

CARDIOLOGIA

- Abouzid M, Kruszyna Ł, Kaczmarek D, et al. Genetic Polymorphism of CYP2R1, CYP27A1, CYP27B1, and Vitamin D Metabolites Plasma Levels in Patients with Cardiovascular Disease: A Pilot Study. *Biomolecules*. 2025 May 11;15(5):699. <https://doi.org/10.3390/biom15050699>. PMID: 40427592
- Akylidiz Tezcan E, Tezcan H. A cross-sectional study on vitamin D deficiency and cardiac electrophysiology: Evaluating the frontal QRS-T angle. *Medicine (Baltimore)*. 2025 May 30;104(22):e42694. <https://doi.org/10.1097/MD.00000000000042694>. PMID: 40441193
- Borman WA, Landrigan LM, Berg NJ, et al. Vitamin D Deficiency and Driveline Infections in Patients With Left Ventricular Assist Devices. *Artif Organs*. 2025 Jul;49(7):1185-1191. <https://doi.org/10.1111/aor.14988>. Epub 2025 Mar 17. PMID: 40091863
- Chen R, Yao Y, Yu J, et al. Serum klotho concentration, vitamin D concentration and cardiovascular diseases risk: Evidence from the NHANES database 2007-2016. *Nutr Metab Cardiovasc Dis*. 2025 Jun;35(6):103905. <https://doi.org/10.1016/j.numecd.2025.103905>. Epub 2025 Feb 5. PMID: 40199712
- Chen Y, Chen D, Peng Y, et al. The effect of vitamin D supplementation on endothelial function: An umbrella review of interventional meta-analyses. *Nutr Metab Cardiovasc Dis*. 2025 Jul;35(7):103871. <https://doi.org/10.1016/j.numecd.2025.103871>. Epub 2025 Jan 25. PMID: 39986938
- Cimminiello C. Evidence that adequate vitamin D intake reduces cardiovascular disease risk. Author's reply. *Eur J Intern Med*. 2025 Jun;136:125. <https://doi.org/10.1016/j.ejim.2025.04.014>. Epub 2025 Apr 15. PMID: 40240190
- Cimminiello C. The emperor's new clothes and the case of vitamin D and cardiovascular risk. A few thoughts after the guidelines of the American Society of Endocrinology. *Eur J Intern Med*. 2025 Apr;134:25-27. <https://doi.org/10.1016/j.ejim.2025.02.010>. Epub 2025 Feb 17. PMID: 39955236
- Fadah K, Mares A, Lange RA. Statin-Associated muscle symptoms and vitamin D supplementation. *Curr Opin Cardiol*. 2025 Jul 1;40(4):215-220. <https://doi.org/10.1097/HCO.0000000000001222>. Epub 2025 Apr 24. PMID: 40183368
- Gold ME, Kulkarni S, Yadalani A, et al. Cardiac allograft vasculopathy mediates the relationship between vitamin D deficiency and cardiovascular mortality following heart transplantation. *Am Heart J*. 2025 May 16;289:138-146. <https://doi.org/10.1016/j.ahj.2025.05.008>. Online ahead of print. PMID: 40383505
- Grant WB, Boucher BJ. Evidence that adequate provision of vitamin D reduces cardiovascular disease risks. *Eur J Intern Med*. 2025 Jun;136:123-124. <https://doi.org/10.1016/j.ejim.2025.02.037>. Epub 2025 Mar 3. PMID: 40038023
- Gálvez-Navas JM, Márquez-Pete N, Páiva-Chaves M, et al. Molecular study of vitamin D metabolism-related single nucleotide polymorphisms in cardiovascular risk: a case-control study. *J Physiol Biochem*. 2025 Apr 16. <https://doi.org/10.1007/s13105-025-01080-z>. Online ahead of print. PMID: 40237935
- Güneş Ö, Altın H. Evaluation of the Relationship between Serum 25(OH) Vitamin D Levels and Cardiac Functions in Adolescent Athletes. *Niger J Clin Pract*. 2025 Apr 1;28(4):471-479. https://doi.org/10.4103/njcp.njcp_732_24. Epub 2025 Apr 26. PMID: 40289003
- Jespersen FE, Grimm D, Krüger M, et al. Current Knowledge of the Impact of Vitamin D in Coronary Artery Disease. *Int J Mol Sci*. 2025 May 22;26(11):5002. <https://doi.org/10.3390/ijms26115002>. PMID: 40507812
- Jia Q, Wang Y, Kong Y. Reply to the Letter regarding 'Relationship between Life's Essential 8, vitamin D, and cardiometabolic Outcomes'. *Diabetes Res Clin Pract*. 2025 May;223:112120. <https://doi.org/10.1016/j.ejim.2025.04.014>. Epub 2025 Apr 15. PMID: 40240190

© Copyright by Pacini Editore srl



OPEN ACCESS

L'articolo è open access e divulgato sulla base della licenza CC-BY-NC-ND (Creative Commons Attribuzione – Non commerciale – Non opere derivate 4.0 Internazionale). L'articolo può essere usato indicando la menzione di paternità adeguata e la licenza; solo a scopi non commerciali; solo in originale. Per ulteriori informazioni: <https://creativecommons.org/licenses/by-nc-nd/4.0/deed.it>

- org/10.1016/j.diabres.2025.112120. Epub 2025 Mar 22. PMID: 40127872
- Jia Q, Yang Y, Liu L, et al. Relationship between life's essential 8, vitamin D, and cardiometabolic outcomes. *Diabetes Res Clin Pract.* 2025 Apr;222:112057. <https://doi.org/10.1016/j.diabres.2025.112057>. Epub 2025 Feb 22. PMID: 39993642
- Ji L, Li S, Yuan T, et al. Inverse association of triglyceride-glucose and triglyceride/HDL-c indexes with serum 25(OH) vitamin D levels in US adults. *Lipids.* 2025 May;60(3):155-163. <https://doi.org/10.1002/lipid.12429>. Epub 2025 Jan 19. PMID: 39829058
- Kampka Z, Czapla D, Wojakowski W, et al. Vitamin D Supplementation in Heart Failure-Confusion Without a Cause? *Nutrients.* 2025 May 28;17(11):1839. <https://doi.org/10.3390/nu17111839>. PMID: 40507108
- Kiely M, Brennan L, Dunlop T, et al. Prevention of chronic disease using vitamins-a case study of the vitamin D and cardiovascular disease hypothesis using evidence from randomised controlled and prospective cohort studies. *Eur J Nutr.* 2025 May 31;64(5):199. <https://doi.org/10.1007/s00394-025-03706-w>. PMID: 40448712
- Loh HH, Azizan EA, Sukor N. Connecting the dots: renin-angiotensin-aldosterone system, vitamin D, and hypertension. *J Hypertens.* 2025 Jul 1;43(7):1136-1145. <https://doi.org/10.1097/HJH.0000000000004046>. Epub 2025 May 2. PMID: 40439183
- Lou YX, Hua Y, Wu TT, et al. Caspase-7 and Vitamin D Receptor Gene as Key Genes of Hypertension Caused by Pyroptosis in Human. *J Clin Hypertens (Greenwich).* 2025 Apr;27(4):e70047. <https://doi.org/10.1111/jch.70047>. PMID: 40259750
- Ma J, Li P, Wang J, et al. Vitamin D status, vitamin D receptor polymorphisms, and risk of cardiometabolic multimorbidity. *Nutr J.* 2025 May 11;24(1):76. <https://doi.org/10.1186/s12937-025-01139-z>. PMID: 40350429
- Niemelä J, Laitinen TT, Nuotio J, et al. Childhood 25-OH-vitamin D Levels Predict Early Cardiovascular Outcomes in Adulthood: The Cardiovascular Risk in Young Finns Study. *Eur J Prev Cardiol.* 2025 Apr 29;zwaf271. <https://doi.org/10.1093/eurjpc/zwaf271>. Online ahead of print. PMID: 40296578
- Qi H, Zhou Y, Hou HT, et al. Contributing role and molecular basis of Vitamin D/Vitamin D receptor deficiency in hyperhomocysteinemia-induced cardiac hypertrophy. *Biochem Pharmacol.* 2025 Apr;234:116812. <https://doi.org/10.1016/j.bcp.2025.116812>. Epub 2025 Feb 18. PMID: 39978691
- Reese JA, Davis E, Fretts AM, et al. Vitamin D Deficiency and Cardiovascular Disease Risk Factors Among American Indian Adolescents: The Strong Heart Family Study. *Prev Chronic Dis.* 2025 Apr 3;22:E13. <https://doi.org/10.5888/pcd22.240354>. PMID: 40179031
- Retraction of: Non-linear Mendelian randomization analyses support a role for vitamin D deficiency in cardiovascular disease risk. *Eur Heart J.* 2025 Apr 15;46(15):1456. <https://doi.org/10.1093/eurheartj/ehaf081>. PMID: 39938556
- Scragg R. Clinical trials of vitamin D supplementation and cardiovascular disease: A synthesis of the evidence. *J Steroid Biochem Mol Biol.* 2025 Jun;250:106733. <https://doi.org/10.1016/j.jsbmb.2025.106733>. Epub 2025 Mar 15. PMID: 40096916
- Sha S, Xie R, Gwenzi T, et al. Real-world evidence for an association of vitamin D supplementation with atherosclerotic cardiovascular disease in the UK Biobank. *Clin Nutr.* 2025 Jun;49:118-127. <https://doi.org/10.1016/j.clnu.2025.04.017>. Epub 2025 Apr 16. PMID: 40267517
- Sullivan VK, Chen J, Bernard L, et al. Proteomic Correlates of Vitamin D Supplementation in the Atherosclerosis Risk in Communities (ARIC) Study. *Proteomics Clin Appl.* 2025 May;19(3):e70005. <https://doi.org/10.1002/prca.70005>. Epub 2025 Mar 21. PMID: 40114535
- Sullivan VK, Chen J, Bernard L, et al. Serum and urine metabolite correlates of vitamin D supplementation in the Atherosclerosis Risk in Communities (ARIC) study. *Clin Nutr ESPEN.* 2025 Jun;67:523-532. <https://doi.org/10.1016/j.clnesp.2025.03.172>. Epub 2025 Apr 4. PMID: 40189143
- Vanreusel I, Hens W, Van Craenenbroeck EM, et al. Vitamin D levels correlate with exercise capacity in adults with CHD. *Cardiol Young.* 2025 Apr;35(4):748-755. <https://doi.org/10.1017/S1047951125000526>. Epub 2025 Mar 11. PMID: 40064557
- Vig N, Gaikwad K, Ansari YM. Correlation of Vitamin D in Different Stages of Hypertension as Per JNC 8 Criteria. *J Pharm Bioallied Sci.* 2025 May;17(Suppl 1):S831-S833. https://doi.org/10.4103/jpbs.jpbs_1553_24. Epub 2025 Feb 3. PMID: 40511140
- Wang J, Wang Q, Huang C, et al. Calcitriol Prevents Isoproterenol-Induced Myocardial Fibrosis by Regulating the TGF-beta1/SMAD Sensor via Binding to the Nuclear Vitamin D Receptor. *Tohoku J Exp Med.* 2025 May 8. <https://doi.org/10.1620/tjem.2025.J050>. Online ahead of print. PMID: 40335296
- Wang S, Zheng D, Wang H, et al. Joint association of vitamin D deficiency and sleep disorders with cardiovascular mortality: a prospective cohort study. *Front Nutr.* 2025 Apr 11;12:1514529. <https://doi.org/10.3389/fnut.2025.1514529>. eCollection 2025. PMID: 40290660
- Xu W, Sun Z, Li Q. Letter to "Relationship between life's essential 8, vitamin D, and cardiometabolic outcomes". *Diabetes Res Clin Pract.* 2025 Jun;224:112089. <https://doi.org/10.1016/j.diabres.2025.112089>. Epub 2025 Mar 6. PMID: 40057044
- Xu Y, Deng C, Liang X. Parathyroid hormone and vitamin D modulate nocturnal blood pressure dipping: a retrospective cohort study in primary hypertension. *Clin Exp Hypertens.* 2025 Dec;47(1):2512130. <https://doi.org/10.1080/10641963.2025.2512130>. Epub 2025 May 27. PMID: 40423620
- Yang L, Wang J, Pan X, et al. Association of Vitamin D Deficiency With Abnormal Electrocardiographic Activity Among Healthy People. *Food Sci Nutr.* 2025 Jun 6;13(6):e70340. <https://doi.org/10.1002/fsn3.70340>. eCollection 2025 Jun. PMID: 40488193

CORONA VIRUS DISEASE

- Alcalá-Santiago Á, Rodríguez-Barranco M, Sánchez MJ, et al. Micronutrients, Vitamin D, and Inflammatory Biomarkers in COVID-19: A Systematic Review and Meta-analysis of Causal Inference Studies. *Nutr Rev.* 2025

- Jul 1;83(7):e1383-e1405. <https://doi.org/10.1093/nutrit/nuae152>. PMID: 39449666
- Amadi C, Lawson SD, Okafor JC, et al. Impact of vitamin D and zinc sufficiency on immune responses following COVID-19 vaccinations among healthcare workers. *Clin Exp Vaccine Res.* 2025 Apr;14(2):162-168. <https://doi.org/10.7774/cevr.2025.14.e17>. Epub 2025 Mar 31. PMID: 40321789
 - Bohl LP, Breser ML, Aguirre GE, et al. Vitamin D Deficiency: A Risk Factor for Antibody Decline in COVID-19? *J Steroid Biochem Mol Biol.* 2025 Jun 6;106809. <https://doi.org/10.1016/j.jsbmb.2025.106809>. Online ahead of print. PMID: 40484045
 - Caliman-Sturdza OA, Gheorghita RE, Soldanescu I. Vitamin D and COVID-19: Clinical Evidence and Immunological Insights. *Life (Basel).* 2025 Apr 30;15(5):733. <https://doi.org/10.3390/life15050733>. PMID: 40430160
 - Ceolin C, Vergadoro M, Simonato C, et al. Impact of vitamin D levels on mortality in older covid-19 vaccinated patients. *BMC Geriatr.* 2025 Apr 10;25(1):240. <https://doi.org/10.1186/s12877-025-05873-1>. PMID: 40211163
 - Domènech-Montoliu S, López-Diogo L, Aleixandre-Goriz I, et al. Vitamin D Status and Incidence of SARS-CoV-2 Reinfections in the Borriana COVID-19 Cohort: A Population-Based Prospective Cohort Study. *Trop Med Infect Dis.* 2025 Apr 6;10(4):98. <https://doi.org/10.3390/tropicalmed10040098>. PMID: 40278771
 - Galindo-Méndez M, Galindo-Ruiz M, Concheso-Venegas MF, et al. The Impact of Vitamin D in the Prevention of Influenza, COVID-19, and Dengue: A Review. *Biomedicines.* 2025 Apr 9;13(4):927. <https://doi.org/10.3390/biomedicines13040927>. PMID: 40299497
 - Gonçalves AM, Rodrigues BS, Antunes ML, et al. Impact of vitamin D supplementation in the prognosis of patients with SARS-CoV2 pneumonia admitted to the intensive care unit - a randomized controlled trial. *Front Immunol.* 2025 Jun 5;16:1593200. <https://doi.org/10.3389/fimmu.2025.1593200>. eCollection 2025. PMID: 40539053
 - Gulišija J, Čapkun V, Golic S, et al. Vitamin D Serum Levels and the Development of Intensive Care Unit-Acquired Weakness: Insights from a COVID-19 Intensive Care Cohort. *Pathophysiology.* 2025 May 9;32(2):21. <https://doi.org/10.3390/pathophysiology32020021>. PMID: 40407601
 - Hewison M. COVID-19 and our understanding of vitamin D and immune function. *J Steroid Biochem Mol Biol.* 2025 May;249:106710. <https://doi.org/10.1016/j.jsbmb.2025.106710>. Epub 2025 Feb 20. PMID: 39986580
 - Ignacio-Mejía I, Bandala C, González-Zamora JF, et al. Association of Vitamin D Supplementation with Glutathione Peroxidase (GPx) Activity, Interleukine-6 (IL-6) Levels, and Anxiety and Depression Scores in Patients with PostCOVID-19 Condition. *Int J Mol Sci.* 2025 May 10;26(10):4582. <https://doi.org/10.3390/ijms26104582>. PMID: 40429727
 - Ito A, Yamamoto S, Islam Z, et al. Serum vitamin D and the risk of SARS-CoV-2 and seasonal influenza infection during the twindemic period. *Clin Nutr ESPEN.* 2025 May 6;68:263-266. <https://doi.org/10.1016/j.clnesp.2025.05.007>. Online ahead of print. PMID: 40339959
 - Jafari-Vayghan H, Rahimlou M, Almasi-Hashiani A, et al. Effect of the vitamin D supplementation on clinical outcomes and inflammatory status in COVID-19 patients: an umbrella review. *BMC Nutr.* 2025 Apr 29;11(1):86. <https://doi.org/10.1186/s40795-025-01060-y>. PMID: 40301951
 - Kodama S, Konishi N, Hirai Y, et al. Efficacy of vitamin D replacement therapy on 28 cases of myalgic encephalomyelitis/chronic fatigue syndrome after COVID-19 vaccination. *Nutrition.* 2025 Jun;134:112718. <https://doi.org/10.1016/j.nut.2025.112718>. Epub 2025 Feb 18. PMID: 40090177
 - Matsuda Y, Sakurada Y, Nakano Y, et al. Clinical Characteristics of Vitamin D Deficiency Detected in Long COVID Patients During the Omicron Phase. *Nutrients.* 2025 May 16;17(10):1692. <https://doi.org/10.3390/nu17101692>. PMID: 40431432
 - Mohamed AA, Alanazi AT, Ahmed HH, et al. FokI polymorphism of the vitamin D receptor gene: Linking COVID-19 risk to genetic susceptibility in children. *Cytokine.* 2025 Jul;191:156958. <https://doi.org/10.1016/j.cyto.2025.156958>. Epub 2025 May 13. PMID: 40367829
 - Mousavi T, Moosazadeh M. Vitamin D status in children with mild, moderate, or severe confirmed COVID-19: systematic-review and meta-analysis. *Front Pediatr.* 2025 May 13;13:1436633. <https://doi.org/10.3389/fped.2025.1436633>. eCollection 2025. PMID: 40433474
 - Petrea Cliveți CL, Ciortea DA, Gurău G, et al. Vitamin D Imbalance and Hydro-Electrolyte Disturbances in Hospitalized Children: A Comparison Between PostCOVID-19 Status and SARS-CoV-2/EBV Coinfection. *Biomedicines.* 2025 May 19;13(5):1233. <https://doi.org/10.3390/biomedicines13051233>. PMID: 40427060
 - Sabit H, Abdel-Ghany S, Abdallah MS, et al. Correction: Vitamin D: a key player in COVID-19 immunity and lessons from the pandemic to combat immune-evasive variants. *Inflammopharmacology.* 2025 Apr 12. <https://doi.org/10.1007/s10787-025-01725-x>. Online ahead of print. PMID: 40216663
 - Windrim CM, Kane D, Kelleher G, et al. Vitamin D deficiency in a subfertility population and the impact of COVID-19 lockdowns. *Int J Gynaecol Obstet.* 2025 Apr 7. <https://doi.org/10.1002/ijgo.70124>. Online ahead of print. PMID: 40192512

DERMATOLOGIA

- Aboushousha A, Kamal Y, Ali S. Supplementary zinc and vitamin D in management of symptomatic oral lichen planus: a three-arm randomized clinical trial. *BMC Oral Health.* 2025 Jun 2;25(1):872. <https://doi.org/10.1186/s12903-025-06173-1>. PMID: 40457259
- Brustad N, Wang T, Chen L, et al. Prenatal high-dose vitamin D supplementation and childhood atopic dermatitis until age 6 years: A secondary analysis of a randomized clinical trial. *Br J Dermatol.* 2025 May 30;ljaf208. <https://doi.org/10.1093/bjd/ljaf208>. Online ahead of print. PMID: 40444342
- Bukvić Mokos Z, Tomić Krsnik I, Harak K, et al. Vitamin D in the Prevention and Treatment of Inflammatory Skin Diseases. *Int J Mol Sci.* 2025 May 22;26(11):5005. <https://doi.org/10.3390/ijms26115005>. PMID: 40507817
- Chiramel MJ, George A, Sathishkumar D, et al. Vitamin D Dependent Rickets 2A With Alopecia: Three Cases With Novel Genetic Variants. *Pediatr Dermatol.* 2025

- MayJun;42(3):615-619. <https://doi.org/10.1111/pde.15853>. Epub 2024 Dec 23. PMID: 39716449
- Connell T, Seidler K, Neil J. Cathelicidin expression in the pathogenesis of atopic dermatitis and the therapeutic potential of vitamin D. *Nutr Res.* 2025 Jul;139:113-123. <https://doi.org/10.1016/j.nutres.2025.05.006>. Epub 2025 May 21. PMID: 40517664
- Ewendt F, Janjetovic Z, Kim TK, et al. The vitamin D(3) hormone, 1,25(OH) (2)D(3), regulates fibroblast growth factor 23 (FGF23) production in human skin cells. *Am J Physiol Cell Physiol.* 2025 Apr 1;328(4):C1177-C1192. <https://doi.org/10.1152/ajpcell.00827.2024>. Epub 2025 Mar 7. PMID: 40055144
- Faghihi G, Mohaghegh F, Shoushtarizadeh M, et al. A Case-Control Study Examining the Differences in Vitamin D Levels Between Individuals With Rosacea and Healthy Individuals. *J Cosmet Dermatol.* 2025 Jun;24(6):e70141. <https://doi.org/10.1111/jocd.70141>. PMID: 40492444
- Gong Y, Ren Y, Jia N, et al. Vitamin D promotes wound healing in aged skin by modulating inflammation, angiogenesis, and EMT via the Hippo pathway. *J Steroid Biochem Mol Biol.* 2025 Sep;252:106799. <https://doi.org/10.1016/j.jsbmb.2025.106799>. Epub 2025 Jun 2. PMID: 40466431
- Hassan AR, Binsaleh AY, El-Tahlawi SM, et al. Impact of Vitamin D Injection on Keloids and Hypertrophic Scars. *J Cosmet Dermatol.* 2025 Apr;24(4):e70118. <https://doi.org/10.1111/jocd.70118>. PMID: 40135774
- Jiménez-Herrera EA, López-Zenteno BE, Corona-Rodarte E, et al. Vitamin D and Alopecia Areata: From Mechanism to Therapeutic Implications. *Skin Appendage Disord.* 2025 Apr 15:1-11. <https://doi.org/10.1159/000545711>. Online ahead of print. PMID: 40433551
- Khan H, Abideen ZU, Shafqat MH, et al. Drawbacks of sunscreens on the cutaneous synthesis of Vitamin D. *J Pak Med Assoc.* 2025 Apr;75(4):680. <https://doi.org/10.47391/JPMA.21965>. PMID: 40269390
- Kuo WH, Chang KS, Chang MH, et al. Updated Meta-Analysis on Vitamin Supplementation for Chronic Pruritus: Expanding Evidence Beyond Vitamin D. *Int J Mol Sci.* 2025 Apr 18;26(8):3840. <https://doi.org/10.3390/ijms26083840>. PMID: 40332575
- Marçon CR, Costa LL, Mazzon MPR, et al. Serum levels of vitamin D in people with albinism from Brazil. *An Bras Dermatol.* 2025 MayJun;100(3):577-579. <https://doi.org/10.1016/j.abd.2024.10.003>. Epub 2025 Mar 17. PMID: 40102154
- Paracha MM, Khan AQ, Sardar A, et al. Correlation and assessment of vitamin D deficiency with disease severity in patients suffering from pemphigus vulgaris. *J Pak Med Assoc.* 2025 May;75(5):726-729. <https://doi.org/10.47391/JPMA.11552>. PMID: 40500814
- Shaafie HI, Koti VR, Saxena K, et al. Intralesional immunotherapy of cutaneous warts using tuberculin purified protein derivative and vitamin D(3) - A randomized comparative study. *J Cutan Aesthet Surg.* 2025 AprJun;18(2):86-91. https://doi.org/10.25259/jcas_178_23. Epub 2024 Sep 16. PMID: 40212431
- Shalaby R, Nabil G, Ibrahim S, et al. The role of vitamin D deficiency in the development and severity of oral lichen planus: a case-control study. *Clin Oral Investig.* 2025 May 30;29(6):320. <https://doi.org/10.1007/s00784-025-06398-y>. PMID: 40445356
- Singh S, Pal S, De A. A Randomised Single-Blind Controlled Trial Comparing Efficacy of Intralesional Vitamin D Injection and MMR (Measles, Mumps, Rubella) Vaccine in Treatment of Warts. *Indian J Dermatol.* 2025 MayJun;70(3):169. https://doi.org/10.4103/ijd.ijd_890_23. Epub 2025 May 8. PMID: 40487499
- Sow YN, Gonzalez S, Rodman JCS, et al. Low Vitamin D Levels & Alopecia: A Cross-sectional Study of the All of Us Research Program. *Clin Exp Dermatol.* 2025 Apr 25:llaf179. <https://doi.org/10.1093/ced/llaf179>. Online ahead of print. PMID: 40277232
- Tay JQ, Riches-Suman K, Graham AM, et al. Divergent effects of vitamin D(3) on human dermal fibroblasts and keratinocytes in wound repair: Implications for therapeutic targeting in tissue remodeling and scarring. *J Plast Reconstr Aesthet Surg.* 2025 Jun;105:323-335. <https://doi.org/10.1016/j.bjps.2025.04.019>. Epub 2025 Apr 17. PMID: 40344806
- Wang Y, Cheng S, Que H. A Bidirectional Two-Sample Mendelian Randomization Study of Genetic Causality Between Vitamin D Levels and Pemphigus. *Clin Cosmet Investig Dermatol.* 2025 May 10;18:1167-1176. <https://doi.org/10.2147/CCID.S523136>. eCollection 2025. PMID: 40370580

