# **BIBLIOGRAPHIC SELECTION**

VITAMIN D UpDates 2020;3(1):16-37

# **CARDIOLOGY**

- Barbarawi M, et al. Beneficial Effects of Sunlight May Account for the Correlation Between Serum Vitamin D Levels and Cardiovascular Health-Reply. JAMA Cardiol 2019. PMID 31721976
- Bauer P, et al. Elite athletes as research model: vitamin D insufficiency associates with elevated central blood pressure in professional handball athletes. Eur J Appl Physiol 2019. PMID 31428859
- Blondon M, et al. Thrombin generation and fibrin clot structure after vitamin D supplementation. Endocr Connect 2019. PMID 31614338
- Bouillon R. Vitamin D and cardiovascular disorders. Osteoporos Int 2019 - Review. PMID 31402402
- Cha JJ and Wi J. Association of Vitamin D Deficiency with Profound Cardiogenic Shock In Patients Resuscitated from Sudden Cardiac Arrest, Shock 2019, PMID 31490356
- Cheru LT, et al. Low vitamin D is associated with coronary atherosclerosis in women with HIV. Antivir Ther 2019. PMID 31742564
- Cubbon RM, et al. Vitamin D deficiency is an independent predictor of mortality in patients with chronic heart failure. Eur J Nutr 2019. PMID 30121806
- Cui C, et al. Vitamin D receptor activation regulates microglia polarization and oxidative stress in spontaneously hypertensive rats and angiotensin Il-exposed microglial cells: Role of renin-angiotensin system. Redox Biol 2019. PMID 31421410
- Derakhshanian H, et al. Vitamin D downregulates key genes of diabetes complications in cardiomyocyte. J Cell Physiol 2019. PMID 31173353
- Djoussé L, et al. Supplementation with Vitamin D and/or Omega-3 Fatty Acids and Incidence of Heart Failure Hospitalization: VITAL-Heart Failure. Circulation 2019. PMID 31709816

- Dogdus M, et al. Cardiac autonomic dysfunctions are recovered with vitamin D replacement in apparently healthy individuals with vitamin D deficiency. Ann Noninvasive Electrocardiol 2019. PMD 31339201
- Farrell SW, et al. Cardiorespiratory fitness, different measures of adiposity, and serum vitamin D levels in African-American adults. J Investig Med 2019. PMID 31371389
- Fonseca Valle D and Giannini DT. Correlation between vitamin D and blood pressure in adolescents. Int J Adolesc Med Health 2019. PMID 31562802
- Grove-Laugesen D, et al. Effect of 9 months of vitamin D supplementation on arterial stiffness and blood pressure in Graves' disease: a randomized clinical trial. Endocrine 2019. PMID 31280470
- Kalayci B, et al. Effect of Vitamin D and parathyroid hormone levels on the coronary slow-flow phenomenon. Niger J Clin Pract 2019 Clinical Trial. PMID 31489854
- Kara H and Yasim A. Effects of high-dose vitamin D supplementation on the occurrence of post-operative atrial fibrillation after coronary artery bypass grafting: randomized controlled trial. Gen Thorac Cardiovasc Surg 2019. PMID 31559589
- Keskin Ü and Basat S. The effect of vitamin D levels on gastrointestinal bleeding in patients with warfarin therapy. Blood Coagul Fibrinolysis 2019. PMID 31415247
- Kiani A, et al. Vitamin D-binding protein and vitamin D receptor genotypes and 25-hydroxyvitamin D levels are associated with development of aortic and mitral valve calcification and coronary artery diseases. Mol Biol Rep 2019. PMID 31359379
- Krishna SM. Vitamin D as A Protector of Arterial Health: Potential Role in Peripheral Arterial Disease Formation. Int J Mol Sci 2019 Review. PMID 31623356
- Laird EJ, et al. Vitamin D Status Is Not Associated With Orthostatic Hypotension in Older Adults. Hypertension 2019. PMID 31327261

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- Lee TW, et al. Therapeutic potential of vitamin D in AGE/RAGE-related cardiovascular diseases. Cell Mol Life Sci 2019 Review. PMID 31250032
- Lim GB. Vitamin D supplementation and CVD. Nat Rev Cardiol 2019. PMID 31273304
- Liu X, et al. The relationship between vitamin D and risk of atrial fibrillation: a dose-response analysis of observational studies. Nutr J 2019 - Review. PMID 31727055
- Mahmoud AM, et al. Vitamin D Improves Nitric Oxide-Dependent Vasodilation in Adipose Tissue Arterioles from Bariatric Surgery Patients. Nutrients 2019. PMID 31635396
- Mohammad S, et al. Emerging Role of Vitamin D and its Associated Molecules in Pathways Related to Pathogenesis of Thrombosis. Biomolecules 2019 Review. PMID 31653092
- Nizami HL, et al. Vitamin D Deficiency in Rats Causes Cardiac Dysfunction by Inducing Myocardial Insulin Resistance. Mol Nutr Food Res 2019. PMID 31095894
- Orkaby AR, et al. Vitamin D supplements and prevention of cardiovascular disease. Curr Opin Cardiol 2019. PMID 31425172
- Paschou SA, et al. The Impact of Obesity on the Association between Vitamin D Deficiency and Cardiovascular Disease. Nutrients 2019. PMID 31615154
- Perge P, et al. Vitamin D Deficiency Predicts Poor Clinical Outcomes in Heart Failure Patients Undergoing Cardiac Resynchronization Therapy. Dis Markers 2019. PMID 31737126
- Peters KM and Borradaile NM. Microarray data and pathway analyses for human microvascular endothelial cells supplemented with low dose vitamin D or niacin during lipotoxicity. Data Brief 2019. PMID 31667254
- Playford MP, et al. Serum active 1,25(OH) (2)D, but not inactive 25(OH)D vitamin D levels are associated with cardiometabolic and cardiovascular disease risk in psoriasis. Atherosclerosis 2019. PMID 31450013
- Qian X, et al. Vitamin D attenuates myocardial ischemia-reperfusion injury by inhibiting

- inflammation via suppressing the RhoA/ROCK/NF-xB pathway. Biotechnol Appl Biochem 2019. PMID 31245891
- Rodríguez-Martín S, et al. Risk of Myocardial Infarction Among New Users of Calcium Supplements Alone or Combined With Vitamin D: A Population-Based Case-Control Study. Clin Pharmacol Ther 2019. PMID 31560413
- Roffe-Vazquez DN, et al. Correlation of Vitamin D with Inflammatory Cytokines, Atherosclerotic Parameters, and Lifestyle Factors in the Setting of Heart Failure: A 12-Month Follow-Up Study. Int J Mol Sci 2019. PMID 31752330
- Saponaro F, et al. Vitamin D status and cardiovascular outcome. J Endocrinol Invest 2019 - Review. PMID 31172459
- Talari HR, et al. Long-term vitamin D and high-dose n-3 fatty acids' supplementation improve markers of cardiometabolic risk in type 2 diabetic patients with CHD. Br J Nutr 2019. PMID 31481139
- Trevisan C, et al. Parathormone, vitamin D and the risk of atrial fibrillation in older adults: A prospective study. Nutr Metab Cardiovasc Dis 2019. PMID 31303477
- Verdoia M, et al. Vitamin D levels and platelet reactivity in diabetic patients receiving dual antiplatelet therapy. Vascul Pharmacol 2019. PMID 31176855
- Weller RB. Beneficial Effects of Sunlight May Account for the Correlation Between Serum Vitamin D Levels and Cardiovascular Health. JAWA Cardiol 2019. PMID 31721977
- Wolf ST and Kenney WL. The vitamin D-folate hypothesis in human vascular health.
   Am J Physiol Regul Integr Comp Physiol 2019. PMID 31314544 Free PMC article.
- Yu P, et al. Vitamin D (1,25-(OH)(2)D(3)) regulates the gene expression through competing endogenous RNAs networks in high glucose-treated endothelial progenitor cells. J Steroid Biochem Mol Biol 2019. PMID 31302220
- Zhu YB, et al. The association between vitamin D receptor gene polymorphism and susceptibility to hypertension: a meta-analysis.
   Eur Rev Med Pharmacol Sci 2019. PMID 31696497

 Zittermann A and Pilz S. Vitamin D and Cardiovascular Disease: An Update. Anticancer Res 2019 - Review. PMID 31519560

## **DERMATOLOGY**

- Acharya P and Mathur M. Vitamin D deficiency in patients with acne vulgaris: A systematic review and meta-analysis. Australas J Dermatol 2019. PMID 31578053
- Al-Amad SH and Hasan H. Vitamin D and hematinic deficiencies in patients with recurrent aphthous stomatitis. Clin Oral Investig 2019. PMID 31680206
- Alshiyab DM, et al. Assessment of Serum Vitamin D Levels in Patients with Vitiligo in Jordan: A Case-Control Study. Dermatol Res Pract 2019. PMID 31687010
- Bikle DD. Do sunscreens block vitamin D production? A critical review by an international panel of experts. Br J Dermatol 2019. PMID 31259384
- Chia-Han Yeh M, et al. Intralesional vitamin D(3) injection in the treatment of warts: A systematic review and meta-analysis. J Am Acad Dermatol 2019. PMID 31678326
- Cho YS, et al. Crosstalk among adipose tissue, vitamin D level, and biomechanical properties of hypertrophic burn scars. Burns 2019. PMID 31076207
- Daniluk U, et al. Association of antioxidants and vitamin D level with inflammation in children with atopic dermatitis. Int J Dermatol 2019. PMID 30964204
- Li J, et al. Pooling analysis regarding the impact of human vitamin D receptor variants on the odds of psoriasis. BMC Med Genet 2019. PMID 31623568
- Lin X, et al. Vitamin D and alopecia areata: possible roles in pathogenesis and potential implications for therapy. Am J Transl Res 2019 - Review. PMID 31632510
- Neale RE, et al. The effect of sunscreen on vitamin D: a review. Br J Dermatol 2019 -Review. PMID 30945275
- Ochoa-Ramírez LA, et al. Catalase but not vitamin D receptor gene polymorphisms are associated with nonsegmental vitiligo in Northwestern Mexicans. Int J Dermatol 2019. PMID 31120146

- Passeron T, et al. Sunscreen photoprotection and vitamin D status. Br J Dermatol 2019 -Review. PMID 31069788
- Robertson C, et al. Scope and limitations of nuclear magnetic resonance techniques for characterisation and quantitation of vitamin D in complex mixtures. Skin Res Technol 2019. PMID 31549460
- Seleit I, et al. Vitamin D Receptor Gene Polymorphism In Chronic Telogen Effluvium; A Case-Control Study. Clin Cosmet Investig Dermatol 2019. PMID 31632122
- Sonthalia S, et al. Intralesional vitamin D immunotherapy for recalcitrant molluscum contagiosum. Dermatol Ther 2019. PMID 31569284
- Wang LC, et al. Lower Vitamin D Levels in the Breast Milk is Associated with Atopic Dermatitis in Early Infancy. Pediatr Allergy Immunol 2019. PMID 31758588
- Wolf P. Vitamin D: one more argument for broad-spectrum ultraviolet A + ultraviolet B sunscreen protection. Br J Dermatol 2019. PMID 31674668
- Young AR, et al. Optimal sunscreen use, during a sun holiday with a very high ultraviolet index, allows vitamin D synthesis without sunburn. Br J Dermatol 2019. PMID 31069787
- Yuan FL, et al. The Effect of Vitamin D Deficiency on Hypertrophic Scarring. Dermatol Surg 2019. PMID 31584529

#### **EPIDEMIOLOGY**

- Afkhami-Ardekani O, et al. Prevalence and predictors of vitamin D insufficiency in adult population of yazd - The sun province in center of Iran. Diabetes Metab Syndr 2019. PMID 31425945
- Almesri N, et al. Gender-dependent association of vitamin D deficiency with obesity and hypercholesterolemia (LDLC) in adults. Endocr Metab Immune Disord Drug Targets 2019. PMID 31595858
- Anwar M, et al. The sunshine under our skin: public knowledge and practices about vitamin Ddeficiency in Al Ain, United Arab Emirates. Arch Osteoporos 2019. PMID 31758340
- · Azizi S and Taria TM. Vitamin D Deficien-

- cy Among Afghan Adolescents in Kabul. J Coll Physicians Surg Pak 2019. PMID 31659965
- Bezuglov E, et al. Prevalence and Treatment of Vitamin D Deficiency in Young Male Russian Soccer Players in Winter. Nutrients 2019. PMID 31597404
- Bouillon R. Vitamin D status in Africa is worse than in other continents. Lancet Glob Health 2019. PMID 31786116
- Caristia S, et al. Vitamin D as a Biomarker of III Health among the Over-50s: A Systematic Review of Cohort Studies. Nutrients 2019 - Review. PMID 31590434
- Cashman KD, et al. Differences in the dietary requirement for vitamin D among Caucasian and East African women at Northern latitude. Eur J Nutr 2019. PMID 30022296
- Ceccarelli M, et al. Vitamin D deficiency in a population of migrant children: an Italian retrospective cross-sectional multicentric study. Eur J Public Health 2019. PMID 31598638
- Cembranel F, et al. Obesity and 25(OH)
   D Serum Concentration Are More Important
   than Vitamin DIntake for Changes in Nutri tional Status Indicators: A Population-Based
   Longitudinal Study in a State Capital City
   in Southern Brazil. Nutrients 2019. PMID
   31590272
- Clemente MG, et al. Family-related factors may affect serum vitamin D levels. Acta Paediatr 2019. PMID 31432553
- Corrêa MP, et al. Changes in the total ozone content over the period 2006 to 2100 and the effects on the erythemal and vitamin D effective UV doses for South America and Antarctica. Photochem Photobiol Sci 2019. PMID 31696195
- Delshad M, et al. Wintertime Vitamin D status and its related risk factors among children living in Auckland, New Zealand. N Z Med J 2019. PMID 31647796
- Dimakopoulos I, et al. Association of serum vitamin D status with dietary intake and sun exposure in adults. Clin Nutr ESPEN 2019. PMID 31677707
- Enechukwu N, et al. Higher vitamin D levels in Nigerian albinos compared with pigmented controls. Int J Dermatol 2019. PMID 31418463

- Enlund-Cerullo M, et al. Genetic Variation of the Vitamin D Binding Protein Affects Vitamin D Status and Response to Supplementation in Infants. J Clin Endocrinol Metab 2019. PMID 31365099
- Ferrari D, et al. Association between solar ultraviolet doses and vitamin D clinical routine data in European mid-latitude population between 2006 and 2018. Photochem Photobiol Sci 2019. PMID 31556901
- Fields JB, et al. Vitamin D Status Differs by Sex, Sport-Season, and Skin Pigmentation among Elite Collegiate Basketball Players. Sports (Basel) 2019. PMID 31752086
- Griffin TP, et al. Higher risk of Vitamin D insufficiency/deficiency for rural than urban dwellers. J Steroid Biochem Mol Biol 2019. PMID 31756419
- Jamil NA, et al. Knowledge, Attitude and Practice Related to Vitamin D and Its Relationship with Vitamin D Status among Malay Female Office Workers. Int J Environ Res Public Health 2019. PMID 31783521
- Jan Y, et al. Vitamin D fortification of foods in India: present and past scenario. J Steroid Biochem Mol Biol 2019 - Review. PMID 31247324
- Jeong JH, et al. Determinants of Vitamin D Status of Women of Reproductive Age in Dhaka, Bangladesh: Insights from Husband-Wife Comparisons. Curr Dev Nutr 2019. PMID 31723723
- Jorde R, et al. Polymorphisms in the vitamin D system and mortality - The Tromsø study. J Steroid Biochem Mol Biol 2019. PMID 31541730
- Meng X, et al. Phenome-wide Mendelian-randomization study of genetically determined vitamin D on multiple health outcomes using the UK Biobank study. Int J Epidemiol 2019. PMID 31518429
- Mogire RM, et al. Prevalence of vitamin D deficiency in Africa: a systematic review and meta-analysis. Lancet Glob Health 2019. PMID 31786117
- Rabufetti A, et al. Vitamin D Status Among Male Late Adolescents Living in Southern Switzerland: Role of Body Composition and Lifestyle. Nutrients 2019. PMID 31717911
- Religi A, et al. Correction to: Estimation

