

SELEZIONE BIBLIOGRAFICA

CARDIOLOGIA

- Cakal S, Çakal B, Karaca O. Association of vitamin D deficiency with arterial stiffness in newly diagnosed hypertension. *Blood Press Monit.* 2020 Nov 23. doi: 10.1097/MBP.0000000000000497. Online ahead of print. PMID: 33234810
- Abdallah AA, Elrhman MAA, Elshazly A, et al. Relationship of serum vitamin D levels with coronary thrombus grade, TIMI flow, and myocardial blush grade in patients with acute ST-segment elevation myocardial infarction. *Egypt Heart J.* 2020 Nov 23;72(1):84. doi: 10.1186/s43044-020-00118-5. PMID: 33226540
- Busa V, Dardeir A, Marudhai S, et al. Role of Vitamin D Supplementation in Heart Failure Patients With Vitamin D Deficiency and Its Effects on Clinical Outcomes: A Literature Review. *Cureus.* 2020 Oct 7;12(10):e10840. doi: 10.7759/cureus.10840. PMID: 33173646
- Compton ALP, Pepin MJ, Katzenberger DR, et al. Vitamin D Supplementation During Statin Rechallenge in Patients With a History of Intolerance. *Ann Pharmacother.* 2020 Oct 15;1060028020966546. doi: 10.1177/1060028020966546. Online ahead of print. PMID: 33054316
- Dal Canto E, Beulens JWJ, Elders P, et al. The Association of Vitamin D and Vitamin K Status with Subclinical Measures of Cardiovascular Health and All-Cause Mortality in Older Adults: The Hoorn Study. *J Nutr.* 2020 Oct 29:nxa293. doi: 10.1093/jn/nxa293. Online ahead of print. PMID: 33119768
- Farrokhan A, Raygan F, Bahmani F, et al. An Expression of Concern from The Journal of Nutrition's Editorial Office about: Long-Term Vitamin D Supplementation Affects Metabolic Status in Vitamin D-Deficient Type 2 Diabetic Patients with Coronary Artery Disease. *J Nutr.* 2020 Nov 19;150(11):3041. doi: 10.1093/jn/nxa339. PMID: 33097943
- Ferraz GC, Andrade RR, Reis FMP, et al. Association between vitamin D and cardioprotection in adult patients. *Rev Assoc Med Bras (1992).* 2020 Oct;66(10):1444-1448. doi: 10.1590/1806-9282.66.10.1444. PMID: 33174941
- Islam MM, Sharif JU, Khan S, et al. Relationship of Plasma Vitamin-D Level with Left Ventricular Ejection Fraction in Patients with First Attack of Acute Myocardial Infarction. *Mymensingh Med J.* 2020 Oct;29(4):852-858. PMID: 33116087
- Kaur H, Singh J, Kashyap JR, et al. Relationship Between Statin-associated Muscle Symptoms, Serum Vitamin D and Low-density Lipoprotein Cholesterol - A Cross-sectional Study. *Eur Endocrinol.* 2020 Oct;16(2):137-142. doi: 10.17925/EE.2020.16.2.137. Epub 2020 Oct 6. PMID: 33117445
- Krysiak R, Kowalcze K, Okopień B. The impact of vitamin D status on cardiometabolic effects of fenofibrate in women with atherogenic dyslipidemia. *Clin Exp Pharmacol Physiol.* 2020 Oct 24. doi: 10.1111/1440-1681.13428. Online ahead of print. PMID: 33098674
- Lim K, Molostov G, Lubczanska M, et al. Impaired arterial vitamin D signaling occurs in the development of vascular calcification. *PLoS One.* 2020 Nov 19;15(11):e0241976. doi: 10.1371/journal.pone.0241976. eCollection 2020. PMID: 33211721
- Liou SF, Nguyen TTN, Hsu JH, et al. The Preventive Effects of Xanthohumol on Vascular Calcification Induced by Vitamin D(3) Plus Nicotine. *Antioxidants (Basel).* 2020 Oct 6;9(10):956. doi: 10.3390/antiox9100956. PMID: 33036258
- McNally JD, O'Hearn K, Fergusson DA, et al. Prevention of post-cardiac surgery vitamin D deficiency in children with congenital heart disease: a pilot feasibility dose evaluation randomized controlled trial. *Pilot Feasibility Stud.* 2020 Oct 22;6:159. doi: 10.1186/s40814-020-00700-3. eCollection 2020. PMID: 33110622
- Sharif JU, Islam MM, Bari MA, et al. Status of Plasma Vitamin-D Level in Predicting Adverse In-Hospital Outcome in Patients with First Attack of Acute Myocardial Infarction. *Mymensingh Med J.* 2020 Oct;29(4):829-837. PMID: 33116084
- Sukkarieh HH, Bustami RT, Abdu MN, et al. The current practice of using angiotensin-converting enzyme inhibitors and angio-

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tensin II receptor blockers in diabetic hypertensive and non-hypertensive patients. Is there a room for vitamin D? *Saudi Med J.* 2020 Oct;41(10):1083-1089. doi: 10.15537/smj.2020.10.25428. PMID: 33026049

- Sziva RE, Fontányi Z, Pál É, et al. Vitamin D Deficiency Induces Elevated Oxidative and Biomechanical Damage in Coronary Arterioles in Male Rats. *Antioxidants (Basel).* 2020 Oct 15;9(10):997. doi: 10.3390/antiox9100997. PMID: 33076449
- Verdoia M, Nardin M, Rolla R, et al. Association of lower vitamin D levels with inflammation and leucocytes parameters in patients with and without diabetes mellitus undergoing coronary angiography. *Eur J Clin Invest.* 2020 Oct 28:e13439. doi: 10.1111/eci.13439. Online ahead of print. PMID: 33112413
- Wan J, Yuan J, Li X, et al. Association between serum vitamin D levels and venous thromboembolism (VTE): A systematic review and meta-analysis of observational studies. *Complement Ther Med.* 2020 Nov;54:102579. doi: 10.1016/j.ctim.2020.102579. Epub 2020 Sep 22. PMID: 33183675 Review.

CORONA VIRUS DISEASE

- Yu L, Ke HJ, Che D, et al. Effect of Pandemic-Related Confinement on Vitamin D Status Among Children Aged 0-6 Years in Guangzhou, China: A Cross-Sectional Study. *Risk Manag Healthc Policy.* 2020 Nov 19;13:2669-2675. doi: 10.2147/RMHP.S282495. eCollection 2020. PMID: 33239928
- [No authors listed] Do Low Vitamin D Levels Increase COVID-19 Risk? *Am J Nurs.* 2020 Nov;120(11):16. doi: 10.1097/01.NAJ.0000721884.47230.b1. PMID: 33105209
- Abrishami A, Dalili N, Mohammadi Torbat P, et al. Possible association of vitamin D status with lung involvement and outcome in patients with COVID-19: a retrospective study. *Eur J Nutr.* 2020 Oct 30:1-9. doi: 10.1007/s00394-020-02411-0. Online ahead of print. PMID: 33123774
- Anderson DC, Grimes DS. Vitamin D deficiency and COVID-19. *Clin Med (Lond).* 2020 Nov;20(6):e282-e283. doi: 10.7861/clinmed.let.20.6.9. PMID: 33199348
- Annweiler C, Hanotte B, Grandin de l'Eprevier C, et al. Vitamin D and survival in COVID-19 patients: A quasi-experimental study. *J Steroid Biochem Mol Biol.* 2020 Nov;204:105771. doi: 10.1016/j.jsbmb.2020.105771. Epub 2020 Oct 13. PMID: 33065275
- Annweiler G, Corvaisier M, Gautier J, et al. Vitamin D Supplementation Associated to Better Survival in Hospitalized Frail Elderly COVID-19 Patients: The GERIA-COVID Quasi-Experimental Study. *Nutrients.* 2020 Nov 2;12(11):3377. doi: 10.3390/nu12113377. PMID: 33147894
- Bae M, Kim H. Mini-Review on the Roles of Vitamin C, Vitamin D, and Selenium in the Immune System against COVID-19. *Molecules.* 2020 Nov 16;25(22):5346. doi: 10.3390/molecules25225346. PMID: 33207753
- Balla M, Merugu GP, Konala VM, et al. Back to basics: review on vitamin D and respiratory viral infections including COVID-19. *J Community Hosp Intern Med Perspect.* 2020 Oct 29;10(6):529-536. doi: 10.1080/20009666.2020.1811074. PMID: 33194123
- Brown RE, Wolf DA, Tahseen D. Morphoproteomics Identifies the Vitamin D Receptor as a Potential Therapeutic Partner in Alveolar Macrophages for COVID-19 Infected Patients. *Ann Clin Lab Sci.* 2020 Sep;50(5):699-700. PMID: 33067219
- Campbell PA, Young MW, Lee RC. Vitamin D Clinical Pharmacology: Relevance to COVID-19 Pathogenesis. *J Natl Med Assoc.* 2020 Nov 1:S0027-9684(20)30335-7. doi: 10.1016/j.jnma.2020.09.152. Online ahead of print. PMID: 33148446
- Cereda E, Bogliolo L, Klerys C, et al. Vitamin D 25OH deficiency in COVID-19 patients admitted to a tertiary referral hospital. *Clin Nutr.* 2020 Nov 2:S0261-5614(20)30601-4. doi: 10.1016/j.clnu.2020.10.055. Online ahead of print. PMID: 33187772
- Diep PT. Is there an underlying link between COVID-19, ACE2, oxytocin and vitamin D? *Med Hypotheses.* 2020 Nov 11:110360. doi: 10.1016/j.mehy.2020.110360. Online ahead of print. PMID: 33214002
- Ferrari D, Locatelli M, Briguglio M, et al. Is there a link between vitamin D status, SARS-CoV-2 infection risk and COVID-19 severity? *Cell Biochem Funct.* 2020 Nov 2. doi: 10.1002/cbf.3597. Online ahead of print. PMID: 33137851 Review.
- Ferrari D, Locatelli M. No significant association between vitamin D and COVID-19. A retrospective study from a northern Italian hospital. *Int J Vitam Nutr Res.* 2020 Nov 2:1-4. doi: 10.1024/0300-9831/a000687. Online ahead of print. PMID: 33135597
- Griffin G, Hewison M, Hopkin J, et al. Preventing vitamin D deficiency during the COVID-19 pandemic: UK definitions of vitamin D sufficiency and recommended supplement dose are set too low. *Clin Med (Lond).* 2020 Nov 6:clinmed.2020-0858. doi: 10.7861/clinmed.2020-0858. Online ahead of print. PMID: 33158957
- Hars M, Mendes A, Serratrice C, et al. Sex-specific association between vitamin D deficiency and COVID-19 mortality in older patients. *Osteoporos Int.* 2020 Dec;31(12):2495-2496. doi: 10.1007/s00198-020-05677-6. Epub 2020 Oct 13. PMID: 33048168
- Hasle G. Vitamin D and COVID-19. *Tidsskr Nor Laegeforen.* 2020 Nov 9;140(16). doi: 10.4045/tidsskr.20.0803. Print 2020 Nov 10. PMID: 33172237
- Hastie CE, Pell JP, Sattar N. Reply to: Prognostic implications of vitamin D in patients with COVID-19. *Eur J Nutr.* 2020 Nov 23:1. doi: 10.1007/s00394-020-02430-x. Online ahead of print. PMID: 33225400
- Hernández JL, Nan D, Fernandez-Ayala M, et al. Vitamin D Status in Hospitalized Patients with SARS-CoV-2 Infection. *J Clin Endocrinol Metab.* 2020 Oct 27:dgaa733. doi: 10.1210/clinem/dgaa733. Online ahead of print. PMID: 33159440
- Honardoost M, Ghavidel Darestani M, Khamseh ME. Role of vitamin D in pathogenesis and severity of COVID-19 infection. *Arch Physiol Biochem.* 2020 Oct 30:1-7. doi: 10.1080/13813455.2020.1792505. Online ahead of print. PMID: 33125298
- Hosack T, Baktash V, Mandal AKJ, et al. Prognostic implications of vitamin D in patients with COVID-19. *Eur J Nutr.* 2020 Nov 23:1-2. doi: 10.1007/s00394-020-02429-4. Online ahead of print. PMID: 33225401
- Jain A, Chaurasia R, Sengar NS, et al. Analysis of vitamin D level among asymptomatic and critically ill COVID-19 patients and its correlation with inflammatory markers. *Sci Rep.* 2020 Nov 19;10(1):20191. Online ahead of print. PMID: 33158957