EPIDEMIOLOGIA

- AbdulJabbar S, Nebuchi C, McClelland GR, et al. Ethnic Differences in Response to Oral Vitamin D Supplementation: A Systematic Review and Meta-analysis. *Nutr Rev.* 2025 Jul 1;83(7):e1372-e1382. <https://doi.org/10.1093/nutrit/nuae150>. PMID: 39432764
- Alcalá-Santiago Á, García-Villanova B, Ruíz-López MD, et al. Dietary and lifestyle determinants of vitamin D status in the UK Biobank Cohort study for predictive modeling. *J Nutr Biochem.* 2025 Aug;142:109919. <https://doi.org/10.1016/j.jnutbio.2025.109919>. Epub 2025 Apr 11. PMID: 40221106
- Bezuglov E, Vinogradov M, Anishchenko I, et al. Vitamin D Deficiency in Young Elite Soccer Players Residing Permanently in Regions above 55 Degrees North Latitude. *J Bone Metab.* 2025 May;32(2):114-122. <https://doi.org/10.11005/jbm.24.821>. Epub 2025 Apr 18. PMID: 40537106
- Chedid P, Salem-Sokhn E, El Shamieh S, et al. Prevalence and Progression of Vitamin D Deficiency in Greater Beirut and Mount Lebanon From 2013 to 2022: An Analysis of 19,452 Adults. *J Clin Lab Anal.* 2025 Apr;39(8):e70023. <https://doi.org/10.1002/jcla.70023>. Epub 2025 Mar 28. PMID: 40152347
- Eduard B, Evgeniy A, Mikhail V, et al. Prevalence of Vitamin D Deficiency Among Young Elite Soccer Players Living Above 55 Degrees North Latitude and Evaluation of the Effectiveness of Self-Used Preventive Methods. *Transl Sports Med.* 2025 Apr 11;2025:2299710. <https://doi.org/10.1155/tsm2/2299710>. eCollection 2025. PMID: 40256208
- Gao T, Hou M, Wang Q, et al. Corrigendum: The roles of serum vitamin D and tobacco smoke exposure in insomnia: a cross-sectional study of adults in the United States. *Front Nutr.* 2025 Jun 3;12:1632721. <https://doi.org/10.3389/fnut.2025.1632721>. eCollection 2025. PMID: 40529429

- Henriques M, Serranheira F, Viegas S, et al. Vitamin D levels in Portuguese Navy military personnel: a cross-sectional study. *Occup Environ Med.* 2025 Apr 16;82(2):76-82. <https://doi.org/10.1136/oemed-2024-109968>. PMID: 40000166
- Israel A, Weizman A, Israel S, et al. Vitamin D Deficiency, Supplementation, and Risk of Mortality and Chronic Disease: Evidence from Matched Cohorts in Israel and the US. *medRxiv [Preprint]*. 2025 Jun 4:2025.05.29.25328548. <https://doi.org/10.1101/2025.05.29.25328548>. PMID: 40568667
- Kalim MD, Behera S, Siddiqui NA, et al. Association of Vitamin D receptor gene polymorphism and Vitamin D status to explore as a risk factor in Visceral Leishmaniasis patients in endemic regions of Bihar. *Microb Pathog.* 2025 Aug;205:107706. <https://doi.org/10.1016/j.micpath.2025.107706>. Epub 2025 May 15. PMID: 40381960
- Karras SN, Michalakakis K, Kypraiou M, et al. Predictors of Vitamin D Status in Religious and Intermittent Fasting: A Comparative Study in Orthodox Nuns and Women from the General Population. *Nutrients.* 2025 May 13;17(10):1656. <https://doi.org/10.3390/nu17101656>. PMID: 40431396
- Lindholm FM, Jönsson B, Brustad M. Cross-sectional associations between vitamin D status and periodontitis in adults in Northern Norway: The Tromsø Study 2015-2016. *BMC Oral Health.* 2025 May 30;25(1):856. <https://doi.org/10.1186/s12903-025-06261-2>. PMID: 40448051
- Luo Y, Qu C, Li G, et al. Development and validation of prediction model for vitamin D deficiency in Chinese college students (a dynamic online nomogram predicting vitamin D deficiency for Chinese college students). *J Health Popul Nutr.* 2025 Apr 21;44(1):129. <https://doi.org/10.1186/s41043-025-00871-w>. PMID: 40259410
- Madkhali Y, Janakiraman B, Alsubaie F, et al. Prevalence and trends of vitamin D deficiency in a Saudi Arabian population: a five-years retrospective study from 2017 to 2021. *Front Public Health.* 2025 Apr 28;13:1535980. <https://doi.org/10.3389/fpubh.2025.1535980>. eCollection 2025. PMID: 40356842
- Maitra S, Behera HC, Bose A, et al. From cultural dispositions to biological dimensions: a narrative review on the synergy between oral health and vitamin D through the lens of Indian habitus. *Front Oral Health.* 2025 Apr 25;6:1569940. <https://doi.org/10.3389/froh.2025.1569940>. eCollection 2025. PMID: 40351788
- Neo B, Tilbrook D, Nannup N, et al. Quantifying vitamin D intake among Aboriginal and Torres Strait Islander peoples in Australia. *Eur J Clin Nutr.* 2025 Jun;79(6):529-535. <https://doi.org/10.1038/s41430-025-01580-7>. Epub 2025 Feb 19. PMID: 39972212
- Pegreff F, Perrone L, Saggini R, et al. Letter to the Editor discussing: Hacker S, Lenz C, Reichert L, Ringseis R, Zentgraf K, Kruger K. Vitamin D status and its determinants in German elite athletes. *Eur J Appl Physiol.* 2025 Jan 4. <https://doi.org/10.1007/s00421-024-05699-6>. *Eur J Appl Physiol.* 2025 Jun;125(6):1563-1564. <https://doi.org/10.1007/s00421-025-05737-x>. Epub 2025 Feb 20. PMID: 39979650
- Salhab S, Srouf IA, Sheet I, et al. Impact of Education and Gender on Knowledge, Attitudes, and Practices Toward Vitamin D Among the Lebanese Population With Emphasis on Young Adults. *Cureus.* 2025 Apr 7;17(4):e81861. <https://doi.org/10.7759/cureus.81861>. eCollection 2025 Apr. PMID: 40342443
- Santos JVD, Closs VE, Castanho VC, et al. Brazilian older adults' vitamin D insufficiency and deficiency: a systematic review and meta-analysis. *Cien Saude Colet.* 2025 Apr;30(4):e08072023. <https://doi.org/10.1590/1413-81232025304.08072023>. Epub 2024 Apr 11. PMID: 40298712
- Semiz A, Özbay K, Şanlıkan F, et al. Vitamin D Levels and Prevalence of Vitamin D Deficiency in Turkish Women According to Regions and Age Groups. *Med Sci Monit.* 2025 Jun 10;31:e948436. <https://doi.org/10.12659/MSM.948436>. PMID: 40491031
- Seoud M, Jaafar I, Kojok D, et al. Prevalence and predictive factors for vitamin D deficiency in pregnant Lebanese women: a retrospective cohort study. *Gynecol Endocrinol.* 2025 Dec;41(1):2521531. <https://doi.org/10.1080/09513590.2025.2521531>. Epub 2025 Jun 24. PMID: 40554474
- Stachoń M, Lachowicz K. Assessment of Determinants of Dietary Vitamin D Intake in a Polish National Sample of Male Adolescents. *Nutrients.* 2025 Jun 17;17(12):2024. <https://doi.org/10.3390/nu17122024>. PMID: 40573135
- Torres-Naranjo JF, Gutierrez-Hermosillo H, Garcia-Hernandez PA, et al. Joint position on vitamin D prescription in the adult Mexican population by AMMOM, AMEC, AMG, CMIM, CMO, CMR, CONAMEGER, FEMECOG, and FEMECOT. *Arch Osteoporos.* 2025 Jun 13;20(1):78. <https://doi.org/10.1007/s11657-025-01563-y>. PMID: 40512300
- Weiler HA, Rondeau I, Ennis JK, et al. Vitamin D Intakes of People Living in Canada: An Assessment Using Disaggregated Population Data from the 2015 Canadian Community Health Survey - Nutrition. *J Nutr.* 2025 May 24:S0022-3166(25)00316-5. <https://doi.org/10.1016/j.tjnut.2025.05.033>. Online ahead of print. PMID: 40419092
- Wu W, Zhou JC, Yang L. Surveillance and Evaluation of Vitamin D Nutrition and Its Health Impact in Chinese Older Adults. *J Nutr.* 2025 Apr;155(4):1031-1040. <https://doi.org/10.1016/j.tjnut.2025.01.030>. Epub 2025 Jan 31. PMID: 39894224
- Zaremba SMM, Conduit-Turner K. Knowledge of vitamin D and practices of vitamin D supplementation in a Scottish adult population: A cross-sectional study. *Nutr Health.* 2025 Jun;31(2):715-728. <https://doi.org/10.1177/02601060241238824>. Epub 2024 Mar 18. PMID: 38497198

EMATOLOGIA

- Abdelrahman EG, Ezzat AM, Mohammed IA, et al. Correlation between vitamin D level and left ventricular myocardial function demonstrated by speckle tracking echocardiography among beta-thalassemia major children. *Eur J Pediatr.* 2025 Jun 16;184(7):420. <https://doi.org/10.1007/s00431-025-06250-1>. PMID: 40518487 EM
- Chen S, Zhang M, Gao Y, et al. Causal effects of vitamin D on leukemia risk: insights from two-sample Mendelian randomization analysis. *Nutr Hosp.* 2025 Apr 21;42(2):311-318. <https://doi.org/10.20960/nh.05541>. PMID: 39670420 EM
- ElAlfy MS, Ismail EAR, Makkeyah SM, et

- al. Vasculopathy among children and adolescents with sickle cell disease: the cross-talk with annexin A1, vitamin D, and myocardial iron overload. *Expert Rev Hematol*. 2025 Jun;18(6):481-490. <https://doi.org/10.1080/17474086.2025.2495670>. Epub 2025 Apr 18. PMID: 40247642 EM
 - Kvammen JA, Thomassen RA, Buechner J, et al. Vitamin D status in children undergoing allogeneic hematopoietic stem cell transplantation: A prospective exploratory study. *J Pediatr Gastroenterol Nutr*. 2025 Jun;80(6):1007-1017. <https://doi.org/10.1002/jpn3.70028>. Epub 2025 Mar 24. PMID: 40123471 EM
 - Lamikanra AA, Tsang HP, Morovat A, et al. Effect of supplementation with vitamin D on biochemical markers of iron status and erythropoiesis in older people: BEST-D trial. *Br J Nutr*. 2025 Jun 2:1-18. <https://doi.org/10.1017/S0007114525103516>. Online ahead of print. PMID: 40452069 EM
 - Rico Ríos N, Reche Martínez AJ, López Tinoco C, et al. Elevated Vitamin D leading to an Incidental Diagnosis of Multiple Myeloma. *Ann Clin Biochem*. 2025 May;62(3):215-220. <https://doi.org/10.1177/00045632241306063>. Epub 2024 Dec 12. PMID: 39665154 EM
- ## ENDOCRINOLOGIA
- [No authors listed] Correction to: "Vitamin D for the Prevention of Disease: An Endocrine Society Clinical Practice Guideline". *J Clin Endocrinol Metab*. 2025 Jun 4:dgaf310. <https://doi.org/10.1210/clinem/dgaf310>. Online ahead of print. PMID: 40464739
 - Ahi S, Reiskarimian A, Bagherzadeh MA, et al. Impact of vitamin D on glycemic control and microvascular complications in type 2 diabetes: A cross-sectional study. *PLoS One*. 2025 May 28;20(5):e0324729. <https://doi.org/10.1371/journal.pone.0324729>. eCollection 2025. PMID: 40435133
 - Alqadi A, Almodyan E, Alanazi MN, et al. Vitamin D supplements and effect on glycemic control and lipid profile in individuals living with diabetes: a retrospective study. *Eur Rev Med Pharmacol Sci*. 2025 May;29(5):248-257. https://doi.org/10.26355/eur-rev_202505_37223. PMID: 40444604
 - Aykanat Yurtsever B, Yurtsever C. Association between vitamin D levels and thyroid function tests in euthyroid women with obesity. *Sci Prog*. 2025 Apr-Jun;108(2):368504251347697. <https://doi.org/10.1177/00368504251347697>. Epub 2025 Jun 3. PMID: 40457860
 - Baidal DA, Alvarez AM, Padilla N, et al. 25(OH) Vitamin D Levels and Severity of Type 1 Diabetes in Youth and Adults With Recent-Onset Disease. *J Endocr Soc*. 2025 Apr 10;9(6):bvaf061. <https://doi.org/10.1210/jendso/bvaf061>. eCollection 2025 Jun. PMID: 40276675
 - Becerra-Cervera A, Jiménez-Ortega RF, Aparicio-Bautista DI, et al. Genetic variants in vitamin D metabolism-related genes are associated with vitamin D status and adiposity markers. *Nutr Res*. 2025 Apr;136:105-119. <https://doi.org/10.1016/j.nutres.2025.02.009>. Epub 2025 Mar 4. PMID: 40187223
 - Bhattacharya A, Maitra D, Mondal U. Identifying Patients With Asymptomatic Hyperparathyroidism by Serum Calcium and Vitamin D Screening in West Bengal, India. *Cureus*. 2025 Apr 8;17(4):e81869. <https://doi.org/10.7759/cureus.81869>. eCollection 2025 Apr. PMID: 40342440
 - Brock KE, Mpofu E, King S, et al. Low serum 25-hydroxy-vitamin D levels are associated with metabolic syndrome in a representative community population from Macau, China. *J Steroid Biochem Mol Biol*. 2025 Sep;252:106765. <https://doi.org/10.1016/j.jsbmb.2025.106765>. Epub 2025 Apr 18. PMID: 40254170
 - Canali L, Pace GM, Russell MD, et al. Preoperative Vitamin D Supplementation to Reduce Hypocalcemia Following Total Thyroidectomy: Systematic Review and Meta-Analysis of Randomized Clinical Trials. *Head Neck*. 2025 Apr 23. <https://doi.org/10.1002/hed.28174>. Online ahead of print. PMID: 40264388
 - Chackochan A, Rashid M, Reghunath SR, et al. Role of vitamin D in the development and progression of diabetic kidney disease: an overview of meta-analyses. *Ther Adv Endocrinol Metab*. 2025 Apr 26;16:20420188251319476. <https://doi.org/10.1177/20420188251319476>. eCollection 2025. PMID: 40297636
 - Chorti A, Cheva A, Boulogeorgou K, et al. Vitamin D receptor: a possible biomarker for sporadic parathyroid adenoma? *Updates Surg*. 2025 Apr 5. <https://doi.org/10.1007/s13304-025-02182-5>. Online ahead of print. PMID: 40186735
 - Copari-Vargas E, Copari-Vargas TL, Domínguez-Valdez LF, et al. Vitamin D Status and Its Association With Disease Severity in Hashimoto's Thyroiditis. *Cureus*. 2025 May 3;17(5):e83419. <https://doi.org/10.7759/cureus.83419>. eCollection 2025 May. PMID: 40458336
 - Dawson-Hughes B, Konieczynski EM, Ceglia L. Obesity may extend the time required to reach a steady-state 25(OH)D level after initiating vitamin D supplementation. *JBMR Plus*. 2025 Feb 8;9(4):zifaf030. <https://doi.org/10.1093/jbmrpl/zifaf030>. eCollection 2025 Apr. PMID: 40124405
 - Dhaher NF, Wändell P, Bennet L. Glucose regulation and association with Vitamin D and parathyroid hormone - differences across Middle Eastern and Caucasian ethnicities. *J Diabetes Metab Disord*. 2024 Dec 19;24(1):15. <https://doi.org/10.1007/s40200-024-01543-y>. eCollection 2025 Jun. PMID: 39712337
 - Durá-Travé T, Gallinas-Victoriano F. Type 1 Diabetes Mellitus and Vitamin D. *Int J Mol Sci*. 2025 May 11;26(10):4593. <https://doi.org/10.3390/ijms26104593>. PMID: 40429738
 - Figueiredo Moreira CF, Ferreira Peres WA, Silva do Nascimento Braga J, et al. Effect of vitamin D supplementation on glycemic control in children and adolescents with type 1 diabetes mellitus: Data from a controlled clinical trial. *Diabetes Res Clin Pract*. 2025 Jun;224:112210. <https://doi.org/10.1016/j.diabres.2025.112210>. Epub 2025 May 2. PMID: 40319925
 - Frank E, Adjei Boakye E, Stack BC. Associations of Obesity, Vitamin D, Adjusted Total Calcium, and Parathyroid Hormone in US from NHANES. *Horm Metab Res*. 2025 Jun 27. <https://doi.org/10.1055/a-2638-1810>. Online ahead of print. PMID: 40578598
 - Goldberg R, Umarji G, Jabbour S. Heterozygous Hereditary Vitamin D-Dependent Rickets Type 2A (VDDR2A) in a Patient Presenting With Pseudoarthrosis. *Case Rep Endocrinol*. 2025 Apr 9;2025:2434759. <https://doi.org/10.1155/crie/2434759>. eCollection 2025. PMID: 40241811

- Gordon CM, LeBoff MS. Vitamin D and disease prevention in 2024: commentary on recent Endocrine Society recommendations. *J Bone Miner Res.* 2025 May 24;40(5):569-571. <https://doi.org/10.1093/jbmr/zjaf036>. PMID: 40044125
- Hoseini Z, Behpour N, Hoseini R. Aerobic training and vitamin D modulate hepatic miRNA expression to improve lipid metabolism and insulin resistance in type 2 diabetes. *Sci Rep.* 2025 May 14;15(1):16764. <https://doi.org/10.1038/s41598-025-01757-x>. PMID: 40369056
- Hoseini Z, Behpour N, Hoseini R. Aerobic training and vitamin D supplementation effects on diabetes-related parameters in a rat model of type 2 diabetes. *BMC Sports Sci Med Rehabil.* 2025 Apr 11;17(1):79. <https://doi.org/10.1186/s13102-025-01125-2>. PMID: 40217474
- Hung KC, Chang LC, Chang YJ, et al. Vitamin D deficiency and diabetic retinopathy risk in patients with newly diagnosed type 2 diabetes mellitus: a retrospective analysis. *Front Nutr.* 2025 May 30;12:1614287. <https://doi.org/10.3389/fnut.2025.1614287>. eCollection 2025. PMID: 40521365
- Hu Y, Shao LN, Zheng J, et al. Vitamin D deficiency is associated with apolipoprotein A1 levels in patients with young-onset type 2 diabetes mellitus. *World J Diabetes.* 2025 Jun 15;16(6):105558. <https://doi.org/10.4239/wjdv16i6.105558>. PMID: 40548281
- Javanian M, Barary M, Hosseinzadeh D, et al. Commentary on "Serum vitamin D is substantially reduced and predicts flares in diabetic retinopathy patients". *J Diabetes Investig.* 2025 Apr 24. <https://doi.org/10.1111/jdi.70052>. Online ahead of print. PMID: 40275611
- Jiang P, Liu Y, Liu J, et al. Vitamin D Attenuates Hepatic Sinusoidal Capillarization in Type 2 Diabetes Mellitus: Metabolic Dysfunction-Associated Fatty Liver Disease via Dual Autophagy Activation and Pyroptosis Suppression in Liver Sinusoidal Endothelial Cells. *Biomedicines.* 2025 Jun 13;13(6):1459. <https://doi.org/10.3390/biomedicines13061459>. PMID: 40564179
- Jones KE, Riek AE, Castelblanco E, et al. The effect of vitamin D supplementation on mental and functional health outcomes in African Americans with type 2 diabetes. *J Steroid Biochem Mol Biol.* 2025 Apr;248:106698. <https://doi.org/10.1016/j.jsbmb.2025.106698>. Epub 2025 Feb 12. PMID: 39952368
- Jullamusi W, Ratanaprasert N, Pongsapich W, et al. Preoperative Calcium or Vitamin D Supplement in Thyroidectomy: A Systematic Review and Meta-Analysis. *Laryngoscope.* 2025 Apr;135(4):1267-1277. <https://doi.org/10.1002/lary.31860>. Epub 2024 Oct 26. PMID: 39460688
- Kamel FO, Mahjoub SK, Ahmad MAAS, et al. Major risk factors underlying the development of metabolic syndrome in vitamin D-deficient rats. *Front Pharmacol.* 2025 Apr 28;16:1573332. <https://doi.org/10.3389/fphar.2025.1573332>. eCollection 2025. PMID: 40356969
- Karakaya RE, Tam AA, Demir P, et al. Unveiling the Link Between Vitamin D, Hashimoto's Thyroiditis, and Thyroid Functions: A Retrospective Study. *Nutrients.* 2025 Apr 27;17(9):1474. <https://doi.org/10.3390/nu17091474>. PMID: 40362783
- Kretschmer PM, Balk EM, Pittas AG. Effect of Vitamin D on Regression to Normal Glucose Regulation in Adults With Prediabetes. *J Endocr Soc.* 2025 Mar 3;9(5):bvaf042. <https://doi.org/10.1210/jendso/bvaf042>. eCollection 2025 May. PMID: 40144812
- Krysiak R, Kowalcze K, Ott J, et al. Vitamin D Status Determines the Effect of Cabergoline on Sexual Function and Depressive Symptoms in Hyperprolactinemic Women. *Nutrients.* 2025 May 27;17(11):1813. <https://doi.org/10.3390/nu17111813>. PMID: 40507082
- Kumar M, Dayal D. Vitamin D Supplementation and Glycemic Control in Children and Adolescents with Type 1 Diabetes Mellitus: A Double Blinded Randomized Controlled Study - Correspondence. *Indian J Pediatr.* 2025 Jul;92(7):796. <https://doi.org/10.1007/s12098-025-05564-0>. Epub 2025 May 8. PMID: 40338471
- Kurian SJ, Benson R, Munisamy M, et al. Plasma vitamin D status and its association with biochemical, clinical and humanistic outcomes in diabetic foot infection patients: a prospective observational study in a tertiary healthcare facility. *Expert Rev Endocrinol Metab.* 2025 May;20(3):233-239. <https://doi.org/10.1080/17446651.2025.2480374>. Epub 2025 Apr 9. PMID: 40200719
- Li B, Wang J, Xu J, et al. Association between dyslipidemia and vitamin D deficiency: a cross-sectional study in Chinese healthy population. *Front Endocrinol (Lausanne).* 2025 Apr 30;16:1450924. <https://doi.org/10.3389/fendo.2025.1450924>. eCollection 2025. PMID: 40370783
- Li L, Chen X, Yi X. Association between vitamin D receptor polymorphisms and diabetic retinopathy in Uyghur Chinese with type 2 diabetes. *Ophthalmic Genet.* 2025 Jun;46(3):261-266. <https://doi.org/10.1080/13816810.2025.2470206>. Epub 2025 Feb 25. PMID: 40000366
- Liu Z, He Z, Shi L, et al. Vitamin D receptor in osteoblast lineage cells mediates increased sclerostin circulation and decreased bone formation in hypervitaminosis D. *J Steroid Biochem Mol Biol.* 2025 May;249:106711. <https://doi.org/10.1016/j.jsbmb.2025.106711>. Epub 2025 Feb 20. PMID: 39986581
- Lopera K, Sanabria A. Threshold-dependent risk of postoperative hypocalcemia in vitamin D-deficient patients undergoing total thyroidectomy: A meta-analysis. *Surgery.* 2025 Jun;182:109333. <https://doi.org/10.1016/j.surg.2025.109333>. Epub 2025 Mar 18. PMID: 40107090
- Luo D, Li B, Shan Z, et al. The impacts of vitamin D supplementation on serum levels of thyroid autoantibodies in patients with autoimmune thyroid disease: a meta-analysis. *PeerJ.* 2025 Jun 16;13:e19541. <https://doi.org/10.7717/peerj.19541>. eCollection 2025. PMID: 40538736
- Martinelli RP, Petroni C, Martinez J, et al. Investigating the association between FOK1 polymorphism in the vitamin D receptor (VDR) gene and type 2 diabetes prevalence: A comprehensive analysis. *J Steroid Biochem Mol Biol.* 2025 Apr;248:106692. <https://doi.org/10.1016/j.jsbmb.2025.106692>. Epub 2025 Feb 4. PMID: 39914679
- Mehak NU, Aftab S, Qureshi AA, et al. Vitamin D dependent rickets Type 2A: a case series of two siblings with novel mutation in vitamin D receptor gene responded to high dose oral calcium and calcitriol. *J Pediatr Endocrinol Metab.* 2025 Apr 14. <https://doi.org/10.1515/jpem-2024-0611>. Online ahead of print. PMID: 40219799