- of exposure durations for vitamin D production and sunburn risk in Switzerland. J Expo Sci Environ Epidemiol 2019. PMID 31065038
- Religi A, et al. Estimation of exposure durations for vitamin D production and sunburn risk in Switzerland. J Expo Sci Environ Epidemiol 2019. PMID 30992519
- Rockwell M, et al. Vitamin D Practice Patterns in National Collegiate Athletic Association Division I Collegiate Athletics Programs. J Athl Train 2019. PMID 31729892
- Saternus R, et al. A Critical Appraisal of Strategies to Optimize Vitamin D Status in Germany, a Population with a Western Diet. Nutrients 2019. PMID 31698703
- Sivakumar G, et al. Vitamin D Supplementation in Military Personnel: A Systematic Review of Randomized Controlled Trials. Sports Health 2019. PMID 31268835 Free PMC article.
- Sriram K. Ongoing Problems with Research on Vitamin D in Critical Illness. Comment on Admission 25-hydroxyvitamin D levels are associated with functional status at time of discharge from intensive care unit in critically ill surgical patients. Nutr Clin Pract 2019. PMID 31769531
- Summerhays E, et al. Time trends of vitamin D concentrations in northern Sweden between 1986 and 2014: a population-based cross-sectional study. Eur J Nutr 2019. PMID 31754783
- Tanabe S, et al. Physical inactivity and vitamin D deficiency in hospitalized elderlies. J Bone Miner Metab 2019. PMID 30915552
- Turan A, et al. Preoperative Vitamin D Concentration and Cardiac, Renal, and Infectious Morbidity after Noncardiac Surgery. Anesthesiology 2019. PMID 31651439
- Velaphi SC, et al. Maternal and neonatal vitamin D status at birth in black South Africans. S Afr Med. J. 2019. PMID 31635580
- Yan X, et al. Gender Differences in Vitamin D Status in China. Med Sci Monit 2019. PMID 31541605
- Zhu XL, et al. Associations of vitamin D with novel and traditional anthropometric indices according to age and sex: a cross-sectional

study in central southern China. Eat Weight Disord 2019. PMID 31728924

## **ENDOCRINOLOGY**

- Agrawal AA, et al. Evaluation and comparison of serum vitamin D and calcium levels in periodontally healthy, chronic gingivitis and chronic periodontitis in patients with and without diabetes mellitus a cross-sectional study. Acta Odontol Scand 2019. PMID 31198072
- Akcan N and Bundak R. Accuracy of Tri-ponderal Mass Index and Body Mass Index in Estimating Insulin Resistance, Hyperlipidemia, Impaired Liver Enzymes or Thyroid Hormone Function and Vitamin D Levels in Children and Adolescents. J Clin Res Pediatr Endocrinol 2019. PMID 30991791
- Aktaş BY and Öztürk Aktaş Ö. Vitamin D Supplementation and Prevention of Type 2 Diabetes. N Engl J Med 2019. PMID 31665587
- Aktaş Ş. Vitamin B12 and vitamin d levels in patients with autoimmune hypothyroidism and their correlation with the antithyroid peroxidase antibodies. Med Princ Pract 2019. PMID 31779003
- Al-Daghri NM, et al. Sphingolipid serum profiling in vitamin D deficient and dyslipidemic obese dimorphic adults. Sci Rep 2019. PMID 31723209
- Al Dossari KK, et al. Association of vitamin d with glycemic control in Saudi patients with type 2 diabetes: A retrospective chart review study in an emerging university hospital. J Clin Lab Anal 2019. PMID 31568604
- Aliashrafi S, et al. Effect of vitamin D supplementation in combination with weight loss diet on lipid profile and sirtuin 1 in obese subjects with vitamin D deficiency: a double blind randomized clinical trial. Health Promot Perspect 2019. PMID 31777705
- Angellotti E, et al. Effect of vitamin D supplementation on cardiovascular risk in type 2 diabetes. Clin Nutr 2019. PMID 30352748
- Barros-Oliveira CS, et al. Sweat and vitamin D status in congenital, lifetime, untreated GH deficiency. Endocrine 2019. PMID 31292841

- Boucher BJ. Re Niroomand M, Fotouhi A, Irannejad N et al. Does high-dose vitamin Dsupplementation impact insulin resistance and risk of development of diabetes in patients with pre-diabetes? A double-blind randomized controlled trial. Diabetes Res Clin Pract. 2019;148:1-9. Diabetes Res Clin Pract 2019. PMID 31325540
- Byrn MA, et al. Vitamin D Supplementation and Cognition in People with Type 2 Diabetes: A Randomized Control Trial. J Diabetes Res 2019. PMID 31781666
- Cadario F, et al. Vitamin D and ω-3 Supplementations in Mediterranean Diet During the 1st Year of Overt Type 1 Diabetes: A Cohort Study. Nutrients 2019. PMID 31505819
- Canat HL, et al. Is high levels of vitamin D a new risk factor for Peyronie's disease? Andrologia 2019. PMID 31482615
- Chen C, et al. The vitamin D receptor (VDR) protects pancreatic beta cells against Forkhead box class O1 (FOXO1)-induced mitochondrial dysfunction and cell apoptosis. Biomed Pharmacother 2019. PMID 31261027
- Chen X, et al. Vitamin D Receptor Polymorphisms Associated with Susceptibility to Obesity: A Meta-Analysis. Med Sci Monit 2019. PMID 31682593
- Cheung MM, et al. Low dietary magnesium intake alters vitamin D-parathyroid hormone relationship in adults who are overweight or obese. Nutr Res 2019. PMID 31675537
- Cipponeri E, et al. Vitamin D status and non-alcoholic fatty liver disease in patients with type 1 diabetes. J Endocrinol Invest 2019. PMID 30847862
- Câmara AB and Brandão IA. The relationship between vitamin D deficiency and oxidative stress can be independent of age and gender. Int. J Vitam Nutr Res 2019. PMID 31711376
- de Boer IH, et al. Effect of Vitamin D and Omega-3 Fatty Acid Supplementation on Kidney Function in Patients With Type 2 Diabetes: A Randomized Clinical Trial. JAMA 2019. PMID 31703120
- Denova-Gutiérrez E, et al. Low Serum Vitamin D Concentrations Are Associated with Insulin Resistance in Mexican Children and Adolescents. Nutrients 2019. PMID 31491877

- Ekbom K, et al. Follow-up study found that vitamin D deficiency and weight gain increased the risk of impaired fasting glycaemia. Acta Paediatr 2019. PMID 31483890
- Fan Z, et al. Independent association of vitamin D and insulin resistance in obstructive sleep apnea. Ann Endocrinol (Paris) 2019. PMID 31759518
- Formenti AM, et al. Body mass index predicts resistance to active vitamin D in patients with hypoparathyroidism. Endocrine 2019. PMID 31655979
- Fu J, et al. Vitamin D levels are associated with metabolic syndrome in adolescents and young adults: The BCAMS study. Clin Nutr 2019. PMID 30236482
- Gallo D, et al. Immunomodulatory effect of vitamin D and its potential role in the prevention and treatment of thyroid autoimmunity: a narrative review. J Endocrinol Invest 2019 - Review. PMID 31584143
- Gambardella C and Docimo L. A Commentary on "Role of preoperative vitamin D supplementation in reducing post thyroid-ectomy hypocalcemia; Cohort Study". (Int J Surg 2019; Epub ahead of print). Int J Surg 2019. PMID 31627011
- Ganji V, et al. Serum vitamin D concentrations are inversely related to prevalence of metabolic syndrome in Qatari women. Biofactors 2019. PMID 31512799
- Ghezel A, et al. Vitamin D supplementation has no effect on matrix metalloproteinases-2, -9, and tissue inhibitor matrix metalloproteinase-1 in subjects with metabolic syndrome: A pilot study. Int J Vitam Nutr Res 2019. PMID 30829137
- Gil-Díaz MC, et al. Systematic review: associations of calcium intake, vitamin D intake, and physical activity with skeletal outcomes in people with Type 1 diabetes mellitus. Acta Diabetol 2019. PMID 30989378
- Graves CE, et al. Vitamin D Does Not Affect Intraoperative Parathyroid Hormone Kinetics: A Mixed Linear Model Analysis. J Surg Res 2019. PMID 31028941
- Gröber U and Holick MF. Diabetes Prevention: Vitamin D Supplementation May Not Provide Any Protection If There Is No Evidence of Deficiency! Nutrients 2019. PMID 31689953

- Hassan-Smith Z, et al. Vitamin D Supplementation and Prevention of Type 2 Diabetes. N Engl J Med 2019. PMID 31665588
- Hetta HF, et al. Does vitamin D status correlate with insulin resistance in obese prediabetic patients? An Egyptian multicenter study. Diabetes Metab Syndr 2019. PMID 31425941
- Hosseini Marnani E, et al. The effect of vitamin D supplementation on the androgenic profile in men: A systematic review and meta-analysis of clinical trials. Andrologia 2019 Review. PMID 31332821
- Huang H, et al. The synergistic effects of vitamin D and estradiol deficiency on metabolic syndrome in Chinese postmenopausal women. Menopause 2019. PMID 31188285
- Hu Z, et al. The Association between Polymorphisms of Vitamin D Metabolic-Related Genes and Vitamin D(3) Supplementation in Type 2 Diabetic Patients. J Diabetes Res 2019. PMID 31583252
- Infante M, et al. Influence of Vitamin D on Islet Autoimmunity and Beta-Cell Function in Type 1 Diabetes. Nutrients 2019 - Review. PMID 31514368
- Jamka M, et al. [Vitamin D and Hashimoto's disease]. Pol Merkur Lekarski 2019 -Review. PMID 31557141 Polish.
- Jawiarczyk-Przybyłowska A, et al. Association of Vitamin D Receptor Polymorphisms
  With Activity of Acromegaly, Vitamin D
  Status and Risk of Osteoporotic Fractures in
  Acromegaly Patients. Front Endocrinol (Lausanne) 2019. PMID 31616375
- Karau PB, et al. The prevalence of vitamin D deficiency among patients with type 2 diabetes seen at a referral hospital in Kenya. Pan Afr Med J 2019. PMID 31762905
- Khan Bhettani M, et al. Role of pre-operative vitamin D supplementation to reduce post-thyroidectomy hypocalcemia; Cohort study. Int J Surg 2019. PMID 31494332
- Kim CY, et al. The Association between Low Vitamin D Status and Autoimmune Thyroid Disease in Korean Premenopausal Women: The 6th Korea National Health and Nutrition Examination Survey, 2013-2014. Korean J Fam Med 2019. PMID 31476853

- Koehler VF, et al. Vitamin D Status and Thyroid Autoantibodies in Autoimmune Thyroiditis. Horm Metab Res 2019. PMID 31766063
- Krysiak R, et al. The effect of vitamin D on thyroid autoimmunity in euthyroid men with autoimmune thyroiditis and testosterone deficiency. Pharmacol Rep 2019. PMID 31377561
- Larky DA, et al. A single injection of vitamin D(3) improves insulin sensitivity and beta cell function but not muscle damage or the inflammatory and cardiovascular responses to an acute bout of resistance exercise in vitamin-D deficient resistance-trained males. Br | Nutr 2019. PMID 31701851
- LeBlanc ES, et al. Erratum. Baseline Characteristics of the Vitamin D and Type 2
  Diabetes (D2d) Study: A Contemporary
  Prediabetes Cohort That Will Inform Diabetes Prevention Efforts. Diabetes Care
  2018;41:1590-1599. Diabetes Care
  2019. PMID 31548246
- Mansur JL. Vitamin D Supplementation and Prevention of Type 2 Diabetes. N Engl J Med 2019. PMID 31665589
- Nadri G, et al. Serum vitamin D is a biomolecular biomarker for proliferative diabetic retinopathy. Int J Retina Vitreous 2019. PMID 31700679
- Nam HK, et al. Vitamin D level and gene polymorphisms in Korean children with type 1 diabetes. Pediatr Diabetes 2019. PMID 31206955
- Neves JPR, et al. Variants RS1544410 and RS2228570 of the vitamin D receptor gene and glycemic levels in adolescents from Northeast Brazil. Nutr Hosp 2019. PMID 31718198
- Niroomand M. Magnitude of benefit of vitamin D supplementation and the stage of impaired glucose metabolism: Area for future studies. Diabetes Res Clin Pract 2019. PMID 31325542
- Niu Y, et al. Low vitamin D is associated with diabetes peripheral neuropathy in older but not in young and middle-aged patients. Diabetes Metab Res Rev 2019. PMID 30931541
- Nodehi M, et al. Effects of vitamin D supplements on frequency of CD4(+) T-cell subsets in women with Hashimoto's thyroiditis:

- a double-blind placebo-controlled study. Eur J. Clin Nutr 2019. PMID 30696977
- Omidian M, et al. Effects of vitamin D supplementation on advanced glycation end products signaling pathway in T2DM patients: a randomized, placebo-controlled, double blind clinical trial. Diabetol Metab Syndr 2019. PMID 31673295
- Omidian M, et al. Effects of vitamin D supplementation on circulatory YKL-40 and MCP-1 biomarkers associated with vascular diabetic complications: A randomized, placebo-controlled, double-blind clinical trial. Diabetes Metab Syndr 2019. PMID 31425951
- Parsanathan R and Jain SK. Glutathione deficiency induces epigenetic alterations of vitamin D metabolism genes in the livers of high-fat diet-fed obese mice. Sci Rep 2019. PMID 31616013
- Parveen R, et al. Attenuated serum 25-hydroxyvitamin D and vitamin D binding protein associated with cognitive impairment in patients with type 2 diabetes. Diabetes Metab Syndr Obes 2019. PMID 31571953
- Pittas A, et al. Vitamin D Supplementation and Prevention of Type 2 Diabetes. Reply. N Enal | Med 2019. PMID 31665590
- Sacerdote A, et al. Type 2 Diabetes Mellitus, Insulin Resistance, and Vitamin D. Curr Diab Rep 2019 Review. PMID 31506836
- Santos LO, et al. Vitamin D receptor (VDR) gene polymorphisms and expression profile influence upon the immunological imbalance in Turner syndrome. J Endocrinol Invest 2019. PMID 31686401
- Sayadi Shahraki M, et al. Severe obesity and vitamin D deficiency treatment options before bariatric surgery: a randomized clinical trial. Surg Obes Relat Dis 2019. PMID 31402293
- Tsekmekidou X, et al. Association between CUBN gene variants, type 2 diabetes and vitamin Dconcentrations in an elderly Greek population. J Steroid Biochem Mol Biol 2019. PMID 31770575
- Van De Maele K, et al. Is vitamin D deficiency in obese youth a risk factor for less weight loss during a weight loss program? Endocr Connect 2019. PMID 31634867

- Verrusio W, et al. Thyroid hormones, metabolic syndrome and Vitamin D in middle-aged and older euthyroid subjects: a preliminary study. Aging Clin Exp Res 2019. PMID 30406357
- Vigna L, et al. Directional Relationship Between Vitamin D Status and Prediabetes:
   A New Approach from Artificial Neural Network in a Cohort of Workers with Overweight-Obesity. J Am Coll Nutr 2019.

