inayat F. Vitamin D and vitamin B12 deficiencies in patients with small intestinal carcinoid tumour: is opioid use disorder a confounding factor in the diagnosis? *BMJ Case Rep*. 2019 Mar 16;12(3). pii: e227430. doi: 10.1136/bcr-2018-227430.
 - Keshavarzi Z, Janghorban R, Alipour S, et al. The effect of vitamin D and E vaginal suppositories on tamoxifen-induced vaginal atrophy in women with breast cancer. *Support Care Cancer*. 2019 Apr;27(4):1325-1334. doi: 10.1007/s00520-019-04684-6 [Epub 2019 Feb 7].
 - Keum N, Lee DH, Greenwood DC, et al. Vitamin D Supplements and Total Cancer Incidence and Mortality: a Meta-analysis of randomized controlled trials. *Ann Oncol*. 2019 Feb 22. pii: mdz059. doi: 10.1093/annonc/mdz059 [Epub ahead of print].
 - Khan NA, Stopsack KH, Allott EH, et al. Intratumoral sterol-27-hydroxylase (CYP27A1) expression in relation to cholesterol synthesis and vitamin D signaling and its association with lethal prostate cancer. *Cancer Epidemiol Biomarkers Prev*. 2019 Mar 13. pii: cebp.1083.2018. doi: 10.1158/1055-9965.EPI-18-1083 [Epub ahead of print].
 - Kimlin MG, Youl P, Baade P, et al. Is Vitamin D Level at Melanoma Diagnosis Associated With Stage Of Tumor? An Observational Study of Melanoma Patients Living in a High Ultraviolet Radiation Environment. *Mil Med*. 2019 Mar 1;184(Supplement_1):506-510. doi: 10.1093/milmed/usy384.
 - Kotlarz A, Przybyszewska M, Swoboda P, et al. Imatinib inhibits the regrowth of human colon cancer cells after treatment with 5-FU and cooperates with vitamin D analogue PRI-2191 in the downregulation of expression of stemness-related genes in 5-FU refractory cells. *J Steroid Biochem Mol Biol*. 2019 Feb 14;189:48-62. doi: 10.1016/j.jsbmb.2019.02.003 [Epub ahead of print].
 - Machado MRM, de Sousa Almeida-Filho B, De Luca Vespoli H, et al. Low pretreatment serum concentration of vitamin D at breast cancer diagnosis in postmenopausal women. *Menopause*. 2019 Mar;26(3):293-299. doi: 10.1097/GME.0000000000001203.
 - McCullough ML, Zoltick ES, Weinstein SJ, et al. Circulating Vitamin D and Colorectal Cancer Risk: An International Pooling Project of 17 Cohorts. *J Natl Cancer Inst*. 2019 Feb 1;111(2):158-169. doi: 10.1093/jnci/djy087.
 - Naska A, Lagiou P. Vitamin D: should public health recommendations also consider cancer outcomes? *Ann Oncol*. 2019 Mar 18. pii: mdz089. doi: 10.1093/annonc/mdz089 [Epub ahead of print].
 - Peiris CD, Jaroudi S, Byrd T. Role of Monthly High-Dose Vitamin D Supplementation in Cancer Prevention. *JAMA Oncol*. 2019 Feb 14. doi: 10.1001/jamaoncol.2018.7214 [Epub ahead of print].
 - Razak S, Afsar T, Almajwal A, et al. Growth inhibition and apoptosis in colorectal cancer cells induced by Vitamin D-Nanoemulsion (NVD): involvement of Wnt/β-catenin and other signal transduction pathways. *Cell Biosci*. 2019 Feb 1;9:15. doi: 10.1186/s13578-019-0277-z. eCollection 2019.
 - Robles LA, Dawe K, Martin RM, et al. Does testosterone mediate the relationship between vitamin D and prostate cancer? A systematic review and meta-analysis protocol. *Syst Rev*. 2019 Feb 12;8(1):52. doi: 10.1186/s13643-018-0908-1.
 - Scragg R, Camargo CA Jr. Role of Monthly High-Dose Vitamin D Supplementation in Cancer Prevention-In Reply. *JAMA Oncol*. 2019 Feb 14. doi: 10.1001/jamaoncol.2018.7233 [Epub ahead of print].
 - Waterhouse M, English DR, Armstrong BK, et al. A randomized placebo-controlled trial of vitamin D supplementation for reduction of mortality and cancer: Statistical analysis plan for the D-Health Trial. *Contemp Clin Trials Commun*. 2019 Feb 20;14:100333. doi: 10.1016/j.conctc.2019.100333. eCollection 2019 Jun.
 - Zhang J, Yang S, Xu B, et al. p62 functions as an oncogene in colorectal cancer through inhibiting apoptosis and promoting cell proliferation by interacting with the vitamin D receptor. *Cell Prolif*. 2019 Feb 22:e12585. doi: 10.1111/cpr.12585 [Epub ahead of print].