doi: 10.1038/s41598-020-77093-z.
PMID: 33214648

- Jain SK, Parsanathan R, Levine SN, et al. The potential link between inherited G6PD deficiency, oxidative stress, and vitamin D deficiency and the racial inequities in mortality associated with COVID-19. *Free Radic Biol Med.* 2020 Oct 7;161:84-91. doi: 10.1016/j.freeradbiomed.2020.10.002. Online ahead of print. PMID: 33038530
- Kumar R, Himani, Haq A, et al. Putative Roles of Vitamin D in Modulating Immune Response and Immunopathology Associated With COVID-19. *Virus Res.* 2020 Nov 21;198235. doi: 10.1016/j.virusres.2020.198235. Online ahead of print. PMID: 33232783
- Luo X, Liao Q, Shen Y, et al. Vitamin D Deficiency Is Inversely Associated with COVID-19 Incidence and Disease Severity in Chinese People. *J Nutr.* 2020 Nov 13:nxaa332. doi: 10.1093/jn/nxaa332. Online ahead of print. PMID: 33188401
- McCartney DM, O'Shea PM, Faul JL, et al. Vitamin D and SARS-CoV-2 infection-evolution of evidence supporting clinical practice and policy development : A position statement from the Covit-D Consortium. *Ir J Med Sci.* 2020 Nov 21:1-13. doi: 10.1007/s11845-020-02427-9. Online ahead of print. PMID: 33219912
- Mercola J, Grant WB, Wagner CL. Evidence Regarding Vitamin D and Risk of COVID-19 and Its Severity. *Nutrients.* 2020 Oct 31;12(11):3361. doi: 10.3390/nu12113361. PMID: 33142828
- Musavi H, Abazari O, Barartabar Z, et al. The benefits of Vitamin D in the COVID-19 pandemic: biochemical and immunological mechanisms. *Arch Physiol Biochem.* 2020 Oct 8:1-9. doi: 10.1080/13813455.2020.1826530. Online ahead of print. PMID: 33030073
- Padhi S, Suvankar S, Panda VK, et al. Lower levels of vitamin D are associated with SARS-CoV-2 infection and mortality in the Indian population: An observational study. *Int Immunopharmacol.* 2020 Nov;88:107001. doi: 10.1016/j.intimp.2020.107001. Epub 2020 Sep 14. PMID: 33182040
- Pagano MT, Peruzzo D, Ruggieri A, et al. Vitamin D and Sex Differences in COVID-19. *Front Endocrinol (Lausanne).* 2020 Sep 30;11:567824. doi: 10.3389/fendo.2020.567824. eCollection 2020. PMID: 33101200
- Pereira M, Dantas Damascena A, Galvão Azevedo LM, et al. Vitamin D deficiency aggravates COVID-19: systematic review and meta-analysis. *Crit Rev Food Sci Nutr.* 2020 Nov 4:1-9. doi: 10.1080/10408398.2020.1841090. Online ahead of print. PMID: 33146028
- PLOS ONE Editors. Expression of Concern: Vitamin D sufficiency, a serum 25-hydroxyvitamin D at least 30 ng/mL reduced risk for adverse clinical outcomes in patients with COVID-19 infection. *PLoS One.* 2020 Oct 14;15(10):e0240965. doi: 10.1371/journal.pone.0240965. eCollection 2020. PMID: 33052972
- Rastogi A, Bhansali A, Khare N, et al. Short term, high-dose vitamin D supplementation for COVID-19 disease: a randomised, placebo-controlled, study (SHADE study). *Postgrad Med J.* 2020 Nov 12:postgradmedj-2020-139065. doi: 10.1136/postgradmedj-2020-139065. Online ahead of print. PMID: 33184146
- Saita Y. Risk/caution of vitamin D insufficiency for quarantined athletes returning to play after COVID-19. *BMJ Open Sport Exerc Med.* 2020 Oct 19;6(1):e000882. doi: 10.1136/bmjssem-2020-000882. eCollection 2020. PMID: 33178445
- Silberstein M. Correlation between pre-morbid IL-6 levels and COVID-19 mortality: Potential role for Vitamin D. *Int Immunopharmacol.* 2020 Nov;88:106995. doi: 10.1016/j.intimp.2020.106995. Epub 2020 Sep 11. PMID: 33182059
- Smolders J, van den Ouwehand J, Geven C, et al. Letter to the Editor: Vitamin D deficiency in COVID-19: Mixing up cause and consequence. *Metabolism.* 2020 Nov 17;154434. doi: 10.1016/j.metabol.2020.154434. Online ahead of print. PMID: 33217408
- Tan CW, Ho LP, Kalimuddin S, et al. Cohort study to evaluate the effect of vitamin D, magnesium, and vitamin B(12) in combination on progression to severe outcomes in older patients with coronavirus (COVID-19). *Nutrition.* 2020 Nov-Dec;79-80:111017. doi: 10.1016/j.nut.2020.111017. Epub 2020 Sep 8. PMID: 33039952
- van Kempen TA, Deixler E. SARS-CoV-2: Influence of phosphate and magnesium, moderated by vitamin D, on energy (ATP)-metabolism and on severity of COVID-19. *Am J Physiol Endocrinol Metab.* 2020 Nov 11. doi: 10.1152/ajpendo.00474.2020. Online ahead of print. PMID: 33174766
- Wang R, DeGruccola V, Lei Q, et al. The vitamin D for COVID-19 (ViViD) trial: A pragmatic cluster-randomized design. *Contemp Clin Trials.* 2020 Oct 9:106176. doi: 10.1016/j.cct.2020.106176. Online ahead of print. PMID: 33045402
- Xiao D, Li X, Su X, et al. Could SARS-CoV-2-induced lung injury be attenuated by vitamin D? *Int J Infect Dis.* 2020 Oct 28;102:196-202. doi: 10.1016/j.ijid.2020.10.059. Online ahead of print. PMID: 33129966
- Ye K, Tang F, Liao X, et al. Does Serum Vitamin D Level Affect COVID-19 Infection and Its Severity? A Case-Control Study. *J Am Coll Nutr.* 2020 Oct 13:1-8. doi: 10.1080/07315724.2020.1826005. Online ahead of print. PMID: 33048028
- Yilmaz K, Sen V. Is vitamin D deficiency a risk factor for COVID-19 in children? *Pediatr Pulmonol.* 2020 Dec;55(12):3595-3601. doi: 10.1002/ppul.25106. Epub 2020 Oct 13. PMID: 33017102
- Zhang J, McCullough PA, Tecson KM. Vitamin D deficiency in association with endothelial dysfunction: Implications for patients with COVID-19. *Rev Cardiovasc Med.* 2020 Sep 30;21(3):339-344. doi: 10.31083/j.rcm.2020.03.131. PMID: 33070539

DERMATOLOGIA

- Theodoridis X, Grammatikopoulou MG, Stamouli EM, et al. Effectiveness of oral vitamin D supplementation in improving disease severity among patients with psoriasis: a systematic review and meta-analysis of randomized controlled trials. *Nutrition.* 2020 Sep 18;111024. doi: 10.1016/j.nut.2020.111024. Online ahead of print. PMID: 33183899 Review.
- [No authors listed] Erratum: Vitamin D Levels in Patients with and without Acne and Its Relation to Acne Severity: A Case-Control Study [Corrigendum]. *Clin Cosmet Investig Dermatol.* 2020 Nov 2;13:815. doi: 10.2147/CCID.S287756. eCollection 2020. PMID: 33173322
- Alhetheli G, Elneam AIA, Alsenaid A, et al. Vitamin D Levels in Patients with and without Acne and Its Relation to Acne Severity:

A Case-Control Study. *Clin Cosmet Investig Dermatol.* 2020 Oct 7;13:759-765. doi: 10.2147/CCID.S271500. eCollection 2020. PMID: 33116739

- Drodge DR, Budu-Aggrey A, Paternoster L. Causal Analysis Shows Evidence of Atopic Dermatitis Leading to an Increase in Vitamin D Levels. *J Invest Dermatol.* 2020 Oct 15:S0022-202X(20)32144-8. doi: 10.1016/j.jid.2020.09.013. Online ahead of print. PMID: 33069727
- Grassi T, Panico A, Bagordo F, et al. Direct detection of free vitamin D as a tool to assess risk conditions associated with chronic plaque psoriasis. *J Prev Med Hyg.* 2020 Oct 6;61(3):E489-E495. doi: 10.15167/2421-4248/jpmh2020.61.3.1482. eCollection 2020 Sep. PMID: 33150238
- Gupta M, Maamoun W, Maher M, et al. Ensuring universal assessment and management of vitamin D status in melanoma patients at secondary care level: a service improvement project. *Br J Hosp Med (Lond).* 2020 Oct 2;81(10):1-5. doi: 10.12968/hmed.2020.0128. Epub 2020 Oct 16. PMID: 33135930
- Mahmoud SB, Anwar MK, Shaker OG, et al. Possible Relation between Vitamin D and Interleukin-17 in the Pathogenesis of Lichen Planus. *Dermatology.* 2020 Oct 22:1-6. doi: 10.1159/000510539. Online ahead of print. PMID: 33091918
- Matsui MS. Vitamin D Update. *Curr Dermatol Rep.* 2020 Oct 14:1-8. doi: 10.1007/s13671-020-00315-0. Online ahead of print. PMID: 33078087
- Näsén C, Becker W, Pearson M, et al. Vitamin D status in children and adults in Sweden: dietary intake and 25-hydroxyvitamin D concentrations in children aged 10-12 years and adults aged 18-80 years. *J Nutr Sci.* 2020 Oct 12;9:e47. doi: 10.1017/jns.2020.40. eCollection 2020. PMID: 33101664
- Narang RK, Gamble GG, Khaw KT, et al. A prediction tool for vitamin D deficiency in New Zealand adults. *Arch Osteoporos.* 2020 Oct 31;15(1):172. doi: 10.1007/s11657-020-00844-y. PMID: 33128635
- Özel E, Cantarero-Arevalo L, Jacobsen R. Vitamin D Knowledge, Attitudes, and Behaviors in Young Danish Women with a Non-Western Ethnic Minority Background-A Questionnaire Survey. *Int J Environ Res Public Health.* 2020 Nov 1;17(21):8053. doi: 10.3390/ijerph17218053. PMID: 33139622
- Utri Z, Gąbska D. Vitamin D Intake in a Population-Based Sample of Young Polish Women, Its Major Sources and the Possibility of Meeting the Recommendations. *Foods.* 2020 Oct 17;9(10):1482. doi: 10.3390/foods9101482. PMID: 33080781
- Walker P, Kifley A, Kurle S, et al. Increasing the uptake of vitamin D supplement use in Australian residential aged care facilities: results from the vitamin D implementation (ViDAus) study. *BMC Geriatr.* 2020 Oct 6;20(1):383. doi: 10.1186/s12877-020-01784-5. PMID: 33023492
- Wilson LF, Xu Z, Mishra GD, et al. Did changes to recommended testing criteria affect the rate of vitamin D testing among Australian women. *Arch Osteoporos.* 2020 Oct 16;15(1):162. doi: 10.1007/s11657-020-00840-2. PMID: 33067691
- Wojcicki AV, George PE, Palzer EF, et al. Vitamin D Deficiency in a Minnesota-Based Foster Care Population: A Cross Sectional Study. *Child Youth Serv Rev.* 2020 Dec;119:105611. doi: 10.1016/j.childyouth.2020.105611. Epub 2020 Oct 15. PMID: 33162630
- Yang C, Mao M, Ping L, et al. Prevalence of vitamin D deficiency and insufficiency among 460,537 children in 825 hospitals from 18 provinces in mainland China. *Medicine (Baltimore).* 2020 Oct 30;99(44):e22463. doi: 10.1097/MD.00000000000022463. PMID: 33126300

EPIDEMIOLOGIA

- Essig S, Merlo C, Reich O, et al. Potentially inappropriate testing for vitamin D deficiency: a cross-sectional study in Switzerland. *BMC Health Serv Res.* 2020 Nov 27;20(1):1097. doi: 10.1186/s12913-020-05956-2. PMID: 33246469
- Avenell A, Bolland MJ, Grey A. Population vitamin D supplementation in UK adults: too much of nothing? *Drug Ther Bull.* 2020 Nov 18:dtb-2020-000060. doi: 10.1136/dtb.2020.000060. Online ahead of print. PMID: 33208390 Review.
- Black IJ, Dunlop E, Lucas RM, et al. Prevalence and predictors of vitamin D deficiency in a nationally representative sample of Australian Aboriginal and Torres Strait Islander adults. *Br J Nutr.* 2020 Oct 8:1-9. doi: 10.1017/S0007114520003931. Online ahead of print. PMID: 33028435
- Chijioke OH, Ehienagudia AM, Akinwande OM. Low Vitamin D Levels and Correlates Amongst Adult Nigerians in North Central Nigeria. *West Afr J Med.* 2020 Nov;37(6):631-639. PMID: 33185258
- das B, Nadeem S. Vitamin D Usage among Pakistani Population - Too Much of a Good Thing. *J Coll Physicians Surg Pak.* 2020 Sep;30(9):1002. doi: 10.29271/jcpsp.2020.09.1002. PMID: 33036696
- de Souza Freitas R, Fratelli CF, de Souza Silva CM, et al. Association of Vitamin D with the TaqI Polymorphism of the VDR Gene in Older Women Attending the Basic Health Unit of the Federal District, DF [Brazil]. *J Aging Res.* 2020 Sep 24;2020:7145193. doi: 10.1155/2020/7145193. eCollection 2020. PMID: 33029399
- Fontanive TO, Dick NRM, Valente MCS, et al. Seasonal variation of vitamin D among healthy adult men in a subtropical region. *Rev Assoc Med Bras (1992).* 2020 Oct;66(10):1431-1436. doi: 10.1590/1806-9282.66.10.1431. PMID: 33174939
- He H, Zeng Y, Wang X, et al. Meteorological Condition and Air Pollution Exposure Associated with Vitamin D Deficiency: A Cross-Sectional Population-Based Study in China. *Risk Manag Healthc Policy.* 2020 Oct 29;13:2317-2324. doi: 10.2147/RMHP.S273145. eCollection 2020. PMID: 33154683
- Hu Y, Li S, Liu Z, et al. [Exploring study on the cutoff of vitamin D deficiency in Chinese adults]. *Wei Sheng Yan Jiu.* 2020 Sep;49(5):699-704. doi: 10.19813/j.cnki.weishengyanjiu.2020.05.001. PMID: 33070813 Chinese.
- Kraus FB, Medenwald D, Ludwig-Kraus B. Do extreme summers increase blood vitamin D (25-hydroxyvitamin D) levels? *PLoS One.* 2020 Nov 10;15(11):e0242230. doi: 10.1371/journal.pone.0242230. eCollection 2020. PMID: 33170904
- Mo M, Yu Y. Response to editor "A systematic review and meta-analysis of the response of serum 25-hydroxyvitamin D concentration to vitamin D supplementation from RCTs from around the globe". *Eur J Clin Nutr.* 2020 Nov;74(11):1615-1617. doi: 10.1038/s41430-020-00769-2. Epub 2020 Oct 7. PMID: 33028969

EMATOLOGIA

- OlmuşÇelik O, Seviİndik ÖG. Correlation between serum vitamin d level and dichotomous distribution of hematological parameters in a cohort of 12709 patients. *Turk J Med Sci.* 2020 Nov 11. doi: 10.3906/sag-2008-124. Online ahead of print. PMID: 33172224
- El-Serafi A, He R, Zheng W, et al. Vitamin D levels and busulphan kinetics in patients undergoing hematopoietic stem cell transplantation, a multicenter study. *Bone Marrow Transplant.* 2020 Oct 21. doi: 10.1038/s41409-020-01091-y. Online ahead of print. PMID: 33087877
- Grégoire-Pelchat P, Pastore Y, Robitaille N, et al. Comparison of two vitamin D supplementation strategies in children with sickle cell disease: a randomized controlled trial. *Br J Haematol.* 2020 Nov 10. doi: 10.1111/bjh.17119. Online ahead of print. PMID: 33169863
- Kan A, Sayli TR. Effects of vitamin D prophylaxis on oral iron treatments of iron deficiency anemia. *Minerva Pediatr.* 2020 Oct 27. doi: 10.23736/S0026-4946.20.06073-9. Online ahead of print. PMID: 33107278
- Mao J, Yin H, Wang L, et al. Prognostic value of 25-hydroxy vitamin D in extranodal NK/T cell lymphoma. *Ann Hematol.* 2020 Nov 2. doi: 10.1007/s00277-020-04320-y. Online ahead of print. PMID: 33140135

ENDOCRINOLOGIA

- Palacios C, Pérez CM, González-Sepúlveda I, et al. Vitamin D, Calcium, Magnesium, and Potassium Consumption and Markers of Glucose Metabolism in the Hispanic Community Health Study/Study of Latinos. *J Am Coll Nutr.* 2020 Nov 30;1-10. doi: 10.1080/07315724.2020.1833790. Online ahead of print. PMID: 33252321
- Ahmed IHM, Butler AE, Dargham SR, et al. Vitamin D(3) metabolite ratio as an indicator of vitamin D status and its association with diabetes complications. *BMC Endocr Disord.* 2020 Oct 27;20(1):161. doi: 10.1186/s12902-020-00641-1. PMID: 33109163
- AlAnouti F, Abboud M, Papandreou D, et al. Effects of Vitamin D Supplementation on Lipid Profile in Adults with the Metabolic Syndrome: A Systematic Review and Meta-Analysis of Randomized Controlled Trials.