- Melake A, Alamnie G, Mekonnen M. Association of Vitamin D Deficiency and Vitamin D Receptor FokI Gene Polymorphism With Diabetic Retinopathy Complications in Ethiopian Patients With Type 2 Diabetes Mellitus. *Int J Immunogenet.* 2025 Jun 3. <https://doi.org/10.1111/iji.12719>. Online ahead of print. PMID: 40459366
- Melake A, Alamnie G, Mekonnen M. Impact of Vitamin D Deficiency and VDR TaqI Polymorphism on Diabetic Retinopathy Risk Among T2DM Ethiopian Population. *Food Sci Nutr.* 2025 Apr 21;13(4):e70197. <https://doi.org/10.1002/fsn3.70197>. eCollection 2025 Apr. PMID: 40264687
- Melake A, Mengstie MA. Vitamin D deficiency and VDR TaqI polymorphism on diabetic nephropathy risk among type 2 diabetes patients. *Front Endocrinol (Lausanne).* 2025 Jun 12;16:1567716. <https://doi.org/10.3389/fendo.2025.1567716>. eCollection 2025. PMID: 40575263
- Molani-Gol R, Rafrat M, Asghari Jafarabadi M, et al. The interaction of vitamin D supplementation with Omentin-1 gene polymorphism on metabolic biomarkers, omentin-1 levels and anthropometric measures in women with prediabetes: A double-blind randomized controlled trial. *Diabetes Obes Metab.* 2025 Jun 11. <https://doi.org/10.1111/dom.16497>. Online ahead of print. PMID: 40497345
- Musledin Ş, Circo E, Scrinic O. B-Cell-Activating Factor (BAFF) Correlated with Serum Vitamin D Values-Possible Markers with a Prognostic Role in Thyroid Autoimmune Diseases. *J Clin Med.* 2025 May 3;14(9):3168. <https://doi.org/10.3390/jcm14093168>. PMID: 40364199
- Nwosu BU. Vitamin D for the prevention of diseases in children: A rebuttal to the 2024 Endocrine Society Clinical Practice Guideline. *Front Endocrinol (Lausanne).* 2025 May 29;16:1578609. <https://doi.org/10.3389/fendo.2025.1578609>. eCollection 2025. PMID: 40510464
- Ogawa K, Ogino J, Oh R, et al. A 10-year observational study of the effects of serum 25OH vitamin D levels on the onset of prediabetes at a preventive medicine research center. *Endocr J.* 2025 Jun 14. <https://doi.org/10.1507/endocrj.EJ25-0007>. Online ahead of print. PMID: 40518298
- Papaioannou I, Pantazidou G, Kokkalis Z, et al. A Comparison of Vitamin D Levels and Hip Fracture Severity in Elderly Patients With and Without Type 2 Diabetes Mellitus: A Retrospective Clinical Study. *Cureus.* 2025 Apr 1;17(4):e81574. <https://doi.org/10.7759/cureus.81574>. eCollection 2025 Apr. PMID: 40313432
- Pelineagră OE, Golu I, Balaş M, et al. Unraveling the Paradox of Vitamin D Status in Primary Hyperparathyroidism: An Incidental Finding or an Unexpected Consequence? *Int J Mol Sci.* 2025 May 7;26(9):4434. <https://doi.org/10.3390/ijms26094434>. PMID: 40362670
- Safwan N, Mantzoros CS, Rahme M, et al. Vitamin D supplementation at low (600 IU/day) or higher dose (3,750 IU/day) does not improve insulin resistance markers at one year: A randomized controlled trial. *Metabol Open.* 2025 Mar 11;26:100357. <https://doi.org/10.1016/j.metop.2025.100357>. eCollection 2025 Jun. PMID: 40213648
- Santos RKF, Pereira RO, Brandão-Lima PN, et al. Association Among Vitamin D Receptor Gene Polymorphisms, Metabolic Control, and Inflammatory Markers in Type 2 Diabetes: A Systematic Review and Meta-Analysis. *Nutr Rev.* 2025 Apr 28;nuaf055. <https://doi.org/10.1093/nutrit/nuaf055>. Online ahead of print. PMID: 40292491
- Saranya S D, Agarwala A, Sharma R. Vitamin D Supplementation and Glycemic Control in Children and Adolescents with Type 1 Diabetes Mellitus: A Double Blinded Randomized Controlled Study. *Indian J Pediatr.* 2025 Apr;92(4):420. <https://doi.org/10.1007/s12098-025-05419-8>. Epub 2025 Jan 24. PMID: 39853619
- Saranya S D, Sharma R. Vitamin D Supplementation and Glycemic Control in Children and Adolescents with Type 1 Diabetes Mellitus: A Double Blinded Randomized Controlled Study - Authors' Reply. *Indian J Pediatr.* 2025 Jul;92(7):797. <https://doi.org/10.1007/s12098-025-05565-z>. Epub 2025 May 17. PMID: 40381138
- Sekar AK, Josephine A, Tamilselvan J, et al. Dysregulation and gene polymorphisms of Vitamin D receptor: its implications in lipid metabolic disorders. *Mol Biol Rep.* 2025 Jun 23;52(1):630. <https://doi.org/10.1007/s11033-025-10725-7>. PMID: 40549261
- Taneera J, Yaseen D, Youssef M, et al. Vitamin D augments insulin secretion via calcium influx and upregulation of voltage calcium channels: Findings from INS-1 cells and human islets. *Mol Cell Endocrinol.* 2025 Apr 1;599:112472. <https://doi.org/10.1016/j.mce.2025.112472>. Epub 2025 Jan 27. PMID: 39864489
- Tang W, Chen S, Zhang S, et al. The Multi-Dimensional Role of Vitamin D in the Pathophysiology and Treatment of Diabetic Foot Ulcers: From Molecular Mechanisms to Clinical Translation. *Int J Mol Sci.* 2025 Jun 14;26(12):5719. <https://doi.org/10.3390/ijms26125719>. PMID: 40565182
- Tas E, Flint A, Libman I, et al. The association between hepatic steatosis, vitamin D status, and insulin resistance in adolescents with obesity. *Obes Pillars.* 2025 Mar 17;14:100173. <https://doi.org/10.1016/j.obpill.2025.100173>. eCollection 2025 Jun. PMID: 40206184
- Taşkın E, Coşkun M. Are vitamin D receptor gene rs731236, rs2228570 and NOS3 gene rs3138808 polymorphisms associated with diabetic retinopathy? *Ophthalmic Genet.* 2025 May 4:1-7. <https://doi.org/10.1080/13816810.2025.2495947>. Online ahead of print. PMID: 40320612
- Tobias DK, Pradhan AD, Duran EK, et al. Vitamin D supplementation vs. placebo and incident type 2 diabetes in an ancillary study of the randomized Vitamin D and Omega-3 Trial. *Nat Commun.* 2025 Apr 8;16(1):3332. <https://doi.org/10.1038/s41467-025-58721-6>. PMID: 40199888
- Virtanen JK, Hantunen S, Kallio N, et al. The effect of vitamin D(3) supplementation on the incidence of type 2 diabetes in healthy older adults not at high risk for diabetes (FIND): a randomised controlled trial. *Diabetologia.* 2025 Apr;68(4):715-726. <https://doi.org/10.1007/s00125-024-06336-9>. Epub 2024 Dec 2. PMID: 39621103
- Vázquez-Lorente H, Ni J, Paz-Graniel I, et al. Dietary vitamin D intake and 2-year changes in cognitive function in older adults with overweight or obesity and metabolic syndrome. *Geroscience.* 2025 May 6. <https://doi.org/10.1007/s11357-025-01670-1>. Online ahead of print. PMID: 40325312
- Wang R, Kong D, Ma X. Analysis of vitamin D nutritional status and disease risk factors in patients with subacute thyroid-

- itis. *Ther Adv Endocrinol Metab.* 2025 Apr 4;16:20420188251321600. <https://doi.org/10.1177/20420188251321600>. eCollection 2025. PMID: 40191178
- Wu C, Li M, Yang W, et al. Vitamin D deficiency in relation to different phenotypes of prediabetes: a population-based study. *Endocrine.* 2025 May 14. <https://doi.org/10.1007/s12020-025-04256-1>. Online ahead of print. PMID: 40366544
 - Yang X, Jiang H, Liao M, et al. Construction of a nomogram for predicting serum vitamin D deficiency in children/adolescents with new-onset type 1 diabetes: a single-center study in China. *Front Pediatr.* 2025 May 30;13:1554833. <https://doi.org/10.3389/fped.2025.1554833>. eCollection 2025. PMID: 40519544
 - Zhang J, Wu K, Dong X. Exploring the association between serum vitamin D levels and type 2 diabetes risk in US adults. *Ann Med.* 2025 Dec;57(1):2522320. <https://doi.org/10.1080/07853890.2025.2522320>. Epub 2025 Jun 23. PMID: 40551563
 - Zhang X, Liu J, Han L, et al. Vitamin D reduces VSMC foam cell formation and protects against AS progression. *J Endocrinol.* 2025 Mar 7;265(1):e240056. <https://doi.org/10.1530/JOE-24-0056>. Print 2025 Apr 1. PMID: 39960435
 - Zhang Y, Ni P, Chen H, et al. Vitamin D(3) ameliorates hyperglycemia by modulating gut microbiota and metabolites in prediabetic KK mice. *Food Res Int.* 2025 Jun;211:116369. <https://doi.org/10.1016/j.foodres.2025.116369>. Epub 2025 Apr 17. PMID: 40356099
- ## GASTROENTEROLOGIA
- [No authors listed] Correction to: Influence of Vitamin D Receptor Signalling and Vitamin D on Colonic Epithelial Cell Fate Decisions in Ulcerative Colitis. *J Crohns Colitis.* 2025 May 8;19(5):jjae168. <https://doi.org/10.1093/ecco-jcc/jjae168>. PMID: 39589829
 - Baek EB, Eun HS, Song JY, et al. Vitamin D supplementation ameliorates ductular reaction, liver inflammation and fibrosis in mice by upregulating TXNIP in ductular cells. *Nat Commun.* 2025 May 13;16(1):4420. <https://doi.org/10.1038/s41467-025-59724-z>. PMID: 40360509
 - Chao CT. The importance of baseline vitamin D status in interpreting its association with gallstones. *J Formos Med Assoc.* 2025 Apr 11;S0929-6646(25)00175-5. <https://doi.org/10.1016/j.jfma.2025.04.006>. Online ahead of print. PMID: 40221294
 - Criss ZK, Deans-Fielder K, Fleet JC, et al. Analysis of 1,25-dihydroxyvitamin D genomic action in human enteroids and colonoids reveals multiple regulatory effects of vitamin D in human intestinal physiology. *Front Endocrinol (Lausanne).* 2025 Jun 4;16:1538463. <https://doi.org/10.3389/fendo.2025.1538463>. eCollection 2025. PMID: 40535337
 - Fuchs MA, Wolf M. Clinical evidence for independent regulation of vitamin D by intestinal CYP24A1. Reply. *J Clin Invest.* 2025 Apr 15;135(8):e191585. <https://doi.org/10.1172/JCI191585>. eCollection 2025 Apr 15. PMID: 40231465
 - Garg Y, Sharma N, Narang RK, et al. The Vitamin D and IBD Nexus: Immune Links and Therapeutic Prospects. *J Am Nutr Assoc.* 2025 Jun 24:1-5. <https://doi.org/10.1080/27697061.2025.2518117>. Online ahead of print. PMID: 40551677
 - Hassan ST, Faheem MSB, Zahid MR. Letter on "Autoimmune Hepatitis and Vitamin D Deficiency: A Nationwide Perspective". *Aliment Pharmacol Ther.* 2025 Apr;61(8):1412-1413. <https://doi.org/10.1111/apt.70030>. Epub 2025 Mar 12. PMID: 40072245
 - Jahdkaran M, Asri N, Houry H, et al. Exploring the therapeutic potential of nutraceutical compounds (Curcumin, Quercetin, Epa, Zinc, and Vitamin D) in managing Celiac disease: insights from cellular mechanisms. *Mol Biol Rep.* 2025 Jun 11;52(1):580. <https://doi.org/10.1007/s11033-025-10679-w>. PMID: 40498343
 - Khattab BA, Hammad MO, Eldken ZH, et al. Impact of intermittent fasting versus vitamin D on high fat fructose-induced pancreatic steatosis: possible role of aquaporins. *Mol Med.* 2025 May 26;31(1):207. <https://doi.org/10.1186/s10020-025-01239-w>. PMID: 40419958
 - Koureta E, Karatzas P, Kanellopoulos P, et al. The importance of vitamin D levels in patients with inflammatory bowel disease. *J Physiol Biochem.* 2025 May 26. <https://doi.org/10.1007/s13105-025-01096-5>. Online ahead of print. PMID: 40418498
 - Laterza L, Cremon C, Coppola G, et al. Multistrain Probiotics Plus Vitamin D Improve Gut Barrier Function and Gut Microbiota Composition in Irritable Bowel Syndrome Without Constipation: Results from a Double-Blind, Randomized, Placebo-Controlled Trial. *Nutrients.* 2025 May 18;17(10):1708. <https://doi.org/10.3390/nu17101708>. PMID: 40431448
 - Lemoine S, Molin A, Koenig A, et al. Clinical evidence for independent regulation of vitamin D by intestinal CYP24A1. *J Clin Invest.* 2025 Apr 15;135(8):e190972. <https://doi.org/10.1172/JCI190972>. eCollection 2025 Apr 15. PMID: 40231466
 - Lisberg RN, Rubek Nielsen K, Nattestad Lydersen L, et al. Vitamin D status in Faroese adults and its association with inflammatory bowel diseases - a cross-sectional study from the FarGen 2 project. *Int J Circumpolar Health.* 2025 Dec;84(1):2519803. <https://doi.org/10.1080/22423982.2025.2519803>. Epub 2025 Jun 20. PMID: 40541564
 - Liu X, Wu Y, Guan C, et al. Vitamin D receptor agonists inhibit liver fibrosis by disrupting the interaction between hepatic stellate cells and neutrophil extracellular traps. *Biochem Pharmacol.* 2025 Jun 24;240:117059. <https://doi.org/10.1016/j.bcp.2025.117059>. Online ahead of print. PMID: 40571206
 - Liu Y, Chen Y, Guo L, et al. Serum 25-Hydroxyvitamin D and Vitamin D Receptor Genetic Polymorphisms are Associated with Prognosis of Acute Pancreatitis. *Pancreas.* 2025 Apr 15. <https://doi.org/10.1097/MPA.0000000000002496>. Online ahead of print. PMID: 40228006
 - Lwin ZZK, Leach ST, Krishnan U. The Role of Vitamin D in Eosinophilic Esophagitis in Children. *J Paediatr Child Health.* 2025 Jun 24. <https://doi.org/10.1111/jpc.70126>. Online ahead of print. PMID: 40556357
 - Manoria P, Noor MT. Correlation of serum vitamin D levels with serum interleukin-23 levels in patients of ulcerative colitis. *Hum Immunol.* 2025 May;86(3):111305. <https://doi.org/10.1016/j.humimm.2025.111305>. Epub 2025 Apr 7. PMID: 40199019
 - Öztaş T, Okur NM, Şero ÖL. Comparison of the effects of different doses of vitamin D supplementation on the development of nec-

- rotizing enterocolitis: A retrospective study. *Nutr Clin Pract*. 2025 Apr 22. <https://doi.org/10.1002/ncp.11303>. Online ahead of print. PMID: 40259833
 - Shen Q, Shi S, Wang H, et al. Serum 25-hydroxyvitamin D, vitamin D-related variants, and risk of chronic liver disease. *Int J Cancer*. 2025 Jun 14. <https://doi.org/10.1002/ijc.35522>. Online ahead of print. PMID: 40515575
 - Siuka D, Rakuša M, Vodenik A, et al. Free and Bioavailable Vitamin D Are Correlated with Disease Severity in Acute Pancreatitis: A Single-Center, Prospective Study. *Int J Mol Sci*. 2025 Jun 13;26(12):5695. <https://doi.org/10.3390/ijms26125695>. PMID: 40565159
 - Skubica P, Hoffmanova I, Dankova P. Chronically increased osteoclastogenesis in adult celiac disease patients does not hinder improvement in bone health induced by gluten-free diet: Role of vitamin D, OPG and IL-6. *J Nutr Biochem*. 2025 May;139:109871. <https://doi.org/10.1016/j.jnutbio.2025.109871>. Epub 2025 Feb 18. PMID: 39978647
 - Stallhofer J, Reichl F, Lauseker M, et al. CCL20 expression is elevated in inflammatory bowel disease and attenuated by vitamin D metabolites. *Sci Rep*. 2025 Jun 20;15(1):20145. <https://doi.org/10.1038/s41598-025-05094-x>. PMID: 40542081
 - Tantai X, Wen Z, Tuo S, et al. Associations of Serum Vitamin D with Sarcopenia in Patients with Chronic Liver Disease: A Population-Based Cross-Sectional Study. *Calcif Tissue Int*. 2025 May 5;116(1):69. <https://doi.org/10.1007/s00223-025-01376-8>. PMID: 40325227
 - Tseng YT, Wang CH, Wang JD, et al. Nonlinear associations of serum vitamin D levels with advanced liver disease and mortality: a US Cohort Study. *Therap Adv Gastroenterol*. 2025 May 8;18:17562848251338669. <https://doi.org/10.1177/17562848251338669>. eCollection 2025. PMID: 40351383
 - Yu W, Huang P, Jin Y, et al. Vitamin D enhances the therapeutic effect of TNF-alpha antibodies through lipid metabolism in overweight IBD patients. *Cell Mol Life Sci*. 2025 Apr 26;82(1):176. <https://doi.org/10.1007/s00018-025-05626-8>. PMID: 40285831
 - Zhang J, Wu S, Huang J, et al. Vitamin D and MAFLD: a bibliometric and visual analysis from 2007 to 2024. *Front Nutr*. 2025 Jun 6;12:1558026. <https://doi.org/10.3389/fnut.2025.1558026>. eCollection 2025. PMID: 40547375
 - Zhang Q, Liu S, Zhu S, et al. Serum Vitamin D Levels and Long-Term Risk of Elderly-Onset Inflammatory Bowel Disease: A Large-Scale Prospective Cohort Study. *Am J Med*. 2025 May 19:S0002-9343(25)00300-6. <https://doi.org/10.1016/j.amjmed.2025.05.017>. Online ahead of print. PMID: 40398635
 - Zheng J, Gao H, Zhang Y, et al. Evaluating the predictive effect of vitamin D on clinical outcomes of infliximab-treated Crohn's disease patients. *Front Immunol*. 2025 Jun 4;16:1578191. <https://doi.org/10.3389/fimmu.2025.1578191>. eCollection 2025. PMID: 40534845
 - Zhu B, Yang J, Fan R, et al. Maternal vitamin D regulates the metabolic rearrangement of offspring CD4(+) T cells in response to intestinal inflammation. *Cell Rep*. 2025 Jun 24;44(6):115857. <https://doi.org/10.1016/j.celrep.2025.115857>. Epub 2025 Jun 12. PMID: 40512616
 - Zhu F, Lin BR, Lin SH, et al. Hepatic-specific vitamin D receptor downregulation alleviates aging-related metabolic dysfunction-associated steatotic liver disease. *World J Gastroenterol*. 2025 Apr 14;31(14):104117. <https://doi.org/10.3748/wjg.v31.i14.104117>. PMID: 40248374
- ## GINECOLOGIA OSTETRICA
- Amberntsson A, Bärebring L, Forsby M, et al. Maternal vitamin D status during pregnancy in relation to childhood cardiometabolic risk factors: The GraviD-Child prospective cohort study. *Clin Nutr ESPEN*. 2025 Apr;66:460-464. <https://doi.org/10.1016/j.clnesp.2025.02.012>. Epub 2025 Feb 22. PMID: 39993560
 - Andersen HH, Andersen MK, Bossow KA, et al. High-dose vitamin D supplementation in pregnancy ameliorates obesity-induced increase in maternal IL-1beta level without affecting obesity-induced increase in IL-6 and MCP. *J Steroid Biochem Mol Biol*. 2025 Jun;250:106742. <https://doi.org/10.1016/j.jsbmb.2025.106742>. Epub 2025 Mar 24. PMID: 40139536
 - Ayamah V, Apprey C, Mensah EO, et al. Vitamin D probiotics fortification improve vitamin D and total antioxidant capacity levels among pregnant women: a single-blind randomized controlled trial. *Sci Rep*. 2025 Apr 7;15(1):11851. <https://doi.org/10.1038/s41598-025-87815-w>. PMID: 40195344
 - Badihi E, Sharifi P, Moradi A, et al. The effect of vitamin D supplementation and vaginal probiotics on fertility in women with recurrent implantation failure: A randomized clinical trial. *Hum Immunol*. 2025 May;86(3):111259. <https://doi.org/10.1016/j.humimm.2025.111259>. Epub 2025 Feb 16. PMID: 39955996
 - Bayramoglu Tepe N, Bayramoglu D, Gunduz R, et al. Is there a correlation between the severity of symptoms and vitamin D levels in pregnancy with hyperemesis gravidarum? *Turk J Obstet Gynecol*. 2025 Jun 4;22(2):114-120. <https://doi.org/10.4274/tjod.galenos.2025.73848>. PMID: 40462402
 - Binter AC, Ghassabian A, Zou R, et al. Associations of Gestational Exposure to Air Pollution With Maternal Vitamin D Levels: A Meta-Analysis. *J Clin Endocrinol Metab*. 2025 Apr 22;110(5):1410-1418. <https://doi.org/10.1210/clinem/dgae395>. PMID: 38870315
 - Bratchikov O I, Koryagin E A. [Vitamin D and urinary tract infections in women]. *Urologiia*. 2025 May;(2):96-104. PMID: 40377589
 - Chen H, Wang Q, Zhang Y, et al. Loss of vitamin D receptor induces premature ovarian insufficiency through compromising the 7-dehydrocholesterol-dependent anti-aging effects. *Front Cell Dev Biol*. 2025 Apr 10;13:1545167. <https://doi.org/10.3389/fcell.2025.1545167>. eCollection 2025. PMID: 40276652
 - Christoforidis N, Papapanou M, Michalakis D, et al. Effect of vitamin D supplementation on frozen embryo transfer cycle outcomes. *Hum Fertil (Camb)*. 2025 Dec;28(1):2493251. <https://doi.org/10.1080/14647273.2025.2493251>. Epub 2025 Apr 25. PMID: 40277196
 - Citeroni-Clark NL, D'Angelo S, Crozier SR, et al. The effect of pregnancy vitamin D supplementation on maternal blood pressure: real-world data analysis within the MAVIDOS randomised placebo-controlled trial. *Arch Gynecol Obstet*. 2025 Apr;311(4):941-949. <https://doi.org/10.1007/s00404-025-07958-z>. Epub 2025 Jan 30. PMID: 39880969

- Das A, Bai CH, Chang JS, et al. Associations of dietary patterns with serum 25(OH) vitamin D and serum anemia related biomarkers among expectant mothers: A machine learning based approach. *Int J Med Inform.* 2025 Jul;199:105890. <https://doi.org/10.1016/j.ijmedinf.2025.105890>. Epub 2025 Mar 24. PMID: 40153889
- Eissa H, Abdelsalam EM, Mokbel SA, et al. Vitamin D supplementation as a prophylactic therapy in the management of pre-eclampsia: Focus on VEGF, Ki67, oxidative stress markers in correlation to placental ultra structure. *Life Sci.* 2025 Jul 1;372:123605. <https://doi.org/10.1016/j.lfs.2025.123605>. Epub 2025 Apr 5. PMID: 40194761
- Fang Q, Sang L, Du S, et al. Vitamin D, Homocysteine, and Thyroid Dysfunction as Risk Factors for Missed Abortion: A Retrospective Risk Factor Analysis. *Int J Womens Health.* 2025 May 31;17:1587-1596. <https://doi.org/10.2147/IJWH.S507470>. eCollection 2025. PMID: 40470006
- Gaml-Sørensen A, Brix N, Tøttenborg SS, et al. Vitamin D levels and biomarkers of male fecundity: A study from the Danish National Birth Cohort. *Andrology.* 2025 May 18. <https://doi.org/10.1111/andr.70061>. Online ahead of print. PMID: 40383998
- Geng M, Yu Z, Wang Y, et al. Placental and cord serum inflammatory cytokines and children's domain-specific neurodevelopment at 18 months: effect modification by maternal vitamin D status. *BMC Med.* 2025 Apr 30;23(1):252. <https://doi.org/10.1186/s12916-025-04096-w>. PMID: 40307787
- Ghavi A, Meert KL, Asghari-Jafarabadi M, et al. Maternal and neonatal vitamin D levels and hyperbilirubinemia: A systematic review and meta-analysis. *Clin Nutr ESPEN.* 2025 Jun 13;68:715-726. <https://doi.org/10.1016/j.clnesp.2025.06.030>. Online ahead of print. PMID: 40518010
- Haliman CD, Irawati D, Zahra NL, et al. Fish availability mapping and food-based recommendations to promote an adequate vitamin D intake among pregnant women in East Lombok, Indonesia. *Br J Nutr.* 2025 May 16:1-40. <https://doi.org/10.1017/S0007114525000893>. Online ahead of print. PMID: 40375670
- Ibrahim Y, Basri NI, Jamil AAM, et al. A plethora of laboratory protocols for vitamin D receptor (VDR) gene variants detection: a systematic review of associations with hypertensive disorders of pregnancy. *BMC Pregnancy Childbirth.* 2025 May 6;25(1):539. <https://doi.org/10.1186/s12884-025-07510-6>. PMID: 40329233
- Ilangoan P, Subramaniam A, Vembu R, et al. Exploring the relationship of second and third trimester vitamin D concentration and haemoglobin among rural Indian pregnant women. *J Educ Health Promot.* 2025 May 30;14:192. https://doi.org/10.4103/jehp.jehp_679_24. eCollection 2025. PMID: 40575517
- Ipek G, Mumusoglu S, Bozdog G, et al. Associations between serum and seminal vitamin D levels and sperm parameters. *J Obstet Gynaecol Res.* 2025 May;51(5):e16305. <https://doi.org/10.1111/jog.16305>. PMID: 40302159
- Jung C, Lu Z, Litonjua AA, et al. The association of early pregnancy vitamin D and BMI status with composite adverse pregnancy outcomes: an ancillary analysis of the Vitamin D Antenatal Asthma Reduction Trial. *Am J Clin Nutr.* 2025 May 5:S0002-9165(25)00251-5. <https://doi.org/10.1016/j.ajcnut.2025.04.034>. Online ahead of print. PMID: 40334749
- Kokkinari A, Antoniou E, Orovou E, et al. Maternal Vitamin D Deficiency and the Risk of Placental Abruption: A Cross-Sectional Study in a Greek Obstetric Population. *Clin Pract.* 2025 May 26;15(6):102. <https://doi.org/10.3390/clinpract15060102>. PMID: 40558220
- Kokkinari A, Antoniou E, Orovou E, et al. The Role of Vitamin D Supplementation in Preventing Pre-Eclampsia: A Review of Randomized Controlled Trials with Meta-Analysis. *Healthcare (Basel).* 2025 May 22;13(11):1221. <https://doi.org/10.3390/healthcare13111221>. PMID: 40508834
- Kooij I, Holt R, Juel Mortensen L, et al. Follicular fluid concentrations of the vitamin D metabolite 24,25(OH)(2)D(3) are positively associated with live birth rate after assisted reproductive technology. *J Steroid Biochem Mol Biol.* 2025 Jul;251:106764. <https://doi.org/10.1016/j.jsbmb.2025.106764>. Epub 2025 Apr 15. PMID: 40245991
- Lee JY, Jung SH, Ahn EH, et al. Assessing the influence of maternal vitamin D deficiency in early pregnancy and subsequent improvement on perinatal outcomes and long-term child development: a retrospective cohort study. *PLoS One.* 2025 May 30;20(5):e0323146. <https://doi.org/10.1371/journal.pone.0323146>. eCollection 2025. PMID: 40445942
- Liu M, Xiang J, Zhang M, et al. Non-linear association between serum vitamin D and bacterial vaginosis in U.S. women: analysis from NHANES 2001-2004. *Front Nutr.* 2025 May 21;12:1606246. <https://doi.org/10.3389/fnut.2025.1606246>. eCollection 2025. PMID: 40469676
- Masoodi SR, Farooqui KJ, Najjar IA, et al. Polycystic Ovary Syndrome and Vitamin D Status - Impact of Vitamin D Supplementation on Insulin Resistance. *Rev Recent Clin Trials.* 2025 May 23. <https://doi.org/10.2174/0115748871310723250516041347>. Online ahead of print. PMID: 40417750
- Melough MM, McGrath M, Palmore M, et al. Gestational vitamin D concentration and child cognitive development: A longitudinal cohort study in the ECHO Program. *Am J Clin Nutr.* 2025 Jun 23:S0002-9165(25)00339-9. <https://doi.org/10.1016/j.ajcnut.2025.06.017>. Online ahead of print. PMID: 40562362
- Mercer S, Chen X, Tiwari BB, et al. Changes in vitamin D biomarkers across pregnancy and by maternal BMI: A secondary analysis of data and biospecimens from the National Children's Study. *J Steroid Biochem Mol Biol.* 2025 Sep;252:106791. <https://doi.org/10.1016/j.jsbmb.2025.106791>. Epub 2025 May 21. PMID: 40409736
- Olstrup H, Rylander L, Lindh C, et al. Maternal serum concentrations of vitamin D in pregnancy and preterm birth: a case-control study in Southern Sweden. *Eur J Nutr.* 2025 May 31;64(5):198. <https://doi.org/10.1007/s00394-025-03716-8>. PMID: 40448825
- Oluwole DT, Ajayi AF. Vitamin D(3,) cholecalciferol via its hydroxylmetabolites, receptors and metabolizing enzymes modulates male reproductive functions. *Life Sci.* 2025 Jul 15;373:123680. <https://doi.org/10.1016/j.lfs.2025.123680>. Epub 2025 May 2. PMID: 40320139
- Orive A, Corachán A, Escrig J, et al. Effect of low-dose vitamin D supplementation on uterine fibroid size in women with hypovitaminosis D: A nonrandomized pilot study. *Int J Gynaecol Obstet.* 2025 Jun 5. <https://doi.org/10.1002/ijgo.70271>. Online ahead of print. PMID: 40470887