   PMID 31021286
- Vivan MA, et al. Prevalence of Vitamin D Depletion, and Associated Factors, among Patients Undergoing Bariatric Surgery in Southern Brazil. Obes Surg 2019. PMID 31129880
- Wang HY, et al. Correlation of serum vitamin D, adipose tissue vitamin D receptor, and peroxisome proliferator-activated receptor γ in women with gestational diabetes mellitus. Chin Med J (Engl) 2019. PMID 31651513
- Wilkens MR, et al. Dietary protein and calcium modulate parathyroid vitamin D receptor expression in young ruminants. J Steroid Biochem Mol Biol 2019. PMID 31648052
- Wyskida M, et al. Parathyroid hormone response to different vitamin D levels in population-based old and very-old Polish cohorts. Exp Gerontol 2019. PMID 31520697
- Yalla N, et al. Parathyroid hormone reference ranges in healthy individuals classified by vitaminD status. J Endocrinol Invest 2019. PMID 31273631 Free PMC article.
- Yammine K, et al. Is there an association between vitamin D and diabetic foot disease? A meta-analysis. Wound Repair Regen 2019. PMID 31633861
- Yang YY and Liu JM. What can we learn from the Vitamin D and Type 2 Diabetes (D2d) Study? J Diabetes 2019. PMID 31755248
- Yuan J, et al. Could Vitamin D be Associated with Proliferative Diabetic Retinopathy?
   Evidence from Pooling Studies. Horm Metab Res 2019. PMID 31683343

## **EPIDEMIOLOGY**

 Guo HX, et al. Correlation of vitamin D receptor gene (Apal) polymorphism with periodontitis: a meta-analysis of Chinese population. Food Sci Nutr 2019. PMID 31763010

#### GASTROENTEROLOGY

- Ahamed Z R, et al. Oral Nano Vitamin D Supplementation Reduces Disease Activity in Ulcerative Colitis: A Double-Blind Randomized Parallel Group Placebo-controlled Trial. J Clin Gastroenterol 2019. PMID 31356558
- Ahlawat R, et al. Should We Assess Vitamin D Status in Pediatric Patients With Celiac Disease? J Pediatr Gastroenterol Nutr 2019. PMID 31219934
- Basile U, et al. Lack of association between Vitamin D status and free light chains profile with different chronic HCV-related liver and extrahepatic disorders. Eur Rev Med Pharmacol Sci 2019. PMID 31646582
- Christakos S, et al. Vitamin D and the intestine: Review and update. J Steroid Biochem Mol Biol 2019 - Review. PMID 31655181
- Cimini FA, et al. Overview of studies of the vitamin D/vitamin D receptor system in the development of non-alcoholic fatty liver disease. World J Gastrointest Pathophysiol 2019. PMID 31559105
- Dai C, et al. Oral Nano Vitamin D Supplementation and Disease Activity in Ulcerative Colitis. J Clin Gastroenterol 2019. PMID 31524651
- Dai C and Jiang M. Levels of Vitamin D Are Low Before or After Crohn's disease Is Established? Clin Gastroenterol Hepatol 2019. PMID 31676356
- Dong B, et al. Vitamin D receptor activation in liver macrophages ameliorates hepatic inflammation, steatosis, and insulin resistance in mice. Hepatology 2019. PMID 31506976
- Dong J, et al. No Association Between Vitamin D Status and Risk of Barrett's Esophagus or Esophageal Adenocarcinoma: A Mendelian Randomization Study. Clin Gastroenterol Hepatol 2019. PMID 30716477
- Doulberis M, et al. Vitamin D Deficiency and Unclear Abdominal Pain in Patients from Low- and Middle-Income Countries. Int J Environ Res Public Health 2019. PMID 31757059

- Durak \$, et al. The effects of serum levels, and alterations in the genes of binding protein and receptor of vitamin D on gastric cancer. Mol Biol Rep 2019. PMID 31549372
- Eslamian G, et al. Association of intestinal permeability with admission vitamin D deficiency in patients who are critically ill. J Investig Med 2019. PMID 31672717
- Federico A, et al. Evaluation of the Effect Derived from Silybin with Vitamin D and Vitamin E Administration on Clinical, Metabolic, Endothelial Dysfunction, Oxidative Stress Parameters, and Serological Worsening Markers in Nonalcoholic Fatty Liver Disease Patients. Oxid Med Cell Longev 2019. PMID 31737175
- Fu L, et al. [Correlation between serum 25(OH) vitamin D and liver fat content in nonalcoholic fatty liver disease]. Nan Fang Yi Ke Da Xue Xue Bao 2019. PMID 31640966 Chinese.
- Ghaly S, et al. Inflammatory bowel diseases: interrelationships between dietary vitamin D, exposure to UV radiation and the fecal microbiome. Expert Rev Gastroenterol Hepatol 2019. PMID 31657973
- Gubatan J, et al. Systematic review with meta-analysis: association of vitamin D status with clinical outcomes in adult patients with inflammatory bowel disease. Aliment Pharmacol Ther 2019 - Review. PMID 31647134
- Hassanshahi M, et al. Highlight article: Current evidence for vitamin D in intestinal function and disease. Exp Biol Med (Maywood) 2019. PMID 31366237
- Hu CQ, et al. Vitamin D Deficiency Attenuates Acute Alcohol-Induced Hepatic Lipid Accumulation in Mice. Lipids 2019. PMID 31463983
- Jeong JY, et al. Effects of vitamin D supplements in patients with chronic hepatitis C: a randomized, multi-center, open label study. Korean J Intern Med 2019. PMID 31710801
- Joanna B, et al. Vitamin D, linoleic acid, arachidonic acid and COX-2 in colorectal cancer patients in relation to disease stage, tumour localisation and disease progression. Arab J Gastroenterol 2019. PMID 31272909

- Khan MA, et al. Impact of Vitamin D Status in Chronic Liver Disease. J Clin Exp Hepatol 2019. PMID 31695247
- Kusu H, et al. Tomatidine Reduces Palmitate-Induced Lipid Accumulation by Activating AMPK via Vitamin D Receptor-Mediated Signaling in Human HepG2 Hepatocytes.
   Mol Nutr Food Res 2019. PMID 31454158
- Lee C, et al. Protective effects of vitamin D against injury in intestinal epithelium. Pediatr Surg Int 2019. PMID 31612340
- Limketkai BN, et al. Levels of Vitamin D are Low After Crohn's Disease is Established But Not Before. Clin Gastroenterol Hepatol 2019. PMID 31589971
- Liu Y, et al. Active vitamin D supplementation alleviates initiation and progression of nonalcoholic fatty liver disease by repressing the p53 pathway. Life Sci 2019. PMID 31756344
- Li XX, et al. Vitamin D deficiency associated with Crohn's disease and ulcerative colitis: a meta-analysis of 55 observational studies. J Transl Med 2019. PMID 31547829
- Lu R, et al. Imbalance of autophagy and apoptosis in intestinal epithelium lacking the vitamin D receptor. FASEB J 2019. PMID 31361973
- Maia-Ceciliano TC, et al. The deficiency and the supplementation of vitamin D and liver: Lessons of chronic fructose-rich diet in mice. J Steroid Biochem Mol Biol 2019. PMID 31175967
- Mechie NC, et al. Distinct Association of Serum Vitamin D Concentration with Disease Activity and Trough Levels of Infliximab and Adalimumab during Inflammatory Bowel Disease Treatment. Digestion 2019. PMID 31536991
- Mentella MC, et al. The Association of Disease Activity, BMI and Phase Angle with Vitamin DDeficiency in Patients with IBD. Nutrients 2019. PMID 31717788
- Mohamed AA, et al. Serum Vitamin D Levels in Chronic Hepatitis B Patients Before and During Treatment. Infect Disord Drug Targets 2019. PMID 31721718
- Moran-Lev H, et al. Vitamin D Decreases Hepcidin and Inflammatory Markers in Newly Diagnosed Inflammatory Bowel

- Disease Paediatric Patients: A Prospective Study. J Crohns Colitis 2019. PMID 30840757
- Naderpoor N, et al. Effect of Vitamin D Supplementation on Faecal Microbiota: A Randomised Clinical Trial. Nutrients 2019. PMID 31783602
- Nielsen OH, et al. Managing vitamin D deficiency in inflammatory bowel disease. Frontline Gastroenterol 2019 - Review. PMID 31656565
- Qu B, et al. Role of Circulating and Supplemental Calcium and Vitamin D in the Occurrence and Development of Colorectal Adenoma or Colorectal Cancer. J Clin Gastroenterol 2019. PMID 28134636
- Raafat Rowida I, et al. Apa 1 (rs7975232) SNP in the vitamin D receptor is linked to hepatocellular carcinoma in hepatitis C virus cirrhosis. Br J Biomed Sci 2019. PMID 31682785
- Robles-Vera I, et al. Impact of Vitamin D Deficit on the Rat Gut Microbiome. Nutrients 2019. PMID 31652902
- Rubenstein JH, et al. Association of Vitamin D and Parathyroid Hormone With Barrett's Esophagus. J Clin Gastroenterol 2019. PMID 30180151
- Sayad B, et al. Letter to the Editor: CY-P24A1 Genetic Variants in the Vitamin D Metabolic Pathway Are Involved in the Outcomes of Hepatitis C Virus Infection among High-Risk Chinese Population. Int J Infect Dis 2019. PMID 31743798
- Scott MJ. The upside-downside nature of Vitamin D signaling in liver. J Leukoc Biol 2019. PMID 31379001
- Sharifi A, et al. Effect of single-dose injection of vitamin D on immune cytokines in ulcerative colitis patients: a randomized placebo-controlled trial. APMIS 2019 Clinical Trial. PMID 31274211
- Thanapirom K, et al. Genetic associations of vitamin D receptor polymorphisms with advanced liver fibrosis and response to pegylated interferon-based therapy in chronic hepatitis C. Peerl 2019. PMID 31565578
- Triantos C, et al. Vitamin D-related immunomodulation in patients with liver cirrhosis. Eur J Gastroenterol Hepatol 2019. PMID 31789949

- Vahid F, et al. Association Between Index of Nutritional Quality and Nonalcoholic Fatty Liver Disease: The Role of Vitamin D and B Group. Am J Med Sci 2019. PMID 31326093
- Waterhouse M, et al. Vitamin D and the gut microbiome: a systematic review of in vivo studies. Eur J Nutr 2019. PMID 30324342
- Yang F, et al. The value of severe vitamin D deficiency in predicting the mortality risk of patients with liver cirrhosis: a meta-analysis. Clin Res Hepatol Gastroenterol 2019. PMID 30935905
- Yang JJ, et al. Impact of CYP2R1, CY-P27A1 and CYP27B1 genetic polymorphisms controlling vitamin D metabolism on susceptibility to hepatitis C virus infection in a high-risk Chinese population. Arch Virol 2019. PMID 31520221
- Yang L, et al. Effect of vitamin D on Helicobacter pylori infection and eradication: A meta-analysis. Helicobacter 2019. PMID 31411799
- Yao B, et al. The protective effect of lithocholic acid on the intestinal epithelial barrier is mediated by the vitamin D receptor via a SIRT1/Nrf2 and NF-κB dependent mechanism in Caco-2 cells. Toxicol Lett 2019. PMID 31472180
- Zhang YH, et al. The effects of oral vitamin D supplementation on the prevention of peritoneal dialysis-related peritonitis: study protocol for a randomized controlled clinical trial. Trials 2019. PMID 31779675
- Zhang Z, et al. Vitamin D and nonalcoholic fatty liver disease. Curr Opin Clin Nutr Metab Care 2019. PMID 31589177
- Zhuang P, et al. Associations between Vitamin D and Liver Function and Liver Fibrosis in Patients with Biliary Atresia. Gastroenterol Res Pract 2019. PMID 31781188

## **HEMATOLOGY**

- Adegoke SA, et al. Thrombospondin-1 and Vitamin D in Children With Sickle Cell Anemia. J Pediatr Hematol Oncol 2019. PMID 30520760
- Allegra S, et al. The effect of vitamin D pathway genes and deferasirox pharmacogenetics on liver iron in thalassaemia major patients. Pharmacogenomics J 2019. PMID 30651574

- Arain A and Matthiesen C. Vitamin D deficiency and graft-versus-host disease in hematopoietic stem cell transplant population. Hematol Oncol Stem Cell Ther 2019 - Review. PMID 30213610
- Bhandari R, et al. Association between Vitamin D and Risk for Early and Late Post-Transplant Complications. Biol Blood Marrow Transplant 2019. PMID 31654787
- Bhattacharya S, et al. Prevalence of vitamin D deficiency in childhood acute lymphoblastic leukemia and its association with adverse outcomes during induction phase of treatment. Nutr Cancer 2019. PMID 31635487
- Borchmann S, et al. Pretreatment Vitamin D Deficiency Is Associated With Impaired Progression-Free and Overall Survival in Hodgkin Lymphoma. J Clin Oncol 2019. PMID 31622132
- Gliozzi ML, et al. Hemoglobin alters vitamin carrier uptake and vitamin D metabolism in proximal tubule cells: implications for sickle cell disease. Am J Physiol Cell Physiol 2019. PMID 31509446
- Muggeo P, et al. Cardiovascular dysfunction and vitamin D status in childhood acute lymphoblastic leukemia survivors. World J Pediatr 2019. PMID 31055782
- Ros-Soto J, et al. Current Practice in Vitamin D Management in Allogeneic Hematopoietic Stem Cell Transplantation: A Survey by the Transplant Complications Working Party of the European Society for Blood and Marrow Transplantation. Biol Blood Marrow Transplant 2019. PMID 31229642
- Yu U, et al. Evaluation of the vitamin D and biomedical statuses of young children with β-thalassemia major at a single center in southern China. BMC Pediatr 2019. PMID 31646984

#### **IMMUNOLOGY**

- Agarwal S, et al. Vitamin D: A Modulator of Allergic Rhinitis. Indian J Otolaryngol Head Neck Surg 2019. PMID 31763325
- Aguilar-Jimenez W, et al. Genetic associations of the vitamin D and antiviral pathways with natural resistance to HIV-1 infection are influenced by interpopulation variability. Infect Genet Evol 2019. PMID 31103723

- Aibana O, et al. Vitamin D status and risk of incident tuberculosis disease: A nested case-control study, systematic review, and individual-participant data meta-analysis. PLoS Med 2019. PMID 31509529
- Al-Maweri SA, et al. Is vitamin D deficiency a risk factor for recurrent aphthous stomatitis? A systematic review and meta-analysis. Oral Dis 2019 - Review. PMID 31493304
- Alvarez N, et al. The Potential Protective Role of Vitamin D Supplementation on HIV-1 Infection. Front Immunol 2019 - Review. PMID 31611877
- Aly H, et al. Vitamin D Supplementation and T Cell Regulation in Preterm Infants: A Randomized Controlled Trial. J Pediatr Gastroenterol Nutr 2019. PMID 31335838
- Avcioglu G, et al. Effects of 1,25-Dihydroxy vitamin D(3) on TNF-α induced inflammation in human chondrocytes and SW1353 cells: a possible role for toll-like receptors. Mol Cell Biochem 2019. PMID 31734843
- Bakhshaee M, et al. Therapeutic effect of vitamin D supplementation on allergic rhinitis. Eur Arch Otorhinolaryngol 2019. PMID 31332549
- Can U, et al. Can YKL-40 be an Inflammatory Biomarker in Vitamin D Deficiency? Int J Vitam Nutr Res 2019. PMID 30806610
- Carlberg C. Vitamin D Signaling in the Context of Innate Immunity: Focus on Human Monocytes. Front Immunol 2019 - Review. PMID 31572402
- Cho SW, et al. Preventive and therapeutic effects of vitamin D in a mouse model of allergic asthma. Asian Pac J Allergy Immunol 2019. PMID 30447649
- Costenbader KH, et al. Effects of One Year of Vitamin D and Marine Omega-3 Fatty Acid Supplementation on Biomarkers of Systemic Inflammation in Older US Adults. Clin Chem 2019. PMID 31699704
- Cruz JRS, et al. Assessment of vitamin D status in common variable immunodeficiency or ataxia-telangiectasia patients. Allergol Immunopathol (Madr) 2019. PMID 31377030
- Eroglu C, et al. The relation between serum vitamin D levels, viral infections and severity

of attacks in children with recurrent wheezing. Allergol Immunopathol (Madr) 2019. PMID 31477398