Nutrients. 2020 Oct 30;12(11):3352. doi: 10.3390/nu12113352. PMID: 33143204

- Barrea L, Frias-Toral E, Pugliese G, et al. Vitamin D in obesity and obesity-related diseases: an overview. *Minerva Endocrinol.* 2020 Nov 19. doi: 10.23736/S0391-1977.20.03299-X. Online ahead of print. PMID: 33213116
- Bonnet L, Karkeni E, Couturier C, et al. 4-days high fat diet modulates vitamin D metabolites levels and enzymes in mice. *J Endocrinol.* 2020 Oct 1;JOE-20-0198.R2. doi: 10.1530/JOE-20-0198. Online ahead of print. PMID: 33112799
- Bove A, Dei Rocini C, Di Renzo RM, et al. Vitamin D Deficiency as a Predictive Factor of Transient Hypocalcemia after Total Thyroidectomy. *Int J Endocrinol.* 2020 Oct 10;2020:8875257. doi: 10.1155/2020/8875257. eCollection 2020. PMID: 33101410
- Butler AE, Dargham SR, Latif A, et al. Association of vitamin D(3) and its metabolites in patients with and without type 2 diabetes and their relationship to diabetes complications. *Ther Adv Chronic Dis.* 2020 Sep 26;11:2040622320924159. doi: 10.1177/2040622320924159. eCollection 2020. PMID: 33062234
- Cheshmazar E, Hosseini AF, Yazdani B, et al. Effects of Vitamin D Supplementation on Omentin-1 and Spexin Levels, Inflammatory Parameters, Lipid Profile, and Anthropometric Indices in Obese and Overweight Adults with Vitamin D Deficiency under Low-Calorie Diet: A Randomized Placebo Controlled Trial. *Evid Based Complement Alternat Med.* 2020 Nov 10;2020:3826237. doi: 10.1155/2020/3826237. eCollection 2020. PMID: 33224249
- Chun H, Kim GD, Doo M. Differences in the Association Among the Vitamin D Concentration, Dietary Macronutrient Consumption, and Metabolic Syndrome Depending on Pre- and Postmenopausal Status in Korean Women: A Cross-Sectional Study. *Diabetes Metab Syndr Obes.* 2020 Oct 9;13:3601-3609. doi: 10.2147/DMSO.S275847. eCollection 2020. PMID: 33116711
- Cordeiro A, Campos B, Pereira SE, et al. Inadequacy of Vitamin D Nutritional Status in Individuals with Metabolically Unhealthy Obesity Phenotype: The Relevance of Insulin Resistance. *Diabetes Metab Syndr Obes.* 2020 Nov 3;13:4131-4139. doi: 10.2147/DMSO.S256132. eCollection 2020. PMID: 33177853
- Dawson-Hughes B, Staten MA, Knowler WC, et al. Intratrial Exposure to Vitamin D and New-Onset Diabetes Among Adults With Prediabetes: A Secondary Analysis From the Vitamin D and Type 2 Diabetes (D2d) Study. *Diabetes Care.* 2020 Dec;43(12):2916-2922. doi: 10.2337/dc20-1765. Epub 2020 Oct 5. PMID: 33020052
- Di Nisio A, Rocca MS, De Toni L, et al. Endocrine disruption of vitamin D activity by perfluoro-octanoic acid (PFOA). *Sci Rep.* 2020 Oct 8;10(1):16789. doi: 10.1038/s41598-020-74026-8. PMID: 33033332
- Dimitrov V, Barbier C, Ismailova A, et al. Vitamin D-regulated gene expression profiles: species-specificity and cell-specific effects on metabolism and immunity. *Endocrinology.* 2020 Nov 29;bqaa218. doi: 10.1210/endcr/bqaa218. Online ahead of print. PMID: 33249469
- Fitri A, Sjahrir H, Bachtiar A, et al. Modulation of Interleukin-8 Production by Vitamin D Supplementation in Indonesian Patients with Diabetic Polyneuropathy: A Randomized Clinical Trial. *Oman Med J.* 2020 Sep 30;35(5):e168. doi: 10.5001/omj.2020.110. eCollection 2020 Sep. PMID: 33093965
- Frontiers Editorial Office. Expression of Concern: The Effects of Vitamin D Supplementation on Signaling Pathway of Inflammation and Oxidative Stress in Diabetic Hemodialysis: A Randomized, Double-Blind, Placebo-Controlled Trial. *Front Pharmacol.* 2020 Sep 11;11:602201. doi: 10.3389/fphar.2020.602201. eCollection 2020. PMID: 33041833
- Janmohammadi P, Djafari F, Farsani GM, et al. Parathyroid Hormone and 25-Hydroxyvitamin D Do Not Mediate the Association between Dietary Calcium, Protein and Vitamin D Intake and Adiposity and Lipid Profile in Patients with Type 2 Diabetes: a Structural Equation Modeling Approach. *Clin Nutr Res.* 2020 Oct 28;9(4):271-283. doi: 10.7762/cnr.2020.9.4.271. eCollection 2020 Oct. PMID: 33204667
- Jonasson TH, Costa TMDRL, Petterle RR, et al. Body composition in nonobese individuals according to vitamin D level. *PLoS One.* 2020 Nov 9;15(11):e0241858. doi:

10.1371/journal.pone.0241858. eCollection 2020. PMID: 33166333

- Kim DH, Klemp A, Salazar G, et al. High-dose vitamin D administration and resistance exercise training attenuate the progression of obesity and improve skeletal muscle function in obese p62-deficient mice. *Nutr Res.* 2020 Oct 13;S0271-5317(20)30550-9. doi: 10.1016/j.nutres.2020.10.002. Online ahead of print. PMID: 33199033
- Kurian SJ, Miraj SS, Benson R, et al. Vitamin D Supplementation in Diabetic Foot Ulcers: A Current Perspective. *Curr Diabetes Rev.* 2020 Oct 12. doi: 10.2174/1573399816999201012195735. Online ahead of print. PMID: 33045979
- Laurence S, Robin M, Marie-Pierre TC. Resistance to calcium-vitamin D supplementation in pseudohypoparathyroidism : think of malabsorption. *Ann Endocrinol (Paris).* 2020 Oct 29;S0003-4266(20)31280-4. doi: 10.1016/j.ando.2020.08.001. Online ahead of print. PMID: 33130042
- Limonte CP, Zelnick LR, Ruzinski J, et al. Effects of long-term vitamin D and n-3 fatty acid supplementation on inflammatory and cardiac biomarkers in patients with type 2 diabetes: secondary analyses from a randomised controlled trial. *Diabetologia.* 2020 Oct 24. doi: 10.1007/s00125-020-05300-7. Online ahead of print. PMID: 33098434
- Lontchi-Yimagou E, Kang S, Goyal A, et al. Insulin-sensitizing effects of vitamin D repletion mediated by adipocyte vitamin D receptor: Studies in humans and mice. *Mol Metab.* 2020 Oct 10;42:101095. doi: 10.1016/j.molmet.2020.101095. Online ahead of print. PMID: 33045433
- Mäkitapale J, Sankari S, Sievänen H, et al. The relationship between serum 25-hydroxyvitamin D and parathyroid hormone concentration in assessing vitamin D deficiency in pet rabbits. *BMC Vet Res.* 2020 Oct 27;16(1):403. doi: 10.1186/s12917-020-02599-7. PMID: 33109180
- Montenegro KR, Cruzat V, Melder H, et al. Vitamin D Supplementation Does Not Impact Resting Metabolic Rate, Body Composition and Strength in Vitamin D Sufficient Physically Active Adults. *Nutrients.* 2020 Oct 12;12(10):3111. doi: 10.3390/nu12103111. PMID: 33053823
- Salman MA, Rabiee A, Salman A, et al. Role of Vitamin D Supplements in Prevention

of Hungry Bone Syndrome after Successful Parathyroidectomy for Primary Hyperparathyroidism: A Prospective Study. *Scand J Surg.* 2020 Oct 6;1457496920962601. doi: 10.1177/1457496920962601. Online ahead of print. PMID: 33019891

- Signorini L, Ballini A, Arrigoni R, et al. Evaluation of a nutraceutical product with probiotics, vitamin d, plus banaba leaf extracts (*Lagerstroemia speciosa*) in glycemic control. *Endocr Metab Immune Disord Drug Targets.* 2020 Nov 8. doi: 10.2174/187153032066201109115415. Online ahead of print. PMID: 33167849 Clinical Trial.
- Tecilazich F, Formenti AM, Giustina A. Role of vitamin D in diabetic retinopathy: Pathophysiological and clinical aspects. *Rev Endocr Metab Disord.* 2020 Oct 7:1-13. doi: 10.1007/s11154-020-09575-4. Online ahead of print. PMID: 33026598
- Todorova AS, Jude EB, Dimova RB, et al. Vitamin D Status in a Bulgarian Population With Type 2 Diabetes and Diabetic Foot Ulcers. *Int J Low Extrem Wounds.* 2020 Oct 23;1534734620965820. doi: 10.1177/1534734620965820. Online ahead of print. PMID: 33094656
- Wrzosek M, Woźniak J, Włodarek D. The Combination of a Diversified Intake of Carbohydrates and Fats and Supplementation of Vitamin D in a Diet Does Not Affect the Levels of Hormones (Testosterone, Estradiol, and Cortisol) in Men Practicing Strength Training for the Duration of 12 Weeks. *Int J Environ Res Public Health.* 2020 Nov 1;17(21):8057. doi: 10.3390/ijerph17218057. PMID: 33139636
- Xiao Y, Wei L, Xiong X, et al. Association Between Vitamin D Status and Diabetic Complications in Patients With Type 2 Diabetes Mellitus: A Cross-Sectional Study in Hunan China. *Front Endocrinol (Lausanne).* 2020 Sep 16;11:564738. doi: 10.3389/fendo.2020.564738. eCollection 2020. PMID: 33042022
- Zamani A, Saki F, Hatami N, et al. Stereological assessment of the effects of vitamin D deficiency on the rat testis. *BMC Endocr Disord.* 2020 Oct 29;20(1):162. doi: 10.1186/s12902-020-00642-0. PMID: 33121469
- Zhang X, Gao B, Xu B. No association between the vitamin D-binding protein (DBP) gene polymorphisms (rs7041 and rs4588) and multiple sclerosis and type 1 diabetes mellitus: A meta-analysis. *PLoS One.*

2020 Nov 12;15(11):e0242256. doi: 10.1371/journal.pone.0242256. eCollection 2020. PMID: 33180889

- Zhao H, Zhen Y, Wang Z, et al. The Relationship Between Vitamin D Deficiency and Glycated Hemoglobin Levels in Patients with Type 2 Diabetes Mellitus. *Diabetes Metab Syndr Obes.* 2020 Oct 21;13:3899-3907. doi: 10.2147/DMSO.S275673. eCollection 2020. PMID: 33116736

GASTROENTEROLOGIA

- Thomas RL, Jiang L, Adams JS, et al. Vitamin D metabolites and the gut microbiome in older men. *Nat Commun.* 2020 Nov 26;11(1):5997. doi: 10.1038/s41467-020-19793-8. PMID: 33244003
- Barchetta I, Cimini FA, Cavallo MG. Vitamin D and Metabolic Dysfunction-Associated Fatty Liver Disease (MAFLD): An Update. *Nutrients.* 2020 Oct 28;12(11):3302. doi: 10.3390/nu12113302. PMID: 33126575
- Caballero Mateos AM, Olmedo-Martín RV, Roa-Colomo A, et al. Vitamin D and inflammatory bowel disease: what do we know so far? *Rev Esp Enferm Dig.* 2020 Oct 15;112. doi: 10.17235/reed.2020.7061/2020. Online ahead of print. PMID: 33054287
- Cao Y, Shu XB, Yao Z, et al. Is vitamin D receptor a druggable target for non-alcoholic steatohepatitis? *World J Gastroenterol.* 2020 Oct 14;26(38):5812-5821. doi: 10.3748/wjg.v26.i38.5812. PMID: 33132636
- El Amrousy D, El Ashry H, Hodeib H, et al. Vitamin D in Children With Inflammatory Bowel Disease: A Randomized Controlled Clinical Trial. *J Clin Gastroenterol.* 2020 Oct 14. doi: 10.1097/MCG.0000000000001443. Online ahead of print. PMID: 33060436
- Li C, Chen Y, Zhu H, et al. Corrigendum to: Inhibition of Histone Deacetylation by MS-275 Alleviates Colitis by Activating the Vitamin D Receptor. *J Crohns Colitis.* 2020 Oct 29;jcaa209. doi: 10.1093/ecco-jcc/jcaa209. Online ahead of print. PMID: 33125476
- Lu R, Zhang Y, Xia Y, et al. Paneth cell alertness to pathogens maintained by vitamin D receptors. *Gastroenterology.* 2020 Nov 17;S0016-5085(20)35405-6. doi: 10.1053/j.gastro.2020.11.015. Online ahead of print. PMID: 33217447