PEDIATRICS

- Aguiar M, Andronis L, Pallan M, et al. Micronutrient deficiencies and health-related quality of life: the case of children with vitamin D deficiency. *Public Health Nutr*. 2019 Feb 12:1-8. doi: 10.1017/S1368980018003841 [Epub ahead of print].
- Bodin J, Mihret A, Holm-Hansen C, et al. Vitamin D Deficiency is Associated with Increased Use of Antimicrobials among Preschool Girls in Ethiopia. *Nutrients*. 2019 Mar 7;11(3). pii: E575. doi: 10.3390/nu11030575.
- Bose S, Diette GB, Woo H, et al. Vitamin D Status Modifies the Response to Indoor Particulate Matter in Obese Urban Children with Asthma. *J Allergy Clin Immunol Pract*. 2019 Feb 11. pii: S2213-2198(19)30160-6. doi: 10.1016/j.jaip.2019.01.051 [Epub ahead of print].
- Davis RL, Aksornsri A, Papachrisanthou MM. Vitamin D Screening Variations in Children and Adolescents: Who should be Screened? *J Pediatr Nurs*. 2019 Mar - Apr;45:57-61. doi: 10.1016/j.pedn.2019.02.002 [Epub 2019 Feb 10].
- Dharmo B, Miliku K, Voortman T, et al. The Associations of Maternal and Neonatal Vitamin D with Dental Development in Childhood. *Curr Dev Nutr*. 2019 Mar

7;3(4):nzy100. doi: 10.1093/cdn/nzy100. eCollection 2019 Apr.

- Esposito S, Leonardi A, Lanciotti L, et al. Vitamin D and growth hormone in children: a review of the current scientific knowledge. *J Transl Med.* 2019 Mar 18;17(1):87. doi: 10.1186/s12967-019-1840-4. Review.
- Huang Y, Peng Q, Bao M, et al. Biochemical metabolic levels and vitamin D receptor FokI gene polymorphisms in Uyghur children with urolithiasis. *PLoS One.* 2019 Feb 11;14(2):e0212183. doi: 10.1371/journal.pone.0212183. eCollection 2019.
- Mandlik R, Chiplonkar S, Kajale N, et al. Infection Status of Rural Schoolchildren and its Relationship with Vitamin D Concentrations. *Indian J Pediatr.* 2019 Mar 26. doi: 10.1007/s12098-019-02933-4 [Epub ahead of print].
- Mansy W, Ibrahim NH, Al-Gawhary S, et al. Vitamin D status and vitamin D receptor gene polymorphism in Saudi children with acute lower respiratory tract infection. *Mol Biol Rep.* 2019 Feb 5. doi: 10.1007/s11033-019-04645-6 [Epub ahead of print].
- Minkowitz B, Nadel L, McDermott M, et al. Obtaining Vitamin D Levels in Children With Fractures Improves Supplementation Compliance. *J Pediatr Orthop.* 2019 Mar 6. doi: 10.1097/BPO.0000000000001363 [Epub ahead of print].
- Nalbantoğlu A, Nalbantoğlu B. Vitamin D deficiency as a risk factor for PFAPA syndrome. *Int J Pediatr Otorhinolaryngol.* 2019 Mar 4;121:55-57. doi: 10.1016/j.ijporl.2019.02.047 [Epub ahead of print].
- Newton DA, Baatz JE, Kindy MS, et al. Vitamin D binding protein polymorphisms significantly impact vitamin D status in children. *Pediatr Res.* 2019 Feb 2. doi: 10.1038/s41390-019-0322-y [Epub ahead of print].
- Olszowiec-Chlebna M, Koniarek-Maniecka A, Brzozowska A, et al. Vitamin D inhibits pro-inflammatory cytokines in the airways of cystic fibrosis patients infected by *Pseudomonas aeruginosa*- pilot study. *Ital J Pediatr.* 2019 Mar 29;45(1):41. doi: 10.1186/s13052-019-0634-x.
- Pediatrician AF. Vitamin D Deficiency, Prevalence and Treatment in Neonatal Period.