- Fisher SA, et al. The role of vitamin D in increasing circulating T regulatory cell numbers and modulating T regulatory cell phenotypes in patients with inflammatory disease or in healthy volunteers: A systematic review. PLoS One 2019. PMID 31550254
- Gonzalez SM, et al. Vitamin D treatment of peripheral blood mononuclear cells modulated immune activation and reduced susceptibility to HIV-1 infection of CD4+ T lymphocytes. PLoS One 2019. PMID 31550271
- Gozeler MS, et al. Are Vitamin D Levels Associated With Risk of Deep Neck Infection? Ear Nose Throat J 2019. PMID 31550931
- Häusler D, et al. High dose vitamin D exacerbates central nervous system autoimmunity by raising T-cell excitatory calcium. Brain 2019. PMID 31302671
- Illescas-Montes R, et al. Vitamin D and autoimmune diseases. Life Sci 2019 - Review. PMID 31401314
- Jonas MI, et al. Vitamin D Receptor Gene Expression in Adipose Tissue of Obese Individuals is Regulated by miRNA and Correlates with the Pro-Inflammatory Cytokine Level. Int J Mol Sci 2019. PMID 31652924
- Joudi M, et al. Effects of Serum Vitamin D and Efficacy of Subcutaneous Immunotherapy in Adult Patients With Allergic Rhinitis. Allergy Asthma Immunol Res 2019. PMID 31552722
- Lin LY, et al. Vitamin D deficiency or supplementation and the risk of human herpesvirus infections or reactivation: a systematic review protocol. BMJ Open 2019. PMID 31594899
- Li YP, et al. Association of polymorphisms in the vitamin D receptor gene with susceptibility to and severity of hand, foot, and mouth disease caused by Coxsackievirus A16. J Med Virol 2019. PMID 31587312
- Lowry MB, et al. A mouse model for vitamin D-induced human cathelicidin antimicrobial peptide gene expression. J Steroid Biochem Mol Biol 2019. PMID 31783153
- Martínez-Moreno J, et al. Effect of high doses of vitamin D supplementation on

- dengue virus replication, Toll-like receptor expression, and cytokine profiles on dendritic cells. Mol Cell Biochem 2019. PMID 31758375
- McKinley MC. Effect of Vitamin D and Omega-3 Supplements on Systemic Inflammation. Clin Chem 2019. PMID 31699703
- Mousavi S, et al. Vitamin D in Acute Campylobacteriosis-Results From an Intervention Study Applying a Clinical Campylobacter jejuni Induced Enterocolitis Model. Front Immunol 2019. PMID 31552040
- Murdaca G, et al. Emerging role of vitamin D in autoimmune diseases: An update on evidence and therapeutic implications.
   Autoimmun Rev 2019 Review. PMID 31323357
- Ogunsakin O, et al. Diallyl disulfide inhibits ethanol-induced pulmonary cell vitamin D and antimicrobial peptide cathelicidin depletion. Alcohol 2019. PMID 30580017
- Oh C, et al. Vitamin D maintains E-cadherin intercellular junctions by downregulating MMP-9 production in human gingival keratinocytes treated by TNF-α. J Periodontal Implant Sci 2019. PMID 31681485
- Panda S, et al. Status of vitamin D and the associated host factors in pulmonary tuberculosis patients and their household contacts: A cross sectional study. J Steroid Biochem Mol Biol 2019. PMID 31255688
- Pepineli AC, et al. Vitamin D Receptor Gene Polymorphisms Are Associated With Leprosy in Southern Brazil. Front Immunol 2019. PMID 31636627
- Scott JM, et al. Effects of vitamin D supplementation on salivary immune responses during Marine Corps basic training. Scand J Med Sci Sports 2019 - Clinical Trial. PMID 31099085
- Shabana MA, et al. Predictive role of Il-17A/Il-10 ratio in persistent asthmatic patients on vitamin Dsupplement. Immunobiology 2019. PMID 31570180
- Sopo SM, et al. The unpredictability of seasonal variations in serum vitamin D levels in children with asthma and/or rhinitis. Allergol Immunopathol (Madr) 2019. PMID 30940418
- Umeda N, et al. Frontline Science: Conca-

- navalin A-induced acute hepatitis is attenuated in vitaminD receptor knockout mice with decreased immune cell function. J Leukoc Biol 2019. PMID 31034649
- Wolf TA, et al. Procalcitonin as a biomarker for critically ill patients with sepsis: Effects of vitaminD supplementation. J Steroid Biochem Mol Biol 2019 - Review. PMID 31323346
- Yalcin AD and Uzun R. Anti-IgE Significantly Changes Circulating Interleukin-25, Vitamin-D and Interleukin-33 Levels in Patients with Allergic Asthma. Curr Pharm Des 2019. PMID 31566129
- Yang C, et al. [Role and mechanism of vitamin D in sepsis]. Zhonghua Wei Zhong Bing Ji Jiu Yi Xue 2019. PMID 31657348 Chinese.
- Yang H, et al. BCG stimulation promotes dendritic cell proliferation and expression of VDR and CYP27B1 in vitamin D-deficient mice. Mol Med Rep 2019. PMID 31702812
- Yegorov S, et al. Effects of Vitamin D Supplementation and Seasonality on Circulating Cytokines in Adolescents: Analysis of Data From a Feasibility Trial in Mongolia. Front Nutr 2019. PMID 31709259
- Zhou Q, et al. Vitamin D supplementation could reduce the risk of acute cellular rejection and infection in vitamin D deficient liver allograft recipients. Int Immunopharmacol 2019. PMID 31422183
- Zhu DC, et al. [Research progress on the relevance between serum vitamin D and IL-33/ST2 levels and allergic rhinitis]. Lin Chung Er Bi Yan Hou Tou Jing Wai Ke Za Zhi 2019 - Review. PMID 31446716 Chinese.

## **LABORATORY**

- Aihara S, et al. Severe Hypocalcemia and Resulting Seizure Caused by Vitamin D Deficiency in an Older Patient Receiving Phenytoin: Eldecalcitol and Maxacalcitol Ointment as Potential Therapeutic Options for Hypocalcemia. Case Rep Nephrol 2019. PMID 31737385
- Antonelli G, et al. The pathway for introducing novel examination procedures in routine practice in accordance with ISO 15189:2012: 17-Hydroxy progesterone,

- dehydroepiandrosterone sulphate and vitamin D as examples. Ann Clin Biochem 2019. PMID 30974962
- Asif M, et al. Evaluation of a New Generation Automated Assay for 25-Hydroxy Vitamin DBased on Competitive Protein Binding. J Appl Lab Med 2019. PMID 31639671
- Bateman EA, et al. Reducing waste: a guidelines-based approach to reducing inappropriate vitaminD and TSH testing in the inpatient rehabilitation setting. BMJ Open Qual 2019. PMID 31750404
- Chun RF, et al. Vitamin D Binding Protein and the Biological Activity of Vitamin D. Front Endocrinol (Lausanne) 2019 - Review. PMID 31708871
- DeFelice BC, et al. Utilizing cooled liquid chromatography and chemical derivatization to separate and quantify C3-epimers of 25-hydroxy vitamin D and low abundant 1α,25(OH)(2)D3: Application in a pediatric population. J Steroid Biochem Mol Biol 2019. PMID 31715316
- Duchow EG, et al. Vitamin D binding protein is required to utilize skin-generated vitamin D. Proc Natl Acad Sci U S A 2019. PMID 31748273
- Francic V, et al. The Effect of Vitamin D Supplementation on its Metabolism and the Vitamin D Metabolite Ratio. Nutrients 2019. PMID 31640241
- Griffin TP, et al. Normocalcemia in the Face of Marked Hypervitaminosis D: The Utility of VitaminD Metabolite Profiling. J Appl Lab Med 2019. PMID 31639673
- Ibe K, et al. Synthesis and vitamin D receptor affinity of 16-oxa vitamin D(3) analogues. Org Biomol Chem 2019. PMID 31769776
- Kawagoe F, et al. Introduction of fluorine atoms to vitamin D(3) side-chain and synthesis of 24,24-difluoro-25-hydroxyvitamin D(3). J Steroid Biochem Mol Biol 2019. PMID 31541729
- Kiourtzidis M, et al. Inhibition of Niemann-Pick C1-like protein 1 by ezetimibe reduces uptake of deuterium-labeled vitamin D in mice. J Steroid Biochem Mol Biol 2019. PMID 31682937

- Nagata A, et al. Synthetic Chemical Probes That Dissect Vitamin D Activities. ACS Chem Biol 2019. PMID 31618573
- Sebestyen VanSickle J, et al. Comparing directly measured versus mathematically calculated free serum 25-hydroxy vitamin D level in children. J Bone Miner Metab 2019. PMID 31676954
- Seki M, et al. A novel caged Cookson-type reagent toward a practical vitamin D derivatization method for mass spectrometric analyses. Rapid Commun Mass Spectrom 2019. PMID 31715032
- Sepulveda-Villegas M, et al. Identification and analysis of 35 genes associated with vitamin D deficiency: A systematic review to identify genetic variants. J Steroid Biochem Mol Biol 2019. PMID 31678109
- Viraraghavan VR. Importance of the method used to estimate 25(OH)D and the definition used for vitamin D status classification in a clinical trial on vitamin D metabolism. Paediatr Int Child Health 2019. PMID 31094295
- Vázquez-Lorente H, et al. Current trends in the analytical determination of vitamin D. Nutr Hosp 2019. PMID 31657612

# **MISCELLANEOUS**

- Amrein K, et al. Effect of high-dose vitamin D3 on 28-day mortality in adult critically ill patients with severe vitamin D deficiency: a study protocol of a multicentre, placebo-controlled double-blind phase III RCT (the VITDALIZE study). BMJ Open 2019. PMID 31722941
- Atalay K, et al. Serum levels of thyroid hormone, vitamin D, vitamin B12, folic acid, C-reactive protein, and hemoglobin in Pseudoexfoliation and primary open angle Glaucoma. J Fr Ophtalmol 2019. PMID 31103354
- Aykan DA and Seyithanoglu M. The Effects of Administration of Vitamin D, Infliximab, and Leflunomide on Testosterone Concentrations in Rats under Atorvastatin Therapy. Eurasian J Med 2019. PMID 31692672
- Babaei P, et al. Co-Treatment of Vitamin D Supplementation and Aerobic Training Improves Memory Deficit in Ovariectomized Rat. Int J Neurosci 2019. PMID 31775548

- Baur AC, et al. Intake of ergosterol increases the vitamin D concentrations in serum and liver of mice. J Steroid Biochem Mol Biol 2019. PMID 31352023
- Beauchet O, et al. Effects of Vitamin D and Calcium Fortified Yogurts on Gait, Cognitive Performances, and Serum 25-Hydroxyvitamin D Concentrations in Older Community-Dwelling Females: Results from the GAit, MEmory, Dietary and Vitamin D (GAME-D2) Randomized Controlled Trial. Nutrients 2019. PMID 31779179
- Bezrati I, et al. A single mega dose of vitamin D3 improves selected physical variables in vitamin D insufficient young amateur soccer players: a randomized controlled trial. Appl Physiol Nutr Metab 2019. PMID 31597046
- Billington EO, et al. Safety of High-Dose Vitamin D Supplementation: Secondary Analysis of a Randomized Controlled Trial. J Clin Endocrinol Metab 2019. PMID 31746327
- Bode LE, et al. Vitamin D Supplementation for Extraskeletal Indications in Older Persons. J Am Med Dir Assoc 2019. PMID 31753741
- Boucher BJ. Validating the effects of correcting vitamin D deficiency; time for reappraisal of clinical trial design. QJM 2019. PMID 31020315
- Bouillon R and Bikle D. Vitamin D Metabolism Revised: Fall of Dogmas. J Bone Miner Res 2019. PMID 31589774
- Bouillon R and Quesada-Gomez JM. Calcifediol or vitamin D to optimize vitamin D status: Reply to letter of M Sosas. Osteoporos Int 2019. PMID 31612250
- Bratlie M, et al. Five salmon dinners per week was not sufficient to prevent the reduction in serum vitamin D in autumn at 60° north latitude: a randomised trial. Br J Nutr 2019. PMID 31760958
- Brook K and Quraishi SA. Response to Letter to the Editor "Ongoing Problems With Research on Vitamin Din Critical Illness". Nutr Clin Pract 2019. PMID 31729090
- Casado Burgos E. [Response to the Editorial «Vitamin D: The new suit of the Sun King»].
   Aten Primaria 2019. PMID 31672249 Spanish.

- Cashman KD and O'Dea R. Exploration of strategic food vehicles for vitamin D fortification in low/lower-middle income countries. J Steroid Biochem Mol Biol 2019. PMID 31541726
- Chabrol T and Wion D. Randomized clinical trials of oral vitamin D supplementation in need of a paradigm change: The vitamin D autacoid paradigm. Med Hypotheses 2019. PMID 31627120
- Charoenngam N, et al. Oral vitamin D(3) supplementation increases serum fibroblast growth factor 23 concentration in vitamin D-deficient patients: a systematic review and meta-analysis. Osteoporos Int 2019 -Review. PMID 31372708
- Charoenngam N, et al. Vitamin D for skeletal and non-skeletal health: What we should know. J Clin Orthop Trauma 2019 - Review. PMID 31708633
- Chauhan K and Huecker MR. Vitamin D. StatPearls. StatPearls Publishing 2019 Jan-- Review. PMID 28722941
- Chen L, et al. Epigenetics Predicts Serum 25-Hydroxyvitamin D Response to Vitamin D(3) Supplementation in African Americans. Mol Nutr Food Res 2019. PMID 31667917
- Chin KK, et al. Effect of Electronic Clinical Decision Support on 25(OH) Vitamin D Testing. J Gen Intern Med 2019. PMID 31090033
- Dai Z, et al. Methodological quality of public health guideline recommendations on vitaminD and calcium: a systematic review protocol. BMJ Open 2019. PMID 31699738
- Datta P, et al. Serum 25(OH)D levels after oral vitamin D(3) supplementation and UVB exposure correlate. Photodermatol Photoimmunol Photomed 2019. PMID 31166629
- Dong W, et al. Multiple genome analyses reveal key genes in Vitamin C and Vitamin D synthesis and transport pathways are shared. Sci Rep 2019. PMID 31727908
- Donnally CJ, et al. Is There a Correlation Between Preoperative or Postoperative Vitamin D Levels with Pseudarthrosis, Hardware Failure, and Revisions After Lumbar Spine Fusion? World Neurosurg 2019. PMID 31238168