- Martucci G, Volpes R, Panarello G, et al. Vitamin D levels in liver transplantation recipients and early postoperative outcomes: Prospective observational DLiverX study. *Clin Nutr.* 2020 Oct 24:S0261-5614(20)30570-7. doi: 10.1016/j.clnu.2020.10.027. Online ahead of print. PMID: 33158589
- Rasouli E, Sadeghi N, Parsi A, et al. Relationship Between Vitamin D Deficiency and Disease Activity in Patients with Inflammatory Bowel Disease in Ahvaz, Iran. *Clin Exp Gastroenterol.* 2020 Oct 2;13:419-425. doi: 10.2147/CEG.S254278. eCollection 2020. PMID: 33061520
- Shirwaikar Thomas A, Criss ZK, Shroyer NF, et al. Vitamin D Receptor Gene Single Nucleotide Polymorphisms and Association With Vitamin D Levels and Endoscopic Disease Activity in Inflammatory Bowel Disease Patients: A Pilot Study. *Inflamm Bowel Dis.* 2020 Nov 9:izaa292. doi: 10.1093/ibd/izaa292. Online ahead of print. PMID: 33165606
- Sriphoosanaphan S, Thanapirom K, Suk-sawatamnuay S, et al. Changes in hepatic fibrosis and vitamin D levels after viral hepatitis C eradication using direct-acting antiviral therapy. *BMC Gastroenterol.* 2020 Oct 17;20(1):346. doi: 10.1186/s12876-020-01485-8. PMID: 33069226
- Szymczak-Tomczak A, Kaczmarek-Ryś M, Hryhorowicz S, et al. Vitamin D, Vitamin D Receptor (VDR) Gene Polymorphisms (Apal and FokI), and Bone Mineral Density in Patients With Inflammatory Bowel Disease. *J Clin Densitom.* 2020 Oct 24:S1094-6950(20)30135-9. doi: 10.1016/j.jocd.2020.10.009. Online ahead of print. PMID: 33172802
- Tenev R, Gulubova M, Ananiev J, et al. Gastric Antral Vascular Ectasia and Vitamin D Deficiency: New Associated Disease and Proposed Pathogenetic Mechanisms. *Dig Dis Sci.* 2020 Oct 27. doi: 10.1007/s10620-020-06666-9. Online ahead of print. PMID: 33106980
- Volonakis S, Koika V, Tzavelas G, et al. Adequate vitamin D supplementation does not ameliorate bone loss following long limb-bil-iopancreatic diversion in morbidly obese women. *Hormones (Athens).* 2020 Nov 5. doi: 10.1007/s42000-020-00254-2. Online ahead of print. PMID: 33155141
- Wang X, Li X, Dong Y. Vitamin D Decreases Plasma Trimethylamine-N-oxide Level in Mice by Regulating Gut Microbiota. *Biomed Res Int.* 2020 Oct 5;2020:9896743. doi: 10.1155/2020/9896743. eCollection 2020. PMID: 33083493
- Wang Z, Peng C, Wang P, et al. Serum vitamin D level is related to disease progression in primary biliary cholangitis. *Scand J Gastroenterol.* 2020 Nov;55(11):1333-1340. doi: 10.1080/00365521.2020.1829030. Epub 2020 Oct 6. PMID: 33021858
- Wu P, Zhang R, Luo M, et al. Liver Injury Impaired 25-Hydroxylation of Vitamin D Suppresses Intestinal Paneth Cell defensins, leading to Gut Dysbiosis and Liver Fibrogenesis. *Am J Physiol Gastrointest Liver Physiol.* 2020 Oct 21. doi: 10.1152/ajplgi.00021.2020. Online ahead of print. PMID: 33084400
- Yang Y, Cui X, Li J, et al. Clinical evaluation of vitamin D status and its relationship with disease activity and changes of intestinal immune function in patients with Crohn's disease in the Chinese population. *Scand J Gastroenterol.* 2020 Nov 18:1-10. doi: 10.1080/00365521.2020.1844793. Online ahead of print. PMID: 33205696
- Nema J, Sundrani D, Joshi S. Prenatal vitamin D supplementation reduces blood pressure and improves placental angiogenesis in an animal model of preeclampsia. *Food Funct.* 2020 Nov 25. doi: 10.1039/d0fo01782e. Online ahead of print. PMID: 33237074
- [No authors listed] Expression of Concern: The effects of vitamin D and evening primrose oil co-supplementation on lipid profiles and biomarkers of oxidative stress in vitamin D-deficient women with polycystic ovary syndrome: A randomized, double-blind, placebo-controlled trial. *Endocr Res.* 2020 Nov 4:1. doi: 10.1080/07435800.2020.1843877. Online ahead of print. PMID: 33143484
- Accortt EE, Arora C, Mirocha J, et al. Low Prenatal Vitamin D Metabolite Ratio and Subsequent Postpartum Depression Risk. *J Womens Health (Larchmt).* 2020 Oct 6. doi: 10.1089/jwh.2019.8209. Online ahead of print. PMID: 33021442
- Albahal IA, Almaeen AH, Alduraywish AA, et al. Vitamin D Status and Pregnancy Complications: Serum 1,25-di-hydroxy-Vitamin D and its Ratio to 25-hydroxy-Vitamin D are Superior Biomarkers than 25-hydroxy-Vitamin D. *Int J Med Sci.* 2020 Oct 18;17(18):3039-3048. doi: 10.7150/ijms.47807. eCollection 2020. PMID: 33173424
- Artunc-Ulkumen B, Kirteke K, Koyuncu FM. The effect of maternal vitamin D levels on placental shear wave elastography findings in the first trimester. *J Obstet Gynaecol.* 2020 Oct 16:14. doi: 10.1080/01443615.2020.1803240. Online ahead of print. PMID: 33063563
- Asemi Z, Hashemi T, Karamali M, et al. An Expression of Concern from the AJCN Editorial Office about: Effects of vitamin D supplementation on glucose metabolism, lipid concentrations, inflammation, and oxidative stress in gestational diabetes: a double-blind randomized controlled clinical trial. *Am J Clin Nutr.* 2020 Nov 11;112(5):1406. doi: 10.1093/ajcn/nqaa319. PMID: 33094821
- Asemi Z, Samimi M, Tabassi Z, et al. An Expression of Concern from The Journal of Nutrition's Editorial Office about: Vitamin D Supplementation Affects Serum High-Sensitivity C-Reactive Protein, Insulin Resistance, and Biomarkers of Oxidative Stress in Pregnant Women. *J Nutr.* 2020 Nov 19;150(11):3042. doi: 10.1093/jn/nxaa340. PMID: 33097953
- Awe O, Sinkway JM, Chow RP, et al. Differential regulation of a placental SAM68 and sFLT1 gene pathway and the relevance to maternal vitamin D sufficiency. *Pregnancy Hypertens.* 2020 Oct;22:196-203. doi: 10.1016/j.preghy.2020.09.004. Epub 2020 Sep 12. PMID: 33068876
- Caccamo D, Cannata A, Ricca S, et al. Role of Vitamin-D Receptor (VDR) single nucleotide polymorphisms in gestational hypertension development: A case-control study. *PLoS One.* 2020 Nov 13;15(11):e0239407. doi: 10.1371/journal.pone.0239407. eCollection 2020. PMID: 33186385
- Cai S, Li J, Zeng S, et al. Impact of vitamin D on human embryo implantation-a prospective cohort study in women undergoing fresh embryo transfer. *Fertil Steril.* 2020 Oct 7:S0015-0282(20)32206-8. doi: 10.1016/j.fertnstert.2020.09.005. Online ahead of print. PMID: 33039126
- Ciebiera M, Ali M, Prince L, et al. The Significance of Measuring Vitamin D Serum Levels in Women with Uterine Fibroids. *Re-*

- prod Sci. 2020 Oct 27. doi: 10.1007/s43032-020-00363-8. Online ahead of print. PMID: 33108619 Review.
- Corachán A, Trejo MG, Carbajo-García MC, et al. Vitamin D as an effective treatment in human uterine leiomyomas independent of mediator complex subunit 12 mutation. *Fertil Steril*. 2020 Oct 7:S0015-0282(20)30710-X. doi: 10.1016/j.fertnstert.2020.07.049. Online ahead of print. PMID: 33036796
 - Currie J, Kindinger LM, David AL. Re: Vitamin D and stress urinary incontinence in pregnancy: a cross-sectional study. *BJOG*. 2020 Nov 5. doi: 10.1111/1471-0528.16571. Online ahead of print. PMID: 33151619
 - Eraslan Sahin M, Sahin E, Madendag Y, et al. Umbilical cord N-terminal procollagen of type I collagen (P1NP) and beta C-terminal telopeptide (betaCTX) levels in term pregnancies with vitamin D deficiency. *Gynecol Endocrinol*. 2020 Oct 9:1-5. doi: 10.1080/09513590.2020.1830967. Online ahead of print. PMID: 33034225
 - Grzesiak M, Burzawa G, Kurowska P, et al. Altered vitamin D(3) metabolism in the ovary and periovarian adipose tissue of rats with letrozole-induced PCOS. *Histochem Cell Biol*. 2020 Oct 23. doi: 10.1007/s00418-020-01928-z. Online ahead of print. PMID: 33095902
 - Grzesiak M, Knapczyk-Stwora K, Slomczynska M. Vitamin D(3) in ovarian antral follicles of mature gilts: Expression of its receptors and metabolic enzymes, concentration in follicular fluid and effect on steroid secretion in vitro. *Theriogenology*. 2020 Nov 16;160:151-160. doi: 10.1016/j.theriogenology.2020.11.006. Online ahead of print. PMID: 33221542
 - Hyde NK, Brennan-Olsen SL, Wark JD, et al. Gestational Vitamin D and Offspring Bone Measures: Is the Association Independent of Maternal Bone Quality? *Calcif Tissue Int*. 2020 Oct 21. doi: 10.1007/s00223-020-00762-8. Online ahead of print. PMID: 33084913
 - Jukic AMZ, Zuchniak A, Qamar H, et al. Vitamin D Treatment during Pregnancy and Maternal and Neonatal Cord Blood Metal Concentrations at Delivery: Results of a Randomized Controlled Trial in Bangladesh. *Environ Health Perspect*. 2020 Nov;128(11):117007. doi: 10.1289/EHP7265. Epub 2020 Nov 23. PMID: 33226277
 - Karamali M, Ashrafi M, Razavi M, et al. Correction: The Effects of Calcium, Vitamins D and K co-Supplementation on Markers of Insulin Metabolism and Lipid Profiles in Vitamin D-Deficient Women with Polycystic Ovary Syndrome. *Exp Clin Endocrinol Diabetes*. 2020 Nov;128(11):771. doi: 10.1055/a-1270-8600. Epub 2020 Oct 28. PMID: 33113572
 - Kassem Z, Sitarik A, Levin AM, et al. Maternal and cord blood vitamin D level and the infant gut microbiota in a birth cohort study. *Matern Health Neonatol Perinatol*. 2020 Oct 20;6:5. doi: 10.1186/s40748-020-00119-x. eCollection 2020. PMID: 33101701
 - Lee SS, Ling KH, Tusimin M, et al. Influence of vitamin D binding protein polymorphism, demographics and lifestyle factors on vitamin D status of healthy Malaysian pregnant women. *BMC Pregnancy Childbirth*. 2020 Nov 23;20(1):714. doi: 10.1186/s12884-020-03397-7. PMID: 33228578
 - Motamed S, Nikooyeh B, Kashanian M, et al. Evaluation of the efficacy of two doses of vitamin D supplementation on glycemic, lipidemic and oxidative stress biomarkers during pregnancy: a randomized clinical trial. *BMC Pregnancy Childbirth*. 2020 Oct 14;20(1):619. doi: 10.1186/s12884-020-03311-1. PMID: 33054794
 - Mu Y, Cheng D, Yin TL, et al. Vitamin D and Polycystic Ovary Syndrome: a Narrative Review. *Reprod Sci*. 2020 Oct 28. doi: 10.1007/s43032-020-00369-2. Online ahead of print. PMID: 33113105 Review.
 - Nudy M, Jiang X, Aragaki AK, et al. The severity of vasomotor symptoms and number of menopausal symptoms in postmenopausal women and select clinical health outcomes in the Women's Health Initiative Calcium and Vitamin D randomized clinical trial. *Menopause*. 2020 Nov;27(11):1265-1273. doi: 10.1097/GME.0000000000001667. PMID: 33110042
 - Pérez-Castillo ÍM, Rivero-Blanco T, León-Ríos XA, et al. Associations of Vitamin D Deficiency, Parathyroid hormone, Calcium, and Phosphorus with Perinatal Adverse Outcomes. A Prospective Cohort Study. *Nutrients*. 2020 Oct 26;12(11):3279. doi: 10.3390/nu12113279. PMID: 33114615
 - Pillai RR, Premkumar NR, Kattimani S, et al. Reduced Maternal Serum Total, Free and Bioavailable Vitamin D Levels and its Association with the Risk for Postpartum Depressive Symptoms. *Arch Med Res*. 2020 Oct 13:S0188-4409(19)30759-3. doi: 10.1016/j.arcmed.2020.10.003. Online ahead of print. PMID: 33067012
 - Ramezani N, Ostadsharif M, Nayeri H. Association of Bsml variant of vitamin D receptor gene with polycystic ovary syndrome: A case-control study. *Int J Reprod Biomed*. 2020 Oct 13;18(10):877-884. doi: 10.18502/ijrm.v13i10.7772. eCollection 2020 Oct. PMID: 33134800
 - Ribamar A, Almeida B, Soares A, et al. Relationship between vitamin D deficiency and both gestational and postpartum depression. *Nutr Hosp*. 2020 Nov 6. doi: 10.20960/nh.02953. Online ahead of print. PMID: 33155475
 - Rodrigues Amorim Adegbeye A, Dias Santana D, Cocate PG, et al. Vitamin D and Calcium Milk Fortification in Pregnant Women with Periodontitis: A Feasibility Trial. *Int J Environ Res Public Health*. 2020 Oct 30;17(21):8023. doi: 10.3390/ijerph17218023. PMID: 33143369
 - Rostami M, Simbar M, Amiri M, et al. The optimal cutoff point of vitamin D for pregnancy outcomes using a generalized additive model. *Clin Nutr*. 2020 Oct 2:S0261-5614(20)30511-2. doi: 10.1016/j.clnu.2020.09.039. Online ahead of print. PMID: 33039154
 - Sheng B, Song Y, Liu Y, et al. Association between vitamin D and uterine fibroids: a study protocol of an open-label, randomised controlled trial. *BMJ Open*. 2020 Nov 6;10(11):e038709. doi: 10.1136/bmjopen-2020-038709. PMID: 33158822
 - Stafne SN. Authors' reply re: Vitamin D and stress urinary incontinence in pregnancy: a cross-sectional study. *BJOG*. 2020 Nov 23. doi: 10.1111/1471-0528.16572. Online ahead of print. PMID: 33225545
 - Thomsen CR, Milidou I, Hvidman L, et al. Vitamin D and the risk of dystocia: A case-control study. *PLoS One*. 2020 Oct 14;15(10):e0240406. doi: 10.1371/journal.pone.0240406. eCollection 2020. PMID: 33052935
 - Treiber M, Mujezinović F, Pečovnik Balon B, et al. Association between umbilical cord vitamin D levels and adverse neonatal outcomes. *J Int Med Res*. 2020

Oct;48(10):300060520955001. doi: 10.1177/0300060520955001. PMID: 33044113

- Vestergaard AL, Justesen S, Volqvartz T, et al. Vitamin D insufficiency among Danish pregnant women - prevalence and association with adverse obstetric outcomes and placental vitamin D metabolism. *Acta Obstet Gynecol Scand.* 2020 Oct 8. doi: 10.1111/aogs.14019. Online ahead of print. PMID: 33030742
- Voltas N, Canals J, Hernández-Martínez C, et al. Effect of Vitamin D Status during Pregnancy on Infant Neurodevelopment: The ECLIPSES Study. *Nutrients.* 2020 Oct 19;12(10):3196. doi: 10.3390/nu12103196. PMID: 33086652
- Yue CY, Ying CM. Sufficiency serum vitamin D before 20 weeks of pregnancy reduces the risk of gestational diabetes mellitus. *Nutr Metab (Lond).* 2020 Oct 20;17:89. doi: 10.1186/s12986-020-00509-0. eCollection 2020. PMID: 33088335

IMMUNOLOGIA

- Zhang R, Fu Z, Fan H, et al. Genetic variant of RXR involved in the vitamin D metabolic pathway was linked to HCV infection outcomes among a high-risk Chinese population. *Infect Genet Evol.* 2020 Nov 24;104641. doi: 10.1016/j.megev.2020.104641. Online ahead of print. PMID: 33246082
- Ali SB, Perdawood D, Abdulrahman R, et al. Vitamin D deficiency as a risk factor for urinary tract infection in women at reproductive age. *Saudi J Biol Sci.* 2020 Nov;27(11):2942-2947. doi: 10.1016/j.sjbs.2020.08.008. Epub 2020 Aug 8. PMID: 33100850
- Anderson SM, Thurman AR, Chandra N, et al. Vitamin D Status Impacts Genital Mucosal Immunity and Markers of HIV-1 Susceptibility in Women. *Nutrients.* 2020 Oct 17;12(10):3176. doi: 10.3390/nu12103176. PMID: 33080839
- Currò M, Visalli G, Pellicanò GF, et al. Vitamin D Status Modulates Inflammatory Response in HIV+ Subjects: Evidence for Involvement of Autophagy and TG2 Expression in PBMC. *Int J Mol Sci.* 2020 Oct 13;21(20):7558. doi: 10.3390/ijms21207558. PMID: 33066266
- Das R, Jobayer Chisti M, Ahshanul Haque M, et al. Evaluating association of vaccine response to low serum zinc and vitamin D

levels in children of a birth cohort study in Dhaka. *Vaccine.* 2020 Oct 26:S0264-410X(20)31352-9. doi: 10.1016/j.vaccine.2020.10.048. Online ahead of print. PMID: 33121844