- Radu IA, Cucerea M, Gheonea C, et al. Vitamin D Supplementation During Pregnancy and Maternal and Neonatal Vitamin D Status at 32 Weeks Gestation: Romanian Prospective Observational Cohort Study. *Children (Basel)*. 2025 May 26;12(6):682. <https://doi.org/10.3390/children12060682>. PMID: 40564640
- Safari H, Hajian M, Tanhaeivash N, et al. Consequences of vitamin D deficiency or overdosage on follicular development and steroidogenesis in Normo and hypo calcemic mouse models. *Sci Rep*. 2025 Apr 24;15(1):14278. <https://doi.org/10.1038/s41598-025-99437-3>. PMID: 40274992
- Sahithi D, Nagarakanti S, Prudhvi SS, et al. Vitamin D Levels and Their Association With Periodontitis in Women With Polycystic Ovary Syndrome: A Cross-sectional Study. *Cureus*. 2025 Apr 14;17(4):e82268. <https://doi.org/10.7759/cureus.82268>. eCollection 2025 Apr. PMID: 40376337
- Seaward Brain HP, Georgiou C, Mason HD, et al. The effect of vitamin D (1,25-(OH)₂D₃) on human theca and granulosa cell function. *Reproduction*. 2025 Mar 25;169(4):e250002. <https://doi.org/10.1530/REP-25-0002>. Print 2025 Apr 1. PMID: 40100123
- Seoud M, Jaafar I, Kojok D, et al. Prevalence and predictive factors for vitamin D deficiency in pregnant Lebanese women: a retrospective cohort study. *Gynecol Endocrinol*. 2025 Dec;41(1):2521531. <https://doi.org/10.1080/09513590.2025.2521531>. Epub 2025 Jun 24. PMID: 40554474
- Shan X, Wu W, Yang J, et al. Assessment of the effect of routine-dose vitamin D3 supplementation in Chinese women of childbearing age with vitamin D insufficiency. *Eur J Nutr*. 2025 May 30;64(5):192. <https://doi.org/10.1007/s00394-025-03723-9>. PMID: 40445221
- Siddiqui S, Ahmad R, Aziz T, et al. (-)-Epigallocatechin-3-gallate and chlorogenic acid in combination with vitamin D as a therapeutic approach for letrozole-induced polycystic ovary syndrome (PCOS) rats: Biochemical and hormonal modulation. *J Steroid Biochem Mol Biol*. 2025 Sep;252:106772. <https://doi.org/10.1016/j.jsbmb.2025.106772>. Epub 2025 May 10. PMID: 40334995
- Tiwari S, Gupta RK, Agarwal S, et al. Association of intronic variants (Apal and BsmI) of vitamin D receptor gene with uterine leiomyoma among North Indian women. *Gene*. 2025 Aug 5;959:149519. <https://doi.org/10.1016/j.gene.2025.149519>. Epub 2025 Apr 22. PMID: 40273960
- Wang C, Zhou J, Zhang Q, et al. From cause to relief: Vitamin D plays a crucial role in overactive bladder via the RhoA/ROCK signaling pathway. *Biochem Biophys Res Commun*. 2025 Jun 20;766:151919. <https://doi.org/10.1016/j.bbrc.2025.151919>. Epub 2025 Apr 28. PMID: 40311294
- Woo J, Vaughan S, Wright MA, et al. Vitamin D Deficiency and IL-6: Risk Factors for Preterm Birth in Black Women: A Retrospective Cross-Sectional Study. *J Nutr*. 2025 May 24;S0022-3166(25)00313-X. <https://doi.org/10.1016/j.ijnut.2025.05.030>. Online ahead of print. PMID: 40414293
- Xu C, An X, Tang X, et al. Association Between Vitamin D Level and Clinical Outcomes of Assisted Reproductive Treatment: A Systematic Review and Dose-Response Meta-Analysis. *Reprod Sci*. 2025 May;32(5):1446-1458. <https://doi.org/10.1007/s43032-024-01578-9>. Epub 2024 May 22. PMID: 38777949
- Yang D, Shen Y, Wang Q, et al. Association of greenness exposure with serum vitamin D status and effects of ambient particulate matter among pregnant women in early pregnancy. *Environ Pollut*. 2025 May 1;372:126067. <https://doi.org/10.1016/j.envpol.2025.126067>. Epub 2025 Mar 18. PMID: 40113205
- Youssef E, Badie MS, Ismail D, et al. The effectiveness of vitamin D as an alternative to FDA-approved treatment and other therapies for managing vulvovaginal atrophy and sexual inactivity in postmenopausal women. A systematic review and meta-analysis. *Int J Gynaecol Obstet*. 2025 Jul;170(1):64-81. <https://doi.org/10.1002/ijgo.70011>. Epub 2025 Feb 14. PMID: 39950755
- Yu M, Chen S, Liu X, et al. The impact of vitamin D supplementation on glycemic control and lipid metabolism in polycystic ovary syndrome: a systematic review of randomized controlled trials. *BMC Endocr Disord*. 2025 Apr 21;25(1):110. <https://doi.org/10.1186/s12902-025-01920-5>. PMID: 40259331
- Yu S, Yu X, Li F. Effect of vitamin D supplementation on glycemic control, insulin sensitivity, and pregnancy outcomes in gestational diabetes patients undergoing dietary therapy. *J Health Popul Nutr*. 2025 Jun 12;44(1):194. <https://doi.org/10.1186/s41043-025-00969-1>. PMID: 40506758
- Zhou IW, Zhang AL, Tsang MS, et al. Vitamin D for primary dysmenorrhea and endometriosis-related pain - A systematic review of registered RCTs. *PLoS One*. 2025 Apr 21;20(4):e0321393. <https://doi.org/10.1371/journal.pone.0321393>. eCollection 2025. PMID: 40257970
- Çetin F, Birge Ö, Kayar İ. Assessment of the relationship between vitamin D levels and uterine fibroids in Turkish women: A retrospective case-control study. *J Int Med Res*. 2025 May;53(5):3000605251341825. <https://doi.org/10.1177/03000605251341825>. Epub 2025 May 20. PMID: 40391531

IMMUNOLOGIA

- Argano C, Torres A, Orlando V, et al. Molecular Insight into the Role of Vitamin D in Immune-Mediated Inflammatory Diseases. *Int J Mol Sci*. 2025 May 16;26(10):4798. <https://doi.org/10.3390/ijms26104798>. PMID: 40429939
- Aslam J, Sohailuddin M, Abbas SM, et al. The Schematic Assessment of Vitamin D Deficiency in Relation to Autoimmune Disorders and Its Implications in Internal Medicine. *Cureus*. 2025 Apr 24;17(4):e82949. <https://doi.org/10.7759/cureus.82949>. eCollection 2025 Apr. PMID: 40416152
- Bakhshaei M, Hosseini SS, Zanghaei A, et al. The auxiliary effect of vitamin D in the treatment of chronic rhinosinusitis with nasal polyposis, a clinical trial. *Acta Otolaryngol*. 2025 Apr;145(4):313-318. <https://doi.org/10.1080/00016489.2025.2459344>. Epub 2025 Feb 14. PMID: 39950814
- Callejo V, Tomás C, Muñoz Á, et al. Effectiveness of supplementation with different doses of calcifediol in HIV patients with vitamin D deficiency. *Enferm Infecc Microbiol Clin (Engl Ed)*. 2025 Jun-Jul;43(6):353-360. <https://doi.org/10.1016/j.eimce.2024.11.008>. PMID: 40461092
- Casetti R, Ciccocanti F, Lamsira HK, et al. Autophagy is influenced by vitamin D(3)

- level in people with HIV-1. *Biol Direct*. 2025 Jun 13;20(1):69. <https://doi.org/10.1186/s13062-025-00660-9>. PMID: 40514685
- Chan F, Cui C, Peng Y, et al. The associations among serum vitamin D concentration, systemic immune-inflammation index, and lifestyle factors in Chinese adults: a cross-sectional analysis. *Front Nutr*. 2025 May 30;12:1543925. <https://doi.org/10.3389/fnut.2025.1543925>. eCollection 2025. PMID: 40521355
 - Eren E, Aktaş MS. Effect of 1,25-dihydroxy vitamin D(3) on inflammation, antimicrobial peptide, and D-dimer levels in *Escherichia coli*-induced sepsis in neonatal calves. *Vet Immunol Immunopathol*. 2025 Jul;285:110963. <https://doi.org/10.1016/j.vetimm.2025.110963>. Epub 2025 Jun 1. PMID: 40466521
 - Fangal VD, Kılıç A, Mirzakhani H, et al. Vitamin D exerts endogenous control over T(H)2 cell fate and immune plasticity. *iScience*. 2025 Feb 26;28(4):112117. <https://doi.org/10.1016/j.isci.2025.112117>. eCollection 2025 Apr 18. PMID: 40224021
 - Gospodarska E, Dastidar RG, Jaroslawska J, et al. Transcriptomic profiling of immune modulation induced by vitamin D(3) in the VitDPAS and VitDHiD cohort studies. *Sci Rep*. 2025 May 19;15(1):17334. <https://doi.org/10.1038/s41598-025-02495-w>. PMID: 40389645
 - Ismail I, Ratnawati R, Machmud Y, et al. Impact of vitamin D receptor gene polymorphism on susceptibility to tuberculosis infection in Indonesia. *Monaldi Arch Chest Dis*. 2025 Apr 24. <https://doi.org/10.4081/monaldi.2025.3329>. Online ahead of print. PMID: 40297969
 - Jaya W, Prawiro SR, Susianti H, et al. The role of vitamin D and the VDR gene polymorphism in sepsis risk and mortality: a systematic review. *Osong Public Health Res Perspect*. 2025 Apr 29. <https://doi.org/10.24171/j.phrp.2025.0006>. Online ahead of print. PMID: 40300767
 - Kokkinari A, Antoniou E, Orovou E, et al. The Role of Prenatal Vitamin D Deficiency in Early Allergic Rhinitis in Neonates in Greece: Insights from a Cross-Sectional Study at the "Tzaneio" General Hospital. *Clin Pract*. 2025 Apr 30;15(5):89. <https://doi.org/10.3390/clinpract15050089>. PMID: 40422270
 - Li Q, Xu X, Liu Y, et al. The effects of prenatal vitamin D supplementation on respiratory and allergy-related outcomes in children: A systematic review and meta-analysis of randomized controlled trials. *World Allergy Organ J*. 2025 Jun 7;18(7):101075. <https://doi.org/10.1016/j.waojou.2025.101075>. eCollection 2025 Jul. PMID: 40535465
 - Liu Y, Wei Y. Association between the CALLY index, vitamin D, and asthma: insights from NHANES. *Front Allergy*. 2025 Apr 7;6:1557677. <https://doi.org/10.3389/falgy.2025.1557677>. eCollection 2025. PMID: 40259948
 - Mehta S, Patel V, Agarwal S, et al. Vitamin D deficiency and immune health in polar populations: a systematic review and hypothesis-driven narrative analysis. *Immunol Res*. 2025 May 21;73(1):84. <https://doi.org/10.1007/s12026-025-09640-7>. PMID: 40397266
 - Meng J, Li X, Xiong Y, et al. The role of vitamin D in the prevention and treatment of tuberculosis: a meta-analysis of randomized controlled trials. *Infection*. 2025 Jun;53(3):1129-1140. <https://doi.org/10.1007/s15010-024-02446-z>. Epub 2024 Nov 29. PMID: 39612153
 - Philippart A, Eloy P. Vitamin D and Chronic Rhinosinusitis with Nasal Polyps: A Narrative Review and Perspectives. *J Clin Med*. 2025 Apr 4;14(7):2467. <https://doi.org/10.3390/jcm14072467>. PMID: 40217916
 - Rastgoo S, Pourvali K, Raeissadat SA, et al. Co-administration of vitamin D and N-acetylcysteine to modulate immunosenescence in older adults with vitamin D deficiency: a randomized clinical trial. *Front Immunol*. 2025 May 12;16:1570441. <https://doi.org/10.3389/fimmu.2025.1570441>. eCollection 2025. PMID: 40421021
 - Rastgoo S, Pourvali K, Raeissadat SA, et al. Corrigendum: Co-administration of vitamin D and N-acetylcysteine to modulate immunosenescence in older adults with vitamin D deficiency: a randomized clinical trial. *Front Immunol*. 2025 May 29;16:1627178. <https://doi.org/10.3389/fimmu.2025.1627178>. eCollection 2025. PMID: 40510343
 - Samal S, Dash MK, Behera CK, et al. Vitamin D Deficiency is Associated With Dengue Severity in Pediatric Cases, Eastern India. *J Trop Med*. 2025 Apr 3;2025:2863024. <https://doi.org/10.1155/jotm/2863024>. eCollection 2025. PMID: 40226633
 - Shih H, Chen Y, Huynh K, et al. Vitamin D Supplementation and Remission from Chronic Anterior Uveitis. *Ocul Immunol Inflamm*. 2025 May;33(4):585-588. <https://doi.org/10.1080/09273948.2024.2427857>. Epub 2024 Nov 25. PMID: 39586010
 - Tabsh N, Bilezikian JP. Vitamin D Status as a Risk Factor for Tuberculosis Infection. *Adv Nutr*. 2025 Apr;16(4):100394. <https://doi.org/10.1016/j.advnut.2025.100394>. Epub 2025 Feb 20. PMID: 39986573
 - Theilade S, Yahyavi SK, Jensen MB, et al. Exacerbated hypercalcemia, nephrolithiasis, and renal impairment after vitamin D supplementation in granulomatous disease: a case report. *J Med Case Rep*. 2025 Apr 23;19(1):187. <https://doi.org/10.1186/s13256-025-05078-5>. PMID: 40270059
 - Tomás C, Muñoz Á, Báguena C, et al. Effect of cholecalciferol on 25-hydroxyvitamin D in people living with HIV and vitamin D deficiency: A prospective observational study. *Med Clin (Barc)*. 2025 May 23;165(2):106972. <https://doi.org/10.1016/j.medcli.2025.106972>. Online ahead of print. PMID: 40412099
 - Ullah H. Gut-vitamin D interplay: key to mitigating immunosenescence and promoting healthy ageing. *Immun Ageing*. 2025 May 19;22(1):20. <https://doi.org/10.1186/s12979-025-00514-y>. PMID: 40390005
 - Wang X, Tan L, Dong Y, et al. Vitamin D enhances the effect of Soufeng sanjie formula in alleviating joint inflammation in CIA mice through VDR-NOTCH3/DLL4 signaling in macrophages. *J Ethnopharmacol*. 2025 Jun 12;349:119932. <https://doi.org/10.1016/j.jep.2025.119932>. Epub 2025 May 9. PMID: 40350051
 - Wei X, Wang Y, Liu W, et al. Vitamin D against diabetic adipose tissue inflammation through SHP-1/STAT3 pathway. *Int Immunopharmacol*. 2025 Jun 23;162:115131. <https://doi.org/10.1016/j.intimp.2025.115131>. Online ahead of print. PMID: 40555152
 - Yang D, Chen X, Lv B. Effect and Mechanism of Vitamin D on Inflammatory Factors and Neutrophil Activity in Preterm Placen-

- ta of Rats Induced by LPS. *Cell Biochem Biophys*. 2025 Jun;83(2):2547-2552. <https://doi.org/10.1007/s12013-024-01663-5>. Epub 2025 Mar 25. PMID: 40131612
- Yang Y, Deng J, Liu P, et al. Vitamin D inhibits apoptosis in THP-1 cells infected with mycobacterium tuberculosis through TNF signaling pathway. *Front Immunol*. 2025 May 6;16:1525922. <https://doi.org/10.3389/fimmu.2025.1525922>. eCollection 2025. PMID: 40396181
 - Zanetta P, De Giorgis V, Barberis E, et al. Lactobacillus probiotic cell-free supernatants and vitamin D influence interleukin-6 production and mitigate oral periodontopathogens-induced cytotoxicity in FaDu cells. *Front Microbiol*. 2025 Apr 25;16:1578267. <https://doi.org/10.3389/fmicb.2025.1578267>. eCollection 2025. PMID: 40351306
 - Zúñiga VA, Bazan-Perkins B. The impact of vitamin D on atopic disorders: assessing evidence for a causal relationship. *Front Nutr*. 2025 Apr 10;12:1584818. <https://doi.org/10.3389/fnut.2025.1584818>. eCollection 2025. PMID: 40276536
- ## LABORATORIO
- Abouzid M, Kerner J, Mikulska-Sauermann A, et al. Extension of an Ultra-High Performance Liquid Chromatography-MS/MS Method for the Determination of C3 Epimers of 25-Hydroxyl Derivatives of Vitamin D in Human Plasma. *J Chromatogr Sci*. 2025 May 7;63(5):bmaf031. <https://doi.org/10.1093/chromsci/bmaf031>. PMID: 40444740
 - Filali H, Mouhcine M, Segmani I, et al. An In-Silico Investigation of the Potential of Vitamin D as a 5-HT1A Receptor Agonist: A Molecular Modeling Approach for Evaluating its Pharmacological Prospects. *Curr Drug Discov Technol*. 2025 Apr 3. <https://doi.org/10.2174/0115701638359333250314062331>. Online ahead of print. PMID: 40183276
 - Fleet JC. Differences in the absorption and metabolism of vitamin D(2), vitamin D(3), and 25 hydroxyvitamin D. *J Steroid Biochem Mol Biol*. 2025 May;249:106718. <https://doi.org/10.1016/j.jsbmb.2025.106718>. Epub 2025 Mar 5. PMID: 40043817
 - Fraser DR, Mason RS. Commentary: Cellular functions of vitamin D-binding protein. *Comp Biochem Physiol A Mol Integr Physiol*. 2025 Jul;305:111848. <https://doi.org/10.1016/j.cbpa.2025.111848>. Epub 2025 Mar 25. PMID: 40147814
 - Gómez-Bouzó U, Peluso-Iltis C, Santalla H, et al. Design, synthesis and biological evaluation of a novel non-Gemini analog of UVB1 and crystal structure of its complex with the vitamin D receptor. *Bioorg Chem*. 2025 Apr;157:108239. <https://doi.org/10.1016/j.bioorg.2025.108239>. Epub 2025 Feb 4. PMID: 39938446
 - Iwaki M, Sakamoto R, Tsutsumi R, et al. Development of an Environmentally Responsive Fluorescent Ligand for Vitamin D Receptor. *Chembiochem*. 2025 Apr 14;26(8):e202401038. <https://doi.org/10.1002/cbic.202401038>. Epub 2025 Jan 30. PMID: 39843389
 - Kirazoglu M, Benli B. Enhanced Vitamin D(3) Adsorption Through Novel Hydrophobic Halloysite-Alginate Biopolymer Composites. *Polymers (Basel)*. 2025 Apr 17;17(8):1083. <https://doi.org/10.3390/polym17081083>. PMID: 40284348
 - Liang Z, Zhou Q, Li Y, et al. Efficient C25-Hydroxylation of Vitamin D(3) Utilizing an Artificial Self-Sufficient Whole-Cell Cytochrome P450 Biocatalyst. *J Agric Food Chem*. 2025 Apr 30;73(17):10378-10388. <https://doi.org/10.1021/acs.jafc.4c12356>. Epub 2025 Mar 20. PMID: 40112285
 - Maeda K, Sakamoto K, Ito E, et al. An LC/MS/MS method for quantifying 25-hydroxyvitamin D(3) in finger-prick plasma sample prepared by DEMECAL() micro plasma separation device: toward mail-in assessment of vitamin D status. *Anal Bioanal Chem*. 2025 Jun 10. <https://doi.org/10.1007/s00216-025-05939-4>. Online ahead of print. PMID: 40494965
 - Mudiyanselage HNTN, Misawa T, Ochiai K, et al. Structure-activity relationship and crystallographic analyses of non-secosteroid vitamin D receptor ligands bearing diphenylsilane core as a hydrophobic pharmacophore. *Bioorg Med Chem*. 2025 May 30;128:118261. <https://doi.org/10.1016/j.bmc.2025.118261>. Online ahead of print. PMID: 40494220
 - Nie S, Huang P, Niu H, et al. Vitamin D deficiency enhances platelet activation and thrombosis by regulating VDR/Akt pathway based on platelet proteomics. *Eur J Pharmacol*. 2025 Jul 15;999:177684. <https://doi.org/10.1016/j.ejphar.2025.177684>. Epub 2025 May 1. PMID: 40315949
 - Otero R, Seoane S, Fernández-Domínguez X, et al. Synthesis, Molecular Docking and Biological Evaluation of A-Ring-Carborane-Vitamin D Analogues. *Molecules*. 2025 Jun 18;30(12):2637. <https://doi.org/10.3390/molecules30122637>. PMID: 40572600
 - Patel R, Nandini, Kharkwal H, et al. Recent Advancements Towards the Use of Vitamin D Isoforms and the Development of Their Synthetic Analogues as New Therapeutics. *Biomedicines*. 2025 Apr 21;13(4):1002. <https://doi.org/10.3390/biomedicines13041002>. PMID: 40299638
 - Perales-Afán JJ, Aparicio-Pelaz D, Puente-Lanzarote JJ, et al. The impact of demand management on vitamin D testing. *Biochem Med (Zagreb)*. 2025 Jun 15;35(2):020707. <https://doi.org/10.11613/BM.2025.020707>. PMID: 40520653
 - Silverstein WK, Rangrej J, Malikov K, et al. Long-Term Changes in Serum Vitamin D Testing After Implementation of Criteria-Based Testing. *JAMA Intern Med*. 2025 May 12:e251000. <https://doi.org/10.1001/jamainternmed.2025.1000>. Online ahead of print. PMID: 40355093
 - Squillaciotti G, El Sherbiny S, Letticio V, et al. The Quantification of Vitamin D in Humans: A Promising, Non-Invasive and Cost-Effective Method to Measure 25-Hydroxyvitamin D. *Biomolecules*. 2025 Apr 10;15(4):560. <https://doi.org/10.3390/biom15040560>. PMID: 40305348
 - Wang Z, Liu Y. Dual-modulation of nutrient-transporter axis and functionalized carriers: A paradigm shift for precision oral vitamin D delivery. *Colloids Surf B Biointerfaces*. 2025 Sep;253:114769. <https://doi.org/10.1016/j.colsurfb.2025.114769>. Epub 2025 May 7. PMID: 40344743
- ## MISCELLANEA
- [No authors listed] Correction: Vitamin D Deficiency Increases Mortality Risk in the UK Biobank. *Ann Intern Med*. 2025 Jun 17. <https://doi.org/10.7326/AN-NALS-25-02471>. Online ahead of print. PMID: 40523290