- Ebell MH. Vitamin D Is Not Effective as Primary Prevention of Cardiovascular Disease or Cancer. Am Fam Physician 2019. PMID 31524368
- El-Boshy M, et al. Vitamin D protects against oxidative stress, inflammation and hepatorenal damage induced by acute paracetamol toxicity in rat. Free Radic Biol Med 2019. PMID 31255668
- Ferri E, et al. Vitamin D in physiological and pathological aging: Lesson from centenarians. Rev Endocr Metab Disord 2019 - Review. PMID 31654261
- Formoso G, et al. Vitamin D blood levels, unnecessary prescriptions, and retest in naïve patients. Eur J Clin Pharmacol 2019. PMID 31520136
- Fraser WD, et al. Vitamin D Measurement, the Debates Continue, New Analytes Have Emerged, Developments Have Variable Outcomes. Calcif Tissue Int 2019 - Review. PMID 31741016
- Gasparri C, et al. Is vitamin D-fortified yogurt a value-added strategy for improving human health? A systematic review and meta-analysis of randomized trials. J Dairy Sci 2019. PMID 31400903
- Gonoodi K, et al. Determinants of the magnitude of response to vitamin D supplementation in adolescent girls identified using a decision tree algorithm Biofactors 2019. PMID 31355993
- Grant WB and Boucher BJ. A Review of the Potential Benefits of Increasing Vitamin D Status in Mongolian Adults through Food Fortification and Vitamin D Supplementation. Nutrients 2019 - Review. PMID 31615079
- Grant WB and Boucher BJ. Why Secondary Analyses in Vitamin D Clinical Trials Are Important and How to Improve Vitamin D Clinical Trial Outcome Analyses-A Comment on "Extra-Skeletal Effects of Vitamin D, Nutrients 2019, 11, 1460". Nutrients 2019. PMID 31514355
- Griebling TL. Re: Comparing Vitamin D Supplementation versus Placebo for Urgency Urinary Incontinence: A Pilot Study. J Urol 2019. PMID 31347963
- Hasanloei MAV, et al. Effect of Oral Versus Intramuscular Vitamin D Replacement

- on Oxidative Stress and Outcomes in Traumatic Mechanical Ventilated Patients Admitted to Intensive Care Unit. Nutr Clin Pract 2019. PMID 31486158
- Inostroza Flores G, et al. [How does vitamin D influence body composition, sarcopenia and lifespan in older persons? A retrospective study of nine years]. Nutr Hosp 2019. PMID 31516005 Spanish.
- Ionica M, et al. VITAMIN D ALLEVIATES OX-IDATIVE STRESS IN ADIPOSE TISSUE AND MESENTERIC VESSELS FROM OBESE PATIENTS WITH SUBCLINICAL INFLAM-MATION. Can J Physiol Pharmacol 2019. PMID 31545914
- Jiang X, et al. The genetics of vitamin D. Bone 2019. PMID 30316967
- Keflie TS, et al. Impact of the natural resource of UVB on the content of vitamin D(2) in oyster mushroom (Pleurotus ostreatus) under subtropical settings. Saudi J Biol Sci 2019. PMID 31762650
- Khayyatzadeh SS, et al. What is the best solution to manage vitamin D deficiency? IUBMB Life 2019 - Review. PMID 30932323
- Kim DK, et al. The Relationship between Vitamin D Status and Rotator Cuff Muscle Strength in Professional Volleyball Athletes. Nutrients 2019. PMID 31739527
- Kocaturk T, et al. Effects of vitamin D deficiency on intraocular pressure values obtained by ocular response analyzer. Int Ophthalmol 2019. PMID 31758509
- Krull C, et al. Intervention for Increasing Vitamin D Supplementation in a Deficient Rehabilitation Population: Outcomes of a Quality Improvement Initiative. PM R 2019. PMID 30688030
- Kumar A and Estrada DF. Specificity of the Redox Complex between Cytochrome P450 24A1 and Adrenodoxin Relies on Carbon-25 Hydroxylation of Vitamin-D Substrate. Drug Metab Dispos 2019. PMID 31289106
- Kuwabara A, et al. A simple questionnaire for the prediction of vitamin D deficiency in Japanese adults (Vitamin D Deficiency questionnaire for Japanese: VDDQ-J). J Bone Miner Metab 2019. PMID 30721357

- Kühn J, et al. Feasibility of artificial light regimes to increase the vitamin D content in indoor-laid eggs. Poult Sci 2019. PMID 31041442
- Larson-Meyer DE, et al. Validation of a Vitamin D Specific Questionnaire to Determine Vitamin D Status in Athletes. Nutrients 2019. PMID 31717985
- Lee C, et al. Getting underneath the skin: A community engagement event for optimal vitamin D status in an 'easily overlooked' group. Health Expect 2019. PMID 31605450
- Le Moigno JM, et al. Clinical identification of older adults with hypovitaminosis D: Feasibility, acceptability and accuracy of the 'Vitamin D Status Diagnosticator' in primary care. J Steroid Biochem Mol Biol 2019. PMID 31689505
- Lippi G and Targher G. Are we overrating the extra-skeletal benefits of oral vitamin D supplementation? Ann Transl Med 2019. PMID 31700935
- Lucas A and Wolf M. Vitamin D and Health Outcomes: Then Came the Randomized Clinical Trials. JAWA 2019. PMID 31703117
- Luttmann-Gibson H, et al. Serum 25-hydroxyvitamin D in the VITamin D and OmegA-3 Trial (VITAL): Clinical and demographic characteristics associated with baseline and change with randomized vitamin D treatment. Contemp Clin Trials 2019. PMID 31669447
- Lu X, et al. Vitamin D receptor and metabolite effects on corneal epithelial cell gap junction proteins. Exp Eye Res 2019. PMID 31465769 Free PMC article.
- Lu X and Watsky MA. Influence of Vitamin D on Corneal Epithelial Cell Desmosomes and Hemidesmosomes. Invest Ophthalmol Vis Sci 2019. PMID 31561249
- López García-Franco A, et al. [Author's reply: Vitamin D: The new suit of the Sun King]. Aten Primaria 2019. PMID 31677856 Spanish.
- Malihi Z, et al. Risk factors for reporting adverse events and for study withdrawal in a population-based trial of vitamin D supplementation. J Steroid Biochem Mol Biol 2019. PMID 31751782

- Manousaki D and Richards JB. Commentary: Role of vitamin D in disease through the lens of Mendelian randomization-Evidence from Mendelian randomization challenges the benefits of vitamin D supplementation for disease prevention. Int J Epidemiol 2019. PMID 31518416
- Manson JE, et al. Principal Results of the VITamin D and OmegA-3 Trial (VITAL) and Updated Meta-analyses of Relevant Vitamin D Trials. J Steroid Biochem Mol Biol 2019 -Review. PMID 31733345
- Maurya VK, et al. Vitamin D microencapsulation and fortification: Trends and technologies. J Steroid Biochem Mol Biol 2019
   Review. PMID 31586474
- Maurya VK and Aggarwal M. Fabrication of nano-structured lipid carrier for encapsulation of vitamin D(3) for fortification of 'Lassi'; A milk based beverage. J Steroid Biochem Mol Biol 2019. PMID 31325498
- Merker M, et al. Vitamin D deficiency is highly prevalent in malnourished inpatients and associated with higher mortality: A prospective cohort study. Medicine (Baltimore) 2019. PMID 31770235
- Misra M and Marino R. Reply to "Why Secondary Analyses in Vitamin D Clinical Trials
   Are important and How to Improve Vitamin
   D Clinical Trial Outcome Analyses-A Comment on "Extra-Skeletal Effects of Vitamin
   D", Nutrients 2019, 11, 1460". Nutrients
   2019. PMID 31514394
- Mitbumrung W, et al. Encapsulation of Vitamin D(3) in Pickering Emulsion Stabilized by Nanofibrillated Mangosteen Cellulose: Effect of Environmental Stresses. J Food Sci 2019. PMID 31589344
- Moyersoen I, et al. A Novel Approach to Optimize Vitamin D Intake in Belgium through Fortification Based on Representative Food Consumption Data. J Nutr 2019. PMID 31204779
- Munshi RP, et al. Assessing the Effectiveness of Panchatikta Ghrita, a Classical Ayurvedic Formulation as Add-on Therapy to Vitamin D(3) and Calcium Supplements in Patients with Osteopenia: A Randomized, Open-Labeled, Comparative, Controlled Clinical Study. J Altern Complement Med 2019. PMID 31460771
- Murthykumar K, et al. Association of vi-

- tamin D receptor gene polymorphism (rs10735810) and chronic periodontitis. J Investig Clin Dent 2019. PMID 31325246
- Mäkitaipale J, et al. Diet is a main source of vitamin D in Finnish pet rabbits (Oryctolagus cuniculus). J Anim Physiol Anim Nutr (Berl) 2019. PMID 31152471
- Nikooyeh B, et al. Vitamin D-fortified cooking oil is an effective way to improve vitamin D status: an institutional efficacy trial. Eur J Nutr 2019. PMID 31606753
- Oikeh I, et al. Interactions between dietary calcium and phosphorus level, and vitamin D source on bone mineralization, performance, and intestinal morphology of coccidia-infected broilers 1. Poult Sci 2019. PMID 31222321
- Orces C. The Association between Body Mass Index and Vitamin D Supplement Use among Adults in the United States. Cureus 2019. PMID 31720189
- Porto CM, et al. Correction to: Contributions of Vitamin D in the management of depressive symptoms and cardiovascular risk factors: study protocol for a randomized, double-blind, placebo-controlled clinical trial. Trials 2019. PMID 31722725
- Proserpio C, et al. Effect of Vitamin D(2) Fortification Using Pleurotus ostreatus in a Whole-Grain Cereal Product on Child Acceptability. Nutrients 2019. PMID 31614966
- Reid IR and Bolland MJ. Controversies in medicine: the role of calcium and vitamin D supplements in adults. Med J Aust 2019
   Review. PMID 31680267
- Reyes-Garcia R, et al. Factors Predicting the Response to a Vitamin D-Fortified Milk in Healthy Postmenopausal Women. Nutrients 2019. PMID 31689902
- Roizen JD and Levine MA. Vitamin D therapy and the era of precision medicine. J Clin Endocrinol Metab 2019. PMID 31665328
- Rowan FE, et al. Self-Directed Oral Vitamin D Supplementation in Professional Ballet Dancers: A Randomized Controlled Trial Pilot Study. J Dance Med Sci 2019. PMID 31500690
- Rullo J, et al. Intraocular Calcidiol: Uncovering a role for vitamin D in the eye. J Steroid Biochem Mol Biol 2019. PMID 31734492

- Scholten SD, et al. Physical performance is not improved with vitamin D repletion: a randomized trial. J Sports Med Phys Fitness 2019. PMID 31565909
- Seo MW, et al. The Associations of Vitamin D Status with Athletic Performance and Blood-borne Markers in Adolescent Athletes: A Cross-Sectional Study. Int J Environ Res Public Health 2019. PMID 31540105
- Shirvani A, et al. Disassociation of Vitamin D's Calcemic Activity and Non-calcemic Genomic Activity and Individual Responsiveness: A Randomized Controlled Double-Blind Clinical Trial. Sci Rep 2019. PMID 31776371
- Sizar O and Givler A. Vitamin D Deficiency. StatPearls. StatPearls Publishing 2019 Jan - Review. PMID 30335299
- Skrobot W, et al. Early Rehabilitation Program and Vitamin D Supplementation Improves Sensitivity of Balance and the Postural Control in Patients after Posterior Lumbar Interbody Fusion: A Randomized Trial. Nutrients 2019. PMID 31547377
- Tang D, et al. Efficient biotransformation of vitamin D(3) to 25-hydroxyvitamin D(3) by a newly isolated Bacillus cereus strain. Appl Microbiol Biotechnol 2019. PMID 31776608
- Walia N and Chen L. Pea protein based vitamin D nanoemulsions: Fabrication, stability and in vitro study using Caco-2 cells. Food Chem 2020. PMID 31518841
- Wan QS, et al. Role of Vitamin D Receptor Gene Polymorphisms on the Susceptibility to Periodontitis: A Meta-Analysis of a Controversial Issue. Genet Test Mol Biomarkers 2019. PMID 31448964
- Wiciński M, et al. Impact of Vitamin D on Physical Efficiency and Exercise Performance-A Review. Nutrients 2019. PMID 31752277
- Williams CE, et al. Rate of change of circulating 25-hydroxyvitamin D following sublingual and capsular vitamin D preparations.
   Eur. J. Clin Nutr 2019. PMID 31548595
- Xu Z, et al. Effects of UV-C treatment and ultrafine-grinding on the biotransformation of ergosterol to vitamin D(2), physiochemical properties, and antioxidant properties of shiitake and Jew's ear. Food Chem 2019. PMID 31706679

- Yu X, et al. Associations between vitamin D receptor genetic variants and periodontitis: a meta-analysis. Acta Odontol Scand 2019. PMID 30957605
- Zareie M, et al. Thermal Stability and Kinetic Study on Thermal Degradation of Vitamin D(3) in Fortified Canola Oil. J Food Sci 2019. PMID 31441511
- Zhang H, et al. MLL1 Inhibition and Vitamin D Signaling Cooperate to Facilitate the Expanded Pluripotency State. Cell Rep 2019. PMID 31775036

#### **NEUROLOGY**

- [No authors listed] Does evidence support vitamin D treatment for multiple sclerosis? Drug Ther Bull 2019. PMID 31542721
- Abbatemarco JR, et al. Vitamin D and MRI measures in progressive multiple sclerosis. Mult Scler Relat Disord 2019. PMID 31445221 Free PMC article.
- Aygun H, et al. Effects of vitamin D and paricalcitol on epileptogenesis and behavioral properties of WAG/Rij rats with absence epilepsy. Epilepsy Res 2019. PMID 31581040
- Bagińska J, et al. The role of vitamin D replacement therapy in serum FGF23 concentration in children with myelomeningocele compared with healthy children - a preliminary study. J Pediatr Endocrinol Metab 2019. PMID 31465293
- Bahrami A, et al. Common Polymorphisms in Genes Related to Vitamin D Metabolism Affect the Response of Cognitive Abilities to Vitamin D Supplementation. J Mol Neurosci 2019. PMID 31313056
- Banafshe HR, et al. Vitamin D supplementation attenuates the behavioral scores of neuropathic pain in rats. Nutr Neurosci 2019. PMID 29431049
- Berghout BBP, et al. Response by Berghout et al to Letters Regarding Article, "Vitamin D Status and Risk of Stroke: The Rotterdam Study". Stroke 2019. PMID 31690251
- Berghout BP, et al. Vitamin D Status and Risk of Stroke: The Rotterdam Study. Stroke 2019. PMID 31390971
- Bivona G, et al. Standardized measurement of circulating vitamin D [25(OH)D]

- and its putative role as a serum biomarker in Alzheimer's disease and Parkinson's disease. Clin Chim Acta 2019 - Review. PMID 31330127
- Bivona G, et al. Vitamin D and the nervous system. Neurol Res 2019. PMID 31142227
- Boucher BJ and Grant WB. Letter by Boucher and Grant Regarding Article, "Vitamin D Status and Risk of Stroke: The Rotterdam Study". Stroke 2019. PMID 31690253
- Chai B, et al. Vitamin D deficiency as a risk factor for dementia and Alzheimer's disease: an updated meta-analysis. BMC Neurol 2019. PMID 31722673
- Derakhshan R, et al. Abnormal vitamin D and lipid profile in HTLV-1-associated myelopathy/tropical spastic paraparesis (HAM/TSP) patients. Mol Biol Rep 2019. PMID 31713009
- Doosti-Irani A, et al. The effects of vitamin D supplementation on expanded disability status scale in people with multiple sclerosis: A critical, systematic review and metaanalysis of randomized controlled trials. Clin Neurol Neurosurg 2019 - Review. PMID 31669929
- Erdem H, et al. Vitamin D as a Potential Agent for Ischemic Axonal Regeneration after Epineurial Devascularization of the Sciatic Nerve. Curr Neurovasc Res 2019. PMID 31486754
- Evans CS, et al. Vitamin D Deficiency and Long-Term Cognitive Impairment Among Older Adult Emergency Department Patients. West J Emerg Med 2019. PMID 31738720
- Fang N, et al. Identification of a novel melatonin-binding nuclear receptor: Vitamin D receptor. J Pineal Res 2019. PMID 31631405
- Fashanu OE, et al. Mid-life serum Vitamin D concentrations were associated with incident dementia but not late-life neuropsychological performance in the Atherosclerosis Risk in Communities (ARIC) Study. BMC Neurol 2019. PMID 31640594
- Feng X, et al. Vitamin D enhances responses to interferon-β in MS. Neurol Neuroimmunol Neuroinflamm 2019. PMID 31582399