- Gayam V, Mandal AK, Ditah CM, et al. Outcomes of *Clostridioides difficile* in Patients with Vitamin D Deficiency: A Propensity-Matched National Inpatient Sample Analysis. *South Med J.* 2020 Nov;113(11):593-599. doi: 10.14423/SMJ.0000000000001168. PMID: 33140114
- Gorchs L, Ahmed S, Mayer C, et al. The vitamin D analogue calcipotriol promotes an anti-tumorigenic phenotype of human pancreatic CAFs but reduces T cell mediated immunity. *Sci Rep.* 2020 Oct 15;10(1):17444. doi: 10.1038/s41598-020-74368-3. PMID: 33060625
- Guevara MA, Lu J, Moore RE, et al. Vitamin D and Streptococci: The Interface of Nutrition, Host Immune Response, and Antimicrobial Activity in Response to Infection. *ACS Infect Dis.* 2020 Nov 10. doi: 10.1021/acsinfecdis.0c00666. Online ahead of print. PMID: 33170652
- Kayode I, Anaba U. Effect of Vitamin D, Selenium, or Zinc Supplementation in HIV: A Systematic Review. *AIDS Rev.* 2020 Oct 26;23(3). doi: 10.24875/AIDS-Rev.20000126. Online ahead of print. PMID: 33105473
- Lwow F, Bohdanowicz-Pawlak A. Vitamin D and selected cytokine concentrations in postmenopausal women in relation to metabolic disorders and physical activity. *Exp Gerontol.* 2020 Nov;141:111107. doi: 10.1016/j.exger.2020.111107. Epub 2020 Oct 7. PMID: 33038456
- Mai ZM, Lin JH, Ngan RK, et al. Solar Ultraviolet Radiation and Vitamin D Deficiency on Epstein-Barr Virus Reactivation: Observational and Genetic Evidence From a Nasopharyngeal Carcinoma-Endemic Population. *Open Forum Infect Dis.* 2020 Sep 12;7(10):ofaa426. doi: 10.1093/ofid/ofaa426. eCollection 2020 Oct. PMID: 33134413
- Masadeh MM, Alzoubi KH, Al-Taani BM, et al. Vitamin D Pretreatment Attenuates Ciprofloxacin-Induced Antibacterial Activity. *Clin Pharmacol.* 2020 Oct 12;12:171-176. doi: 10.2147/CPAA.S268330. eCollection 2020. PMID: 33116949
- Muhvić-Urek M, Saltović E, Braut A, et al. Association between Vitamin D and Candida-Associated Denture Stomatitis. *Dent J (Basel).* 2020 Oct 21;8(4):E121. doi: 10.3390/dj8040121. PMID: 33096916
- Niu L, Chen S, Yang X, et al. Vitamin D decreases *Porphyromonas gingivalis* internalized into macrophages by promoting autophagy. *Oral Dis.* 2020 Oct 24. doi: 10.1111/odi.13696. Online ahead of print. PMID: 33098722
- Ony LTC, Parnell GP, Veale K, et al. Regulation of the methylome in differentiation from adult stem cells may underpin vitamin D risk in MS. *Genes Immun.* 2020 Nov;21(5):335-347. doi: 10.1038/s41435-020-00114-4. Epub 2020 Oct 9. PMID: 33037402
- Periyasamy KM, Ranganathan UD, Tripathy SP, et al. Vitamin D - A host directed autophagy mediated therapy for tuberculosis. *Mol Immunol.* 2020 Nov;127:238-244. doi: 10.1016/j.molimm.2020.08.007. Epub 2020 Oct 9. PMID: 33039674 Review.
- Troja C, Hoofnagle AN, Szpiro A, et al. Understanding the role of emerging vitamin D biomarkers on short-term persistence of high-risk HPV infection among mid-adult women. *J Infect Dis.* 2020 Nov 17:jiaa711. doi: 10.1093/infdis/jiaa711. Online ahead of print. PMID: 33205195
- Untersmayr E, Kallay E. Insights in Immuno-Nutrition: Vitamin D as a Potent Immunomodulator. *Nutrients.* 2020 Nov 20;12(11):3554. doi: 10.3390/nu12113554. PMID: 33233526
- Zughaijer SM, Lubberts E, Bener A. Editorial: Immune-Modulatory Effects of Vitamin D. *Front Immunol.* 2020 Sep 29;11:596611. doi: 10.3389/fimmu.2020.596611. eCollection 2020. PMID: 33133107

LABORATORIO

- Ginsberg C, Hoofnagle AN, Katz R, et al. The Vitamin D Metabolite Ratio Is Independent of Vitamin D Binding Protein Concentration. *Clin Chem.* 2020 Nov 14:hva238. doi: 10.1093/clinchem/hva238. Online ahead of print. PMID: 33188595
- Boggs ASP, Kilpatrick LE, Burdette CQ, et al. Development of a pregnancy-specific reference material for thyroid biomarkers, vitamin D, and nutritional trace elements in serum. *Clin Chem Lab Med.*

- 2020 Oct 26:/j/cclm.head-of-print/cclm-2020-0977/cclm-2020-0977.xml. doi: 10.1515/cclm-2020-0977. Online ahead of print. PMID: 33098630
- Castillo-Peinado LS, Calderón-Santiago M, Priego-Capote F. Lyophilization as pre-processing for sample storage in the determination of vitamin D(3) and metabolites in serum and plasma. *Talanta*. 2021 Jan 15;222:121692. doi: 10.1016/j.talanta.2020.121692. Epub 2020 Sep 24. PMID: 33167291
 - Hu T, Li H, Liu H, et al. High throughput UHPLC-MS/MS method for the simultaneous quantification of six vitamin D metabolites: application for vitamin D determination in patients after liver or kidney transplantation. *Anal Methods*. 2020 Nov 11. doi: 10.1039/d0ay01088j. Online ahead of print. PMID: 33174880
 - Jose A, Binu AJ, Cherian KE, et al. Vitamin D assessment and precision of clinical referrals: Insights gained from a teaching hospital in southern India. *J Postgrad Med*. 2020 Oct-Dec;66(4):194-199. doi: 10.4103/jpgm.JPGM_599_19. PMID: 33037169
 - Palmer D, Soule S, Gaddam RR, et al. Unbound Vitamin D Concentrations Are Not Decreased in Critically Ill Patients. *Intern Med J*. 2020 Oct 11. doi: 10.1111/imj.15096. Online ahead of print. PMID: 33040415
 - Zelzer S, Meinitzer A, Enko D, et al. Simultaneous determination of 24,25- and 25,26-dihydroxyvitamin D3 in serum samples with liquid-chromatography mass spectrometry - A useful tool for the assessment of vitamin D metabolism. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2020 Nov 20;1158:122394. doi: 10.1016/j.jchromb.2020.122394. Epub 2020 Oct 6. PMID: 33091679
- MISCELLANEA**
- Szeto B, Valentini C, Lalwani AK. Low vitamin D status is associated with hearing loss in the elderly: a cross-sectional study. *Am J Clin Nutr*. 2020 Nov 27:nqaa310. doi: 10.1093/ajcn/nqaa310. Online ahead of print. PMID: 33247302
 - Amrein K, Lasky-Su JA, Dobnig H, et al. Metabolomic basis for response to high dose vitamin D in critical illness. *Clin Nutr*. 2020 Sep 28:S0261-5614(20)30500-8. doi: 10.1016/j.clnu.2020.09.028. Online ahead of print. PMID: 33087250
 - Baur AC, Brandsch C, Steinmetz B, et al. Differential effects of vitamin D(3) vs vitamin D(2) on cellular uptake, tissue distribution and activation of vitamin D in mice and cells. *J Steroid Biochem Mol Biol*. 2020 Nov;204:105768. doi: 10.1016/j.jsbmb.2020.105768. Epub 2020 Oct 6. PMID: 33035648
 - Best CM, Riley DV, Laha TJ, et al. Vitamin D in human serum and adipose tissue after supplementation. *Am J Clin Nutr*. 2020 Nov 12:nqaa295. doi: 10.1093/ajcn/nqaa295. Online ahead of print. PMID: 33184642
 - Bhai VN. Vitamin D Deficiency: Definition Matters!: Authors' Reply. *Indian Pediatr*. 2020 Nov 15;57(11):1084. PMID: 33231188
 - Boucher BJ. Why do so many trials of vitamin D supplementation fail? *Endocr Connect*. 2020 Oct;9(9):R195-R206. doi: 10.1530/EC-20-0274. PMID: 33052876
 - Callaby R, Hurst E, Handel I, et al. Determinants of vitamin D status in Kenyan calves. *Sci Rep*. 2020 Nov 25;10(1):20590. doi: 10.1038/s41598-020-77209-5. PMID: 33239727
 - Chen A, Han Y, Poss KD. Regulation of zebrafish fin regeneration by vitamin D signaling. *Dev Dyn*. 2020 Oct 16. doi: 10.1002/dvdy.261. Online ahead of print. PMID: 33064344
 - Cheng YW, Hung CC, Kao TW, et al. Beneficial relevance of vitamin D concentration and urine flow rate. *Clin Nutr*. 2020 Oct 1:S0261-5614(20)30508-2. doi: 10.1016/j.clnu.2020.09.036. Online ahead of print. PMID: 33039156
 - Christen WG, Cook NR, Manson JE, et al. Effect of Vitamin D and omega-3 Fatty Acid Supplementation on Risk of Age-Related Macular Degeneration: An Ancillary Study of the VITAL Randomized Clinical Trial. *JAMA Ophthalmol*. 2020 Oct 29:e204409. doi: 10.1001/jamaophthalmol.2020.4409. Online ahead of print. PMID: 33119047
 - Courbebaisse M, Cavalier E. Vitamin D in 2020: An Old Pro-Hormone with Potential Effects beyond Mineral Metabolism. *Nutrients*. 2020 Nov 3;12(11):3378. doi: 10.3390/nu12113378. PMID: 33153017
 - de Paula FJA. Vitamin D: more does not mean better. *Arch Endocrinol Metab*. 2020 Oct 8;64(5):493-494. doi: 10.20945/2359-3997000000303. PMID: 33047904
 - De Vincentis S, Russo A, Milazzo M, et al. How Much Vitamin D is Too Much? A Case Report and Review of the Literature. *Endocr Metab Immune Disord Drug Targets*. 2020 Oct 7. doi: 10.2174/1871530320666201007152230. Online ahead of print. PMID: 33030138
 - Demler OV, Liu Y, Luttmann-Gibson H, et al. One-Year Effects of Omega-3 Treatment on Fatty Acids, Oxylipins, and Related Bioactive Lipids and Their Associations with Clinical Lipid and Inflammatory Biomarkers: Findings from a Substudy of the Vitamin D and Omega-3 Trial (VITAL). *Metabolites*. 2020 Oct 27;10(11):431. doi: 10.3390/meta10110431. PMID: 33120862
 - Dey Bhowmik A, Shaw P, Mondal P, et al. Calcium and Vitamin D Supplementation Effectively Alleviates Dental and Skeletal Fluorosis and Retain Elemental Homeostasis in Mice. *Biol Trace Elem Res*. 2020 Oct 14. doi: 10.1007/s12011-020-02435-x. Online ahead of print. PMID: 33057951
 - Emadzadeh M, Rashidmayvan M, Sahebi R, et al. The effect of vitamin D fortified products on anthropometric indices: A systematic review and meta-analysis. *Complement Ther Clin Pract*. 2020 Nov;41:101242. doi: 10.1016/j.ctcp.2020.101242. Epub 2020 Sep 23. PMID: 33035745 Review.
 - Faisal S, Mirza FS. SUBLINGUAL VITAMIN D(3) EFFECTIVE IN A PATIENT RESISTANT TO CONVENTIONAL VITAMIN D SUPPLEMENTATION. *AACE Clin Case Rep*. 2020 Sep 24;6(6):e342-e345. doi: 10.4158/ACCR-2020-0282. eCollection 2020 Nov-Dec. PMID: 33244499
 - Frischknecht L, von Rappard J. [Severe Vitamin D intoxication]. *MMW Fortschr Med*. 2020 Nov;162(20):54-57. doi: 10.1007/s15006-020-4412-x. PMID: 33219972 Review. German.
 - Galyuk TM, Loonen AJM. Putative role of vitamin D in the mechanism of alcoholism and other addictions - a hypothesis. *Acta Neuropsychiatr*. 2020 Nov 13;1:1-27. doi: 10.1017/neu.2020.41. Online ahead of print. PMID: 33183376
 - Gärtner R. [Update Vitamin D: Supplemen-

- tation when and why?]. MMW Fortschr Med. 2020 Nov;162(Suppl 3):68-75. doi: 10.1007/s15006-020-4406-8. PMID: 33164193 German.
- Grzesiak M, Socha M, Hrabia A. Altered vitamin D metabolic system in follicular cysts of sows. Reprod Domest Anim. 2020 Nov 20. doi: 10.1111/rda.13867. Online ahead of print. PMID: 33217765
 - Hansen AL, Ambroziak G, Thornton D, et al. Vitamin D Supplementation during Winter: Effects on Stress Resilience in a Randomized Control Trial. Nutrients. 2020 Oct 24;12(11):3258. doi: 10.3390/nu12113258. PMID: 33114392
 - Ho B, Ellison J, Edwards N, et al. Prevalence of vitamin D analogue toxicity in dogs. Clin Exp Dermatol. 2020 Nov 5. doi: 10.1111/ced.14499. Online ahead of print. PMID: 33151582
 - Kalavathy N, Ananthraj N, Sharma A, et al. Effect of serum vitamin D, calcium, and phosphorus on mandibular residual ridge resorption in completely edentulous participants: A clinical study. J Prosthet Dent. 2020 Nov 17:S0022-3913(20)30503-5. doi: 10.1016/j.jprostdent.2020.07.019. Online ahead of print. PMID: 33218746
 - Kjerstad M, Larssen WE, Midtbø LK. Belly flap from Norwegian spring-spawning herring (*Clupea harengus* L.): A potentially new product with high content of vitamin D, EPA and DHA. *Heliyon*. 2020 Oct 16;6(10):e05239. doi: 10.1016/j.heliyon.2020.e05239. eCollection 2020 Oct. PMID: 33102859
 - Kmietowicz Z. Sixty seconds on . . . vitamin D. *BMJ*. 2020 Oct 5;371:m3872. doi: 10.1136/bmj.m3872. PMID: 33020048
 - Lindahl IEI , Danielsen M , Dalsgaard TK, et al. Correction: Milk protein complexation enhances post prandial vitamin D(3) absorption in rats. *Food Funct*. 2020 Nov 18;11(11):10242. doi: 10.1039/d0fo90053b. PMID: 33146187
 - Mager DR. Interpreting Vitamin D Levels. *Home Healthc Now*. 2020 Nov/Dec;38(6):341-342. doi: 10.1097/NHH.0000000000000935. PMID: 33165111
 - Mahdavi R, Belgheisi G, Haghbin-Nazarpak M, et al. Bone tissue engineering gelatin-hydroxyapatite/graphene oxide scaffolds with the ability to release vitamin D: fabrication, characterization, and in vitro study. *J Mater Sci Mater Med*. 2020 Oct 31;31(11):97. doi: 10.1007/s10856-020-06430-5. PMID: 33135110
 - Mosavat M, Smyth A, Arabiat D, et al. Vitamin D and sleep duration: Is there a bidirectional relationship? *Horm Mol Biol Clin Investig*. 2020 Nov 12:/j/hmbci. ahead-of-print/hmbci-2020-0025/hmbci-2020-0025.xml. doi: 10.1515/hmbci-2020-0025. Online ahead of print. PMID: 33185571
 - Muscogiuri G. Introduction to Vitamin D: current evidence and future directions. *Eur J Clin Nutr*. 2020 Nov;74(11):1491-1492. doi: 10.1038/s41430-020-00770-9. Epub 2020 Oct 28. PMID: 33139889
 - Ong LTC, Booth DR, Parnell GP. Vitamin D and its Effects on DNA Methylation in Development, Aging, and Disease. *Mol Nutr Food Res*. 2020 Oct 20:e2000437. doi: 10.1002/mnfr.202000437. Online ahead of print. PMID: 33079481 Review.
 - Patel V, Gillies C, Patel P, et al. Reducing vitamin D requests in a primary care cohort: a quality improvement study. *BJGP Open*. 2020 Nov 3:bjgopen20X101090. doi: 10.3399/bjgopen20X101090. Online ahead of print. PMID: 33144362
 - Pilch W, Kita B, Piotrowska A, et al. The effect of vitamin D supplementation on the muscle damage after eccentric exercise in young men: a randomized, control trial. *J Int Soc Sports Nutr*. 2020 Nov 11;17(1):53. doi: 10.1186/s12970-020-00386-1. PMID: 33176796
 - Pinto JM, Merzbach V, Willmott AGB, et al. Assessing the impact of a mushroom-derived food ingredient on vitamin D levels in healthy volunteers. *J Int Soc Sports Nutr*. 2020 Nov 11;17(1):54. doi: 10.1186/s12970-020-00387-0. PMID: 33176826
 - Rajwar E, Parsekar SS, Venkatesh BT, et al. Effect of vitamin A, calcium and vitamin D fortification and supplementation on nutritional status of women: an overview of systematic reviews. *Syst Rev*. 2020 Oct 27;9(1):248. doi: 10.1186/s13643-020-01501-8. PMID: 33109248
 - Rhim GI. Effect of Vitamin D Injection in Recurrent Benign Paroxysmal Positional Vertigo with Vitamin D Deficiency. *Int Arch Otorhinolaryngol*. 2020 Oct;24(4):e423-e428. doi: 10.1055/s-0039-3402431. Epub 2020 Feb 7. PMID: 33101505
 - Santos MB, de Carvalho CWP, Garcia-Rojas EE. Microencapsulation of vitamin D(3) by complex coacervation using carboxymethyl tara gum (*Caesalpinia spinosa*) and gelatin A. *Food Chem*. 2020 Nov 3:128529. doi: 10.1016/j.foodchem.2020.128529. Online ahead of print. PMID: 33191011
 - Sarina S, Ahmad S, Fateme A, et al. Optimizing the production of vitamin D in white button mushrooms (*Agaricus Bisporus*) using ultraviolet radiation and measurement of its stability. *Lebensm Wiss Technol*. 2020 Oct 14:110401. doi: 10.1016/j.lwt.2020.110401. Online ahead of print. PMID: 33078031
 - Slomski A. Vitamin D and Calcium Prevent Recurrent Vertigo. *JAMA*. 2020 Oct 27;324(16):1599. doi: 10.1001/jama.2020.18695. PMID: 33107939
 - Watkins S, Freeborn E, Mushtaq S. A validated food frequency questionnaire to determine dietary intake of vitamin D. *Public Health Nutr*. 2020 Nov 6:1-16. doi: 10.1017/S136898002000453X. Online ahead of print. PMID: 33155538
 - Weir RR, Johnston M, Lowis C, et al. Vitamin D(3) content of cows' milk produced in Northern Ireland and its efficacy as a vehicle for vitamin D fortification: a UK model. *Int J Food Sci Nutr*. 2020 Oct 26:1-9. doi: 10.1080/09637486.2020.1837743. Online ahead of print. PMID: 33100087
 - Yadav A, Kumar J. Vitamin D Deficiency: Definition Matters! *Indian Pediatr*. 2020 Nov 15;57(11):1083-1084. doi: 10.1007/s13312-020-2049-6. PMID: 33231187
 - Zhang C, Liu K, Hou J. Extending the vitamin D pathway to vitamin D(3) and CYP27A1 in periodontal ligament cells. *J Periodontol*. 2020 Oct 26. doi: 10.1002/jper.20-0225. Online ahead of print. PMID: 33107041