Endocr Metab Immune Disord Drug Targets. 2019 Feb 15. doi: 10.2174/1871530319666190215152045 [Epub ahead of print].

- Rosendahl J, Pelkonen AS, Helve O, et al. High-Dose Vitamin D Supplementation Does Not Prevent Allergic Sensitization of Infants. *J Pediatr.* 2019 Mar 19. pii: S0022-3476(19)30245-8. doi: 10.1016/j.jpeds.2019.02.021 [Epub ahead of print].
- Sopo SM, Cerchiara G, Bersani G, et al. The unpredictability of seasonal variations in serum vitamin D levels in children with asthma and/or rhinitis. *Allergol Immunopathol (Madr).* 2019 Mar 30. pii: S0301-0546(19)30023-0. doi: 10.1016/j.aller.2019.01.002 [Epub ahead of print].
- Ustun N, Eyerci N, Karadag N, et al. Association of vitamin D receptor gene FokI and TaqI polymorphisms and risk of RDS. *J Matern Fetal Neonatal Med.* 2019 Feb 27:1-7. doi: 10.1080/14767058.2019.1582629 [Epub ahead of print].
- Wang C, Gao J, Liu N, et al. Maternal factors associated with neonatal vitamin D deficiency. *J Pediatr Endocrinol Metab.* 2019 Feb 25;32(2):167-172. doi: 10.1515/jpem-2018-0422.
- Xie J, Zhu L, Zhu T, et al. Vitamin D-supplemented yogurt drink reduces *Candida* infections in a paediatric intensive care unit: a randomised, placebo-controlled clinical trial. *J Hum Nutr Diet.* 2019 Feb 18. doi: 10.1111/jhn.12634 [Epub ahead of print].
- Zakharova I, Klimov L, Kuryaninova V, et al. Vitamin D Insufficiency in Overweight and Obese Children and Adolescents. *Front Endocrinol (Lausanne).* 2019 Mar 1;10:103. doi: 10.3389/fendo.2019.00103. eCollection 2019. Review.
- Zheng SS, Zhan JY, Zhu BQ, et al. [Vitamin D status in Chinese children: review of epidemiological studies]. *Zhonghua Er Ke Za Zhi.* 2019 Mar 2;57(3):232-234. doi: 10.3760/cma.j.issn.0578-1310.2019.03.017.
- Zittermann A, Pilz S, Berthold HK. Serum 25-hydroxyvitamin D response to vitamin D supplementation in infants: a systematic review and meta-analysis of clinical intervention trials. *Eur J Nutr.* 2019 Feb 5. doi:

10.1007/s00394-019-01912-x [Epub ahead of print].