- Abbasi F, Azargoun R, Asri-Rezaei S. Evaluation of Serum Vitamin D and C Concentrations in Cats With Gingivostomatitis. *Vet Med Sci*. 2025 May;11(3):e70279. <https://doi.org/10.1002/vms3.70279>. PMID: 40173273
- Al-Nefeiy FA. Combined vitamin D and coconut oil are promising protective approaches against aluminum-induced testicular damage in rats. *Toxicol Rep*. 2025 May 18;14:102051. <https://doi.org/10.1016/j.toxrep.2025.102051>. eCollection 2025 Jun. PMID: 40502327
- Albasheer O, Abdelwahab SI, Alqassim A, et al. Effects of vitamin D supplementation on symptoms and clinical outcomes in adults with different baseline vitamin D levels: an interventional study. *J Health Popul Nutr*. 2025 May 29;44(1):176. <https://doi.org/10.1186/s41043-025-00881-8>. PMID: 40442818
- Arnljots R, Snaebjörnsson Arnljots E, et al. Are long-lasting nonspecific symptoms related to vitamin D deficiency among older adults living in nursing homes? *BMC Geriatr*. 2025 Jun 24;25(1):428. <https://doi.org/10.1186/s12877-025-06132-z>. PMID: 40556007
- Bahrami A, Farasat A, Zolghadr L, et al. Vitamin D and Inhibition of Melanogenesis: Examination of Liposomal Vitamin D Nanocarrier Anti-Melanogenesis Activity on B16 F10 Cell Line. *Food Sci Nutr*. 2025 May 19;13(5):e70302. <https://doi.org/10.1002/fsn3.70302>. eCollection 2025 May. PMID: 40390845
- Bartolomeo N, Pederzoli M, Palombella S, et al. The Effects of Vitamin D on Keratoconus Progression. *Am J Ophthalmol*. 2025 Apr 15;276:235-251. <https://doi.org/10.1016/j.ajo.2025.04.009>. Online ahead of print. PMID: 40245974
- Baysal Z, Özer Ö, Doğan L, et al. Evaluation of pupillary functions in adult vitamin D deficiency patients. *BMC Ophthalmol*. 2025 Apr 14;25(1):203. <https://doi.org/10.1186/s12886-025-04041-8>. PMID: 40223050
- Bironneau V, Palamede ML, Charuel E, et al. Vitamin D lacks efficacy: A re-analysis of a systematic review using the REB method. *Fundam Clin Pharmacol*. 2025 Aug;39(4):e70011. <https://doi.org/10.1111/fcp.70011>. PMID: 40421782
- Boudrag S, Arendt EK, Segura Godoy C, et al. Optimising White Wheat Bread Fortification with Vitamin D(3) and Dietary Fibre: Balancing Nutritional Enhancement and Technological Quality. *Foods*. 2025 Jun 11;14(12):2055. <https://doi.org/10.3390/foods14122055>. PMID: 40565664
- Bravo-Núñez Á, Berthomé A, Sabran C, et al. Substitution of polysorbates by plant-based emulsifiers: impact on vitamin D bioavailability and gut health in mice. *Commun Biol*. 2025 Jun 7;8(1):896. <https://doi.org/10.1038/s42003-025-08293-4>. PMID: 40483271
- Bruins MJ. Contribution of different vitamin D forms and fortified foods to vitamin D intake in Europe: A narrative review. *J Steroid Biochem Mol Biol*. 2025 Jul;251:106761. <https://doi.org/10.1016/j.jsbmb.2025.106761>. Epub 2025 Apr 14. PMID: 40239928
- Cai Z, Rui S, Huang N, et al. The role of vitamin D in sleep regulation: mechanisms, clinical advances, and future directions. *Front Nutr*. 2025 Jun 2;12:1595813. <https://doi.org/10.3389/fnut.2025.1595813>. eCollection 2025. PMID: 40529426
- Chakhtoura M, Akl E, Arabi A, et al. The Lebanese GRADE-based vitamin D guidelines: a paradigm for the MENA region. *Osteoporos Int*. 2025 Jun;36(6):937-950. <https://doi.org/10.1007/s00198-024-07375-z>. Epub 2025 Apr 23. PMID: 40268771
- Chisini IA, Salvi LC, de Carvalho RV, et al. Pathways of the vitamin D receptor gene and dental caries: A systematic review and meta-analysis. *Arch Oral Biol*. 2025 May;173:106195. <https://doi.org/10.1016/j.archoralbio.2025.106195>. Epub 2025 Feb 12. PMID: 39986212
- Crafa A, Cannarella R, Cannarella V, et al. Retrospective real world study on vitamin D supplementation: Looking for the most effective molecule and its frequency of use. *Clin Nutr*. 2025 Apr;47:265-274. <https://doi.org/10.1016/j.clnu.2025.03.004>. Epub 2025 Mar 8. PMID: 40081089
- Cunningham LO, Ganapathy A, Eldeniz C, et al. 3D printed vitamin D impregnated catheters for magnetic resonance-guided interventions: proof of concept and imaging characteristics. *3D Print Med*. 2025 Jun 13;11(1):27. <https://doi.org/10.1186/s41205-025-00273-y>. PMID: 40512429
- Daneshvar K, Chaibakhsh S, Iranpour S, et al. Serum Vitamin D Levels in Patients with Vernal Keratoconjunctivitis: A Systematic Review and Meta-Analysis. *Ocul Immunol Inflamm*. 2025 May;33(4):633-640. <https://doi.org/10.1080/09273948.2024.2431663>. Epub 2024 Dec 5. PMID: 39637054
- Deepika, Kumari A, Singh S, et al. Vitamin D: recent advances, associated factors, and its role in combating non-communicable diseases. *NPJ Sci Food*. 2025 Jun 13;9(1):100. <https://doi.org/10.1038/s41538-025-00460-5>. PMID: 40514375
- De Maio F, Luciano C, Trevisanuto C, et al. Surgical treatment of the varus knee caused by vitamin D-resistant rickets. Report of two cases and review of the literature. *Int J Surg Case Rep*. 2025 Apr;129:111187. <https://doi.org/10.1016/j.ijscr.2025.111187>. Epub 2025 Mar 24. PMID: 40139138
- Didar Z, Khodaparast MHH, Goharjoo B. Flaxseed mucilage - stabilized double emulsion for vitamin D delivery in Hazelnut milk ice cream: in vitro stability and storage. *J Food Sci Technol*. 2025 May;62(5):897-910. <https://doi.org/10.1007/s13197-024-06078-x>. Epub 2024 Sep 19. PMID: 40182671
- Di Nisio A, De Toni L, Canova C, et al. Association of perfluoroalkyl substance (PFAS) on vitamin D biomarkers in a highly exposed population of the Veneto Region in Italy. *Chemosphere*. 2025 Apr;374:144230. <https://doi.org/10.1016/j.chemosphere.2025.144230>. Epub 2025 Feb 19. PMID: 39977961
- Dominguez IJ, Veronese N, Ragusa FS, et al. The Importance of Vitamin D and Magnesium in Athletes. *Nutrients*. 2025 May 13;17(10):1655. <https://doi.org/10.3390/nu17101655>. PMID: 40431395
- Dragičević Tomičić D, Lešić N, Škrlec I, et al. Effects of Vitamin D, Melatonin, and Omega-3 Fatty Acids on Periodontal Health: A Narrative Review. *Dent J (Basel)*. 2025 Apr 20;13(4):178. <https://doi.org/10.3390/dj13040178>. PMID: 40277508
- Dumbre D, Upendra S, Zacharias BS. Unraveling the Relationship Between Vitamin D and Noncommunicable Diseases: A Systemic Review and Meta-Analysis. *Public Health Nurs*. 2025 May-Jun;42(3):1302-1314.

- <https://doi.org/10.1111/phn.13521>. Epub 2025 Jan 7. PMID: 39777920
- Durocher JJ, Mutai E. Sleep tight with vitamin D's might. *Am J Physiol Regul Integr Comp Physiol*. 2025 May 1;328(5):R557-R558. <https://doi.org/10.1152/ajpregu.00058.2025>. Epub 2025 Mar 26. PMID: 40137004
 - Durá-Travé T. Foods fortified with vitamin D. Myth or reality? *Nutr Hosp*. 2025 Apr 21;42(2):389-390. <https://doi.org/10.20960/nh.05580>. PMID: 39692248
 - El-Waseif AG, Elshal M, El-Kashef DH, et al. Paricalcitol, an active vitamin D analog, mitigates dexamethasone-induced hepatic injury: Role of autophagy, pyroptosis, and PERK/Nrf2/HO-1 signaling pathway. *Toxicol Appl Pharmacol*. 2025 May;498:117307. <https://doi.org/10.1016/j.taap.2025.117307>. Epub 2025 Mar 19. PMID: 40118256
 - Fathy A, Elhadidi YN, Gaber R, et al. The Effect of Vitamin D Level on The Prediction of The Success of Secondary Alveolar Cleft Grafting: A Retrospective Study. *J Craniofac Surg*. 2025 Jun 1;36(4):1271-1274. <https://doi.org/10.1097/SCS.00000000000011127>. Epub 2025 Feb 7. PMID: 39919215
 - Fernández-Lázaro D, Mielgo-Ayuso J, Seco-Calvo J, et al. Single Nucleotide Polymorphisms (SNPs) in Vitamin D Physiology Genes May Modulate Serum 25(OH)D Levels in Well-Trained CrossFit® Athletes, Which May Be Associated with Performance Outcomes. *Int J Mol Sci*. 2025 Jun 11;26(12):5602. <https://doi.org/10.3390/ijms26125602>. PMID: 40565063
 - Fleet JC, Watkins NM, Anderson PH, et al. The impact of inducible-whole body or intestine-specific Cyp24a1 gene knockout on vitamin D metabolism in mice. *J Steroid Biochem Mol Biol*. 2025 Jun;250:106735. <https://doi.org/10.1016/j.jsbmb.2025.106735>. Epub 2025 Mar 15. PMID: 40096918
 - Gheitanchi F, Giambra JJ, Hecker AS, et al. Relationships between liver and rumen fluke infections, milk somatic cells and polymorphisms in the Toll-like receptor 5 gene and vitamin D metabolism-related genes in Holstein dairy cows. *Vet Immunol Immunopathol*. 2025 May;283:110911. <https://doi.org/10.1016/j.vetimm.2025.110911>. Epub 2025 Mar 7. PMID: 40058098
 - Gillman MW, Fu LY. Vitamin D Guidelines in Primary Care. *JAMA*. 2025 May 27;333(20):1779-1780. <https://doi.org/10.1001/jama.2025.5544>. PMID: 40266826
 - Gong B, Xu B, Wang C, et al. The mediating effect of BMI in serum vitamin D related sleep deprivation based on the NHANES database. *Front Nutr*. 2025 Jun 10;12:1571985. <https://doi.org/10.3389/fnut.2025.1571985>. eCollection 2025. PMID: 40557234
 - Grigoraș RI, Gasparro R, Coșarcă AS, et al. The Impact of LDL Cholesterol, HDL Cholesterol, Triglycerides, and Vitamin D on Short-Term Implant Survival Rate: A Prospective Observational Study. *J Clin Med*. 2025 May 18;14(10):3531. <https://doi.org/10.3390/jcm14103531>. PMID: 40429527
 - Gurbanov V, Öztürk A, Doğruel F, et al. Increasing Serum Vitamin D Levels Reduces Gingival Crevicular Fluid Matrix Metalloproteinase-9 Levels in Periodontal Health and Diseases. *J Clin Periodontol*. 2025 May 15. <https://doi.org/10.1111/jcpe.14175>. Online ahead of print. PMID: 40373828
 - Güleriyüz B, Karacaer F, Biricik E, et al. Influence of Vitamin D on Sevoflurane-Induced Neurotoxicity in Offspring Mice. *Anesth Analg*. 2025 Jun 23. <https://doi.org/10.1213/ANE.00000000000007570>. Online ahead of print. PMID: 40549585
 - Hacker S, Lenz C, Reichert L, et al. Vitamin D status and its determinants in German elite athletes. *Eur J Appl Physiol*. 2025 Jun;125(6):1549-1561. <https://doi.org/10.1007/s00421-024-05699-6>. Epub 2025 Jan 4. PMID: 39755816
 - Han Z, Yang A, Yang J, et al. Vitamin D receptor upregulation promotes ferroptosis-related salivary hyposecretion caused by Sod1 knockout in female mice. *Free Radic Biol Med*. 2025 Aug 1;235:124-136. <https://doi.org/10.1016/j.freeradbiomed.2025.04.041>. Epub 2025 Apr 26. PMID: 40294853
 - Huang HX, Ma JX, Du LY, et al. Associations of exposure to individual polyfluoroalkyl substances and their mixtures with vitamin D biomarkers in postmenopausal women. *Ecotoxicol Environ Saf*. 2025 Apr 1;294:118103. <https://doi.org/10.1016/j.ecoenv.2025.118103>. Epub 2025 Mar 27. PMID: 40154225
 - Huang YK, Chen CW, Renn TY, et al. Post-operative supplementation with vitamin D after mucogingival surgery significantly enhances autophagy and improves life quality following feline chronic gingivostomatitis. *Int J Vet Sci Med*. 2025 Apr 24;13(1):1-9. <https://doi.org/10.1080/23144599.2025.2487751>. eCollection 2025. PMID: 40290667
 - Huang Z, Fu Z, Wang J, et al. Effects of dietary supplementation levels of vitamin A and vitamin D(3) on growth performance, jejunal function, and tibia development in goslings from 1 to 28 days of age. *Poult Sci*. 2025 May;104(5):104780. <https://doi.org/10.1016/j.psj.2025.104780>. Epub 2025 Jan 4. PMID: 40127567
 - Jacobo-Delgado YM, Rodríguez-Carlos A, Santos-Mena A, et al. A new target for drug repositioning: CEBPα elicits IL-37 expression in a vitamin D-independent manner promoting Mtb clearance. *Microb Pathog*. 2025 Aug;205:107586. <https://doi.org/10.1016/j.micpath.2025.107586>. Epub 2025 Apr 18. PMID: 40252936
 - Jawla N, Khare S, Yadav N, et al. Vitamin D receptor signalling regulates the diet-driven metabolic shift during weaning. *Mol Metab*. 2025 Jul;97:102158. <https://doi.org/10.1016/j.molmet.2025.102158>. Epub 2025 Apr 26. PMID: 40294701
 - Jelić D, Vraneš M, Zeljković S, et al. Advancing food fortification with kinetics: Stabilizing vitamin D(3) through calcium carbonate-based vehicles. *Food Chem*. 2025 Sep 30;487:144811. <https://doi.org/10.1016/j.foodchem.2025.144811>. Epub 2025 May 17. PMID: 40398225
 - Jung DH, Kim HJ, Ryuk JA, et al. Aqueous extract of *Sedum sarmentosum* (SS-Ex) promotes bone formation and linear bone growth in a calcium/vitamin D-deficient mouse model. *Biomed Pharmacother*. 2025 Jun 25;189:118294. <https://doi.org/10.1016/j.biopha.2025.118294>. Online ahead of print. PMID: 40570708
 - Kamińska K, Świdarska B, Malinowska A, et al. Vitamin D(3) and insulin treatment affects porcine follicular fluid-derived extracellular vesicles characteristics and proteome cargo. *Reprod Biol*. 2025 Jun 3;25(3):101040. <https://doi.org/10.1016/j.repbio.2025.101040>. Online ahead of print. PMID: 40466222
 - Karabulut S, Canbek TD, Karabulut M, et

- al. The response of the retinal vessels to the vitamin D supplementation treatment running title: The retinal vessels and vitamin D supplementation treatment. *Photodiagnosis Photodyn Ther.* 2025 Jun;53:104602. <https://doi.org/10.1016/j.pdpdt.2025.104602>. Epub 2025 Apr 22. PMID: 40268038
- Khatri S, Albright JA, Byrne RA, et al. Association of Vitamin D Deficiency With Distal Biceps Injury: A Retrospective Analysis of 336,320 Patients. *Sports Health.* 2025 Jul;17(4):775-782. <https://doi.org/10.1177/19417381241273453>. Epub 2024 Aug 27. PMID: 39189103
 - Kianfar R, Kanani R, Janmohammadi H, et al. Implications of high-dose vitamin D(3) with and without vitamin C on bone mineralization and blood biochemical factors in broiler breeder hens and their offspring. *PeerJ.* 2025 Apr 4;13:e18983. <https://doi.org/10.7717/peerj.18983>. eCollection 2025. PMID: 40196295
 - Kim C, Park S, Rho SJ, et al. Rice flour-based filled hydrogel: an effective vitamin D encapsulation system as influenced by rice flour variety. *Food Sci Biotechnol.* 2025 Jan 7;34(7):1617-1629. <https://doi.org/10.1007/s10068-024-01806-7>. eCollection 2025 Apr. PMID: 40129715
 - Kositsawat J, Orkaby A. What Comes Next for Vitamin D Supplementation and Trials in Older Adults? *J Am Geriatr Soc.* 2025 Apr;73(4):1005-1007. <https://doi.org/10.1111/jgs.19390>. Epub 2025 Mar 13. PMID: 40079668
 - Krivitzky ND Col, Slack CM Lt Col, Kosaraju A Col, et al. Evaluation of Vitamin D Levels in a Military Associated Population With Recurrent Aphthous Stomatitis. *Mil Med.* 2025 May 29:usaf213. <https://doi.org/10.1093/milmed/usaf213>. Online ahead of print. PMID: 40440183
 - Krysiak R, Kowalcze K, Szkróbka W, et al. Low Vitamin D Status Attenuates Hypolipidemic and Pleiotropic Effects of Atorvastatin in Women. *Nutrients.* 2025 May 15;17(10):1674. <https://doi.org/10.3390/nu17101674>. PMID: 40431414
 - Kwon CH, Safaie ES, Locke SL, et al. Effects of dietary 25-hydroxycholecalciferol supplementation on growth performance, blood vitamin D and antioxidant status in nursery pigs. *Anim Biosci.* 2025 May 12. <https://doi.org/10.5713/ab.25.0029>. Online ahead of print. PMID: 40369757
 - Lechner-Scott J, Yeh EA, Hawkes C, et al. Vitamin D- should we all take it? *Mult Scler Relat Disord.* 2025 Jun;98:106499. <https://doi.org/10.1016/j.msard.2025.106499>. Epub 2025 May 5. PMID: 40339193
 - Lee WH, Chen YH, Wang TY, et al. Association between vitamin D level and sleep quality in the elderly population: a prospective cohort study. *Sleep Breath.* 2025 Jun 24;29(4):225. <https://doi.org/10.1007/s11325-025-03398-w>. PMID: 40555884
 - Liptovszky M, Reeves C, Jarvis R, et al. Assessment of Vitamin D Status in Great Apes in Human Care. *Zoo Biol.* 2025 Jun 10. <https://doi.org/10.1002/zoo.21908>. Online ahead of print. PMID: 40492675
 - Liu ES, Davis AM, Burnett-Bowie SM. Vitamin D for Prevention of Disease. *JAMA.* 2025 May 27;333(20):1824-1825. <https://doi.org/10.1001/jama.2025.2278>. PMID: 40266611
 - Lopez-Carmona F, Toro-Ruiz A, Piquer-Martinez C, et al. Impact of Community Pharmacist-Led Interventions on Vitamin D Levels and Patient Quality of Life. *J Am Pharm Assoc (2003).* 2025 Jun 11:102447. <https://doi.org/10.1016/j.japh.2025.102447>. Online ahead of print. PMID: 40513944
 - Meier D, Weiss K, Rosemann T, et al. [What happens if you deliberately overdose on vitamin D?]. *Praxis (Bern 1994).* 2025 May;114(5):199-204. <https://doi.org/10.23785/PRAXIS.2025.05.007>. PMID: 40433721
 - Migni A, Bartolini D, Varfaj I, et al. Lipidomics reveals different therapeutic potential for natural and synthetic vitamin D formulations in hepatocyte lipotoxicity. *Biomed Pharmacother.* 2025 Jun;187:118068. <https://doi.org/10.1016/j.biopha.2025.118068>. Epub 2025 Apr 28. PMID: 40300390
 - Mittal S, Prenner J, Choi JN. High-dose vitamin D in a patient with docetaxel-induced photo-recall phenomenon. *JAAD Case Rep.* 2025 Mar 11;59:53-55. <https://doi.org/10.1016/j.jidcr.2025.02.020>. eCollection 2025 May. PMID: 40276728
 - Moro ML, Reis NG, Schavinski AZ, et al. Perinatal Vitamin D Deficiency Enhances Brown Adipose Tissue Thermogenesis in Weanling Rats. *Int J Mol Sci.* 2025 May 9;26(10):4534. <https://doi.org/10.3390/ijms26104534>. PMID: 40429675
 - Mosti MP, Aagård N, Stunes AK, et al. Acute Effects of a Single Bout of Strength and Endurance Exercise on Vitamin D Metabolites in Young Adults. *Med Sci Sports Exerc.* 2025 Jun 1;57(6):1189-1201. <https://doi.org/10.1249/MSS.0000000000003658>. Epub 2025 Jan 24. PMID: 39853282
 - Muller de Moura Sarmento S, Gomes Schmitt E, Smolski Dos Santos L, et al. Vitamin D supplementation: Biochemical and inflammatory effects in non-pathological Wistar rats. *Toxicol Rep.* 2025 Jan 9;14:101901. <https://doi.org/10.1016/j.toxrep.2025.101901>. eCollection 2025 Jun. PMID: 39897401
 - Newbury JW, Chessor RJ, Evans GM, et al. Annual Vitamin D Status of World-Class British Swimmers Following a Standardised Supplementation Protocol for Three Years. *Nutrients.* 2025 Apr 5;17(7):1270. <https://doi.org/10.3390/nu17071270>. PMID: 40219027
 - Nikooyeh B, Holick MF, Abdollahi Z, et al. Effectiveness and Potential Toxicity of Bread Fortification With Vitamin D in General Population: A Predictive Modeling Study. *J Nutr.* 2025 Apr;155(4):1268-1277. <https://doi.org/10.1016/j.tjnut.2025.02.019>. Epub 2025 Feb 22. PMID: 39993476
 - Nishikawa M, Miyagi R, Kugimiya Y, et al. Attenuative Effect of *Grifola frondosa* (Maitake Mushroom) on Severe DSS-Induced Colitis in Vitamin D-Deficient Mice. *Mol Nutr Food Res.* 2025 Jun 12:e70135. <https://doi.org/10.1002/mnfr.70135>. Online ahead of print. PMID: 40509673
 - Ogorek AN, Samara VA. New Clinical Practice Guidelines for Vitamin D Supplementation and Testing. *Clin Chem.* 2025 Apr 3;71(4):526-528. <https://doi.org/10.1093/clinchem/hvae213>. PMID: 40178549
 - Olivencia MA, Climent B, Barreira B, et al. Vitamin D deficiency induces erectile dysfunction: Role of superoxide and S1pi. *Br J Pharmacol.* 2025 Apr 13. <https://doi.org/10.1111/bph.70034>. Online ahead of print. PMID: 40222751
 - Opsomer H, Clauss M, Liesegang A, et al. The Potential of an Artificially Ultraviolet B Irradiated Hay as a Source of Vitamin

- D. J Anim Physiol Anim Nutr (Berl). 2025 May;109(3):747-752. <https://doi.org/10.1111/jpn.14094>. Epub 2025 Jan 2. PMID: 39744853
- Owens DJ, Kasper AM, Close GL. Current Practice in the Measurement and Management of Vitamin D Status in Elite Sport and Parasport. Eur J Sport Sci. 2025 May;25(5):e12305. <https://doi.org/10.1002/ejsc.12305>. PMID: 40261823
- Pallavi BV, Prashanth KVH, Ashok IA. Impact of different milling techniques towards vitamin D(3) fortification in wheat flour. J Food Sci Technol. 2025 Apr;62(4):751-762. <https://doi.org/10.1007/s13197-024-06066-1>. Epub 2024 Aug 26. PMID: 40109688
- Paradzik Simunovic M, Degoricija M, Stanic R, et al. The Potential Role of Vitamin D in the Pterygium Pathophysiology-A Possible New Therapeutic Perspective and Narrative Review. J Clin Med. 2025 May 22;14(11):3640. <https://doi.org/10.3390/jcm14113640>. PMID: 40507396
- Pasquini A, Prejbeanu R, Russu O, et al. Effect of vitamin D on anterior cruciate ligament injury rates and post-reconstruction function-A systematic review. J Exp Orthop. 2025 Apr 1;12(2):e70224. <https://doi.org/10.1002/jeo2.70224>. eCollection 2025 Apr. PMID: 40170713
- Perkin OJ, Davies SE, Hewison M, et al. Exercise without Weight Loss Prevents Seasonal Decline in Vitamin D Metabolites: The VitaDEX Randomized Controlled Trial. Adv Sci (Weinh). 2025 Jun;12(22):e2416312. <https://doi.org/10.1002/advs.202416312>. Epub 2025 May 11. PMID: 40349161
- Phimphilai M, Watthanawongkeeree S, Manosroi W. Exposure to seasonal PM(2.5) derived from biomass burning increased the risk of vitamin D deficiency in healthy perimenopausal women. Int Arch Occup Environ Health. 2025 May 21. <https://doi.org/10.1007/s00420-025-02149-4>. Online ahead of print. PMID: 40397194
- Pérez Castrillón JL, Jódar-Gimeno E, Molina K, et al. Analysis of the Efficacy and Safety of Weekly Calcifediol 100 ug in Vitamin D Deficient Patients. J Clin Med. 2025 Apr 25;14(9):2976. <https://doi.org/10.3390/jcm14092976>. PMID: 40364007
- Rastegar-Moghaddam SH, Akbarian M, Rajabian A, et al. Potential therapeutic impacts of vitamin D on hypothyroid-induced heart and kidney fibrosis and oxidative status in male rat. Naunyn Schmiedeberg Arch Pharmacol. 2025 May;398(5):5237-5248. <https://doi.org/10.1007/s00210-024-03593-8>. Epub 2024 Nov 13. PMID: 39535596
- Rațiu S, Mariș MI, Furdui-Lința AV, et al. Vitamin D alleviates oxidative stress in varicose veins: a pilot study in obese and non-obese patients. Mol Cell Biochem. 2025 Apr 22. <https://doi.org/10.1007/s11010-025-05292-1>. Online ahead of print. PMID: 40261445
- Rodríguez D, Lima SM, Li C, et al. Associations of a metal mixture and vitamin D with sleep duration among adolescents and young adults from the 2011-2018 NHANES cycles. J Trace Elem Med Biol. 2025 Apr;88:127606. <https://doi.org/10.1016/j.jtemb.2025.127606>. Epub 2025 Jan 22. PMID: 39864260
- Rombel N, Lim C, Majeed A, et al. Understanding the impact of vitamin D supplement formulation, quality and provision to older adults in UK residential care homes. RSC Pharm. 2025 May 5. <https://doi.org/10.1039/d5pm00003c>. Online ahead of print. PMID: 40406595
- Rose O, Eppacher S, Pachmayr J, et al. Vitamin D testing in pharmacies: Results of a federal screening campaign. Explor Res Clin Soc Pharm. 2025 Mar 25;18:100596. <https://doi.org/10.1016/j.rcsop.2025.100596>. eCollection 2025 Jun. PMID: 40236586
- Seciu-Grama AM, Lazăr SE, Petrescu S, et al. Impact of Vitamin D(3) Functionalization on the Osteogenic Capacity of Bioinspired 3D Scaffolds Based on Ce-Doped Bioactive Glass and Spongia Agaricina. J Funct Biomater. 2025 Apr 14;16(4):141. <https://doi.org/10.3390/jfb16040141>. PMID: 40278249
- Selimoglu R, Mete A, Seyyar SA, et al. Evaluation of vitamin D and serum lipid profile levels in obstructive meibomian gland dysfunction. J Fr Ophthalmol. 2025 Apr;48(4):104467. <https://doi.org/10.1016/j.jfo.2025.104467>. Epub 2025 Mar 7. PMID: 40056767
- Shraim R, Brennan MM, van Geffen J, et al. Prevalence and determinants of profound vitamin D deficiency (25-hydroxyvitamin D <10 nmol/L) in the UK Biobank and potential implications for disease association studies. J Steroid Biochem Mol Biol. 2025 Jun;250:106737. <https://doi.org/10.1016/j.jsbmb.2025.106737>. Epub 2025 Mar 21. PMID: 40122305
- Singh S, Meena RK, Maharshi V, et al. Vitamin D supplementation trials: Navigating the maze of unpredictable results. Perspect Clin Res. 2025 AprJun;16(2):69-74. https://doi.org/10.4103/picr.picr_325_23. Epub 2025 Jan 31. PMID: 40322473
- Soares BC, de Jesus Costa T, de Oliveira FL, et al. Vitamin D(3) encapsulated in brewer's spent yeast through vacuum biosorption: Studies on the sorption isotherm, release kinetics into the gastrointestinal system, and colon fermentation. Food Res Int. 2025 Aug;214:116597. <https://doi.org/10.1016/j.foodres.2025.116597>. Epub 2025 May 6. PMID: 40467200
- Soares BC, de Jesus Costa T, de Oliveira FL, et al. Vitamin D(3) encapsulated in brewer's spent yeast through vacuum biosorption: Studies on the sorption isotherm, release kinetics into the gastrointestinal system, and colon fermentation. Food Res Int. 2025 Aug;214:116597. <https://doi.org/10.1016/j.foodres.2025.116597>. Epub 2025 May 6. PMID: 40467200
- Srivastava S, Srivastava S, Agarwal V, et al. Vitamin D alleviates chronic stress-induced testicular steroidogenesis disruption in Wistar rats. Tissue Cell. 2025 Aug;95:102910. <https://doi.org/10.1016/j.tice.2025.102910>. Epub 2025 Apr 10. PMID: 40233666
- Tang X. Therapeutic Applications of Vitamin D. Front Biosci (Landmark Ed). 2025 Apr 27;30(4):37218. <https://doi.org/10.31083/FBL37218>. PMID: 40302351
- Torres-Izquierdo B, Galan-Olleros M, Momtaz D, et al. Effect of Vitamin D Deficiency on Development of Slipped Capital Femoral Epiphysis. J Pediatr Orthop. 2025 MayJun 01;45(5):e422-e426. <https://doi.org/10.1097/BPO.0000000000002915>. Epub 2025 Feb 10. PMID: 39927509
- Usama, Khan A, Raza MK, et al. Genetic insights into vitamin D deficiency: a case-control study of GC and CYP24A1 gene polymorphism. Steroids. 2025 Jun;218:109607. <https://doi.org/10.1016/j.steroids.2025.109607>.