NEFROLOGIA

- Czarnik T, Czarnik A, Gawda R, et al. Vitamin D serum levels in multiorgan failure critically ill patients undergoing continuous renal replacement therapies. *Anesthesiol Intensive Ther*. 2020 Nov 27:42477. doi: 10.5114/ait.2020.101008. Online ahead of print. PMID: 33242935
- Alfieri C, Vettoretti S, Ruzhynska O, et al. Vitamin D and subclinical cardiac damage in a cohort of kidney transplanted patients:

a retrospective observational study. *Sci Rep.* 2020 Nov 5;10(1):19160. doi: 10.1038/s41598-020-76261-5. PMID: 33154468

- Choudhary A, Mohanraj PS, Krishnamurthy S, et al. Association of Urinary Vitamin D Binding Protein and Neutrophil Gelatinase-Associated Lipocalin with Steroid Responsiveness in Idiopathic Nephrotic Syndrome of Childhood. *Saudi J Kidney Dis Transpl.* 2020 Sep-Oct;31(5):946-956. doi: 10.4103/1319-2442.301201. PMID: 33229759
- Hatano M, Kitajima I, Isawa K, et al. Diaphyseal femoral fracture due to severe vitamin D(3) deficiency and low parathyroid hormone levels on long-term hemodialysis: a case report. *Arch Osteoporos.* 2020 Nov 12;15(1):179. doi: 10.1007/s11657-020-00849-7. PMID: 33180218
- Jiang S, Huang L, Zhang W, et al. Vitamin D/VDR in acute kidney injury: a potential therapeutic target. *Curr Med Chem.* 2020 Nov 18. doi: 10.2174/0929867327666201118155625. Online ahead of print. PMID: 33213307
- Miller MS, Rudinsky AJ, Klamer BG, et al. Association between vitamin D metabolites, vitamin D binding protein, and proteinuria in dogs. *J Vet Intern Med.* 2020 Oct 7. doi: 10.1111/jvim.15912. Online ahead of print. PMID: 33026128
- Saki F, Salehifar A, Kassaee SR, et al. Association of vitamin D and FGF23 with serum ferritin in hypoparathyroid thalassemia: a case control study. *BMC Nephrol.* 2020 Nov 16;21(1):482. doi: 10.1186/s12882-020-02101-3. PMID: 33198660
- Schön A, Leifheit-Nestler M, Deppe J, et al. Active vitamin D is cardioprotective in experimental uraemia but not in children with CKD Stages 3-5. *Nephrol Dial Transplant.* 2020 Nov 26:gfaa227. doi: 10.1093/ndt/gfaa227. Online ahead of print. PMID: 33241290
- Winder MB, Mason DL, Rangaswami J, et al. Racial differences in the relationship between high-normal 25-hydroxy vitamin d and parathyroid hormone levels in early stage chronic kidney disease. *J Bras Nefrol.* 2020 Oct 5:S0101-28002020005035203. doi: 10.1590/2175-8239JB-2020-0138. Online ahead of print. PMID: 33022030
- Yuan P, Wang T, Li H, et al. Systematic Review and Meta-Analysis of the Associa-

tion Between Vitamin D Status and Lower Urinary Tract Symptoms. *J Urol.* 2020 Nov 18:101097JU0000000000001441. doi: 10.1097/JU.0000000000001441. Online ahead of print. PMID: 33207134

NEUROLOGIA

- Soares JZ, Pettersen R, Benth JŠ, et al. Vitamin D Levels, APOE Allele, and MRI Volumetry Assessed by NeuroQuant in Norwegian Adults with Cognitive Symptoms. *J Alzheimers Dis.* 2020 Nov 23. doi: 10.3233/JAD-201018. Online ahead of print. PMID: 33252081
- Ali A, Shah SA, Zaman N, et al. Vitamin D exerts neuroprotection via SIRT1/nrf-2/NF-κB signaling pathways against D-galactose-induced memory impairment in adult mice. *Neurochem Int.* 2020 Nov 4;142:104893. doi: 10.1016/j.neuint.2020.104893. Online ahead of print. PMID: 33159979
- Arévalo NB, Castillo-Godoy DP, Espinoza-Fuenzalida I, et al. Association of Vitamin D Receptor Polymorphisms with Amyloid-beta Transporters Expression and Risk of Mild Cognitive Impairment in a Chilean Cohort. *J Alzheimers Dis.* 2020 Nov 13. doi: 10.3233/JAD-201031. Online ahead of print. PMID: 33216035
- Cancela Díez B, Pérez-Ramírez C, Maldonado-Montoro MDM, et al. Association between polymorphisms in the vitamin D receptor and susceptibility to multiple sclerosis. *Pharmacogenet Genomics.* 2020 Oct 8. doi: 10.1097/FPC.0000000000000420. Online ahead of print. PMID: 33044390
- Chouët J, Sacco G, Karras SN, et al. Vitamin D and Delirium in Older Adults: A Case-Control Study in Geriatric Acute Care Unit. *Front Neurol.* 2020 Sep 18;11:1034. doi: 10.3389/fneur.2020.01034. eCollection 2020. PMID: 33071932
- Fan YG, Pang ZQ, Wu TY, et al. Vitamin D deficiency exacerbates Alzheimer-like pathologies by reducing antioxidant capacity. *Free Radic Biol Med.* 2020 Oct 14;161:139-149. doi: 10.1016/j.freeradbiomed.2020.10.007. Online ahead of print. PMID: 33068737
- Fu X, Shea MK, Dolnikowski GG, et al. Vitamin D and Vitamin K Concentrations in Human Brain Tissue Are Influenced by Freezer Storage Time: The Memory and Aging Project. *J Nutr.* 2020 Nov 26:nxaa336. doi: 10.1093/jn/nxaa336. Online ahead of print. PMID: 33245132
- Gao S, Xun C, Xu T, et al. Associations between vitamin D receptor gene polymorphisms and spinal degenerative disease: evidence from a meta-analysis based on 35 case-control studies. *Clin Neurol Neurosurg.* 2020 Oct 23:106325. doi: 10.1016/j.clineuro.2020.106325. Online ahead of print. PMID: 33160714
- Jiménez-Jiménez FJ, Amo G, Alonso-Navarro H, et al. Serum vitamin D, vitamin D receptor and binding protein genes polymorphisms in restless legs syndrome. *J Neurol.* 2020 Nov 21. doi: 10.1007/s00415-020-10312-9. Online ahead of print. PMID: 33219423
- Kim H, Shin JY, Lee YS, et al. Brain Endothelial P-Glycoprotein Level Is Reduced in Parkinson's Disease via a Vitamin D Receptor-Dependent Pathway. *Int J Mol Sci.* 2020 Nov 12;21(22):8538. doi: 10.3390/ijms21228538. PMID: 33198348
- Livingston S, Mallick S, Lucas DA, et al. Pomegranate derivative urolithin A enhances vitamin D receptor signaling to amplify serotonin-related gene induction by 1,25-dihydroxyvitamin D. *Biochem Biophys Rep.* 2020 Oct 13;24:100825. doi: 10.1016/j.bbrep.2020.100825. eCollection 2020 Dec. PMID: 33088927
- Manappallil RG, Krishnan R, Veetil PP, et al. Hypocalcemic Seizure Due to Vitamin D Deficiency. *Indian J Crit Care Med.* 2020 Sep;24(9):882-884. doi: 10.5005/ij-pjournals-10071-23586. PMID: 33132579
- Riccardi C, Perrone L, Napolitano F, et al. Understanding the Biological Activities of Vitamin D in Type 1 Neurofibromatosis: New Insights into Disease Pathogenesis and Therapeutic Design. *Cancers (Basel).* 2020 Oct 13;12(10):2965. doi: 10.3390/cancers12102965. PMID: 33066259
- Rist PM, Buring JE, Cook NR, et al. Effect of vitamin D and/or omega-3 fatty acid supplementation on stroke outcomes: A randomized trial. *Eur J Neurol.* 2020 Oct 31. doi: 10.1111/ene.14623. Online ahead of print. PMID: 33131164
- Santangelo G, Raimo S, Erro R, et al. Vitamin D as a possible biomarker of mild cognitive impairment in parkinsonians. *Aging Ment Health.* 2020 Oct 28:1-5. doi: 10.1080/13607863.2020.1839860. Online ahead of print. PMID: 33111573

- Scazzone C, Agnello L, Bivona G, et al. Vitamin D and Genetic Susceptibility to Multiple Sclerosis. *Biochem Genet.* 2020 Nov 7. doi: 10.1007/s10528-020-10010-1. Online ahead of print. PMID: 33159645 Review.
- Yang T, Wang H, Xiong Y, et al. Vitamin D Supplementation Improves Cognitive Function Through Reducing Oxidative Stress Regulated by Telomere Length in Older Adults with Mild Cognitive Impairment: A 12-Month Randomized Controlled Trial. *J Alzheimers Dis.* 2020 Nov 4. doi: 10.3233/JAD-200926. Online ahead of print. PMID: 33164936
- Yousuf S, Atif F, Espinosa-Garcia C, et al. Stroke-Induced Peripheral Immune Dysfunction in Vitamin D-Deficient Conditions: Modulation by Progesterone and Vitamin D. *Mol Neurobiol.* 2020 Oct 16. doi: 10.1007/s12035-020-02129-4. Online ahead of print. PMID: 33063282
- Zhang Y, Wu Y, Guo J, et al. Correlation between vitamin D and cognitive function in patients with traumatic brain injury in China. *Appl Neuropsychol Adult.* 2020 Nov 25:1-5. doi: 10.1080/23279095.2020.1842409. Online ahead of print. PMID: 33237839