- Foucault G, et al. Serum Vitamin D and Cingulate Cortex Thickness in Older Adults: Quantitative MRI of the Brain. Curr Alzheimer Res 2019. PMID 31724514
- Garg D, et al. Letter by Garg et al Regarding Article, "Vitamin D Status and Risk of Stroke: The Rotterdam Study". Stroke 2019. PMID 31690250
- Ghazavi H, et al. Investigation of vitamin D levels in patients with Sudden Sensory-Neural Hearing Loss and its effect on treatment. Am J Otolaryngol 2019. PMID 31735446
- Hajimohammadebrahim-Ketabforoush M, et al. Effect of Vitamin D Supplementation on Postcraniotomy Pain After Brain Tumor Surgery: A Randomized Clinical Trial. World Neurosurg 2019. PMID 31181357
- Hoepner R, et al. Vitamin D increases glucocorticoid efficacy via inhibition of mTORC1 in experimental models of multiple sclerosis. Acta Neuropathol 2019. PMID 31030237 Free PMC article.
- Hupperts R, et al. Randomized trial of daily high-dose vitamin D(3) in patients with RRMS receiving subcutaneous interferon β-1a. Neurology 2019. PMID 31594857
- Irving AA, et al. UV light suppression of EAE (a mouse model of multiple sclerosis) is independent of vitamin D and its receptor. Proc Natl Acad Sci U S A 2019. PMID 31636184
- Jafarzadeh A, et al. Vitamin D down-regulates the expression of some Th17 cell-related cytokines, key inflammatory chemokines, and chemokine receptors in experimental autoimmune encephalomyelitis. Nutr Neurosci 2019. PMID 29447086
- Jayedi A, et al. Vitamin D status and risk of dementia and Alzheimer's disease: A meta-analysis of dose-response. Nutr Neurosci 2019. PMID 29447107
- Karaer I and Akalın Y. Low Vitamin B12 level and Vitamin D level Adversely Affect on Cochlear Health in Women. Int J Vitam Nutr Res 2019. PMID 31623529
- Karsy M, et al. The effect of supplementation of vitamin D in neurocritical care patients: RandomizEd Clinical Trlal oF hypovitaminosis D (RECTIFY). J Neurosurg 2019. PMID 31518978

- Kaur P and Chakrabarty B. Vitamin D and Neurological Disorders: The Conundrum Continues. Indian J Pediatr 2019 - Review. PMID 31147903
- Khairy EY and Attia MM. Protective effects of vitamin D on neurophysiologic alterations in brain aging: role of brain-derived neurotrophic factor (BDNF). Nutr Neurosci 2019. PMID 31524100
- Mazdeh M, et al. Expression analysis of vitamin D receptor-associated lncRNAs in epileptic patients. Metab Brain Dis 2019. PMID 31187385
- Medhat E, et al. Exercise enhances the effectiveness of vitamin D therapy in rats with Alzheimer's disease: emphasis on oxidative stress and inflammation. Metab Brain Dis 2019. PMID 31691146
- Müller T, et al. Vitamin D rise enhances blood perfusion in patients with multiple sclerosis. J Neural Transm (Vienna) 2019. PMID 31620863
- Norlin M. Effects of vitamin D in the nervous system: Special focus on interaction with steroid hormone signalling and a possible role in the treatment of brain cancer.
   J Neuroendocrinol 2019 Review. PMID 31593305
- Overeem K, et al. Developmental Vitamin D Deficiency in the Rat Impairs Recognition Memory, but Has No Effect on Social Approach or Hedonia. Nutrients 2019. PMID 31717473
- Poisbeau P, et al. Cholecalciferol (Vitamin D(3)) Reduces Rat Neuropathic Pain by Modulating Opioid Signaling. Mol Neurobiol 2019. PMID 31001801
- Rui-Hua C, et al. Decreased Levels of Serum IGF-1 and Vitamin D Are Associated With Cognitive Impairment in Patients With Type 2 Diabetes. Am J Alzheimers Dis Other Demen 2019. PMID 31319676
- Shi H, et al. 25-Hydroxyvitamin D level, vitamin D intake, and risk of stroke: A dose-response meta-analysis. Clin Nutr 2019. PMID 31530422
- Shih EJ, et al. Effect of vitamin D on cognitive function and white matter hyperintensity in patients with mild Alzheimer's disease. Geriatr Gerontol Int 2019. PMID 31773862

- Smolders J, et al. An Update on Vitamin D and Disease Activity in Multiple Sclerosis. CNS Drugs 2019 - Review. PMID 31686407
- Smolders J, et al. Vitamin D(3) supplementation and neurofilament light chain in multiple sclerosis. Acta Neurol Scand 2019. PMID 31657006
- Spanier JA, et al. Vitamin D(3)-mediated resistance to a multiple sclerosis model disease depends on myeloid cell 1,25-dihydroxyvitamin D(3) synthesis and correlates with increased CD4(+) T cell CTLA-4 expression. J Neuroimmunol 2019. PMID 31731231
- Stephenson A, et al. Genetic, environmental and biomarker considerations delineating the regulatory effects of vitamin D on central nervous system function. Br J Nutr 2019. PMID 31640823
- Terock J, et al. Posttraumatic stress disorder is associated with reduced vitamin D levels and functional polymorphisms of the vitamin D binding-protein in a population-based sample. Prog Neuropsychopharmacol Biol Psychiatry 2020. PMID 31518608
- Tofail F, et al. Association of vitamin D nutrition with neuro-developmental outcome of infants of slums in Bangladesh. PLoS One 2019. PMID 31557172
- Xu Z, et al. Valproate decreases vitamin D levels in pediatric patients with epilepsy. Seizure 2019 - Review. PMID 31207394
- Yang B, et al. Association between serum vitamin D levels and benign paroxysmal positional vertigo: a systematic review and meta-analysis of observational studies. Eur Arch Otorhinolaryngol 2019. PMID 31630244

#### **NEPHROLOGY**

- Abdel Moneim LM, et al. Co-targeting of endothelin-(A) and vitamin D receptors: a novel strategy to ameliorate cisplatin-induced nephrotoxicity. Pharmacol Rep 2019. PMID 31430707
- Al-Shaer OS, et al. Association between vitamin D receptor (Fokl) genetic variant rs2228570 and iron profile in hemodialysis patients. Mol Biol Rep 2019. PMID 31679114

- Amar A, et al. Association of vitamin D receptor gene polymorphisms and risk of urolithiasis: results of a genetic epidemiology study and comprehensive meta-analysis. Urolithiasis 2019. PMID 31515573
- Bentata Y. Benefit-risk balance of native vitamin D supplementation in chronic hemodialysis: what can we learn from the major clinical trials and international guidelines?
   Ren Fail 2019. PMID 31267807 Free PMC article.
- Bouderlique E, et al. Vitamin D and Calcium Supplementation Accelerates Randall's Plaque Formation in a Murine Model. Am J Pathol 2019. PMID 31449775
- Capelli I, et al. NUTRITIONAL VITAMIN D IN CKD: SHOULD WE MEASURE ? SHOULD WE TREAT? Clin Chim Acta 2019. PMID 31770508
- Cheung WW, et al. Vitamin D repletion ameliorates adipose tissue browning and muscle wasting in infantile nephropathic cystinosis-associated cachexia. J Cachexia Sarcopenia Muscle 2019. PMID 31721480
- Fakhoury M, et al. Vitamin D deficiency and kidney hyperfiltration: a mechanism of kidney injury? Ann Transl Med 2019. PMID 31656786
- Howles SA, et al. Genetic variants of calcium and vitamin D metabolism in kidney stone disease. Nat Commun 2019. PMID 31729369
- Kara AV and Soylu YE. The relationship between vitamin D and inflammatory markers in maintenance hemodialysis patients. Int Urol Nephrol 2019. PMID 31385179
- Kaya B, et al. Evaluation of the Relationship Between Homocysteine, Parathormone, VitaminD(3), and Bone Mineral Densitometry in Recipients of Kidney Transplant. Transplant Proc 2019. PMID 31402249
- Kyun Choi C, et al. Serum level vitamin D and parathyroid hormone, and mortality, with or without chronic kidney disease. J Bone Miner Metab 2019. PMID 30535953
- Li A, et al. LC3 promotes the nuclear translocation of the vitamin D receptor and decreases fibrogenic gene expression in proximal renal tubules. Metabolism 2019. PMID 31226352

- Liu Y, et al. Activation of vitamin D receptor attenuates high glucose-induced cellular injury partially dependent on CYP2J5 in murine renal tubule epithelial cell. Life Sci 2019. PMID 31415769
- Machado HKAG, et al. Chronic kidney disease is a main confounding factor for 25-vitamin Dmeasurement. J Bras Nefrol 2019.
   PMID 31769778
- Melo TL, et al. Expression of vitamin D receptor, CYP27B1 and CYP24A1 hydroxylases and 1,25-dihydroxyvitamin D(3) levels in stone formers. Urolithiasis 2019. PMID 31696245
- Meyer MB and Pike JW. Mechanistic homeostasis of vitamin D metabolism in the kidney through reciprocal modulation of Cyp27b1 and Cyp24a1 expression. J Steroid Biochem Mol Biol 2019 - Review. PMID 31629064
- Milajerdi A, et al. The effects of vitamin D treatment on glycemic control, serum lipid profiles, and C-reactive protein in patients with chronic kidney disease: a systematic review and meta-analysis of randomized controlled trials. Int Urol Nephrol 2019 -Review. PMID 31338797
- Pereira RC, et al. Vitamin D sterols increase FGF23 expression by stimulating osteoblast and osteocyte maturation in CKD bone. Bone 2019. PMID 31377240 Free PMC article.
- Sasak G and Bakan A. Is Vitamin D Deficiency Associated With Metabolic Syndrome in Renal Transplant Recipients? Transplant Proc 2019. PMID 31474294
- Wickstrom JF, et al. The Likelihood of Self-reporting Balance Problems in Those With Advanced Chronic Kidney Disease, Slow Gait Speed, or Low Vitamin D. J Ren Nutr 2019. PMID 30581062
- Wu CC, et al. Antiproteinuria Effect of Calcitriol in Patients With Chronic Kidney Disease and Vitamin D Deficiency: A Randomized Controlled Study. J Ren Nutr 2019. PMID 31704188
- Xiaowei L, et al. Comparison of the effects of valsartan plus activated vitamin D versus valsartan alone in IgA nephropathy with moderate proteinuria. Int Urol Nephrol 2019. PMID 31768803

- Xu J, et al. Cinacalcet plus vitamin D versus vitamin D alone for the treatment of secondary hyperparathyroidism in patients undergoing dialysis: a meta-analysis of randomized controlled trials. Int Urol Nephrol 2019. PMID 31531805
- Yajima A, et al. The Importance of Biologically Active Vitamin D for Mineralization by Osteocytes After Parathyroidectomy for Renal Hyperparathyroidism. JBMR Plus 2019. PMID 31768492
- Yang SK, et al. Association of Vitamin D Receptor Gene Polymorphism With the Risk of Nephrolithiasis. Ther Apher Dial 2019. PMID 30701705
- Yavuz YC, et al. Association of depressive symptoms with 25(OH) vitamin D in hemodialysis patients and effect of gender. Clin Exp Nephrol 2019. PMID 31544220

## **ONCOLOGY**

- Alkan A and Köksoy EB. Vitamin D deficiency in cancer patients and predictors for screening (D-ONC study). Curr Probl Cancer 2019. PMID 30683325
- Arnaout A, et al. Randomized window of opportunity trial evaluating high-dose vitamin D in breast cancer patients. Breast Cancer Res Treat 2019. PMID 31399931
- Blajszczak CC and Nonn L. Vitamin D regulates prostate cell metabolism via genomic and non-genomic mitochondrial redox-dependent mechanisms. J Steroid Biochem Mol Biol 2019. PMID 31574299
- Brown RB. Author Response to "In Defense of the UVB-Vitamin D-Cancer Hypothesis.". Endocrine 2019. PMID 31493272
- Francis I, et al. Vitamin D pathway related polymorphisms and vitamin D receptor expression in breast cancer. Int J Vitam Nutr Res 2019. PMID 31623531
- Grant WB. In defense of the UVB-vitamin D-cancer hypothesis. Endocrine 2019. PMID 31392627
- Grant WB and Moukayed M. Vitamin D(3) from Ultraviolet-B Exposure or Oral Intake in Relation to Cancer Incidence and Mortality. Curr Nutr Rep 2019 - Review. PMID 31055734
- Horas K, et al. Loss of the Vitamin D Recep-

- tor in Human Breast Cancer Cells Promotes Epithelial to Mesenchymal Cell Transition and Skeletal Colonization. J Bone Miner Res 2019. PMID 30995345
- Hosseinzadeh P, et al. The Association of Dietary Intake of Calcium and Vitamin D to Colorectal Cancer Risk among Iranian Population. Asian Pac J Cancer Prev 2019. PMID 31.5.543.83
- Huang D, et al. Additively protective effects of vitamin D and calcium against colorectal adenoma incidence, malignant transformation and progression: A systematic review and meta-analysis. Clin Nutr 2019. PMID 31784301
- Jiang X, et al. Circulating vitamin D concentrations and risk of breast and prostate cancer: a Mendelian randomization study. Int J Epidemiol 2019. PMID 30597039
- Kalia S and Kwong YKK. Relationship between sun safety behaviours and modifiable lifestyle cancer risk factors and vitamin D levels. Photodermatol Photoimmunol Photomed 2019. PMID 31166633
- Kazemian E, et al. Correction to: Vitamin
  D receptor gene polymorphisms affecting
  changes in visceral fat, waist circumference
  and lipid profile in breast cancer survivors supplemented with vitamin D3. Lipids
  Health Dis 2019. PMID 31521173
- Kong J, et al. Genetic Polymorphisms in the Vitamin D Pathway and Non-small Cell Lung Cancer Survival. Pathol Oncol Res 2019. PMID 31625015
- Kratzer TB, et al. Vitamin D binding protein and risk of renal cell carcinoma in the prostate, lung, colorectal and ovarian cancer screening trial. Int J Cancer 2019. PMID 31659740
- Laczmanski L, et al. Association of select vitamin D receptor gene polymorphisms with the risk of tobacco-related cancers

   a meta-analysis. Sci Rep 2019. PMID 31690771
- Li W, et al. Vitamin D and the nutritional environment in functions of intestinal stem cells: implications for tumorigenesis and prevention. J Steroid Biochem Mol Biol 2019 - Review. PMID 31783155
- Madden JM, et al. Fitting marginal structural and G-estimation models under complex

- treatment patterns: investigating the association between de novo vitamin D supplement use post breast cancer diagnosis and all-cause mortality using linked pharmacy claim and registry data. Am J Epidemiol 2019. PMID 31673702
- Maj E, et al. Differential response of lung cancer cell lines to vitamin D derivatives depending on EGFR, KRAS, p53 mutation status and VDR polymorphism. J Steroid Biochem Mol Biol 2019. PMID 31326626
- Mittal S, et al. Vitamin D Receptor and Role of Vitamin D Supplementation in Advanced Gallbladder Cancer: A Prospective Study from Northern India. Gulf J Oncolog 2019. PMID 31591986
- Muralidhar S, et al. Vitamin D-VDR signaling inhibits Wnt/beta-catenin-mediated melanoma progression and promotes anti-tumor immunity. Cancer Res 2019. PMID 31690667
- Smith KW, et al. Effects of vitamin D as a regulator of androgen intracrinology in LN-CAP prostate cancer cells. Biochem Biophys Res Commun 2019. PMID 31537382
- Song J, et al. The correlation between low vitamin D status and renal interleukin-6/ STAT3 hyper-activation in patients with clear cell renal cell carcinoma. Steroids 2019. PMID 31295461
- Toprak B, et al. No association of serum PSA with vitamin D or total oxidant-antioxidant capacity in healthy men. Aging Male 2019. PMID 30084276
- Wijnia JW, et al. Vitamin D supplementation after malnutrition associated with time-related increase of cancer diagnoses:
   A cohort study of 389 patients with Wernicke-Korsakoff syndrome. Nutrition 2019.