PNEUMOLOGY

- Cook R, Thomas V, Martin R; NIHR Dissemination Centre. Can treating vitamin D deficiency reduce exacerbations of chronic obstructive pulmonary disease? *BMJ.* 2019 Mar 18;364:l1025. doi: 10.1136/bmj.l1025.
- Ferri S, Crimi C, Heffler E, et al. Vitamin D and disease severity in bronchiectasis. *Respir Med.* 2019 Mar;148:1-5. doi: 10.1016/j.rmed.2019.01.009 [Epub 2019 Jan 24].
- Jolliffe DA, Ganmaa D, Wejse C, et al. Adjunctive vitamin D in tuberculosis treatment: meta-analysis of individual participant data. *Eur Respir J.* 2019 Mar 7;53(3). pii: 1802003. doi: 10.1183/13993003.02003-2018. Print 2019 Mar.
- Leclair TR, Zakai N, Bunn JY, et al. Vitamin D Supplementation in Mechanically Ventilated Patients in the Medical Intensive Care Unit. *JPEN J Parenter Enteral Nutr.* 2019 Feb 12. doi: 10.1002/jpen.1520 [Epub ahead of print].
- Peçanha MB, Freitas RB, Moreira TR, et al. Prevalence of vitamin D deficiency and its relationship with factors associated with recurrent wheezing. *J Bras Pneumol.* 2019 Feb 11;45(1):e20170431. doi: 10.1590/1806-3713/e20170431.
- Yassa OY, Domac SF, Kenangil G. Serum Vitamin D Status does not Correlate with the Severity of Obstructive Sleep Apnea in Male Adults: A Controlled Study Design with Minimized Factors Influencing Serum Vitamin D Levels. *Int J Vitam Nutr Res.* 2019 Feb 20:1-7. doi: 10.1024/0300-9831/a000539 [Epub ahead of print].

PSYCHIATRY

- Abdul-Razzak KK, Alshogran OY, Altawalbeh SM, et al. Overactive bladder and associated psychological symptoms: A possible link to vitamin D and calcium. *Neurourol Urodyn.* 2019 Mar 14. doi: 10.1002/nau.23975 [Epub ahead of print].
- Arastoo AA, Khojastehkia H, Rahimi Z, et al. Correction to: Evaluation of serum

25-Hydroxy vitamin D levels in children with autism Spectrum disorder. *Ital J Pediatr.* 2019 Feb 4;45(1):22. doi: 10.1186/s13052-019-0611-4.

- Faivre S, Roche N, Lacerre F, et al. Vitamin D deficiency in a psychiatric population and correlation between vitamin D and CRP. *Encephale.* 2019 Mar 15. pii: S0013-7006(19)30044-2. doi: 10.1016/j.en-cep.2019.02.005 [Epub ahead of print].
- Ghaderi A, Banafshe HR, Mirhosseini N, et al. Clinical and metabolic response to vitamin D plus probiotic in schizophrenia patients. *BMC Psychiatry.* 2019 Feb 21;19(1):77. doi: 10.1186/s12888-019-2059-x.
- Ikonen H, Palaniswamy S, Nordström T, et al. Vitamin D status and correlates of low vitamin D in schizophrenia, other psychoses and non-psychotic depression - The Northern Finland Birth Cohort 1966 study. *Psychiatry Res.* 2019 Mar 12. pii: S0165-1781(18)32026-2. doi: 10.1016/j.psychres.2019.02.060 [Epub ahead of print].
- Park H, Suh B, Lee SJ. Shift work and depressive symptoms: the mediating effect of vitamin D and sleep quality. *Chronobiol Int.* 2019 Mar 7;1-9. doi: 10.1080/07420528.2019.1585367 [Epub ahead of print].
- Windham GC, Pearl M, Anderson MC, et al. Newborn vitamin D levels in relation to autism spectrum disorders and intellectual disability: A case-control study in California. *Autism Res.* 2019 Mar 18. doi: 10.1002/aur.2092 [Epub ahead of print].
- Woo YS, Kim S, Jeong JH, et al. Vitamin D Deficiency/Insufficiency among Inpatients with Depressive Symptoms. *Clin Psychopharmacol Neurosci.* 2019 Feb 28;17(1):121-124. doi: 10.9758/cpn.2019.17.1.121.
- Yazici E, Mutu Pek T, Guzel D, et al. Klotho, vitamin D and homocysteine levels during acute episode and remission periods in schizophrenia patients. *Nord J Psychiatry.* 2019 Mar 21:1-7. doi: 10.1080/08039488.2019.1582697 [Epub ahead of print].
- Zoghbi M, Haddad C, Hallit S, et al. Cognition and physical functioning in patients with schizophrenia: any role for vitamin D?