Epub 2025 Apr 6. PMID: 40199414

- Venter FC, Ghitea TC, Venter AN, et al. Correlation Between Vitamin D Deficiency (25(OH)D3) and the Severity of Purulent Oropharyngeal Infections. *J Clin Med*. 2025 Apr 1;14(7):2410. <https://doi.org/10.3390/jcm14072410>. PMID: 40217860
- Wang AY, Yeh YC, Cheng KH, et al. Efficacy and safety of enteral supplementation with high-dose vitamin D in critically ill patients with vitamin D deficiency. *J Formos Med Assoc*. 2025 Apr;124(4):355-360. <https://doi.org/10.1016/j.jfma.2024.05.005>. Epub 2024 May 10. PMID: 38729818
- Westhofen R, Weidinger G, Hoffmann P, et al. Vitamin D: Harmless Nutritional Supplement or Serious Medication? *Clin Case Rep*. 2025 Mar 24;13(4):e70345. <https://doi.org/10.1002/ccr3.70345>. eCollection 2025 Apr. PMID: 40134958
- Wimalawansa SJ. Enhancing the Design of Nutrient Clinical Trials for Disease Prevention-A Focus on Vitamin D: A Systematic Review. *Nutr Rev*. 2025 Jul 1;83(7):e1740-e1781. <https://doi.org/10.1093/nutrit/nuae164>. PMID: 39928411
- Wu Z, Ma B, Xiao M, et al. Vitamin D Modified DSS-Induced Colitis in Mice via STING Signaling Pathway. *Biology (Basel)*. 2025 Jun 18;14(6):715. <https://doi.org/10.3390/biology14060715>. PMID: 40563965
- Xu Z, Luan J, Wan F, et al. Vitamin D promotes autophagy to inhibit LPS-induced lung injury via targeting cathepsin D. *Naunyn-Schmiedeberg's Arch Pharmacol*. 2025 May;398(5):5531-5541. <https://doi.org/10.1007/s00210-024-03619-1>. Epub 2024 Nov 21. PMID: 39570382
- Zhao W, Wang Z, Zhou M, et al. pH-modulated pea protein-beta-glucan and carboxymethyl chitosan double-layer complex coacervate microcapsules: Efficient vitamin D(3) encapsulation and functional fortification of surimi. *Int J Biol Macromol*. 2025 Jun;311(Pt 1):143472. <https://doi.org/10.1016/j.ijbiomac.2025.143472>. Epub 2025 Apr 24. PMID: 40286965
- Zheng WH, Shi JH, Yu DX, et al. Vitamin D supplementation in critically ill patients: a meta-analysis. *Front Nutr*. 2025 Apr 30;12:1505616. <https://doi.org/10.3389/fnut.2025.1505616>. eCollection 2025. PMID: 40370799

org/10.3389/fnut.2025.1505616. eCollection 2025. PMID: 40370799

- Zhu H, Manson JE, Cook NR, et al. Vitamin D(3) and marine omega-3 fatty acids supplementation and leukocyte telomere length: 4-year findings from the Vitamin D and Omega-3 Trial (VITAL) randomized controlled trial. *Am J Clin Nutr*. 2025 May 21:S0002-9165(25)00255-2. <https://doi.org/10.1016/j.ajcnut.2025.05.003>. Online ahead of print. PMID: 40409468
- Ziada S, Wishah A, Mabrouk N, et al. Vitamin D deficiency and oral health: a systematic review of literature. *BMC Oral Health*. 2025 Apr 1;25(1):468. <https://doi.org/10.1186/s12903-025-05883-w>. PMID: 40170041

NEFROLOGIA

- Annamalai C, Viswanathan P. Vitamin D and Acute Kidney Injury: A Reciprocal Relationship. *Biomolecules*. 2025 Apr 15;15(4):586. <https://doi.org/10.3390/biom15040586>. PMID: 40305356
- Fteah AM, Mamdouh S, El-Shishtawy S, et al. Role of vitamin D receptor genetic variants (Apal and FokI) in association with nephropathy stages in a group of Egyptian patients with type 2 diabetes mellitus. *Egypt J Immunol*. 2025 Apr;32(2):57-69. <https://doi.org/10.55133/eji.320206>. PMID: 40277331
- Han N, Kim DK, Lee H, et al. Effect of off-label vitamin D analog use for albuminuria in early nondiabetic nephropathy: a double-blind, randomized, placebo-controlled trial. *Kidney Res Clin Pract*. 2025 May 21. <https://doi.org/10.23876/j.krcp.24.051>. Online ahead of print. PMID: 40443307
- Jørgensen HS, Evenepoel P. Osteoporosis after kidney transplantation-no place for active vitamin D in the prevention of bone loss. *J Bone Miner Res*. 2025 May 24;40(5):567-568. <https://doi.org/10.1093/jbmr/zjaf049>. PMID: 40156932
- Jørgensen HS, Vervloet M, Cavalier E, et al. The role of nutritional vitamin D in chronic kidney disease-mineral and bone disorder in children and adults with chronic kidney disease, on dialysis, and after kidney transplantation-a European consensus statement. *Nephrol Dial Transplant*. 2025 Apr 1;40(4):797-822. <https://doi.org/10.1093/ndt/gfae293>. PMID: 39875204

2025 Apr 1;40(4):797-822. <https://doi.org/10.1093/ndt/gfae293>. PMID: 39875204

- Kamboj K, Kumar V, Yadav AK. In Vitro Study of Vitamin D Effects on Immune, Endothelial, and Vascular Smooth Muscle Cells in Chronic Kidney Disease. *Int J Mol Sci*. 2025 Apr 23;26(9):3967. <https://doi.org/10.3390/ijms26093967>. PMID: 40362207
- Landeros-García GA, Abraham-Mancilla SM, Juárez-Sánchez JO, et al. [Association of serum vitamin D and acute renal graft dysfunction]. *Rev Med Inst Mex Seguro Soc*. 2025 May 2;63(3):e6448. <https://doi.org/10.5281/zenodo.15178453>. PMID: 40332481
- Lin H, Bousnina K, Slagter JS, et al. (Pro)renin, Erythropoietin, Vitamin D and Urodilatin Release From Human Donor Kidneys During Normothermic Machine Perfusion: Predictors of Early Post-Transplant Outcome? *Clin Transplant*. 2025 May;39(5):e70163. <https://doi.org/10.1111/ctr.70163>. PMID: 40278798
- Lu KC, Wang J, Zheng CM, et al. Vitamin D Deficiency and the Clinical Outcomes of Calcimimetic Therapy in Dialysis Patients: A Population-Based Study. *Nutrients*. 2025 Apr 30;17(9):1536. <https://doi.org/10.3390/nu17091536>. PMID: 40362848
- Massy ZA, Druke TB. Vitamin D metabolism: a kidney-independent, specific role for the intestine? *Kidney Int*. 2025 Jun;107(6):969-973. <https://doi.org/10.1016/j.kint.2025.02.020>. Epub 2025 Mar 18. PMID: 40113040
- Nakanishi M, Mizuno T, Sakai S, et al. Frequency of Acute Kidney Injury After the Initiation of Vitamin D Receptor Activators: A Multicenter Retrospective Observational Study. *Clin Drug Investig*. 2025 Apr;45(4):191-199. <https://doi.org/10.1007/s40261-025-01429-8>. Epub 2025 Mar 13. PMID: 40074969
- Oshiro T, Nishiwaki H, Takami R, et al. Primary Hyperparathyroidism with Severe Vitamin D Deficiency in Chronic Kidney Disease. *Intern Med*. 2025 Jun 5. <https://doi.org/10.2169/internalmedicine.5467-25>. Online ahead of print. PMID: 40467506
- Park E, Yim HE, Son MH, et al. Long-Term Alterations of Renal Microvasculature in

- Rats Following Maternal PM(2.5) Exposure: Vitamin D Effects. *Biomedicines*. 2025 May 10;13(5):1166. <https://doi.org/10.3390/biomedicines13051166>. PMID: 40426993
- Priyadarshini G, Parameswaran S, Sahoo J, et al. The vitamin D spectrum: insights into 25(OH)D and VDBP in chronic kidney disease and post-transplant. *Sci Rep*. 2025 May 26;15(1):18395. <https://doi.org/10.1038/s41598-025-03035-2>. PMID: 40419661
 - Youssef HS, Mohammed WH, Gazzar WBE, et al. Adropin contributes to the nephro-protective effect of vitamin D in renal aging in a rat model via MAPK/HIFalpha/VEGF/eNOS mechanism. *J Nutr Biochem*. 2025 Sep;143:109957. <https://doi.org/10.1016/j.jnutbio.2025.109957>. Epub 2025 May 8. PMID: 40348136
 - Yu J, Li Y, Zhu B, et al. Vitamin D: an important treatment for secondary hyperparathyroidism in chronic kidney disease? *Int Urol Nephrol*. 2025 Jun;57(6):1853-1863. <https://doi.org/10.1007/s11255-024-04334-9>. Epub 2024 Dec 30. PMID: 39738859
 - Zhang D, Qiao X, Peng J, et al. Impact of dioxins and polychlorinated biphenyls on kidney parameters: The modulatory role of vitamin D. *Ecotoxicol Environ Saf*. 2025 Apr 1;294:118062. <https://doi.org/10.1016/j.ecoenv.2025.118062>. Epub 2025 Mar 23. PMID: 40121944
 - Ziouani L, Gruson D, Saidani M, et al. Vitamin D, anemia, and fibroblast growth factor 23 : ethnic disparities in Algerian chronic kidney disease patients. *Nephrol Ther*. 2025 Jun 1;21(3):1-9. <https://doi.org/10.1684/ndt.2025.124>. PMID: 40495770
- ## NEUROLOGIA
- Abd-Elmawla MA, Ghaiad HR, Nooh MM, et al. Role of Vitamin D and Omega 3 Fatty Acids in Improving HDL Biogenesis among Multiple Sclerosis Patients via Orchestrating CHROME/APOA1-AS/ABCA1/APOA1 Milieu. *J Nutr Biochem*. 2025 Jun 16:110007. <https://doi.org/10.1016/j.jnutbio.2025.110007>. Online ahead of print. PMID: 40532959
 - Alshahawy RZ, Safwat SM, ElKholy SS, et al. Vitamin D and omega-3 fatty acids attenuate MSG-induced neurodegeneration by modulating tau pathology, neuroinflammation, and VDR expression in rats. *Sci Rep*. 2025 Jun 20;15(1):20187. <https://doi.org/10.1038/s41598-025-06109-3>. PMID: 40542117
 - An T, Yuan L, Wu X, et al. The association between vitamin D and restless legs syndrome following acute ischemic stroke. *Sci Rep*. 2025 Apr 28;15(1):14867. <https://doi.org/10.1038/s41598-025-98055-3>. PMID: 40295537
 - Bhuya MSI, Saiduzzaman M, Lincon K, et al. Association of Serum Vitamin D Level in Patients with Migraine. *Mymensingh Med J*. 2025 Apr;34(2):312-318. PMID: 40160043
 - Chen H, Pang X, Huang Y. Higher dietary vitamin D intake influences brain and mental function in elderly Americans: a cross-sectional analysis. *Front Nutr*. 2025 Apr 9;12:1564568. <https://doi.org/10.3389/fnut.2025.1564568>. eCollection 2025. PMID: 40271436
 - Corbett A, Taylor R, Llewellyn D, et al. Impact of Vitamin D Supplementation on Cognition in Adults With Mild to Moderate Vitamin D Deficiency: Outcomes From the VitaMIND Randomized Controlled Trial. *J Am Med Dir Assoc*. 2025 Jun 24;26(8):105711. <https://doi.org/10.1016/j.jamda.2025.105711>.
 - Gao Z, Danzhen Z, Zhu J, et al. Vitamin D levels and olfactory dysfunction in multiple sclerosis patients. *Int J Neurosci*. 2025 Apr;135(4):420-427. <https://doi.org/10.1080/00207454.2024.2304081>. Epub 2024 Feb 22. PMID: 38372675
 - Gençer Bingöl F, Kocyigit E, Çelik E, et al. Breaking the Cycle: Can Vitamin D Bridge the Gap Between Gut Microbiota and Immune Dynamics in Multiple Sclerosis? *Int J Mol Sci*. 2025 Jun 7;26(12):5464. <https://doi.org/10.3390/ijms26125464>. PMID: 40564928
 - Gomez-Figueroa E, Moreno-Bernardino C, Bäcker-Koduah P, et al. Neuroprotective role of high dose Vitamin D supplementation in multiple sclerosis: Sub-analysis of the EVIDIMS trial. *Mult Scler Relat Disord*. 2025 Jun 6;101:106567. <https://doi.org/10.1016/j.msard.2025.106567>. Online ahead of print. PMID: 40554210
 - He J, Gao Z, Li X, et al. Systematic review of optimizing brain-targeted vitamin D delivery: Novel approaches to enhance mental illness therapeutics. *Brain Res*. 2025 Jul 1;1858:149656. <https://doi.org/10.1016/j.brainres.2025.149656>. Epub 2025 Apr 24. PMID: 40286835
 - Imerbsin N, Shantavasinkul PC, Witoonpanich P, et al. Vitamin D and Cognitive Impairment. *Nutrients*. 2025 Apr 9;17(8):1301. <https://doi.org/10.3390/nu17081301>. PMID: 40284166
 - Kundu NC, Kundu A, Khalil MI, et al. A case-control study on vitamin D receptor gene polymorphisms in patients with Parkinson's disease in Bangladesh. *Sci Rep*. 2025 Apr 10;15(1):12333. <https://doi.org/10.1038/s41598-025-96195-0>. PMID: 40210960
 - Li Y, Gao P, Ding R, et al. Association between vitamin D, vitamin D supplementation and benign paroxysmal positional vertigo: a systematic review and meta-analysis. *Front Neurol*. 2025 Apr 16;16:1560616. <https://doi.org/10.3389/fneur.2025.1560616>. eCollection 2025. PMID: 40308226
 - Lopez-Alvarenga JC, Omaña-Guzmán I, Rosas-Carrasco O, et al. Vitamin D and cognition: Demographic disparities in memory recall and word intrusion in a multiethnic cohort. *J Alzheimers Dis*. 2025 Jun 16:13872877251344604. <https://doi.org/10.1177/13872877251344604>. Online ahead of print. PMID: 40518806
 - Lopez-Pizano A, Vargas-Cañas ES, Bedolla-Barajas M, et al. Exploring the Link: Vitamin D Levels and Its Clinical Implications in Guillain-Barre Syndrome Patients. *Neurohospitalist*. 2025 Jun 12:19418744251350831. <https://doi.org/10.1177/19418744251350831>. Online ahead of print. PMID: 40520471
 - Lönnroos E, Ylilauri M, Lamberg-Allardt C, et al. The Effect of Vitamin D3 Supplementation on the Incidence of Diagnosed Dementia Among Healthy Older Adults-The Finnish Vitamin D Trial. *J Gerontol A Biol Sci Med Sci*. 2025 Jun 10;80(7):glaf077. <https://doi.org/10.1093/gerona/glaf077>. PMID: 40243375
 - Nolan T. Vitamin D for multiple sclerosis and other research. *BMJ*. 2025 Apr 3;389:r601. <https://doi.org/10.1136/bmj.r601>. PMID: 40180423
 - Pattnaik SS, Sarangi SC, Dash Y, et al. Role of vitamin D supplementation and vitamin D receptor in drug-resistant epilepsy: A dou-

- ble-blind placebo-controlled trial conducted in India. *Epilepsia*. 2025 Jun 14. <https://doi.org/10.1111/epi.18492>. Online ahead of print. PMID: 40516032
- Ptasek B, Podsiadlo S, Czerwińska-Ledwig O, et al. Whole-Body Cryotherapy Affects Blood Vitamin D Levels in People with Multiple Sclerosis. *J Clin Med*. 2025 Apr 29;14(9):3086. <https://doi.org/10.3390/jcm14093086>. PMID: 40364117
 - Rizk SK, Ali EA, Sheref AAM, et al. Vitamin D and canagliflozin combination alleviates Parkinson's disease in rats through modulation of RAC1/NF-kappaB/Nrf2 interaction. *Immunopharmacol Immunotoxicol*. 2025 Jun;47(3):328-344. <https://doi.org/10.1080/08923973.2025.2481849>. Epub 2025 Mar 25. PMID: 40134204
 - Savran Z, Baltaci SB, Aladag T, et al. Vitamin D and Neurodegenerative Diseases Such as Multiple Sclerosis (MS), Parkinson's Disease (PD), Alzheimer's Disease (AD), and Amyotrophic Lateral Sclerosis (ALS): A Review of Current Literature. *Curr Nutr Rep*. 2025 Jun 4;14(1):77. <https://doi.org/10.1007/s13668-025-00663-y>. PMID: 40464816
 - Su Q, Pan M, Wang Q, et al. Vitamin D Supplementation Reduces Functional Impairment of Hippocampus Caused by Dexamethasone. *Tohoku J Exp Med*. 2025 Jun 25;266(2):127-134. <https://doi.org/10.1620/tjem.2024.J122>. Epub 2024 Nov 7. PMID: 39505534
 - Tamannaefar R, Yousefzadeh S, Rahmani S, et al. Vitamin D and brain volumetric changes: An updated systematic review and meta-analysis. *IBRO Neurosci Rep*. 2025 Apr 27;18:844-852. <https://doi.org/10.1016/j.ibneur.2025.04.011>. eCollection 2025 Jun. PMID: 40519999
 - Temirbekov D, Sari E. Is Vitamin D Deficiency a Cause of Refractory Benign Paroxysmal Positional Vertigo (BPPV)? *Otolaryngol Pol*. 2025 May 29;79(3):1-7. <https://doi.org/10.5604/01.3001.0055.0939>. PMID: 40437842
 - Thouvenot E, Laplaud D, Lebrun-Frenay C, et al. High-Dose Vitamin D in Clinically Isolated Syndrome Typical of Multiple Sclerosis: The D-lay MS Randomized Clinical Trial. *JAMA*. 2025 Apr 22;333(16):1413-1422. <https://doi.org/10.1001/jama.2025.1604>. PMID: 40063041
 - Tirani SA, Saneei P, Khorvash F, et al. Effects of probiotic and vitamin D co-supplementation on migraine index, quality of life, and oxidative stress in adults with migraine headache: a randomized triple-blinded clinical trial. *Eur J Nutr*. 2025 May 13;64(4):179. <https://doi.org/10.1007/s00394-025-03687-w>. PMID: 40360751
 - Xu J, Li J, Sun YJ, et al. Effect of vitamin D supplementation on motor symptoms in Parkinson's disease: a meta-analysis of randomized controlled trials. *Front Nutr*. 2025 Jun 9;12:1500875. <https://doi.org/10.3389/fnut.2025.1500875>. eCollection 2025. PMID: 40551732
 - Yilmaz D, Adams C, Horton MK, et al. Allele-specific vitamin D receptor binding is associated with pediatric-onset multiple sclerosis. *Multi Scler J Exp Transl Clin*. 2025 May 27;11(2):20552173251335625. <https://doi.org/10.1177/20552173251335625>. eCollection 2025 Apr-Jun. PMID: 40438528
 - Zhao HM, Mu LQ, Wang J, et al. Vitamin D Activates Nrf2 to Prevent Nerve Injury and Reduce Brain Damage in Acute Cerebral Infarction. *Curr Med Sci*. 2025 May 7. <https://doi.org/10.1007/s11596-025-00043-1>. Online ahead of print. PMID: 40332737
- ## ONCOLOGIA
- Başkurt K, Karabuğa B, Mammadzada N, et al. Letter to the Editor: Comment on "Vitamin D Supplementation Improves Pathological Complete Response in Breast Cancer Patients Undergoing Neoadjuvant Chemotherapy". *Nutr Cancer*. 2025 Jun 7:1-2. <https://doi.org/10.1080/01635581.2025.2514277>. Online ahead of print. PMID: 40481654
 - Debata T, Swain A, Jena SR, et al. Vitamin D receptor gene polymorphism in oral cancer as a function of tobacco consumption: an evidence based systematic review and meta-analysis. *Front Oral Health*. 2025 Apr 28;6:1550683. <https://doi.org/10.3389/froh.2025.1550683>. eCollection 2025. PMID: 40356850
 - Faryabi A, Salari MA, Dalvand A, et al. Mapping the landscape of vitamin D in cancer studies: a systematic global investigation. *J Diabetes Metab Disord*. 2025 Mar 10;24(1):78. <https://doi.org/10.1007/s40200-025-01594-9>. eCollection 2025 Jun. PMID: 40078705
 - Fekete M, Lehoczki A, Szappanos Á, et al. Vitamin D and Colorectal Cancer Prevention: Immunological Mechanisms, Inflammatory Pathways, and Nutritional Implications. *Nutrients*. 2025 Apr 15;17(8):1351. <https://doi.org/10.3390/nu17081351>. PMID: 40284214
 - Franco YL, Mody H, Ait-Oudhia S. In Vitro Evaluation of the Dual Pharmacological Action of Vitamin D(3) as Cardio-protectant and Anti-cancer Agent. *Anticancer Res*. 2025 Jun;45(6):2351-2363. <https://doi.org/10.21873/anticancer.17608>. PMID: 40425342
 - Giorgi Rossi P, Bonvicini L. Behaviours as biomarkers? Disentangling causality between vitamin D, sedentary behaviours and mortality is necessary for preventing recurrence and cardiovascular disease in cancer survivors. *Evid Based Nurs*. 2025 Jun 19;28(3):124. <https://doi.org/10.1136/ebnurs-2023-103919>. PMID: 39074971
 - Iglesias González PA, Mori C, et al. Vitamin D and Retinoic Acid Require Protein Kinase C Activity and Reactive Oxygen Species as Opposing Signals Regulating PEIG-1/GPRC5A Expression in Caco-2 and T84 Colon Carcinoma Cells. *Biomolecules*. 2025 May 13;15(5):711. <https://doi.org/10.3390/biom15050711>. PMID: 40427604
 - Layne TM, Rothstein JH, Song X, et al. Vitamin D-related genetic variants and prostate cancer risk in Black men. *Cancer Epidemiol*. 2025 Apr;95:102742. <https://doi.org/10.1016/j.canep.2025.102742>. Epub 2025 Jan 16. PMID: 39823710
 - Li L, Luo M. Exploration in association between vitamin D and cutaneous melanoma and explainable machine learning prediction. *Front Oncol*. 2025 May 8;15:1503611. <https://doi.org/10.3389/fonc.2025.1503611>. eCollection 2025. PMID: 40438676
 - Martinez P, Grant WB. Vitamin D: What role in obesity-related cancer? *Semin Cancer Biol*. 2025 Jul;112:135-149. <https://doi.org/10.1016/j.semcancer.2025.03.007>. Epub 2025 Apr 5. PMID: 40194750
 - Mubeen M, Ali H, Zehra SS, et al. Harnessing the Power of Vitexin as a Vitamin D Receptor Agonist in Colorectal Cancer: A New Frontier. *Balkan Med J*. 2025 May 5;42(3):276-278. <https://doi.org/10.1016/j.balkanmedj.2025.03.007>