   PMID 31310957
- Xu S, et al. The Vitamin D status is associated with serum C-reactive protein and adhesion molecules in patients with renal cell carcinoma. Sci Rep 2019. PMID 31723229
- Yonaga H, et al. Effect Modification of Vitamin D Supplementation by Histopathological Characteristics on Survival of Patients with Digestive Tract Cancer: Post Hoc Analysis of the AMATERASU Randomized Clinical Trial. Nutrients 2019. PMID 31652554

- Zhang X and Niu W. Meta-analysis of randomized controlled trials on vitamin D supplement and cancer incidence and mortality. Biosci Rep 2019. PMID 31696224
- Zhu M, et al. Association of the vitamin D metabolism gene GC and CYP27B1 polymorphisms with cancer susceptibility: a meta-analysis and trial sequential analysis. Biosci Rep 2019. PMID 31467173

# **OBSTETRICS GYNECOLOGY**

- Amegah AK, et al. Sunlight exposure, consumption of vitamin D-rich foods and vulvovaginal candidiasis in an African population: a prevalence case-control study. Eur J Clin Nutr 2019. PMID 31636409
- Arab A, et al. The association between serum vitamin D, fertility and semen quality:
   A systematic review and meta-analysis. Int J Surg 2019 Review. PMID 31561004
- Arab A, et al. The Association Between Vitamin D and Premenstrual Syndrome: A Systematic Review and Meta-Analysis of Current Literature. J Am Coll Nutr 2019. PMID 31074708
- Baek JC, et al. Differences in 25-hydroxy vitamin D and vitamin D-binding protein concentrations according to the severity of endometriosis. Clin Exp Reprod Med 2019. PMID 31370113 Free PMC article.
- Barišić A, et al. Genetic variation in the maternal vitamin D receptor Fokl gene as a risk factor for recurrent pregnancy loss. J Matern Fetal Neonatal Med 2019. PMID 31446814
- Barrientos-Rios R, et al. Low bone mineral density and renal malformation in Mexican patients with Turner syndrome are associated with single nucleotide variants in vitamin D-metabolism genes. Gynecol Endocrinol 2019. PMID 30887870
- Behmanesh N, et al. Effects of vitamin D supplementation on follicular development, gonadotropins and sex hormone concentrations, and insulin resistance in induced polycystic ovary syndrome. Turk J Obstet Gynecol 2019. PMID 31673465
- Cho MC, et al. Analysis of vitamin D-binding protein (VDBP) gene polymorphisms in Korean women with and without endometriosis. Clin Exp Reprod Med 2019. PMID 31405270 Free PMC article.

- Corachán A, et al. Long-term vitamin D treatment decreases human uterine leiomyoma size in a xenograft animal model. Fertil Steril 2019. PMID 31739978
- Courbebaisse M, et al. Vitamin D status during pregnancy and in cord blood in a large prospective French cohort. Clin Nutr 2019. PMID 30224306
- Ding L, et al. Toxicity of cooking oil fume derived particulate matter: Vitamin D(3) protects tubule formation activation in human umbilical vein endothelial cells. Ecotoxicol Environ Saf 2019. PMID 31706245
- Eftekhar M, et al. Is there any association between vitamin D levels and polycystic ovary syndrome (PCOS) phenotypes? Arch Endocrinol Metab 2019. PMID 31576965
- Fatemi M, et al. Comparison of serum level of some trace elements and vitamin D between patients with premenstrual syndrome and normal controls: A cross-sectional study. Int J Reprod Biomed (Yazd) 2019. PMID 31646259
- Fogacci S, et al. Vitamin D supplementation and incident preeclampsia: A systematic review and meta-analysis of randomized clinical trials. Clin Nutr 2019. PMID 31526611
- Gallo S, et al. Vitamin D Supplementation during Pregnancy: An Evidence Analysis Center Systematic Review and Meta-Analysis. J Acad Nutr Diet 2019. PMID 31669079
- Griew K, et al. Early pregnancy vitamin D deficiency and gestational diabetes: Exploring the link. Aust J Gen Pract 2019. PMID 31722465
- Haghdoost S, et al. Association of serum vitamin D levels and urinary tract infection in pregnant women: A case control study. Eur J Obstet Gynecol Reprod Biol 2019. PMID 31671292
- Heidari H, et al. Vitamin D Supplementation for Premenstrual Syndrome-Related inflammation and antioxidant markers in students with vitamin D deficient: a randomized clinical trial. Sci Rep 2019. PMID 31624297
- Jamilian M, et al. The effects of vitamin D and probiotic co-supplementation on glucose homeostasis, inflammation, oxidative stress and pregnancy outcomes in gestation-

- al diabetes: A randomized, double-blind, placebo-controlled trial. Clin Nutr 2019. PMID 30459099
- Jensen A, et al. Chances of live birth after exposure to vitamin D-fortified margarine in women with fertility problems: results from a Danish population-based cohort study. Fertil Steril 2019. PMID 31759634
- Lajtai K, et al. Effects of Vitamin D Deficiency on Proliferation and Autophagy of Ovarian and Liver Tissues in a Rat Model of Polycystic Ovary Syndrome. Biomolecules 2019. PMID 31509973
- Leere JS and Vestergaard P. Calcium Metabolic Disorders in Pregnancy: Primary Hyperparathyroidism, Pregnancy-Induced Osteoporosis, and Vitamin D Deficiency in Pregnancy. Endocrinol Metab Clin North Am 2019 - Review. PMID 31345528
- Lumme J, et al. Vitamin D Levels in Women with Polycystic Ovary Syndrome: A Population-Based Study. Nutrients 2019. PMID 31752304
- López-Baena MT, et al. Vitamin D, menopause, and aging: quo vadis? Climacteric 2019. PMID 31736391
- López-Vicente M, et al. Maternal circulating Vitamin D(3) levels during pregnancy and behaviour across childhood. Sci Rep 2019. PMID 31616023
- Masjedi F, et al. Effects of vitamin D on steroidogenesis, reactive oxygen species production, and enzymatic antioxidant defense in human granulosa cells of normal and polycystic ovaries. J Steroid Biochem Mol Biol 2019. PMID 31705961
- Moore CJ, et al. Diet in Early Pregnancy: Focus on Folate, Vitamin B12, Vitamin D, and Choline. Can J Diet Pract Res 2019. PMID 31512510
- Motamed S, et al. Efficacy of two different doses of oral vitamin D supplementation on inflammatory biomarkers and maternal and neonatal outcomes. Matern Child Nutr 2019. PMID 31250540
- Muyayalo KP, et al. Low circulating levels of vitamin D may contribute to the occurrence of preeclampsia through deregulation of Treg /Th17 cell ratio. Am J Reprod Immunol 2019. PMID 31299118

- Naidoo Y, et al. Polymorphisms within vitamin D binding protein gene within a Pre-eclamptic South African population. Hypertens Pregnancy 2019. PMID 31559882
- Nandi A, et al. Association of vitamin D with fatty acids in pregnancy. Prostaglandins Leukot Essent Fatty Acids 2019. PMID 31753523
- Nema J, et al. Role of vitamin D in influencing angiogenesis in preeclampsia. Hypertens Pregnancy 2019. PMID 31340689
- Paffoni A, et al. Effect of vitamin D supplementation on assisted reproduction technology (ART) outcomes and underlying biological mechanisms: protocol of a randomized clinical controlled trial. The "supplementation of vitamin D and reproductive outcome" (SUNDRO) study. BMC Pregnancy Childbirth 2019. PMID 31675919
- Pakniat H, et al. Comparison of the effect of vitamin E, vitamin D and ginger on the severity of primary dysmenorrhea: a single-blind clinical trial. Obstet Gynecol Sci 2019. PMID 31777743 Free PMC article.
- Palacios C, et al. Regimens of vitamin D supplementation for women during pregnancy. Cochrane Database Syst Rev 2019
   - Review. PMID 31581312
- Perreault M, et al. Summer Season and Recommended Vitamin D Intake Support Adequate Vitamin D Status throughout Pregnancy in Healthy Canadian Women and Their Newborns. J Nutr 2019. PMID 31732740
- Rizzo G, et al. Vitamin D and Gestational Diabetes Mellitus: Is There a Link? Antioxidants (Basel) 2019 - Review. PMID 31731439
- Schoos AM, et al. Environmental and Genetic Determinants of Serum 25(OH)-Vitamin D Levels during Pregnancy and Early Childhood. Children (Basel) 2019. PMID 31640192
- Shao B, et al. The interaction between prepregnancy BMI and gestational vitamin D deficiency on the risk of gestational diabetes mellitus subtypes with elevated fasting blood glucose. Clin Nutr 2019. PMID 31669001
- Weinberg A, et al. Brief Report: Markers of Spontaneous Preterm Delivery in Women Living With HIV: Relationship With Protease Inhibitors and Vitamin D. J Acquir Immune Defic Syndr 2019. PMID 31513074

- Wisnieski L, et al. Serum vitamin D concentrations at dry-off and close-up predict increased postpartum urine ketone concentrations in dairy cattle. J Dairy Sci 2019. PMID 31759612
- Woo J, et al. Evidence of an Association Between Vitamin D Deficiency and Preterm Birth and Preeclampsia: A Critical Review. J Midwifery Womens Health 2019 - Review. PMID 31411387
- Wu L, et al. Poor ovarian response is associated with serum vitamin D levels and pro-inflammatory immune responses in women undergoing in-vitro fertilization. J Reprod Immunol 2019. PMID 31604165
- Xu J, et al. Downregulation of vitamin D receptor and miR-126-3p expression contributes to increased endothelial inflammatory response in preeclampsia. Am J Reprod Immunol 2019. PMID 31323164
- Yao X, et al. Roles of vitamin D and its receptor in the proliferation and apoptosis of luteinised granulosa cells in the goat. Reprod Fertil Dev 2019. PMID 31708013
- Yin W, et al. [Effect of vitamin D supplementation on gestational diabetes mellitus:a Meta-analysis]. Wei Sheng Yan Jiu 2019. PMID 31601326 Chinese
- Yin WJ, et al. [Trends analysis of vitamin D status among pregnant women in Hefei during 2015-2017]. Zhonghua Yu Fang Yi Xue Za Zhi 2019. PMID 31474080 Chinese
- Yin WJ, et al. The association of vitamin D status and supplementation during pregnancy with gestational diabetes mellitus: a Chinese prospective birth cohort study. Am J Clin Nutr 2019. PMID 31625576
- Yu L, et al. Vitamin D Status in Pregnant Women in Southern China and Risk of Preterm Birth: A Large-Scale Retrospective Cohort Study. Med Sci Monit 2019. PMID 31617502
- Yuniati T, et al. First trimester maternal vitamin D, ferritin, hemoglobin level and their associations with neonatal birthweight: Result from cohort study on vitamin Dstatus and its impact during pregnancy and childhood in Indonesia. J Neonatal Perinatal Med 2019. PMID 31609704
- Zeynali M and Haghighian HK. Is there a relationship between serum vitamin D with

- dysmenorrhea pain in young women? J Gynecol Obstet Hum Reprod 2019. PMID 30898624
- Öcal DF, et al. Vitamin D deficiency in adolescent pregnancy and obstetric outcomes.
   Taiwan J Obstet Gynecol 2019. PMID 31759526

#### **PEDIATRICS**

- Akrour-Aissou C, et al. Impact of vitamin D supplementation model on the circulating levels of 25 (OH) D in Algerian children aged 1-23 months. J Steroid Biochem Mol Biol 2019. PMID 31586639
- Al-Obeidi RA and Al-Numan AH. Study of low vitamin D among children with anorexia in Sulaymaniyah, Kurdistan region, Iraq during summer months. Saudi Med J 2019. PMID 31707410
- Albertini F, et al. Two cases of fractures in neonates associated with maternofetal vitamin D deficiency. Arch Pediatr 2019. PMID 31353147
- Anık A and Akbaba Ö. Vitamin D Deficiency and Insufficiency According to Current Criteria for Children: Vitamin D Status of Elementary School Children in Turkey. J Clin Res Pediatr Endocrinol 2019. PMID 31339257
- Asghari G, et al. The relation between circulating levels of vitamin D and parathyroid hormone in children and adolescents with overweight or obesity: Quest for a threshold. PLoS One 2019. PMID 31770397
- Bacha F, et al. Free Vitamin D: Relationship to Insulin Sensitivity and Vascular Health in Youth. J Pediatr 2019. PMID 31201030
- Brandão-Lima PN, et al. Vitamin D Food Fortification and Nutritional Status in Children: A Systematic Review of Randomized Controlled Trials. Nutrients 2019 - Review. PMID 31739503
- Brickley MB, et al. Using teeth as tools: Investigating the mother-infant dyad and developmental origins of health and disease hypothesis using vitamin D deficiency. Am J Phys Anthropol 2019. PMID 31709512
- Courraud J, et al. Dietary habits, metabolic health and vitamin D status in Greenlandic children. Public Health Nutr 2019. PMID 31573464