Nutr Neurosci. 2019 Feb 17:1-9. doi: 10.1080/1028415X.2019.1580830 [Epub ahead of print].

RHEUMATOLOGY

- Alshamrani HA, Alloub H, Burke D, et al. Vitamin D intake, calcium intake and physical activity among children with wrist and ankle injuries and the association with fracture risk. *Nutr Health.* 2019 Feb 6:260106019826422. doi: 10.1177/0260106019826422 [Epub ahead of print].
- Azar FM. Surgical Considerations for Osteoporosis, Osteopenia, and Vitamin D Deficiency. *Orthop Clin North Am.* 2019 Apr;50(2):xi. doi: 10.1016/j.ocl.2019.01.001 [Epub 2019 Feb 12].
- Bischoff-Ferrari HA, Orav EJ, Abderhalden L, et al. Vitamin D supplementation and musculoskeletal health. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):85. doi: 10.1016/S2213-8587(18)30347-4.
- Bolland MJ, Grey A, Avenell A. Vitamin D supplementation and musculoskeletal health - Authors' reply. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):88-89. doi: 10.1016/S2213-8587(18)30370-X.
- Bouillon R, Lips P, Bilezikian JP. Vitamin D supplementation and musculoskeletal health. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):85-86. doi: 10.1016/S2213-8587(18)30348-6.
- Charoengam N, Ponvilawan B, Ungprasert P. Vitamin D insufficiency and deficiency are associated with a higher level of serum uric acid: A systematic review and meta-analysis. *Mod Rheumatol.* 2019 Mar 4:1-6. doi: 10.1080/14397595.2019.1575000 [Epub ahead of print].
- Dal NE, Cerci P, Olmez U, et al. The role of vitamin D receptor gene polymorphisms in the pathogenesis of Behçet's disease: A case-control study in Turkish population. *Ann Hum Genet.* 2019 May;83(3):177-186. doi: 10.1111/ahg.12301 [Epub 2019 Feb 7].
- DeFontes K 3rd, Smith JT. Surgical Considerations for Vitamin D Deficiency in Foot and Ankle Surgery. *Orthop Clin North Am.* 2019 Apr;50(2):259-267. doi: 10.1016/j.ocl.2018.10.008 [Epub 2019 Feb 12] Review.
- Dzik KP, Kaczor JJ. Mechanisms of vitamin D on skeletal muscle function: oxidative stress, energy metabolism and anabolic state. *Eur J Appl Physiol.* 2019 Apr;119(4):825-839. doi: 10.1007/s00421-019-04104-x. Epub 2019 Mar 4. Review.
- Gaffney-Stomberg E, Nakayama AT, Guerriere KI, et al. Calcium and vitamin D supplementation and bone health in Marine recruits: Effect of season. *Bone.* 2019 Mar 19. pii: S8756-3282(19)30097-3. doi: 10.1016/j.bone.2019.03.021 [Epub ahead of print].
- Gonzalez Nguyen-Tang E, Parvex P, Gotschke A, et al. [Vitamin D deficiency and rickets?: screening and treatment, practical aspects for clinicians]. *Rev Med Suisse.* 2019 Feb 13;15(638):384-389.
- Gopal K, Thevarajah M, Ng CM, et al. Effects of vitamin D on disease activity and serum interleukin-6 in rheumatoid arthritis. *Int J Rheum Dis.* 2019 Feb 6. doi: 10.1111/1756-185X.13484 [Epub ahead of print].
- Grant WB, Boucher BJ. Vitamin D supplementation and musculoskeletal health. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):87-88. doi: 10.1016/S2213-8587(18)30350-4.
- Gundavda MK, Agarwal MG, Reddy R, et al. Is vitamin D deficiency behind the scenes for high incidence of Giant cell tumor amongst the Indian population? Unraveling the vitamin D - RANKL association. *Med Hypotheses.* 2019 Feb;123:67-71. doi: 10.1016/j.mehy.2018.12.010 [Epub 2018 Dec 21].
- Guney G, Sener-Simsek B, Tokmak A, et al. Assessment of the Relationship between Serum Vitamin D and Osteocalcin Levels with Metabolic Syndrome in Non-Osteoporotic Postmenopausal Women. *Geburtshilfe Frauenheilkd.* 2019 Mar;79(3):293-299. doi: 10.1055/a-0767-6572 [Epub 2019 Jan 22].
- Havdahl A, Mitchell R, Paternoster L, et al. Investigating causality in the association between vitamin D status and self-reported tiredness. *Sci Rep.* 2019 Feb 27;9(1):2880. doi: 10.1038/s41598-019-39359-z.
- Jiajue R, Jiang Y, Qi X, et al. Calcitropic Hormones and the Prevalence of Vertebral Fractures in Chinese Postmenopausal