- doi.org/10.4274/balkanmedj.galenos.2024.2024-10-105. Epub 2025 Jan 15. PMID: 39810596
- Mueller PR, Kershner AJ, Breitrick BI, et al. Vitamin D and docosahexaenoic acid inhibit proliferation of the ovarian cancer cell line OVCAR4. *Nutr Health.* 2025 Jun;31(2):575-584. <https://doi.org/10.1177/02601060231202565>. Epub 2023 Sep 20. PMID: 37728210
- Nakashima M, Suga N, Fukumoto A, et al. Promising roles of vitamin D receptor and APO family proteins for the development of cancer stem cells targeted malignant tumor therapy. *Oncol Res.* 2025 Apr 18;33(5):1007-1017. <https://doi.org/10.32604/or.2025.059657>. eCollection 2025. PMID: 40296902
- Neale RE, English DR, McLeod DS, et al. The effect of vitamin D supplementation on cancer incidence in the randomised controlled D-Health Trial: Implications for policy and practice. *J Steroid Biochem Mol Biol.* 2025 Jun;250:106738. <https://doi.org/10.1016/j.jsbmb.2025.106738>. Epub 2025 Mar 15. PMID: 40096917
- Olajosy B, Slominski AT, Wolnicka-Glubisz A. Inhibition of the RIPK4 enhances suppression of human melanoma growth through vitamin D signaling. *Mol Cell Endocrinol.* 2025 Jun 7;607:112603. <https://doi.org/10.1016/j.mce.2025.112603>. Online ahead of print. PMID: 40490050
- Omodei MS, Chemicoviaki J, Butros DAB, et al. In Response to Comment on "Vitamin D Supplementation Improves Pathological Complete Response in Breast Cancer Patients Undergoing Neoadjuvant Chemotherapy". *Nutr Cancer.* 2025 Jun 2:1-3. <https://doi.org/10.1080/01635581.2025.2513678>. Online ahead of print. PMID: 40454978
- Özkurt E, Ordu C, Özmen T, et al. Vitamin D Supplementation During Neoadjuvant Chemotherapy for Breast Cancer Improves Pathological Complete Response: A Prospective Randomized Clinical Trial. *World J Surg.* 2025 Jun;49(6):1396-1405. <https://doi.org/10.1002/wjs.12587>. Epub 2025 Apr 14. PMID: 40229998
- Park B, Khadka S, Ahn J, et al. Ferroptosis induction, androgen biosynthesis disruption and prostate cancer suppression by androgen and vitamin D combination. *Biochim Biophys Acta Gen Subj.* 2025 Jul;1869(8):130828. <https://doi.org/10.1016/j.bbagen.2025.130828>. Epub 2025 May 28. PMID: 40446866
- Peixoto D, Ravasco JM, Blanco-Fernandez B, et al. Enzyme-responsive vitamin D-based micelles for paclitaxel-controlled delivery and synergistic pancreatic cancer therapy. *Mater Today Bio.* 2025 Feb 4;31:101555. <https://doi.org/10.1016/j.mtbio.2025.101555>. eCollection 2025 Apr. PMID: 40026626
- Sakhi Z, Najih M, Elghazali K, et al. Vitamin D Receptor Polymorphisms and their role in Invasive Breast Cancer progression. *J Steroid Biochem Mol Biol.* 2025 Jun 17:106819. <https://doi.org/10.1016/j.jsbmb.2025.106819>. Online ahead of print. PMID: 40553885
- Shi Y, Qian L, Ma T, et al. Vitamin D and risk of thyroid cancer: a two-sample Mendelian randomization study. *Discov Oncol.* 2025 Jun 20;16(1):1165. <https://doi.org/10.1007/s12672-025-03002-3>. PMID: 40542204
- Sun L, Lin X, Li N, et al. Effects of vitamin D(3) and calcium supplementation on bone of young adults after thyroidectomy of differentiated thyroid carcinoma. *Endocrine.* 2025 Jun;88(3):836-846. <https://doi.org/10.1007/s12020-025-04195-x>. Epub 2025 Mar 6. PMID: 40048011
- Su YW, Lee AMC, Xu X, et al. Correction: Su et al. Methotrexate Chemotherapy Causes Growth Impairments, Vitamin D Deficiency, Bone Loss, and Altered Intestinal Metabolism-Effects of Calcitriol Supplementation. *Cancers* 2023, 15, 4367. *Cancers* (Basel). 2025 Apr 2;17(7):1207. <https://doi.org/10.3390/cancers17071207>. PMID: 40227805
- Zhang M, Zhang J, Huang G, et al. Systematic evaluation of vitamin D and the risk of breast cancer development. *Oncol Res Treat.* 2025 Apr 1:1-13. <https://doi.org/10.1159/000545130>. Online ahead of print. PMID: 40168955
- Zhang Y, Xu Y, Zhong W, et al. Vitamin D and Immune Checkpoint Inhibitors in Lung Cancer: A Synergistic Approach to Enhancing Treatment Efficacy. *Int J Mol Sci.* 2025 May 9;26(10):4511. <https://doi.org/10.3390/ijms26104511>. PMID: 40429656
- Zhou E, Bhoora S, Pillay TS, et al. Induction of Cell Death and Regulation of Autocrine Vitamin D Metabolism in Cervical Cancer by Physiological and GI20 Doses of 25-Hydroxycholecalciferol. *Int J Mol Sci.* 2025 Apr 24;26(9):4008. <https://doi.org/10.3390/ijms26094008>. PMID: 40362248
- Zębalski MA, Zębalska P, Krzywon A, et al. Vitamin D Concentration Among Women with Gynecological Cancers. *Cancers* (Basel). 2025 Jun 14;17(12):1987. <https://doi.org/10.3390/cancers17121987>. PMID: 40563637

PEDIATRIA

- Alrohaimi Y, Almuqhem BA. Prevalence of Vitamin D Deficiency Among Children (0-12 Years) in Secondary Care Hospital: A Cross-Sectional Study Over One Year Period. *J Pharm Bioallied Sci.* 2025 May;17(Suppl 1):S802-S805. https://doi.org/10.4103/jpbs.jpbs_144_25. Epub 2025 Apr 29. PMID: 40511177
- Bahinipati J, Mishra A, Parida P, et al. Evaluating Vitamin D Deficiency and Toxicity in Indian Children: A Retrospective Study. *Cureus.* 2025 Apr 20;17(4):e82647. <https://doi.org/10.7759/cureus.82647>. eCollection 2025 Apr. PMID: 40395263
- Barot KS, Abbasi ZA, Krishna Mohan GV, et al. Prevalence of Vitamin D Deficiency in Children and Adolescents With Type 1 Diabetes Mellitus: A Systematic Review and Meta-Analysis. *Cureus.* 2025 May 10;17(5):e83843. <https://doi.org/10.7759/cureus.83843>. eCollection 2025 May. PMID: 40491630
- Dermawan A, Ropii B, Lasminingrum L, et al. Serum Levels of IL-6, IL-10, TNF-alpha, and Vitamin D: Their Correlation with Acute Otitis Media in Short-Statute Pediatric Patients. *J Inflamm Res.* 2025 Apr 24;18:5533-5543. <https://doi.org/10.2147/JIR.S500675>. eCollection 2025. PMID: 40297542
- DU J, Gu Q, Lu Y, et al. [Observation and analysis of Vitamin D levels in 147 children undergoing adenoidectomy and/or tonsillectomy]. *Lin Chuang Er Bi Yan Hou Tou Jing Wai Ke Za Zhi.* 2025 Jun;39(6):515-522. <https://doi.org/10.13201/j.issn.2096-7993.2025.06.004>. PMID: 40443373
- Elwadhi A, Paharia K. Proximal Muscle Weakness in a Toddler Due to Vitamin D Deficiency Rickets: Authors' Reply. *Indian J Pediatr.* 2025 Apr;92(4):437. <https://doi.org/10.1007/s12098-025-05427-8>. Epub 2025 Jan 31. PMID: 39888552

- Fang H, Wang H, Lv H. Effects and Underlying Mechanism of Vitamin D Combined With rhGH and GnRH-a Therapy on the Growth and Development of Girls With Central Precocious Puberty. *Br J Hosp Med (Lond)*. 2025 Jun 25;86(6):1-13. <https://doi.org/10.12968/hmed.2024.1016>. Epub 2025 Jun 13. PMID: 40554448
- Finsterer J, Stollberger C. Proximal Muscle Weakness in a Toddler Due to Vitamin D Deficiency Rickets: Correspondence. *Indian J Pediatr*. 2025 Apr;92(4):436. <https://doi.org/10.1007/s12098-025-05426-9>. Epub 2025 Jan 24. PMID: 39853621
- Gonzalez Jiménez D, Rodríguez Delgado J, Campoy C, et al. Vitamin D supplementation in the healthy pediatric population. *An Pediatr (Engl Ed)*. 2025 Jun;102(6):503874. <https://doi.org/10.1016/j.anpede.2025.503874>. Epub 2025 Jun 14. PMID: 40518366
- Gülyüz A. Is There a Relationship Between Vitamin D Deficiency and Primary Monosymptomatic Enuresis Nocturna? *Diagnostics (Basel)*. 2025 May 27;15(11):1345. <https://doi.org/10.3390/diagnostics15111345>. PMID: 40506917
- Hasegawa K, Miyake T, Kobashi M, et al. Effect of calcium supplementation on bone deformity and histopathological findings of skin papules in a pediatric patient with vitamin D-dependent rickets type 2A: A case report. *Clin Pediatr Endocrinol*. 2025 Apr;34(2):131-136. <https://doi.org/10.1297/cpe.2024-0079>. Epub 2025 Feb 8. PMID: 40201379
- Helmeczi E, Pandya H, O'Hearn K, et al. Corrigendum to "Treatment response variations to a single large bolus of enteral cholecalciferol in vitamin D deficient critically ill children: Metabolomic insights for precision nutrition" [*J. Steroid Biochem Mol Biol*. 2025 Jun;250:106720]. *J Steroid Biochem Mol Biol*. 2025 Jun;250:106741. <https://doi.org/10.1016/j.jsbmb.2025.106741>. Epub 2025 Apr 2. PMID: 40180878
- Helmeczi E, Pandya H, O'Hearn K, et al. Treatment response variations to a single large bolus of enteral cholecalciferol in vitamin D deficient critically ill children: Metabolomic insights for precision nutrition. *J Steroid Biochem Mol Biol*. 2025 Jun;250:106720. <https://doi.org/10.1016/j.jsbmb.2025.106720>. Epub 2025 Mar 9. PMID: 40064426
- Hesselink A, Winkvist A, Lindroos AK, et al. High reliance on fortified foods when optimizing diets of adolescents in Sweden for adequate vitamin D intake and climate sustainability. *J Steroid Biochem Mol Biol*. 2025 Jul;251:106759. <https://doi.org/10.1016/j.jsbmb.2025.106759>. Epub 2025 Apr 7. PMID: 40204024
- Huang Y, Zhou P, Wu R, et al. Oral vitamin D supplementation is associated with full enteral feeding in very low birth weight infants. *J Matern Fetal Neonatal Med*. 2025 Dec;38(1):2515426. <https://doi.org/10.1080/14767058.2025.2515426>. Epub 2025 Jun 12. PMID: 40506369
- Ji P, Li Z, Qin W, et al. Vitamin D levels and its influencing factors in children and adolescents in mainland China: a systematic review and meta-analysis. *BMJ Open*. 2025 Jun 26;15(6):e094693. <https://doi.org/10.1136/bmjopen-2024-094693>. PMID: 40578884
- Kamrath C, Kirstein A. Sunlight, supplements, and science: vitamin D as a tool for pediatric health care. *J Pediatr Endocrinol Metab*. 2025 May 23. <https://doi.org/10.1515/jpem-2025-0246>. Online ahead of print. PMID: 40421506
- Katanić J, Dobrijević D. Lipid Profile Alterations in Pediatric Patients with Vitamin D Deficiency. *Children (Basel)*. 2025 Apr 24;12(5):546. <https://doi.org/10.3390/children12050546>. PMID: 40426726
- Kurtul BE, Sipal C, El C. Ocular haemodynamics in children with vitamin D deficiency. *Eye (Lond)*. 2025 Apr;39(5):938-942. <https://doi.org/10.1038/s41433-024-03528-w>. Epub 2024 Dec 2. PMID: 39623114
- Laurent N, Favrais G, Dupont C, et al. Evaluation of vitamin D supplementation for children under 16 years of age in France. A cross-sectional observational study. *Arch Pediatr*. 2025 Apr;32(3):163-167. <https://doi.org/10.1016/j.arcped.2024.11.009>. Epub 2025 Feb 24. PMID: 40000270
- Leonardi R, Mattia C, Decembrino N, et al. The Critical Role of Vitamin D Supplementation for Skeletal and Neurodevelopmental Outcomes in Preterm Neonates. *Nutrients*. 2025 Apr 19;17(8):1381. <https://doi.org/10.3390/nu17081381>. PMID: 40284243
- Lin TC, Yeh HY, Tsai HL, et al. Vitamin D deficiency and associated factors among children in a tertiary care hospital setting: A retrospective cohort study. *J Chin Med Assoc*. 2025 Jun 1;88(6):433-441. <https://doi.org/10.1097/JCMA.0000000000001235>. Epub 2025 Apr 8. PMID: 40195017
- Liu W, Wang Q, Mao B, et al. Two-phase linear relationship of Vitamin D and Vitamin A among children aged 0-14 years: a cross-sectional study. *Front Nutr*. 2025 Apr 1;12:1539590. <https://doi.org/10.3389/fnut.2025.1539590>. eCollection 2025. PMID: 40236634
- Matejek T, Prchal L, Zapletalova B, et al. Vitamin D metabolome in preterm infants: insights into postnatal metabolism. *Clin Chem Lab Med*. 2025 May 22. <https://doi.org/10.1515/cclm-2025-0311>. Online ahead of print. PMID: 40418768
- Montazeri-Najafabady N, Dabbaghmanesh MH. The Association Between CYP2R1 rs10741657 Polymorphisms and Bone Variables, Vitamin D, and Calcium in Iranian Children and Adolescents: A Cross-Sectional Study. *Biochem Genet*. 2025 Jun;63(3):2638-2649. <https://doi.org/10.1007/s10528-024-10826-1>. Epub 2024 Jun 4. PMID: 38834820
- Nohara F, Okamoto T, Takahashi K, et al. Vitamin D status and the adequacy of its supplementation during the first year of life in preterm infants in northern Japan. *Pediatr Neonatol*. 2025 May 8:S1875-9572(25)00085-3. <https://doi.org/10.1016/j.pedneo.2025.03.003>. Online ahead of print. PMID: 40393872
- Ogiwara Y, Shibata N, Ishii A, et al. Cutoff value of serum 25-hydroxyvitamin D leading to vitamin D deficiency for children in Japan. *Clin Pediatr Endocrinol*. 2025 Apr;34(2):115-120. <https://doi.org/10.1297/cpe.2024-0070>. Epub 2025 Mar 5. PMID: 40201378
- Piekoszewska-Ziętek P, Spodzieja K, Olczak-Kowalczyk D. Influence of Vitamin D on Developmental Defects of Enamel (DDE) in Children and Adolescents: A Systematic Review. *Nutrients*. 2025 Apr 10;17(8):1317. <https://doi.org/10.3390/nu17081317>. PMID: 40284182
- Rueang-Amnat N, Kittisakmontri K, Khuwuthyakorn V, et al. Improving Vitamin D Status in Preterm Newborns: A Randomized Trial of 800 vs. 400 IU/Day. *Nutrients*.

- 2025 May 30;17(11):1888. <https://doi.org/10.3390/nu17111888>. PMID: 40507157
- Sakamoto Y, Kamegaya M, Saisu T, et al. Vitamin D supplementation improves genu varum in toddlers: two-center pilot study. *J Bone Miner Metab*. 2025 May;43(3):265-273. <https://doi.org/10.1007/s00774-025-01583-1>. Epub 2025 Feb 7. PMID: 39918569
- Sakkarwal M, Pallavi P, Jhamb U, et al. Author Response: High-dose Vitamin D may Have No Effect on Mortality in Vitamin D-deficient Pediatric ICU Patients because the Study Design is Inappropriate. *Indian J Crit Care Med*. 2025 May;29(5):470-471. <https://doi.org/10.5005/jp-journals-10071-24964>. Epub 2025 May 8. PMID: 40416535
- Scorza FA, Scorza CA, Finsterer J. High-dose Vitamin D may Have No Effect on Mortality in Vitamin D-deficient Pediatric ICU Patients because the Study Design is Inappropriate. *Indian J Crit Care Med*. 2025 May;29(5):468-469. <https://doi.org/10.5005/jp-journals-10071-24942>. Epub 2025 May 8. PMID: 40416532
- Setia P, Seth A, Singh R, et al. Efficacy of daily 4,000 International Units (IU) Versus 6,000 IU of oral Vitamin D(3) in Vitamin D deficient children with overweight and obesity: An Open-Label Randomized Controlled Trial. *Clin Nutr ESPEN*. 2025 Jun 9:S2405-4577(25)00353-5. <https://doi.org/10.1016/j.clnesp.2025.06.007>. Online ahead of print. PMID: 40499784
- Suyal M, Khan AMA, Nabi N, et al. Beyond Bone Health: Does Higher Vitamin D Augment Oxidative Stress in Children? *Indian J Pediatr*. 2025 May;92(5):546. <https://doi.org/10.1007/s12098-025-05496-9>. Epub 2025 Mar 19. PMID: 40102315
- Tan CN, Yeo B, Vasanwala RF, et al. Vitamin D Deficiency and Clinical Outcomes in Critically Ill Pediatric Patients: A Systematic Review and Meta-Analysis. *J Endocr Soc*. 2025 Apr 2;9(5):bvaf053. <https://doi.org/10.1210/jendso/bvaf053>. eCollection 2025 May. PMID: 40242208
- Thia M, Lorrain S, Richard M, et al. Non-compliance with post-discharge vitamin D intake guidelines: an observational study in an overseas French maternity ward. *Arch Pediatr*. 2025 Jun 25:S0929-693X(25)00102-2. <https://doi.org/10.1016/j.arcped.2025.04.005>. Online ahead of print. PMID: 40571528
- Tran TAT, Dien TM, Nguyen NL, et al. Phenotypes and Genotypes of Children with Vitamin D-Dependent Rickets Type 1A: A Single Tertiary Pediatric Center in Vietnam. *Diagnostics (Basel)*. 2025 Apr 2;15(7):918. <https://doi.org/10.3390/diagnostics15070918>. PMID: 40218268
- Tung KTS, So HK, Chen C, et al. Vitamin D status and its determinants among Chinese infants and toddlers in Hong Kong. *Eur J Nutr*. 2025 Jun 11;64(5):220. <https://doi.org/10.1007/s00394-025-03691-0>. PMID: 40498322
- Turgeon O'Brien H, Gagné D, Blanchet R, et al. Prevalence and determinants of insufficient vitamin D status in young Canadian Inuit children from Nunavik. *Nutr Health*. 2025 Jun;31(2):649-658. <https://doi.org/10.1177/02601060231207664>. Epub 2024 Jan 31. PMID: 38295364
- Vrignaud M, Provôt S, Aubin F, et al. Description of the use of Vitamin D in children aged 0-18 months. *Arch Pediatr*. 2025 Jun 3:S0929-693X(25)00054-5. <https://doi.org/10.1016/j.arcped.2025.01.006>. Online ahead of print. PMID: 40467358
- Wang S, Wang M, Yu X, et al. Nonlinear relationship between vitamin D status on admission and bronchopulmonary dysplasia in preterm infants. *Pediatr Res*. 2025 May;97(6):2074-2081. <https://doi.org/10.1038/s41390-024-03621-6>. Epub 2024 Oct 9. PMID: 39379632
- Wang W, Wang Z, Sun H, et al. Association of physical activity and screen time with vitamin D status among children with disabilities. *Front Pediatr*. 2025 May 30;13:1558685. <https://doi.org/10.3389/fped.2025.1558685>. eCollection 2025. PMID: 40519553
- Wu M, Zhao M, Jin X, et al. Vitamin D-related risk factors for preterm and full-term infants at birth: a retrospective study. *BMC Pediatr*. 2025 May 24;25(1):417. <https://doi.org/10.1186/s12887-025-05765-8>. PMID: 40413415
- Xiao Y, Wu J, Wang J, et al. Correlation between orthostatic intolerance in children and levels of ACE2-Ang(1-7)-Mas axis and vitamin D. *Front Pediatr*. 2025 May 16;13:1585032. <https://doi.org/10.3389/fped.2025.1585032>. eCollection 2025. PMID: 40453223
- Zou Y, Huang LC, Zhao D, et al. Vitamin D nutritional status and the influencing factors among children and adolescents. *Front Public Health*. 2025 Jun 11;13:1553077. <https://doi.org/10.3389/fpubh.2025.1553077>. eCollection 2025. PMID: 40567962

PNEUMOLOGIA

- Alansari K, Davidson BL, Holick MF. A randomized comparison of intramuscular high-dose versus oral maintenance vitamin D to prevent severe exacerbations in deficient/insufficient asthmatic children. *J Allergy Clin Immunol Glob*. 2025 May 21;4(3):100497. <https://doi.org/10.1016/j.jacig.2025.100497>. eCollection 2025 Aug. PMID: 40529482
- Archontogeorgis K, Voulgaris A, Chadia K, et al. Effect of CPAP therapy on vitamin D status in patients with obstructive sleep apnea and chronic obstructive pulmonary disease overlap syndrome. *Sleep Breath*. 2025 Apr 17;29(2):162. <https://doi.org/10.1007/s11325-025-03324-0>. PMID: 40244336
- Bluher AE, Vazifedan T, Baldassari CM. Vitamin D Deficiency With Pediatric Obstructive Sleep Apnea-Reply. *JAMA Otolaryngol Head Neck Surg*. 2025 May 1;151(5):531-532. <https://doi.org/10.1001/jamaoto.2025.0007>. PMID: 40048158
- Bouloukaki I, Christodoulakis A, Tsiligianni I. Vitamin D deficiency and its potential associations on the health status of older patients with chronic obstructive pulmonary disease in rural Crete, Greece: A cross-sectional study. *Clin Nutr ESPEN*. 2025 Jun;67:665-672. <https://doi.org/10.1016/j.clnesp.2025.04.013>. Epub 2025 Apr 24. PMID: 40287065
- Clerico JW, Thams L, Stounbjerg NG, et al. Effects of vitamin D supplementation on acute respiratory tract infections in 6-8-year-old children: a randomized clinical trial. *Eur J Nutr*. 2025 May 1;64(4):170. <https://doi.org/10.1007/s00394-025-03674-1>. PMID: 40310565
- Cobb C, Alvarez JA, Hunt WR, et al. Vitamin D status in young adults with cystic fibrosis on highly effective CFTR modulator therapy. *J Steroid Biochem Mol Biol*. 2025 Jun 6;253:106810. <https://doi.org/10.1016/j.jsbmb.2025.106810>.