ONCOLOGIA

- Brown JC, Rosenthal MH, Ma C, et al. Effect of High-Dose vs Standard-Dose Vitamin D(3) Supplementation on Body Composition among Patients with Advanced or Metastatic Colorectal Cancer: A Randomized Trial. *Cancers (Basel).* 2020 Nov 20;12(11):3451. doi: 10.3390/cancers12113451. PMID: 33233566
- Anisiewicz A, Kowalski K, Banach J, et al. Vitamin D Metabolite Profile in Cholecalciferol- or Calcitriol-Supplemented Healthy and Mammary Gland Tumor-Bearing Mice. *Nutrients.* 2020 Nov 6;12(11):3416. doi: 10.3390/nu12113416. PMID: 33172201
- Arumugam M, Sonkusare S, Goripalli S, et al. Vitamin D receptor Fok1 polymorphism and invasive ovarian carcinoma risk - A case-control study. *Gene.* 2020 Nov 4:145291. doi: 10.1016/j.gene.2020.145291. Online ahead of print. PMID: 33157205
- Bahat AV, Bar-David S, Brooks A, et al. Protective Desmoplasia in Pancreatic Adenocarcinoma: High Vitamin D Receptor Expression and Collagen Content. *Anticancer Res.* 2020 Nov;40(11):6457-6464. doi: 10.21873/anticanres.14667. PMID: 33109584
- Brożyna AA, Kim TK, Zabłocka M, et al. Association among Vitamin D, Retinoic Acid-Related Orphan Receptors, and Vitamin D Hydroxyderivatives in Ovarian Cancer. *Nutrients.* 2020 Nov 19;12(11):3541. doi: 10.3390/nu12113541. PMID: 33227893
- Cataldi S, Arcuri C, Lazzarini A, et al. Effect of 1 α ,25(OH)₂ Vitamin D(3) in Mutant P53 Glioblastoma Cells: Involvement of Neutral Sphingomyelinase1. *Cancers (Basel).* 2020 Oct 28;12(11):3163. doi: 10.3390/cancers12113163. PMID: 33126474
- Docs J, Banyai D, Flasko T, et al. Impaired Vitamin D Signaling Is Associated With Frequent Development of Renal Cell Tumor in End-stage Kidney Disease. *Anticancer Res.* 2020 Nov;40(11):6525-6530. doi: 10.21873/anticanres.14676. PMID: 33109593
- Duma N, Croghan I, Jenkins S, et al. Assessing vitamin D and mammographic breast density in Alaskan women. *Clin Pract.* 2020 Oct 15;10(4):1253. doi: 10.4081/cp.2020.1253. eCollection 2020 Oct 15. PMID: 33117515
- El-Mahdy RI, Zakhary MM, Maximous DW, et al. Circulating osteocyte-related biomarkers (vitamin D, sclerostin, dickkopf-1), hepcidin, and oxidative stress markers in early breast cancer: Their impact in disease progression and outcome. *J Steroid Biochem Mol Biol.* 2020 Nov;204:105773. doi: 10.1016/j.jsbmb.2020.105773. Epub 2020 Oct 13. PMID: 33065276
- González-Sancho JM, Larriba MJ, Muñoz A. Wnt and Vitamin D at the Crossroads in Solid Cancer. *Cancers (Basel).* 2020 Nov 19;12(11):3434. doi: 10.3390/cancers12113434. PMID: 33227961
- Hellwege JN, Zhu X, Huang X, et al. Blunted PTH response to vitamin D insufficiency/deficiency and colorectal neoplasia risk. *Clin Nutr.* 2020 Nov 6:S0261-5614(20)30603-8. doi: 10.1016/j.clnu.2020.10.057. Online ahead of print. PMID: 33190990
- Javed M, Althwanay A, Ahsan F, et al. Role of Vitamin D in Colorectal Cancer: A Holistic Approach and Review of the Clinical Utility. *Cureus.* 2020 Sep 30;12(9):e10734. doi: 10.7759/cureus.10734. PMID: 33145139
- Kim SI, Chaurasia S, Park AK, et al. Vitamin D as a Primer for Oncolytic Viral Therapy in Colon Cancer Models. *Int J Mol Sci.* 2020 Oct 3;21(19):7326. doi: 10.3390/ijms21197326. PMID: 33023064
- Mäkitie A, Tuokkola I, Laurell G, et al. Vitamin D in Head and Neck Cancer: a Systematic Review. *Curr Oncol Rep.* 2020 Nov 20;23(1):5. doi: 10.1007/s11912-020-00996-7. PMID: 33216252
- Passarelli MN, Karagas MR, Mott LA, et al. Risk of keratinocyte carcinomas with vitamin D and calcium supplementation: a secondary analysis of a randomized clinical trial. *Am J Clin Nutr.* 2020 Oct 6:nqaa267. doi: 10.1093/ajcn/nqaa267. Online ahead of print. PMID: 33022713
- Pejovic T, Joshi S, Campbell S, et al. Association between vitamin D and ovarian cancer development in BRCA1 mutation carriers. *Oncotarget.* 2020 Nov 10;11(45):4104-4114. doi: 10.18632/oncotarget.27803. eCollection 2020 Nov 10. PMID: 33227068
- Phuthong S, Settheetham-Ishida W, Natphopsuk S, et al. Genetic Polymorphisms of Vitamin D Receptor Gene are Associated with Cervical Cancer Risk in Northeastern Thailand. *Asian Pac J Cancer Prev.* 2020 Oct 1;21(10):2935-2939. doi: 10.31557/APJCP.2020.21.10.2935. PMID: 33112551
- Rozmus D, Ciesielska A, Płomiński J, et al. Vitamin D Binding Protein (VDBP) and Its Gene Polymorphisms-The Risk of Malignant Tumors and Other Diseases. *Int J Mol Sci.* 2020 Oct 22;21(21):7822. doi: 10.3390/ijms21217822. PMID: 33105665
- Sadeghi H, Kamaliyan Z, Mohseni R, et al. Dysregulation of vitamin D synthesis pathway genes in colorectal cancer: A case-control study. *J Clin Lab Anal.* 2020 Oct 14:e23617. doi: 10.1002/jclu.23617. Online ahead of print. PMID: 33058307
- Saleh MA, Antar SA, Hazem RM, et al. Pirfenidone and Vitamin D Ameliorate Cardiac Fibrosis Induced by Doxorubicin in Ehrlich Ascites Carcinoma Bearing Mice: Modulation of Monocyte Chemoattractant Protein-1 and Jun N-terminal Kinase-1

Pathways. *Pharmaceuticals* (Basel). 2020 Oct 28;13(11):348. doi: 10.3390/ph13110348. PMID: 33126642

- Songyang Y, Song T, Shi Z, et al. Effect of vitamin D on malignant behavior of non-small cell lung cancer cells. *Gene*. 2020 Nov 13:145309. doi: 10.1016/j.gene.2020.145309. Online ahead of print. PMID: 33197518
- Stroomberg HV, Vojdeman FJ, Madsen CM, et al. Vitamin D levels and the risk of prostate cancer and prostate cancer mortality. *Acta Oncol*. 2020 Oct 24:1-7. doi: 10.1080/0284186X.2020.1837391. Online ahead of print. PMID: 33103532
- Sun K, Zuo M, Zhang Q, et al. Anti-Tumor Effect of Vitamin D Combined with Calcium on Lung Cancer: A Systematic Review and Meta-Analysis. *Nutr Cancer*. 2020 Nov 23:1-10. doi: 10.1080/01635581.2020.1850812. Online ahead of print. PMID: 33225749
- Tóth Z, Szalay B, Gyarmati B, et al. Vitamin D Deficiency has no Impact on PSA Reference Ranges in a General University Hospital - A Retrospective Analysis. *EJIFCC*. 2020 Sep 29;31(3):225-230. eCollection 2020 Sep. PMID: 33061877
- Uhm SJ, Hall JA, Herrington JD. Severe and prolonged hypocalcemia after a single dose of denosumab for metastatic breast cancer with diffuse bone involvement without prior calcium/vitamin D supplementations. *J Oncol Pharm Pract*. 2020 Oct 21:1078155220964550. doi: 10.1177/1078155220964550. Online ahead of print. PMID: 33081580
- Vermandere K, Bostick RM, Tran HQ, et al. Effects of Supplemental Calcium and Vitamin D on Circulating Biomarkers of Gut Barrier Function in Colon Adenoma Patients: a Randomized Clinical Trial. *Cancer Prev Res (Phila)*. 2020 Nov 23:canprevres.0461.2020. doi: 10.1158/1940-6207.CAPR-20-0461. Online ahead of print. PMID: 33229339
- Vornicescu C, Ungureanu I, Şenilă SC, et al. Assessment of sun-related behavior and serum vitamin D in basal cell carcinoma: Preliminary results. *Exp Ther Med*. 2020 Dec;20(6):187. doi: 10.3892/etm.2020.9317. Epub 2020 Oct 13. PMID: 33101477
- Wang W, Hu W, Xue S, et al. Vitamin D and Lung Cancer; Association, Prevention, and Treatment. *Nutr Cancer*. 2020 Nov 23:1-13. doi: 10.1080/01635581.2020.1844245. Online ahead of print. PMID: 33225744
- Wu J, Yang N, Yuan M. Dietary and circulating vitamin D and risk of renal cell carcinoma: a meta-analysis of observational studies. *Int Braz J Urol*. 2020 Nov 4;47. doi: 10.1590/S1677-5538.IBJU.2020.0417. Online ahead of print. PMID: 33146974
- Xu H, Liu Z, Shi H, et al. Prognostic role of vitamin D receptor in breast cancer: a systematic review and meta-analysis. *BMC Cancer*. 2020 Nov 1;20(1):1051. doi: 10.1186/s12885-020-07559-w. PMID: 33131491
- Zendehdel A, Ansari M, Khatami F, et al. The effect of vitamin D supplementation on the progression of benign prostatic hyperplasia: A randomized controlled trial. *Clin Nutr*. 2020 Nov 7:S0261-5614(20)30609-9. doi: 10.1016/j.clnu.2020.11.005. Online ahead of print. PMID: 33213976
- Zgaga L. Heterogeneity of the Effect of Vitamin D Supplementation in Randomized Controlled Trials on Cancer Prevention. *JAMA Netw Open*. 2020 Nov 2;3(11):e2027176. doi: 10.1001/jamanetworkopen.2020.27176. PMID: 33206187
- Lanceta VA, Marín Ruiz N, Benito Costey S, et al. [A neonatal hypocalcemia due to maternal vitamin D deficiency. Reviewing supplementation]. *An Pediatr (Barc)*. 2020 Oct 26:S1695-4033(20)30427-6. doi: 10.1016/j.anpedi.2020.09.011. Online ahead of print. PMID: 33121899
- Ma L, Geng LM, Zhou XH. [A comparative analysis of the efficacy of two vitamin D supplementation regimens in preterm infants: a prospective randomized controlled study]. *Zhongguo Dang Dai Er Ke Za Zhi*. 2020 Oct;22(10):1061-1065. doi: 10.7499/j.issn.1008-8830.2005062. PMID: 33059801
- Meena P, Saran AN, Shah D, et al. Compliance to Prescription of Routine Vitamin D Supplementation in Infants. *Indian Pediatr*. 2020 Nov 15;57(11):1067-1069. PMID: 33231176
- Oktaria V, Graham SM, Triasih R, et al. The prevalence and determinants of vitamin D deficiency in Indonesian infants at birth and six months of age. *PLoS One*. 2020 Oct 5;15(10):e0239603. doi: 10.1371/journal.pone.0239603. eCollection 2020. PMID: 33017838
- Scott M, Corrigan N, Bourke T, et al. Should vitamin D supplementation routinely be prescribed to children receiving antiepileptic medication? *Arch Dis Child*. 2020

PEDIATRIA

- Zheng X, Wu Q, Weng D, et al. Adherence to supplemental vitamin D intake and infant weight gain: a retrospective cohort study in rural southwestern China. *J Int Med Res*. 2020 Nov;48(11):300060520969311. doi: 10.1177/030060520969311. PMID: 33249966
- Bozkurt HB, Çelik M. Investigation of the serum vitamin D level in infants followed up with the diagnosis of laryngomalacia: a case-control study. *Eur Arch Otorhinolaryngol*. 2020 Oct 7. doi: 10.1007/s00405-020-06412-x. Online ahead of print. PMID: 33026500
- Das S, M KK, Biswal N, et al. Association Between Vitamin D Deficiency and Duration of Hospital Stay, Pediatric Intensive Care Unit Stay, and Ventilation; Pediatric Risk of Mortality Score; and Rate of Readmission: A Prospective Observational Study. *Cureus*. 2020 Sep 9;12(9):e10322. doi: 10.7759/cureus.10322. PMID: 33052283

Oct 8:archdischild-2020-320168. doi: 10.1136/archdischild-2020-320168. Online ahead of print. PMID: 33032993

- Song K, Park G, Choi Y, et al. Association of Vitamin D Status and Physical Activity with Lipid Profile in Korean Children and Adolescents: A Population-Based Study. *Children (Basel)*. 2020 Nov 19;7(11):241. doi: 10.3390/children7110241. PMID: 33228115
- Tayde A, Mittal M, Khadgawat R, et al. Response to single oral dose vitamin D in obese vs non-obese vitamin D-deficient children. *Eur J Pediatr*. 2020 Oct 12. doi: 10.1007/s00431-020-03831-0. Online ahead of print. PMID: 33047160

PNEUMOLOGIA

- Lokesh KS, Chaya SK, Jayaraj BS, et al. Vitamin D deficiency is associated with chronic obstructive pulmonary disease and exacerbation of COPD. *Clin Respir J*. 2020 Nov 20. doi: 10.1111/cnj.13310. Online ahead of print. PMID: 33217151
- Aldekwer S, Desiderio A, Farges MC, et al. Vitamin D supplementation associated with physical exercise promotes a tolerogenic immune environment without effect on mammary tumour growth in C57BL/6 mice. *Eur J Nutr*. 2020 Nov 10. doi: 10.1007/s00394-020-02420-z. Online ahead of print. PMID: 33169226
- Amorim CLCG, Oliveira JM, Rodrigues A, et al. Vitamin D: association with eosinophil counts and IgE levels in children with asthma. *J Bras Pneumol*. 2020 Nov 6;47(1):e20200279. doi: 10.36416/1806-3756/e20200279. eCollection 2020. PMID: 33174974
- Andújar-Espinosa R, Salinero-González I, Illán-Gómez F, et al. Effect of vitamin D supplementation on asthma control in patients with vitamin D deficiency: the ACVID randomised clinical trial. *Thorax*. 2020 Nov 5:thoraxjn1-2019-213936. doi: 10.1136/thoraxjn1-2019-213936. Online ahead of print. PMID: 33154023
- Çolak Y, Nordestgaard BG, Afzal S. Low vitamin D and risk of bacterial pneumonias: Mendelian randomisation studies in two population-based cohorts. *Thorax*. 2020 Oct 27:thoraxjn1-2020-215288. doi: 10.1136/thoraxjn1-2020-215288. Online ahead of print. PMID: 33109689
- Huang F, Ju YH, Wang HB, et al. Maternal vitamin D deficiency impairs Treg and Breg

responses in offspring mice and deteriorates allergic airway inflammation. *Allergy Asthma Clin Immunol*. 2020 Oct 14;16:89. doi: 10.1186/s13223-020-00487-1. eCollection 2020. PMID: 33072159

- Janssen R, Serré J, Piscaer I, et al. Post hoc analysis of a randomised controlled trial: effect of vitamin D supplementation on circulating levels of desmosine in COPD. *ERJ Open Res*. 2020 Oct 5;6(4):00128-2019. doi: 10.1183/23120541.00128-2019. eCollection 2020 Oct. PMID: 33043047
- Jat KR, Goel N, Gupta N, et al. Efficacy of vitamin D supplementation in asthmatic children with vitamin D deficiency: a randomized controlled trial (ESDAC trial). *Pediatr Allergy Immunol*. 2020 Nov 18. doi: 10.1111/pai.13415. Online ahead of print. PMID: 33207014
- Kuwabara A, Tsugawa N, Ao M, et al. Vitamin D deficiency as the risk of respiratory tract infections in the institutionalized elderly: A prospective 1-year cohort study. *Clin Nutr ESPEN*. 2020 Dec;40:309-313. doi: 10.1016/j.clnesp.2020.08.012. Epub 2020 Sep 16. PMID: 33183555
- Li X, He J, Yun J. The association between serum vitamin D and obstructive sleep apnea: an updated meta-analysis. *Respir Res*. 2020 Nov 9;21(1):294. doi: 10.1186/s12931-020-01554-2. PMID: 33167989

- Mistry N, Hemler EC, Dholakia Y, et al. Protocol for a case-control study of vitamin D status, adult multidrug-resistant tuberculosis disease and tuberculosis infection in Mumbai, India. *BMJ Open*. 2020 Nov 12;10(11):e039935. doi: 10.1136/bmjopen-2020-039935. PMID: 33184081
- Papanikolaou IC, Afthinos A, Patsiris S, et al. Fatigue and Vitamin D in Sarcoidosis: A Prospective Non-Interventional Study. *Am J Med Sci*. 2020 Oct 5:S0002-9629(20)30433-X. doi: 10.1016/j.amjms.2020.10.001. Online ahead of print. PMID: 33190856
- Patterson B, Smith D, Telford A, et al. Vitamin D deficiency predicts latent TB reactivation independent of preventive therapy: a longitudinal study. *Int J Tuberc Lung Dis*. 2020 Sep 1;24(9):916-921. doi: 10.5588/ijtld.19.0605. PMID: 33156758
- Richter WJ, Sun Y, Psoter KJ, et al. Vitamin D Deficiency Is Associated with Increased Nontuberculous Mycobacteria Risk in Cystic Fibrosis. *Ann Am Thorac Soc*. 2020 Nov 17. doi: 10.1513/AnnalsATS.202003-216RL. Online ahead of print. PMID: 33202142
- Sarhan TS, Elrifai A. Serum level of vitamin D as a predictor for severity and outcome of pneumonia. *Clin Nutr*. 2020 Oct 23:S0261-5614(20)30578-1. doi: 10.1016/j.clnu.2020.10.035. Online ahead of print. PMID: 33158588
- Sehgal IS, Dhooria S, Prasad KT, et al. Prevalence of Vitamin D Deficiency in Treatment-Naïve Subjects with Chronic Pulmonary Aspergillosis. *J Fungi (Basel)*. 2020 Oct 1;6(4):E202. doi: 10.3390/jof6040202. PMID: 33019741
- Wang J, Garcia-Basteiro AL. Should vitamin D supplementation be used concomitantly with LTBI treatment? *Int J Tuberc Lung Dis*. 2020 Sep 1;24(9):875-876. doi: 10.5588/ijtld.20.0148. PMID: 33156752
- Yang C, Lu Y, Wan M, et al. Efficacy of High-Dose Vitamin D Supplementation as an Adjuvant Treatment on Pneumonia: Systematic Review and a Meta-Analysis of Randomized Controlled Studies. *Nutr Clin Pract*. 2020 Oct 9. doi: 10.1002/ncp.10585. Online ahead of print. PMID: 33037694 Review.