- Women with Vitamin D Insufficiency: Peking Vertebral Fracture Study. *Calcif Tissue Int.* 2019 Feb 8. doi: 10.1007/s00223-019-00531-2 [Epub ahead of print].
- Khabbazi A, Ghojzadeh M, Hajebrahimi S, et al. Relationship Between Vitamin D Level and Behçet's Disease Activity: A Systematic Review and Meta-Analysis. *Int J Vitam Nutr Res.* 2019 Feb 21:1-8. doi: 10.1024/0300-9831/a000542 [Epub ahead of print].
 - Khajoei S, Hassaninevisi M, Kianmehr N, et al. Serum levels of adiponectin and vitamin D correlate with activity of Rheumatoid Arthritis. *Mol Biol Rep.* 2019 Mar 27. doi: 10.1007/s11033-019-04682-1 [Epub ahead of print].
 - Kiebzak GM, Neal KM, Hossienzadeh P, et al. Pitfalls with Vitamin D Research in Musculoskeletal Disorders and Recommendations on How to Avoid Them. *J Clin Res Pediatr Endocrinol.* 2019 Feb 14. doi: 10.4274/jcrpe.galenos.2019.2019.0007 [Epub ahead of print].
 - Kruger MC, Chan YM, Lau C, et al. Fortified Milk Supplementation Improves Vitamin D Status, Grip Strength, and Maintains Bone Density in Chinese Premenopausal Women Living in Malaysia. *Biores Open Access.* 2019 Mar 1;8(1):16-24. doi: 10.1089/biores.2018.0027. eCollection 2019.
 - Lerchbaum E, Trummer C, Theiler-Schwetz V, et al. Effects of Vitamin D Supplementation on Bone Turnover and Bone Mineral Density in Healthy Men: A Post-Hoc Analysis of a Randomized Controlled Trial. *Nutrients.* 2019 Mar 29;11(4). pii: E731. doi: 10.3390/nu11040731.
 - Li L, Chen J, Jiang Y. The association between vitamin D level and Sjögren's syndrome: A meta-analysis. *Int J Rheum Dis.* 2019 Mar;22(3):532-533. doi: 10.1111/1756-185X.13474 [Epub 2019 Feb 6].
 - Maekawa M. Bone Deformities of Osteomalacia with Vitamin D Deficiency. *Intern Med.* 2019 Mar 28. doi: 10.2169/internalmedicine.2164-18 [Epub ahead of print].
 - Martineau AR. Vitamin D supplementation and musculoskeletal health. *Lancet Diabetes Endocrinol.* 2019 Feb;7(2):86-87. doi: 10.1016/S2213-8587(18)30349-8.
 - Meyer K, Volkmann A, Hufnagel M, et al. Breastfeeding and vitamin D supplementation reduce the risk of Kawasaki disease in a German population-based case-control study. *BMC Pediatr.* 2019 Feb 26;19(1):66. doi: 10.1186/s12887-019-1438-2.
 - Moon AS, Boudreau S, Mussell E, et al. Current concepts in vitamin D and orthopaedic surgery. *Orthop Traumatol Surg Res.* 2019 Mar 8. pii: S1877-0568(19)30032-5. doi: 10.1016/j.otsr.2018.12.006 [Epub ahead of print] Review.
 - Nanayakkara D, Sun XS, Morris S, et al. Effect of Vitamin D Supplementation on Bone Turnover Markers during HIV Pre-exposure Prophylaxis using Tenofovir Disoproxil Fumarate-Emtricitabine in Men who have Sex with Men. *AIDS Res Hum Retroviruses.* 2019 Mar 23. doi: 10.1089/AID.2018.0280 [Epub ahead of print].
 - Pérez-Ferro M, Romero-Bueno FI, Serrano Del Castillo C, et al. A subgroup of lupus patients with nephritis, innate T cell activation and low vitamin D is identified by the enhancement of circulating MHC class I-related chain A. *Clin Exp Immunol.* 2019 Feb 8. doi: 10.1111/cei.13273 [Epub ahead of print].