Online ahead of print. PMID: 40484046

- Cookson MW, Gonzalez T, Bye EM, et al. Intraamniotic vitamin D preserves lung development and prevents pulmonary hypertension in experimental bronchopulmonary dysplasia due to intraamniotic sFlt-1. *Am J Physiol Lung Cell Mol Physiol*. 2025 Apr 1;328(4):L603-L615. <https://doi.org/10.1152/ajplung.00409.2024>. Epub 2025 Mar 24. PMID: 40125892
- Devulapalli CS. Vitamin D supplements reduce risk of viral upper respiratory infections in children with lower concentrations. *Acta Paediatr*. 2025 May;114(5):816-822. <https://doi.org/10.1111/apa.17567>. Epub 2024 Dec 27. PMID: 39727150
- Gallagher C. Vitamin D and acute respiratory infections: a definitive answer? *Lancet Diabetes Endocrinol*. 2025 Apr;13(4):267-268. [https://doi.org/10.1016/S2213-8587\(24\)00398-X](https://doi.org/10.1016/S2213-8587(24)00398-X). Epub 2025 Feb 21. PMID: 39993396
- Gold DR, Carey VJ, Hersh CP, et al. Vitamin D Supplementation, Chronic Obstructive Lung Disease and Asthma Exacerbations, and Lung Function Decline. *J Nutr*. 2025 May;155(5):1417-1428. <https://doi.org/10.1016/j.tjnut.2025.02.003>. Epub 2025 Feb 6. PMID: 39922497
- Hermann M, Posluszny J, Gerger G, et al. Serial Changes in Vitamin D Status in Patients During Severe Acute Respiratory Distress Syndrome and Extracorporeal Membrane Oxygenation. *Medicina (Kaunas)*. 2025 May 16;61(5):901. <https://doi.org/10.3390/medicina61050901>. PMID: 40428859
- Jha RS. Achieving clinical remission in asthma with mepolizumab: a subanalysis on vitamin D as a predictor of response. *J Asthma*. 2025 Apr;62(4):549-553. <https://doi.org/10.1080/02770903.2024.2419435>. Epub 2024 Nov 1. PMID: 39432687
- Jiang M, Zhang Y, Liu T, et al. Circulating miRNAs and childhood asthma ICS response: a stratified analysis in the intervention arm of an RCT with vitamin D effect modification. *Thorax*. 2025 Jun 4;thorax-2024-222618. <https://doi.org/10.1136/thorax-2024-222618>. Online ahead of print. PMID: 40467329
- Jolliffe DA, Camargo CA Jr, Sluyter JD, et al. Vitamin D supplementation to prevent acute respiratory infections: systematic

review and meta-analysis of stratified aggregate data. *Lancet Diabetes Endocrinol*. 2025 Apr;13(4):307-320. [https://doi.org/10.1016/S2213-8587\(24\)00348-6](https://doi.org/10.1016/S2213-8587(24)00348-6). Epub 2025 Feb 21. PMID: 39993397

- Krasowski R, Kamińska K, Glodek K, et al. The therapeutic potential of vitamin D supplementation in asthma. *Pharmacol Rep*. 2025 May 20. <https://doi.org/10.1007/s43440-025-00734-5>. Online ahead of print. PMID: 40392518
- Pandey A, Kajal, Mishra S. Vitamin D and Influenza: Immunological Insights and Therapeutic Potential for Respiratory Health. *Nutr Rev*. 2025 Jun 18;nuaf086. <https://doi.org/10.1093/nutrit/nuaf086>. Online ahead of print. PMID: 40577091
- Rebele T, Hawes C, Johnson S, et al. Effect of vitamin D supplementation on incidence of bronchopulmonary dysplasia among preterm infants up to 36 weeks' gestational age. *Nutr Clin Pract*. 2025 May 28. <https://doi.org/10.1002/ncp.11323>. Online ahead of print. PMID: 40436817
- Reyes-Apodaca M, Lezana-Fernández JL, Vázquez Frias R, et al. Persistent Vitamin D Deficiency in Pediatric Patients with Cystic Fibrosis. *Nutrients*. 2025 May 31;17(11):1890. <https://doi.org/10.3390/nu17111890>. PMID: 40507160
- Rus LA, Popescu RO, Borta SM, et al. Lower Vitamin D During Acute Exacerbation Is Associated with Very Severe Chronic Obstructive Pulmonary Disease. *Medicina (Kaunas)*. 2025 May 26;61(6):979. <https://doi.org/10.3390/medicina61060979>. PMID: 40572667
- Vázquez-Lorente H, Herrera-Quintana L, Ruiz JR, et al. Impact of weight loss and lifestyle intervention on vitamin D in men with obstructive sleep apnea: The INTERAPNEA trial. *Sleep Med*. 2025 Apr;128:37-45. <https://doi.org/10.1016/j.sleep.2025.01.011>. Epub 2025 Jan 21. PMID: 40023509
- Wang H, Qiao C, Wang C. Vitamin D Deficiency With Pediatric Obstructive Sleep Apnea. *JAMA Otolaryngol Head Neck Surg*. 2025 May 1;151(5):531. <https://doi.org/10.1001/jamaoto.2025.0004>. PMID: 40048181
- Wang SC, Shih HY, He JL, et al. Impact of Vitamin D Receptor Genotypes on Taiwan Asthma Risk. *In Vivo*. 2025 Jul-Aug;39(4):1852-1863. <https://doi.org/10.21873/in vivo.13985>. PMID: 40579017

[org/10.21873/in vivo.13985](https://doi.org/10.21873/in vivo.13985). PMID: 40579017

PSICHIATRIA

- Avram OE, Bratu EA, Curis C, et al. Modifiable Nutritional Biomarkers in Autism Spectrum Disorder: A Systematic Review and Meta-Analysis of Vitamin D, B(12), and Homocysteine Exposure Spanning Prenatal Development Through Late Adolescence. *Int J Mol Sci*. 2025 May 6;26(9):4410. <https://doi.org/10.3390/ijms26094410>. PMID: 40362647
- Beheshti F, Goudarzi M, Kakhki S, et al. Vitamin D(3) administration ameliorates the anxiety and depressive-like behaviour induced by nicotine withdrawal: a mechanistic focus on oxidative stress, inflammatory response, and serotonergic transmission. *Arch Physiol Biochem*. 2025 Apr 8;1-10. <https://doi.org/10.1080/13813455.2025.2483508>. Online ahead of print. PMID: 40198132
- Dionisie V, Gaman MA, Anghele C, et al. Vitamin D and depression in adults: A systematic review. *Biomol Biomed*. 2025 Apr 30. <https://doi.org/10.17305/bb.2025.12331>. Online ahead of print. PMID: 40322928
- Eckert I, de Mattos BP. Vitamin D does not reduce depressive symptoms on primary depression: Critical appraisal and re-analysis of Wang et al. *J Affect Disord*. 2025 Jun 1;378:36-38. <https://doi.org/10.1016/j.jad.2025.02.086>. Epub 2025 Feb 25. PMID: 40015647
- Gamache I, Belbellaj W, Jumentier B, et al. Vitamin D status in newborns and long-term neuropsychiatric outcomes. *Lancet Psychiatry*. 2025 Jun;12(6):396-397. [https://doi.org/10.1016/S2215-0366\(25\)00130-0](https://doi.org/10.1016/S2215-0366(25)00130-0). PMID: 40379357
- Horsdal HT, Albiñana C, Zhu Z, et al. Convergent evidence linking neonatal vitamin D status and risk of neurodevelopmental disorders: a Danish case-cohort study. *Lancet Psychiatry*. 2025 Jun;12(6):410-420. [https://doi.org/10.1016/S2215-0366\(25\)00099-9](https://doi.org/10.1016/S2215-0366(25)00099-9). PMID: 40379361
- Huang C, Xu J, Qiu H, et al. Association of vitamin D with depression prevalence in U.S. adults: a cross-sectional analysis from NHANES 2011 to 2023. *Front Nutr*. 2025 May 27;12:1545443. <https://doi.org/10.3389/fnut.2025.1545443>. eCollection 2025. PMID: 40497025

- Ihln M, Poltoradnev D, Rodriguez M, et al. The relationship between 25-hydroxy vitamin D serum level and memory in patients with a first episode of schizophrenia spectrum disorder. *Neuropsychobiology*. 2025 May 26;1-16. <https://doi.org/10.1159/000545815>. Online ahead of print. PMID: 40418916
- Rahman M, Noman AA, Saba AA, et al. Genetic Variants Within ND2 Gene of Mitochondria are Associated with the Altered Levels of Ammonia, Vitamin D and Free Thyroxine in Bangladeshi Children with Autism Spectrum Disorder. *Biochem Genet*. 2025 Jun 1. <https://doi.org/10.1007/s10528-025-11137-9>. Online ahead of print. PMID: 40450641
- Roşian A, Zdrîncă M, Dobjanschi L, et al. The Role of Vitamin D in the Management of Major Depressive Disorder: A Systematic Review. *Pharmaceuticals (Basel)*. 2025 May 25;18(6):792. <https://doi.org/10.3390/ph18060792>. PMID: 40573189
- Sabião TDS, Menezes-Júnior LAA, Batista AP, et al. Exploring the interaction between vitamin D pathway gene polymorphisms, vitamin D status, and depression: A population-based study. *Nutrition*. 2025 Sep;137:112802. <https://doi.org/10.1016/j.nut.2025.112802>. Epub 2025 Apr 12. PMID: 40398311
- Sevda P, Kathiresan P, Nebhinani N, et al. Association of Sexual Dysfunction, Vitamin D, and Thyroid Levels with Suicidal Behavior Among Patients with Depressive Disorder: A Cross-sectional Study. *Indian J Psychol Med*. 2025 Jun 1;02537176251339764. <https://doi.org/10.1177/02537176251339764>. Online ahead of print. PMID: 40469258
- Zhang F, Tang T, Liu J, et al. Calcium and vitamin D supplements and burnout in anesthesiologists: A national cross-sectional study from China. *Int J Psychiatry Med*. 2025 May;60(3):296-312. <https://doi.org/10.1177/00912174241262120>. Epub 2024 Jun 21. PMID: 38904249
- Alghadir AH, Gabr SA, Iqbal A. Concurrent effects of high-intensity interval training and vitamin D supplementation on bone metabolism among women diagnosed with osteoporosis: a randomized controlled trial. *BMC Musculoskelet Disord*. 2025 Apr 21;26(1):381. <https://doi.org/10.1186/s12891-025-08275-x>. PMID: 40259289
- Brieger LC, Przygodda S, Bohlen AV, et al. Growth dynamics of transversal body dimensions and proportions, with related clinical determinants in children with X-linked hypophosphatemia treated with phosphate supplements and active vitamin D. *Pediatr Nephrol*. 2025 Jun 10. <https://doi.org/10.1007/s00467-025-06841-y>. Online ahead of print. PMID: 40493262
- Brook CB. Letter to the Editor in Response to: 25-OH Vitamin D Deficiency Does Not Significantly Predispose Young Children to Multiple Fractures From Minimal Trauma. *J Pediatr Surg*. 2025 Apr 24;162336. <https://doi.org/10.1016/j.jpedsurg.2025.162336>. Online ahead of print. PMID: 40286871
- Cappola AR, Abraham DS, Kroopnick JM, et al. Sex-specific associations of vitamin D and bone biomarkers with bone density and physical function during recovery from hip fracture: the Baltimore Hip Studies. *Osteoporos Int*. 2025 May;36(5):855-863. <https://doi.org/10.1007/s00198-025-07446-9>. Epub 2025 Mar 20. PMID: 40111479
- Cazzolla AP, Brescia V, Lovero R, et al. Evaluation of Vitamin D and of Some Biomarkers of Bone Remodelling (CTX-1, Osteocalcin, BALP) in Subjects with Periapical Inflammatory Cysts: An Observational Study. *J Clin Med*. 2025 May 26;14(11):3712. <https://doi.org/10.3390/jcm14113712>. PMID: 40507474
- Chakraborty D, Joshi L, Agnihotri P, et al. Unlocking the potential of Bavachin in vitamin D receptor cascade modulation for rheumatoid arthritis. *Mol Biol Rep*. 2025 Apr 26;52(1):429. <https://doi.org/10.1007/s11033-025-10530-2>. PMID: 40285969
- Chakraborty S, Rahaman M, Dey P, et al. A Cross-sectional Study for the Correlation of Vitamin D Level and Severity of Early Rheumatoid Arthritis. *Ann Afr Med*. 2025 Apr 1;24(2):298-303. https://doi.org/10.4103/aam.aam_205_24. Epub 2025 Feb 21. PMID: 39981863
- Cui L, Zhou J, Qin Y, et al. A study on the correlation between preoperative vitamin D levels and postoperative pain and quality of life in middle-aged and young patients with lumbar degenerative diseases. *Pak J Pharm Sci*. 2025 May-Jun;38(3):795-801. PMID: 40556285
- Cutrim AMV, Araújo MM, Botelho PB. Osteosarcopenic Adiposity and Vitamin D Status: A Comprehensive Review of the Current Evidence. *Nutr Rev*. 2025 Jun 26;nuaf084. <https://doi.org/10.1093/nutrit/nuaf084>. Online ahead of print. PMID: 40569654
- Dai X, Liu C, Bi W, et al. Estradiol and vitamin D exert a synergistic effect on preventing osteoporosis via the miR-351-5p/IRS1 axis and mTOR/NFκB signaling pathway. *Sci Rep*. 2025 May 28;15(1):18678. <https://doi.org/10.1038/s41598-025-02808-z>. PMID: 40436926
- de Carvalho JF. Henoch-Schonlein purpura successfully treated with a milk-free diet, vitamin D and C: First description. *North Clin Istanbul*. 2025 Apr 28;12(2):266-267. <https://doi.org/10.14744/nci.2024.31799>. eCollection 2025. PMID: 40330528
- Dos Santos Santinoni C, Novaes WF, Caldeira ML, et al. Influence of systemic vitamin D administration and local photobiomodulation on bone repair: Histomorphometric, histochemical, and immunohistochemical study in rat calvaria. *Tissue Cell*. 2025 Aug;95:102814. <https://doi.org/10.1016/j.tice.2025.102814>. Epub 2025 Feb 25. PMID: 40048829
- Dyba G, Capoot C, Becher N, et al. 25-OH Vitamin D Deficiency Does Not Significantly Predispose Young Children to Multiple Fractures From Minimal Trauma. *J Pediatr Surg*. 2025 Jun;60(6):162281. <https://doi.org/10.1016/j.jpedsurg.2025.162281>. Epub 2025 Mar 19. PMID: 40118169
- Eggimann AK, de Godoi Rezende Costa Molino C, Freystaetter G, et al. Effect of vitamin D, omega-3 supplementation, or a home exercise program on muscle mass and sarcopenia: DO-HEALTH trial. *J Am Geriatr Soc*. 2025 Apr;73(4):1049-1059. <https://doi.org/10.1111/jgs.19266>. Epub 2024 Nov 20. PMID: 39565152
- Elmorsy EM, Al-Ghafari AB, Al Doghaither HA, et al. Vitamin D Alleviates Heavy Metal-Induced Cytotoxic Effects on Human Bone Osteoblasts Via the Induction of Bio-

REUMATOLOGIA

- energetic Disruption, Oxidative Stress, and Apoptosis. *Biol Trace Elem Res.* 2025 Apr;203(4):2420-2434. <https://doi.org/10.1007/s12011-024-04337-8>. Epub 2024 Sep 5. PMID: 39235540
- Fang X, Zhang J, Zhang Z, et al. Association between Vitamin D and mortality risk in gout patients. *J Public Health (Oxf).* 2025 May 29;47(2):123-131. <https://doi.org/10.1093/pubmed/fdaf010>. PMID: 40057967
- Feuchtenberger M, Kovacs MS, Nigg A, et al. Vitamin D Levels in Patients Presenting to a Rheumatology Clinic in Germany: Associations with Patient Characteristics and Season. *Nutrients.* 2025 May 31;17(11):1893. <https://doi.org/10.3390/nu17111893>. PMID: 40507162
- Florenzano P, Imel EA, Khan AA, et al. Real-World Effectiveness of Burosumab Versus Oral Phosphate and Active Vitamin D in Adults With X-Linked Hypophosphatemia. *J Bone Miner Res.* 2025 May 2;:zjaf063. <https://doi.org/10.1093/jbmr/zjaf063>. Online ahead of print. PMID: 40314226
- Fujita S, Lankila H, Koivunen K, et al. Vitamin D sufficiency and its relationship with muscle health across the menopausal transition and aging: Finnish cohorts of middle-aged women and older women and men. *Eur J Clin Nutr.* 2025 Apr 2. <https://doi.org/10.1038/s41430-025-01610-4>. Online ahead of print. PMID: 40175705
- Gerçeker Demircan S. The Overlooked Role of Vitamin D in HLA-B27 Associated Uveitis Beyond Seasonal Variations. *Clin Exp Ophthalmol.* 2025 Jun 1. <https://doi.org/10.1111/ceo.14563>. Online ahead of print. PMID: 40451626
- Ghotbi E, Hathaway QA, Hadidchi R, et al. Mild to moderate COPD, vitamin D deficiency, and longitudinal bone loss: the Multi-ethnic Study of Atherosclerosis. *Bone.* 2025 May 29;199:117550. <https://doi.org/10.1016/j.bone.2025.117550>. Online ahead of print. PMID: 40449861
- Han Y, Han X, Zhao H, et al. The exploration of the relationship between hyperuricemia, gout and vitamin D deficiency. *J Nutr Biochem.* 2025 Apr;138:109848. <https://doi.org/10.1016/j.jnutbio.2025.109848>. Epub 2025 Jan 23. PMID: 39863084
- Hao Y, Sun J, Fu J, et al. Synergistic effects of Xianlinggubao, vitamin D and alendronate sodium on pain relief, bone metabolism and prosthesis stability in post-hip arthroplasty patients. *Pak J Pharm Sci.* 2025 MayJun;38(3):885-892. PMID: 40556294
- Hin H, Tomson J, Newman C, et al. Correction: Optimum dose of vitamin D for disease prevention in older people: BEST-D trial of vitamin D in primary care. *Osteoporos Int.* 2025 May 19. <https://doi.org/10.1007/s00198-025-07522-0>. Online ahead of print. PMID: 40387896
- Ho CN, Kao CL, Hung KC, et al. Impact of Vitamin D Deficiency on Short- and Long-Term Mortality in Patients Receiving Hip Fracture Surgery Under General Anesthesia: A Matched Cohort Study. *J Arthroplasty.* 2025 May 6:S0883-5403(25)00473-5. <https://doi.org/10.1016/j.arth.2025.04.080>. Online ahead of print. PMID: 40339941
- Kashevarova NG, Alekseeva LI, Taskina EA, et al. [Relationship between vitamin D and osteoarthritis]. *Ter Arkh.* 2025 Jun 8;97(5):434-442. <https://doi.org/10.26442/00403660.2025.05.203228>. PMID: 40561487
- Kawahara T, Inazu T, Mizuno S, et al. Anti-sarcopenic effects of active vitamin D through modulation of anabolic and catabolic signaling pathways in human skeletal muscle: A randomized controlled trial. *Metabolism.* 2025 Jul;168:156240. <https://doi.org/10.1016/j.metabol.2025.156240>. Epub 2025 Mar 28. PMID: 40158795
- Kawahara T, Inazu T, Suzuki G. The role of active vitamin D in preventing sarcopenia-Authors' reply. *Metabolism.* 2025 May 6:156293. <https://doi.org/10.1016/j.metabol.2025.156293>. Online ahead of print. PMID: 40340018
- Khan Z, Swati MAA, Zeb S, et al. Assessing the Predictive Value of Serum Vitamin D Levels for Hip Fracture Risk in Older Adults and Identifying Associated Risk Factors. *Cureus.* 2025 Apr 19;17(4):e82603. <https://doi.org/10.7759/cureus.82603>. eCollection 2025 Apr. PMID: 40265109
- Koyuncu H, Oflu AT, Soyugüzel A, et al. Prevalence of Vitamin D Deficiency in Children and the Relationship of Vitamin D Levels With Allergic and Rheumatological Diseases. *J Pediatr Health Care.* 2025 May 22:S0891-5245(25)00127-0. <https://doi.org/10.1016/j.pedhc.2025.04.007>. Online ahead of print. PMID: 40407764
- Lai Z, Jin F, Zhu C, et al. No independent association between dietary calcium/vitamin D and appendicular lean mass index in middle-aged women: NHANES cross-sectional analysis (2011-2018). *Sci Rep.* 2025 May 19;15(1):17290. <https://doi.org/10.1038/s41598-025-02505-x>. PMID: 40389590
- Liao M, Zhu Y, Cui Q, et al. Intestinal Butyrate Ameliorates Rheumatoid Arthritis Through Promoting the Expression of Cortistatin in Ileum via HDAC3-Vitamin D Receptor Pathway. *Immunology.* 2025 Jul;175(3):373-390. <https://doi.org/10.1111/imm.13939>. Epub 2025 Apr 30. PMID: 40304573
- Liu L, Sun C, Huang B, et al. Potential causal association between serum vitamin D levels and intervertebral disc degeneration: A mendelian randomization study. *J Orthop Sci.* 2025 May;30(3):433-439. <https://doi.org/10.1016/j.jos.2024.07.001>. Epub 2024 Jul 20. PMID: 39034208
- Li X, Wang B, Wang X, et al. Vitamin D deficiency promotes intervertebral disc degeneration via p38/NCoR2-mediated extracellular matrix degradation. *Eur J Nutr.* 2025 Apr 24;64(4):163. <https://doi.org/10.1007/s00394-025-03685-y>. PMID: 40274653
- Lodefalk M, Nilsson O. Persistent Hyperparathyroidism in Vitamin D-Dependent Rickets Type 2A Does Not Prevent Normalization of Hypophosphatemia or Healing of the Rickets. *Horm Res Paediatr.* 2025 May 16:1-10. <https://doi.org/10.1159/000546444>. Online ahead of print. PMID: 40383122
- Luo X, Liu J, Wang L. Reconsidering the role of active vitamin D in preventing sarcopenia: Letter to the editor. *Metabolism.* 2025 May 7:156274. <https://doi.org/10.1016/j.metabol.2025.156274>. Online ahead of print. PMID: 40345435
- Maai N, Frank FA, Meuris A, et al. Association Between Vitamin D and Musculoskeletal Injuries: A Systematic Review. *Cureus.* 2025 Apr 18;17(4):e82495. <https://doi.org/10.7759/cureus.82495>. eCollection 2025 Apr. PMID: 40385928
- Moon RJ, D'Angelo S, Curtis EM, et al.

- Pregnancy vitamin D supplementation and bone mineral density of the mother: a post hoc analysis of the MAVIDOS randomised placebo-controlled trial. *Osteoporos Int*. 2025 Jun 23. <https://doi.org/10.1007/s00198-025-07568-0>. Online ahead of print. PMID: 40549003
- O'Leary TJ, Izard RM, Jackson S, et al. Vitamin D and tibial bone density, geometry, and microarchitecture in male military recruits: an observational study and randomized controlled trial. *J Bone Miner Res*. 2025 Jun 25;40(7):847-859. <https://doi.org/10.1093/jbmr/zjaf064>. PMID: 40324208
 - Pickering ME, Souberbielle JC, Boutten A, et al. Daily or intermittent vitamin D supplementation in patients with or at risk of osteoporosis: Position statement from the GRIO. *Joint Bone Spine*. 2025 May;92(3):105858. <https://doi.org/10.1016/j.jbspin.2025.105858>. Epub 2025 Feb 18. PMID: 39978583
 - Ren J, Ji Q. Osteitis Fibrosa Cystica of the Skull Caused by Vitamin D Deficiency. *Radiology*. 2025 Jun;315(3):e241923. <https://doi.org/10.1148/radiol.241923>. PMID: 40459418
 - Rigante D, Manna R, Candelli M. Exploring the significance of vitamin D insufficiency in the periodic fever, aphthous stomatitis, pharyngitis, and cervical adenitis (PFAPA) syndrome: a single-center retrospective assessment during the decade 2014-2024. *Intern Emerg Med*. 2025 Jun 13. <https://doi.org/10.1007/s11739-025-03999-z>. Online ahead of print. PMID: 40514613
 - Rillaerts K, Verlinden L, Doms S, et al. A comprehensive perspective on the role of vitamin D signaling in maintaining bone homeostasis: Lessons from animal models. *J Steroid Biochem Mol Biol*. 2025 Jun;250:106732. <https://doi.org/10.1016/j.jsbmb.2025.106732>. Epub 2025 Mar 22. PMID: 40122304
 - Roush K. News Brief: Vitamin D supplementation should not be used for primary prevention of fractures. *Am J Nurs*. 2025 Apr 1;125(4):15. <https://doi.org/10.1097/01.NAJ.0001110512.54653.2b>. Epub 2025 Mar 27. PMID: 40140030
 - Saija C, Bertuccio MP, Currò M, et al. Influence of vitamin D status on the variability of collagen I C-telopeptide in pre- and post-menopausal healthy women. *J Clin Biochem Nutr*. 2025 May;76(3):311-316. <https://doi.org/10.3164/jcbn.24-146>. Epub 2025 Feb 8. PMID: 40510383
 - Samalia PD, Brodie J, Sims JL, et al. The Overlooked Role of Vitamin D in HLA-B27 Associated Uveitis Beyond Seasonal Variations: Response. *Clin Exp Ophthalmol*. 2025 Jun 16. <https://doi.org/10.1111/ceo.14572>. Online ahead of print. PMID: 40518841
 - Vesely BD, Kipp J, Russell G, et al. Patients With a History of Vitamin D Deficiency Are Not at Increased Risk of Delayed Union Following First Metatarsophalangeal Joint Arthrodesis After Preoperative Optimization. *J Am Podiatr Med Assoc*. 2025 May;Jun;115(3):24-016. <https://doi.org/10.7547/24-016>. PMID: 40569841
 - Vidal M, Lane NE. Vitamin D and Its Role in Rheumatic Diseases. *Metabolites*. 2025 Apr 9;15(4):259. <https://doi.org/10.3390/metabo15040259>. PMID: 40278388
 - Wang JJ, Quak GS, Lee HB, et al. The Role of Vitamin D Supplementation in Enhancing Muscle Strength Post-Surgery: A Systemic Review. *Nutrients*. 2025 Apr 29;17(9):1512. <https://doi.org/10.3390/nu17091512>. PMID: 40362819
 - Wang XZ, Lu Y, Ding DF, et al. [Vitamin D and bone metabolism characteristics in knee osteoarthritis with osteoporosis patients]. *Zhongguo Gu Shang*. 2025 Apr 25;38(4):352-7. <https://doi.org/10.12200/j.issn.1003-0034.20240743>. PMID: 40296595
 - Ward LM, Imel EA, Frumberg D, et al. Switching From Active Vitamin d and Phosphate Supplementation to Burosumab Significantly Corrects Lower Limb Malalignment in Pediatric X-Linked Hypophosphatemia. *J Bone Miner Res*. 2025 Jun 13;:zjaf079. <https://doi.org/10.1093/jbmr/zjaf079>. Online ahead of print. PMID: 40511857
 - Yalçinkaya B, Abacıoğlu HB, Çolak AF, et al. Rethinking sunlight: balancing the benefits of sun exposure and vitamin D supplementation. *Osteoporos Int*. 2025 Apr;36(4):755-756. <https://doi.org/10.1007/s00198-025-07420-5>. Epub 2025 Feb 7. PMID: 39915334
 - Yeum KJ, Ju S, Choe U. Strategies for preventing bone loss in populations with insufficient calcium and vitamin D intake. *Nutr Res Pract*. 2025 Apr;19(2):155-169. <https://doi.org/10.4162/nrp.2025.19.2.155>. Epub 2025 Mar 13. PMID: 40226767
 - Yildiz B, Algul FE, Yesilada E. Associations Between Vitamin D Receptor Gene Polymorphisms and Carpal Tunnel Syndrome. *Niger J Clin Pract*. 2025 Jun 1;28(6):716-720. https://doi.org/10.4103/njcp.njcp_774_24. Epub 2025 Jun 25. PMID: 40556084
 - Zang K, Bhatia R, Xue E, et al. Vitamin D as a Modifiable Risk Factor for Juvenile Idiopathic Arthritis: A Systematic Review and Meta-analysis of Observational Studies Comparing Baseline Vitamin D in Children with JIA to Individuals Without. *Nutr Rev*. 2025 Jul 1;83(7):e1362-e1371. <https://doi.org/10.1093/nutrit/nuae148>. PMID: 39460536