PSICHIATRIA

- Libuda L, Naresh R, Ludwig C, et al. A mendelian randomization study on causal effects of 25(OH)vitamin D levels on attention deficit/hyperactivity disorder. *Eur J Nutr*. 2020 Nov 27. doi: 10.1007/s00394-020-02439-2. Online ahead of print. PMID: 33245439
- Bakhtiari-Dovvombaygi H, Izadi S, Zare Moghaddam M, et al. Beneficial effects of vitamin D on anxiety and depression-like behaviors induced by unpredictable chronic mild stress by suppression of brain oxidative stress and neuroinflammation in rats. *Naunyn Schmiedebergs Arch Pharmacol*. 2020 Oct 27. doi: 10.1007/s00210-020-02002-0. Online ahead of print. PMID: 33106919
- Lye MS, Tor YS, Tey YY, et al. Bsml-Apal-TaqI TAC (BAT) Haplotype of Vitamin D Receptor Gene Is Associated with Increased Risk of Major Depressive Disorder. *J Mol Neurosci*. 2020 Oct 9. doi: 10.1007/s12031-020-01719-0. Online ahead of print. PMID: 33034825
- Malik E, Rozner L, Adelson M, et al.

The Relation between Changes in Vitamin D and Vitamin B12 Levels, Body Mass Index and Outcome in Methadone Maintenance Treatment Patients. *J Psychoactive Drugs*. 2020 Nov 3:1-10. doi: 10.1080/02791072.2020.1840680. Online ahead of print. PMID: 33143561

- Ronaldson A, Arias de la Torre J, Gaughan F, et al. Prospective associations between vitamin D and depression in middle-aged adults: findings from the UK Biobank cohort. *Psychol Med*. 2020 Oct 21:1-9. doi: 10.1017/S0033291720003657. Online ahead of print. PMID: 33081855
- Sahasrabudhe N, Lee JS, Scott TM, et al. Serum Vitamin D and Depressive Symptomatology among Boston-Area Puerto Ricans. *J Nutr*. 2020 Oct 6:nxaa253. doi: 10.1093/jn/nxaa253. Online ahead of print. PMID: 33025014
- Sepehrmanesh Z, Kolahdooz F, Abedi F, et al. An Expression of Concern from The Journal of Nutrition's Editorial Office about: Vitamin D Supplementation Affects the Beck Depression Inventory, Insulin Resistance, and Biomarkers of Oxidative Stress in Patients with Major Depressive Disorder: A Randomized, Controlled Clinical Trial. *J Nutr*. 2020 Nov 19;150(11):3043. doi: 10.1093/jn/nxaa341. PMID: 33097954
- Terock J, Hannemann A, Janowitz D, et al. Vitamin D levels are associated with trait resilience but not depression in a general population sample. *Brain Behav*. 2020 Oct 13:e01884. doi: 10.1002/brb3.1884. Online ahead of print. PMID: 33052028
- Windham GC, Pearl M, Poon V, et al. Maternal Vitamin D Levels During Pregnancy in Association With Autism Spectrum Disorders (ASD) or Intellectual Disability (ID) in Offspring; Exploring Non-linear Patterns and Demographic Sub-groups. *Autism Res*. 2020 Nov 2. doi: 10.1002/aur.2424. Online ahead of print. PMID: 33135392
- Yan S, Tian Z, Zhao H, et al. A meta-analysis: Does vitamin D play a promising role in sleep disorders? *Food Sci Nutr*. 2020 Sep 9;8(10):5696-5709. doi: 10.1002/fsn3.1867. eCollection 2020 Oct. PMID: 33133571
- Zhang X. Vitamin D and Depression in Puerto Ricans Living in the United States. *J Nutr*. 2020 Oct 6:nxaa291. doi: 10.1093/jn/nxaa291. Online ahead of print. PMID: 33021316

REUMATOLOGIA

- Liao JL, Qin Q, Zhou YS, et al. Vitamin D receptor Bsm 1 polymorphism and osteoporosis risk in postmenopausal women: a meta-analysis from 42 studies. *Genes Nutr*. 2020 Nov 25;15(1):20. doi: 10.1186/s12263-020-00679-9. PMID: 33238893
- Anagnostis P, Bosdou JK, Kenanidis E, et al. Vitamin D supplementation and fracture risk: Evidence for a U-shaped effect. *Maturitas*. 2020 Nov;141:63-70. doi: 10.1016/j.maturitas.2020.06.016. Epub 2020 Jun 22. PMID: 33036705 Review.
- Barratt KR, Sawyer RK, Atkins GJ, et al. Vitamin D supplementation improves bone mineralisation independent of dietary phosphate in male X-linked hypophosphatemic (Hyp) mice. *Bone*. 2020 Nov 21:115767. doi: 10.1016/j.bone.2020.115767. Online ahead of print. PMID: 33232838
- Bischoff-Ferrari HA, Vellas B, Rizzoli R, et al. Effect of Vitamin D Supplementation, Omega-3 Fatty Acid Supplementation, or a Strength-Training Exercise Program on Clinical Outcomes in Older Adults: The DO-HEALTH Randomized Clinical Trial. *JAMA*. 2020 Nov 10;324(18):1855-1868. doi: 10.1001/jama.2020.16909. PMID: 33170239 Clinical Trial.
- Bollen SE, Atherton PJ. Myogenic, genomic and non-genomic influences of the vitamin D axis in skeletal muscle. *Cell Biochem Funct*. 2020 Oct 9. doi: 10.1002/cbf.3595. Online ahead of print. PMID: 33037688 Review.
- Burt IA, Billington EO, Rose MS, et al. Reply to Effects of High-Dose Vitamin D Supplementation on Bone Fragility. *J Bone Miner Res*. 2020 Oct 23. doi: 10.1002/jbm.4190. Online ahead of print. PMID: 33095473
- Dal Ulutas A, Turgut Cosan D, Mutlu F. Protective and curative role of vitamin D and hormones on the cadmium-induced inhibition of proliferation of human osteoblast cells. *J Basic Clin Physiol Pharmacol*. 2020 Nov 16:/j/jbcpp.ahead-of-print/jbcpp-2020-0134/jbcpp-2020-0134.xml. doi: 10.1515/jbcpp-2020-0134. Online ahead of print. PMID: 33185573
- Despotovic M, Jevtovic Stoimenov T, Stojanovic S, et al. Association of vitamin D receptor genetic variants with bone mineral density and inflammatory markers in rheumatoid arthritis. *Clin Biochem*. 2020 Oct 15:S0009-9120(20)30866-3. doi: 10.1016/j.clinbiochem.2020.10.006. Online ahead of print. PMID: 33068571
- Guan Y, Hao Y, Guan Y, et al. The Effect of Vitamin D Supplementation on Rheumatoid Arthritis Patients: A Systematic Review and Meta-Analysis. *Front Med (Lausanne)*. 2020 Oct 30;7:596007. doi: 10.3389/fmed.2020.596007. eCollection 2020. PMID: 33195358
- Hernando N, Pastor-Arroyo EM, Marks J, et al. 1,25(OH)(2) vitamin D(3) stimulates active phosphate transport but not paracellular phosphate absorption in mouse intestine. *J Physiol*. 2020 Nov 17. doi: 10.1113/jp280345. Online ahead of print. PMID: 33200827
- Huang Z, Liu L, Huang S, et al. Vitamin D (1,25-(OH)(2)D(3)) Improves Endothelial Progenitor Cells Function via Enhanced NO Secretion in Systemic Lupus Erythematosus. *Cardiol Res Pract*. 2020 Oct 16;2020:6802562. doi: 10.1155/2020/6802562. eCollection 2020. PMID: 33123377
- Ingstad F, Solberg LB, Nordsletten L, et al. Vitamin D status and complications, readmissions, and mortality after hip fracture. *Osteoporos Int*. 2020 Nov 17. doi: 10.1007/s00198-020-05739-9. Online ahead of print. PMID: 33201249
- Isnuwardana R, Bijukchhe S, Thadanipon K, et al. Association Between Vitamin D and Uric Acid in Adults: A Systematic Review and Meta-Analysis. *Horm Metab Res*. 2020 Oct;52(10):732-741. doi: 10.1055/a-1240-5850. Epub 2020 Oct 13. PMID: 33049785
- Kirk B, Prokopidis K, Duque G. Nutrients to mitigate osteosarcopenia: the role of protein, vitamin D and calcium. *Curr Opin Clin Nutr Metab Care*. 2020 Nov 2. doi: 10.1097/MCO.0000000000000711. Online ahead of print. PMID: 33148944
- Koyama S, Kubota T, Naganuma J, et al. Incidence rate of vitamin D deficiency and FGF23 levels in 12- to 13-year-old adolescents in Japan. *J Bone Miner Metab*. 2020 Nov 18. doi: 10.1007/s00774-020-01173-3. Online ahead of print. PMID: 33206223
- Li HM, Liu Y, Zhang RJ, et al. Vitamin D receptor gene polymorphisms and osteoarthritis: a meta-analysis. *Rheumatology (Oxford)*. 2020 Nov 4:keaa644. doi:

- 10.1093/rheumatology/keaa644. Online ahead of print. PMID: 33147632
- Li S, Xi C, Li L, et al. Comparisons of different vitamin D supplementation for prevention of osteoporotic fractures: a Bayesian network meta-analysis and meta-regression of randomised controlled trials. *Int J Food Sci Nutr.* 2020 Oct 11;1-11. doi: 10.1080/09637486.2020.1830264. Online ahead of print. PMID: 33043722
 - Liu AQ, Zhang LS, Guo H, et al. Long-term dental intervention and laboratory examination in a patient with Vitamin D-dependent rickets type I: A case report. *Medicine (Baltimore).* 2020 Oct 9;99(41):e22508. doi: 10.1097/MD.00000000000022508. PMID: 33031289
 - Liu C, Kuang X, Li K, et al. Effects of combined calcium and vitamin D supplementation on osteoporosis in postmenopausal women: a systematic review and meta-analysis of randomized controlled trials. *Food Funct.* 2020 Nov 25. doi: 10.1039/dfo00787k. Online ahead of print. PMID: 33237064
 - Marini F, Falcini F, Stagi S, et al. Study of vitamin D status and vitamin D receptor polymorphisms in a cohort of Italian patients with juvenile idiopathic arthritis. *Sci Rep.* 2020 Oct 16;10(1):17550. doi: 10.1038/s41598-020-74861-9. PMID: 33067526
 - Min C, Yoo DM, Wee JH, et al. High-Intensity Physical Activity with High Serum Vitamin D Levels is Associated with a Low Prevalence of Osteopenia and Osteoporosis: A Population-Based Study. *Osteoporos Int.* 2020 Nov 23. doi: 10.1007/s00198-020-05746-w. Online ahead of print. PMID: 33230576
 - Misof BM, Blouin S, Hofstaetter JG, et al. No Role of Osteocytic Osteolysis in the Development and Recovery of the Bone Phenotype Induced by Severe Secondary Hyperparathyroidism in Vitamin D Receptor Deficient Mice. *Int J Mol Sci.* 2020 Oct 27;21(21):7989. doi: 10.3390/ijms21217989. PMID: 33121142
 - Miyakoshi N, Masutani N, Kasukawa Y, et al. Comparison of the Effects of Native Vitamin D and Eldecalcitol on Muscular Strength and Dynamic Balance in Patients with Postmenopausal Osteoporosis. *Prog Rehabil Med.* 2020 Oct 30;5:20200026. doi: 10.2490/prm.20200026. eCollection 2020. PMID: 33134594
 - Parsanathan R, Achari AE, Manna P, et al. L-Cysteine and Vitamin D Co-Supplementation Alleviates Markers of Musculoskeletal Disorders in Vitamin D-Deficient High-Fat Diet-Fed Mice. *Nutrients.* 2020 Nov 6;12(11):3406. doi: 10.3390/nu12113406. PMID: 33171932
 - Patel WV, Wuthrich ZR, Ortega A, et al. Recombinant Human Bone Morphogenic Protein-2 Improves Spine Fusion in a Vitamin D-Deficient Rat Model. *Int J Spine Surg.* 2020 Oct;14(5):694-705. doi: 10.14444/7101. Epub 2020 Oct 19. PMID: 33077435
 - Porntpaisalsakul K, Songtaweesin WN, Tepmongkol S, et al. Effects of vitamin D and calcium supplementation on bone mineral density among Thai youth using daily HIV pre-exposure prophylaxis. *J Int AIDS Soc.* 2020 Oct;23(10):e25624. doi: 10.1002/jia2.25624. PMID: 33040465
 - Ringe JD. Plain vitamin D or active vitamin D in the treatment of osteoporosis: where do we stand today? *Arch Osteoporos.* 2020 Nov 14;15(1):182. doi: 10.1007/s11657-020-00842-0. PMID: 33188611 Review.
 - Rubio Sánchez P, Ferrer Lozano M. [Vitamin D deficiency as cause of rickets in a patient of African origin]. *An Pediatr (Barc).* 2020 Oct 29;S1695-4033(20)30416-1. doi: 10.1016/j.anpedi.2020.09.003. Online ahead of print. PMID: 33132067
 - Rybchyn MS, Abboud M, Puglisi DA, et al. Skeletal Muscle and the Maintenance of Vitamin D Status. *Nutrients.* 2020 Oct 26;12(11):3270. doi: 10.3390/nu12113270. PMID: 33114526
 - Sato T, Watanabe M, Onoda Y, et al. Heterotopic ossification in a patient with paroxysmal sympathetic hyperactivity following multiple trauma complicated with vitamin D deficiency: a case report. *Surg Case Rep.* 2020 Nov 23;6(1):293. doi: 10.1186/s40792-020-01031-4. PMID: 33226506
 - Sugiyama T. Effects of High-Dose Vitamin D Supplementation on Bone Fragility. *J Bone Miner Res.* 2020 Nov 2. doi: 10.1002/jbmr.4194. Online ahead of print. PMID: 33136304
 - Tripathy SK, Gantaguru A, Nanda SN, et al. Association of vitamin D and knee osteoarthritis in younger individuals. *World J Orthop.* 2020 Oct 18;11(10):418-425. doi: 10.5312/wjo.v11.i10.418. eCollection 2020 Oct 18. PMID: 33134104
 - Uchitomi R, Oyabu M, Kamei Y. Vitamin D and Sarcopenia: Potential of Vitamin D Supplementation in Sarcopenia Prevention and Treatment. *Nutrients.* 2020 Oct 19;12(10):3189. doi: 10.3390/nu12103189. PMID: 33086536
 - Zhao J, Cai Q, Jiang D, et al. The Associations of Serum Vitamin D and Bone Turnover Markers with the Type and Severity of Hip Fractures in Older Women. *Clin Interv Aging.* 2020 Oct 15;15:1971-1978. doi: 10.2147/CIA.S271904. eCollection 2020. PMID: 33116451