 - Perry TA, Parkes MJ, Hodgson R, et al. Effect of Vitamin D supplementation on synovial tissue volume and subchondral bone marrow lesion volume in symptomatic knee osteoarthritis. *BMC Musculoskelet Disord.* 2019 Feb 14;20(1):76. doi: 10.1186/s12891-019-2424-4.
 - Renerts K, Fischer K, Dawson-Hughes B, et al. Effects of a simple home exercise program and vitamin D supplementation on health-related quality of life after a hip fracture: a randomized controlled trial. *Qual Life Res.* 2019 Feb 9. doi: 10.1007/s11136-019-02100-4 [Epub ahead of print].
 - Rodríguez-Carrio J, Alperi-López M, Naves-Díaz M, et al. Vitamin D Receptor Polymorphism and DHCR7 Contribute to the Abnormal Interplay Between Vitamin D and Lipid Profile in Rheumatoid Arthritis. *Sci Rep.* 2019 Feb 22;9(1):2546. doi: 10.1038/s41598-019-38756-8.
 - Roh YH, Hong SW, Chung SW, et al. Altered gene and protein expressions of vitamin D receptor in skeletal muscle in sarco- penic patients who sustained distal radius fractures. *J Bone Miner Metab.* 2019 Feb 21. doi: 10.1007/s00774-019-00995-0 [Epub ahead of print].
 - Sako S, Niida Y, Shima KR, et al. A novel PHEX mutation associated with vitamin D-resistant rickets. *Hum Genome Var.* 2019 Feb 14;6:9. doi: 10.1038/s41439-019-0040-3. eCollection 2019.
 - Sato Y, Kuno H, Asoh T, et al. Expression of concern: Effect of immobilization on vitamin D status and bone mass in chronically hospitalized disabled stroke patients. *Age Ageing.* 2019 Feb 5. doi: 10.1093/ageing/afy221 [Epub ahead of print].
 - Sawatsubashi S, Nishimura K, Mori J, et al. The Function of the Vitamin D Receptor and a Possible Role of Enhancer RNA in Epigenomic Regulation of Target Genes: Implications for Bone Metabolism. *J Bone Metab.* 2019 Feb;26(1):3-12. doi: 10.11005/jbm.2019.26.1.3 [Epub 2019 Feb 28]. Review.
 - Sharawat IK, Dawman L. Bone mineral density and its correlation with vitamin D status in healthy school-going children of Western India. *Arch Osteoporos.* 2019 Feb 2;14(1):13. doi: 10.1007/s11657-019-0568-3.
 - Shea MK, Fielding RA, Dawson-Hughes B. The effect of vitamin D supplementation on lower-extremity power and function in older adults: a randomized controlled trial. *Am J Clin Nutr.* 2019 Feb 1;109(2):369-379. doi: 10.1093/ajcn/nqy290.
 - Shirvani SS, Nouri M, Sakhinia E, et al. The Molecular and Clinical Evidence of Vitamin D Signaling as a Modulator of the Immune System: Role in Behçet's Disease. *Immunol Lett.* 2019 Mar 29. pii: S0165-2478(18)30576-5. doi: 10.1016/j.imlet.2019.03.017 [Epub ahead of print].
 - Sugiyama T. Towards a Consensus on Vitamin D Supplementation and Bone Health. *J Bone Miner Res.* 2019 Feb;34(2):399-400. doi: 10.1002/jbmr.3634 [Epub 2019 Feb 7].
 - Sun J, Zhang S, Liu JS, et al. Expression of vitamin D receptor in renal tissue of lupus nephritis and its association with renal injury activity. *Lupus.* 2019 Mar;28(3):290-294. doi: 10.1177/0961203319826704 [Epub 2019 Jan 28].

- Tanabe S, Yano S, Mishima S, et al. Physical inactivity and vitamin D deficiency in hospitalized elderly. *J Bone Miner Metab.* 2019 Mar 26. doi: 10.1007/s00774-019-00996-z [Epub ahead of print].
- Teshima T, Kurita S, Sasaki T, et al. A genetic variant of CYP2R1 identified in a cat with type 1B vitamin D-dependent rickets: a case report. *BMC Vet Res.* 2019 Feb 18;15(1):62. doi: 10.1186/s12917-019-1784-1.
- Tong T, Liu Z, Zhang H, et al. Age-dependent expression of the Vitamin D receptor and the protective effect of Vitamin D receptor activation on H2O2-induced apoptosis in rat intervertebral disc cells. *J Steroid Biochem Mol Biol.* 2019 Mar 21. pii: S0960-0760(18)30751-9. doi: 10.1016/j.jsbmb.2019.03.013 [Epub ahead of print].
- Veselka B, Brickley MB, D'Ortenzio L, et al. Micro-CT assessment of dental mineralization defects indicative of vitamin D deficiency in two 17th-19th century Dutch communities. *Am J Phys Anthropol.* 2019 Mar 18. doi: 10.1002/ajpa.23819 [Epub ahead of print].
- Wakahashi K, Minagawa K, Kawano Y, et al. Vitamin D receptor-mediated skewed differentiation of macrophages initiates myelofibrosis and subsequent osteosclerosis. *Blood.* 2019 Feb 4. pii: blood-2018-09-876615. doi: 10.1182/blood-2018-09-876615 [Epub ahead of print].
- Wang J, Wang X, Gu Y, et al. Vitamin D is related to handgrip strength in adult men aged 50 years and over: A population study from the TCLSIH cohort study. *Clin Endocrinol (Oxf).* 2019 Feb 18. doi: 10.1111/cen.13952 [Epub ahead of print].
- Yang Y, Wu F, Winzenberg T, et al. The Association of Vitamin D in Youth and Early Adulthood with Bone Mineral Density and Microarchitecture in Early Adulthood. *Calcif Tissue Int.* 2019 Feb 1. doi: 10.1007/s00223-019-00529-w [Epub ahead of print].