- du Toit G, et al. Cow's Milk and Vitamin D Supplementation in Infants-Timing Is Everything. JAMA Pediatr 2019. PMID 31633773
- Ercan N, et al. Is there an association between vitamin D levels and cow's milk protein allergy at infancy? Arch Argent Pediatr 2019. PMID 31560486
- Esmaeili Dooki MR, et al. Vitamin D status in preschool children: should vitamin D supplementation, preventing vitamin D deficiency be continued in children over 2 years? J Public Health (Oxf) 2019. PMID 30137506
- Geoghegan AR, et al. Benefit of Sequential Audit Cycles in Improving Management of Vitamin DDeficiency in the HIV Infected Paediatric Population. Ir Med J 2019. PMID 31650823
- Hoevenaar-Blom MP, et al. Prevalence and determinants of vitamin D deficiency in infants and toddlers in the Netherlands: a pilot study. Ann Clin Biochem 2019. PMID 31154805
- Jaksic M, et al. Association between inflammation, oxidative stress, vitamin D, copper and zinc with pre-obesity and obesity in school children from the city of Podgorica, Montenegro. J Pediatr Endocrinol Metab 2019. PMID 31444965
- Karras SN, et al. Characterizing neonatal vitamin D deficiency in the modern era: a maternal-neonatal birth cohort from Southern Europe. J Steroid Biochem Mol Biol 2019. PMID 31783152
- Kumar BK and Lodha R. Can Vitamin D Supplementation Reduce Risk of Recurrence of Pneumonia in Under-Five Children? Indian J Pediatr 2019. PMID 31705381
- Linden MA, et al. DEFINITION OF VITA-MIN D DEFICIENCY IN SCHOOLCHIL-DREN: SYSTEMATIC REVIEW WITH ME-TA-ANALYSIS. Arq Gastroenterol 2019. PMID 31721968
- Mandlik RM, et al. Paradoxical Response of Parathyroid Hormone to Vitamin D-Calcium Supplementation in Indian Children. J Pediatr 2019. PMID 31704050
- McClorry S, et al. Effectiveness of vitamin D supplementation in Swedish children may be negatively impacted by BMI and se-

rum fructose. J Nutr Biochem 2019. PMID 31707286

- Midtbø LK, et al. Vitamin D status in preschool children and its relations to vitamin D sources and body mass index-Fish Intervention Studies-KIDS (FINS-KIDS). Nutrition 2019. PMID 31739173
- Nalbantoğlu B and Nalbantoğlu A. Vitamin D Levels in Children With Recurrent Aphthous Stomatitis. Ear Nose Throat J 2019. PMID 31631677
- Newton DA, et al. Insights image for vitamin D binding protein polymorphisms significantly impact vitamin D status in children. Pediatr Res 2019. PMID 31234192
- Newton DA, et al. Vitamin D binding protein polymorphisms significantly impact vitamin D status in children. Pediatr Res 2019. PMID 30712059
- O'Callaghan KM, et al. Vitamin D in Breastfed Infants: Systematic Review of Alternatives to Daily Supplementation. Adv Nutr 2019. PMID 31552417
- Razavi Khorasani N, et al. The Association Between Low Levels of Vitamin D and Clinical Outcomes in Critically-III Children: A Systematic Review and Meta-Analysis. Fetal Pediatr Pathol 2019. PMID 31603014
- Sakamoto Y, et al. Physiologic Leg Bowing is not a Physiologic Condition but Instead is Associated with Vitamin D Disorders in Toddlers. Calcif Tissue Int 2019. PMID 31595325
- Walicka-Cupryś K, et al. Evaluation of vitamin D(3) levels and morphotic parameters of blood in prematurely born children at six years of age. Sci Rep 2019. PMID 31636322
- Zhang H, et al. Natural sunlight plus vitamin D supplementation ameliorate delayed early motor development in newborn infants from maternal perinatal depression. J Affect Disord 2019. PMID 31301627
- Zhang X, et al. Clinical features of vitamin D deficiency in children: A retrospective analysis. J Steroid Biochem Mol Biol 2019. PMID 31586638
- Zisi D, et al. The association between vitamin D status and infectious diseases of the respiratory system in infancy and child-

hood. Hormones (Athens) 2019 - Review. PMID 31768940

## **PNEUMOLOGY**

- Aloia JF, et al. Vitamin D and Acute Respiratory Infections-The PODA Trial. Open Forum Infect Dis 2019. PMID 31660391
- Bavi F, et al. Chronic rhinosinusitis with polyposis and serum vitamin D levels. Acta Otorhinolaryngol Ital 2019. PMID 31708580
- Boutaoui N, et al. Epigenome-wide effects of vitamin D on asthma bronchial epithelial cells. Epigenetics 2019. PMID 31122150
- Chen FY, et al. Vitamin D does not improve lung function decline in COPD: a meta-analysis. Eur Rev Med Pharmacol Sci 2019. PMID 31646598
- Daley T, et al. Vitamin D deficiency and its treatment in cystic fibrosis. J Cyst Fibros 2019. PMID 31679731
- Fei J, et al. Low Vitamin D Status Is Associated with Epithelial-Mesenchymal Transition in Patients with Chronic Obstructive Pulmonary Disease. J Immunol 2019. PMID 31427443
- Garcia-Marcos L. The unpredictable levels of vitamin D and their effects on asthma. Allergol Immunopathol (Madr) 2019. PMID 31401986
- Gupta SK and Ramadass S. Vitamin D in chronic obstructive pulmonary disease and asthma in Indian population. Lung India 2019. PMID 31670293
- Hirai K, et al. Comparison of the Association between Circulating Vitamin D(3) Levels and Clinical Outcomes in Patients with Asthma and Chronic Obstructive Pulmonary Disease: A Prospective Observational Study. Biol Pharm Bull 2019. PMID 31484846
- Katayama S, et al. Acute wheeze-specific gene module shows correlation with vitamin D and asthma medication. Eur Respir J 2019. PMID 31619476
- Kelly RS, et al. The role of the 17q21 genotype in the prevention of early childhood asthma and recurrent wheeze by vitamin D. Eur Respir J 2019. PMID 31439681
- Leclair TR, et al. Vitamin D Supplementation in Mechanically Ventilated Patients in the Medical Intensive Care Unit. JPEN J Par-

- enter Enteral Nutr 2019. PMID 30756402
- Li B, et al. Association between serum vitamin D and chronic rhinosinusitis: a meta-analysis. Braz J Otorhinolaryngol 2019. PMID 31653607
- Li SR, et al. Vitamin D deficiency exacerbates bleomycin-induced pulmonary fibrosis partially ly through aggravating TGF-β/Smad2/3-mediated epithelial-mesenchymal transition. Respir Res 2019. PMID 31775746
- Liu J, et al. Meta-analysis of vitamin D and lung function in patients with asthma. Respir Res 2019. PMID 31590675
- Makoui MH, et al. Vitamin D receptor gene polymorphism and susceptibility to asthma: meta-analysis based on 17 case-control studies. Ann Allergy Asthma Immunol 2019. PMID 31654764
- Malliaraki N, et al. Translating vitamin D transcriptomics to clinical evidence: Analysis of data in asthma and chronic obstructive pulmonary disease, followed by clinical data meta-analysis. J Steroid Biochem Mol Biol 2019. PMID 31669573
- Mansy W, et al. Correction to: Vitamin D status and vitamin D receptor gene polymorphism in Saudi children with acute lower respiratory tract infection. Mol Biol Rep 2019. PMID 31093873
- Mathyssen C, et al. Vitamin D Modulates the Response of Bronchial Epithelial Cells Exposed to Cigarette Smoke Extract. Nutrients 2019. PMID 31500220
- Mishra NK, et al. Should vitamin D be routinely checked for all chronic obstructive pulmonary disease patients? Lung India 2019. PMID 31670296
- Mohammadi A, et al. Vitamin D receptor Apal (rs7975232), Bsml (rs1544410), Fok1 (rs2228570), and Taql (rs731236) gene polymorphisms and susceptibility to pulmonary tuberculosis in an Iranian population: A systematic review and meta-analysis. J Microbiol Immunol Infect 2019 - Review. PMID 31740220
- Munkhbayarlakh S, et al. Vitamin D plasma concentration and vitamin D receptor genetic variants confer risk of asthma: A comparison study of Taiwanese and Mongolian populations. World Allergy Organ J 2019. PMID 31719947

- Nasiri-Kalmarzi R, et al. Association of vitamin D genetic pathway with asthma susceptibility in the Kurdish population. J Clin Lab Anal 2019. PMID 31541492
- Panda S, et al. Association of Fok1 VDR polymorphism with Vitamin D and its associated molecules in pulmonary tuberculosis patients and their household contacts. Sci Rep 2019. PMID 31649297
- Rajaram M, et al. Effects of genetic polymorphisms in Vitamin D metabolic pathway on Vitamin Dlevel and asthma control in South Indian patients with bronchial asthma. Lung India 2019. PMID 31670295
- Stefanidis C, et al. Vitamin D for secondary prevention of acute wheeze attacks in preschool and school-age children. Thorax 2019. PMID 31278171
- Tsujino I, et al. Pulmonary activation of vitamin D(3) and preventive effect against interstitial pneumonia. J Clin Biochem Nutr 2019. PMID 31777427
- Xu Y, et al. Budesonide up-regulates vitamin
  D receptor expression in human bronchial fibroblasts and enhances the inhibitory
  effect of calcitriol on airway remodeling.
  Allergol Immunopathol (Madr) 2019. PMID
  31204163
- Zheng X, et al. Effect of Vitamin D(3) on Lung Damage Induced by Cigarette Smoke in Mice. Open Med (Wars) 2019. PMID 31737787
- Zhou YF, et al. The association between vitamin D deficiency and community-acquired pneumonia: A meta-analysis of observational studies. Medicine (Baltimore) 2019. PMID 31567995
- Özdoğan Ş. Seasonal, sex variations in vitamin d levels and their association with pulmonary function in children with asthma. Turk J Med Sci 2019. PMID 31651126

#### **PSYCHIATRY**

- Alavi NM, et al. Effect of vitamin D supplementation on depression in elderly patients: A randomized clinical trial. Clin Nutr 2019. PMID 30316534
- Alzghoul L. Role of Vitamin D in Autism Spectrum Disorder. Curr Pharm Des 2019. PMID 31755381

- Askin M, et al. Relationship between Postmenopausal Vitamin D Level, Menopausal Symptoms and Sexual Functions. J Coll Physicians Surg Pak 2019. PMID 31455475
- Boulkrane MS, et al. Vitamin D and depression in women: a mini-review. Curr Neuro-pharmacol 2019. PMID 31701847
- de Koning EJ, et al. Vitamin D supplementation for the prevention of depression and poor physical function in older persons: the D-Vitaal study, a randomized clinical trial.
   Am J Clin Nutr 2019. PMID 31340012
- Eid A, et al. Vitamin D supplementation ameliorates severity of generalized anxiety disorder (GAD). Metab Brain Dis 2019. PMID 31478182
- Faivre S, et al. Vitamin D deficiency in a psychiatric population and correlation between vitaminD and CRP. Encephale 2019. PMID 30885444
- Fasihpour B, et al. Vitamin D deficiency in school-age Iranian children with attention-deficit/hyperactivity disorder (ADHD) symptoms: A critical comparison with healthy controls. Child Neuropsychol 2019. PMID 31514566
- Gan J, et al. The Effect of Vitamin D Supplementation on Attention-Deficit/Hyperactivity Disorder: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. J Child Adolesc Psychopharmacol 2019. PMID 31368773
- Guo M, et al. Vitamin A and vitamin D deficiencies exacerbate symptoms in children with autism spectrum disorders. Nutr Neurosci 2019. PMID 29338670
- Ikonen H, et al. Vitamin D status and correlates of low vitamin D in schizophrenia, other psychoses and non-psychotic depression The Northern Finland Birth Cohort 1966 study. Psychiatry Res 2019. PMID 30876732
- Jorde R and Grimnes G. Vitamin D: no cure for depression. Am J Clin Nutr 2019. PMID 31504098
- Kopecek M, et al. Effect of vitamin D deficiency on BMI in patients treated with Multi-acting Receptor Target Antipsychotics. Neuro Endocrinol Lett 2019. PMID 31785213

- Kotsi E, et al. Vitamin D levels in children and adolescents with attention-deficit hyperactivity disorder (ADHD): a meta-analysis. Atten Defic Hyperact Disord 2019 - Review. PMID 30367389
- Lee BK, et al. Developmental vitamin D and autism spectrum disorders: findings from the Stockholm Youth Cohort. Mol Psychiatry 2019. PMID 31695167
- Milaneschi Y, et al. A role for vitamin D and omega-3 fatty acids in major depression? An exploration using genomics. Transl Psychiatry 2019. PMID 31488809
- Mobasheri L, et al. Association between vitamin D receptor gene Fokl and Taql variants with autism spectrum disorder predisposition in Iranian population. Gene 2020. PMID 31589956
- Schaad KA, et al. The relationship between vitamin D status and depression in a tactical athlete population. J Int Soc Sports Nutr 2019. PMID 31500652
- Vyas CM and Okereke OI. Vitamin D and Psychosis in Alzheimer Disease: New Insights From Pharmacogenomics Research. Am J Geriatr Psychiatry 2019. PMID 31262684
- Wang L, et al. Effects of Vitamin D Use on Outcomes of Psychotic Symptoms in Alzheimer Disease Patients. Am J Geriatr Psychiatry 2019. PMID 31126722
- Woodward G, et al. Serum Vitamin D and Magnesium levels in a psychiatric cohort. Psychiatr Danub 2019. PMID 31488730

# RHEUMATOLOGY

- Abshirini M, et al. The effects of vitamin D supplementation on muscle strength and mobility in postmenopausal women: a systematic review and meta-analysis of randomised controlled trials. J Hum Nutr Diet 2019 - Review. PMID 31729817
- Adami G, et al. An exploratory study on the role of vitamin D supplementation in improving pain and disease activity in rheumatoid arthritis. Mod Rheumatol 2019. PMID 30285521
- Al Alwan I, et al. Higher serum alkaline phosphatase activity in infants born to vitamin D-deficient mothers. Arch Osteoporos 2019. PMID 31650259

- Aspell N, et al. Vitamin D Deficiency Is Associated With Impaired Muscle Strength And Physical Performance In Community-Dwelling Older Adults: Findings From The English Longitudinal Study Of Ageing. Clin Interv Aging 2019. PMID 31686797
- Baggott PJ, et al. Vitamin D in the Foot and Ankle - A review of the literature. J Am Podiatr Med Assoc 2019. PMID 31589473
- Biczo A, et al. Association of vitamin D receptor gene polymorphisms with disc degeneration. Eur Spine J 2019. PMID 31768839
- Bislev LS, et al. Effects of Elevated Parathyroid Hormone Levels on Muscle Health, Postural Stability and Quality of Life in Vitamin D-Insufficient Healthy Women: A Cross-Sectional Study. Calcif Tissue Int 2019. PMID 31522253
- Chakhtoura M, et al. Impact of vitamin D supplementation on falls and fractures-A critical appraisal of the quality of the evidence and an overview of the available guidelines. Bone 2019 - Review. PMID 31676406
- Chang E and Kim Y. Vitamin D Ameliorates Fat Accumulation with AMPK/SIRT1 Activity in C2C12 Skeletal Muscle Cells. Nutrients 2019. PMID 31744213
- Chung JS, et al. Concurrent Bilateral Anterior Tibial Stress Fractures and Vitamin D
   Deficiency in an Adolescent Female Athlete:
   Treatment With Early Surgical Intervention.
   Front Pediatr 2019. PMID 31637224
- Conaway HH, et al. Glucocorticoids employ the monomeric glucocorticoid receptor to potentiate vitamin D(3) and parathyroid hormone-induced osteoclastogenesis. FASEB J 2019. PMID 31675485
- Dadra A, et al. High prevalence of vitamin D deficiency and osteoporosis in patients with fragility fractures of hip: A pilot study. J Clin Orthop Trauma 2019. PMID 31708635
- da Silva JLG, et al. Co-Nanoencapsulation of Vitamin D(3) and Curcumin Regulates Inflammation and Purine Metabolism in a Model of Arthritis. Inflammation 2019. PMID 31102126
- Demir K, et al. Novel VDR mutations in patients with vitamin d-dependent rickets type 2a: a mild disease phenotype caused by a

- novel canonical splice site mutation. Endocr Pract 2019. PMID 31557081
- Dretakis K and Igoumenou VG. The role of parathyroid hormone (PTH) and vitamin D in falls and hip fracture type. Aging Clin Exp Res 2019. PMID 30701437
- Erem S, et al. Anabolic effects of vitamin D and magnesium in aging bone. J Steroid Biochem Mol Biol 2019 - Review. PMID 31175968
- Faber J, et al. Long-Term Impact of Calcium and Vitamin D Supplementation on Bone Density in HIV(+) Patients with Documented Deficiencies. AIDS Res Hum Retroviruses 2019. PMID 31523978
- Fan H and Xiao J. Critical thinking about three meta-analyses: can vitamin D alone or with calcium prevent fractures? Curr Med Res Opin 2019. PMID 31670980
- Fraissler L, et al. Vitamin D Deficiency in Patients With Idiopathic and Traumatic Osteochondritis Dissecans of the Talus. Foot Ankle Int 2019. PMID 31370694
- Gogulothu R, et al. Disrupted expression of genes essential for skeletal muscle fibre integrity and energy metabolism in Vitamin D deficient rats. J Steroid Biochem Mol Biol 2019. PMID 31705962
- Hill TR, et al. A Vitamin D, Calcium and Leucine-Enriched Whey Protein Nutritional Supplement Improves Measures of Bone Health in Sarcopenic Non-Malnourished Older Adults: The PROVIDE Study. Calcif Tissue Int 2019. PMID 31338563
- Hu ZC, et al. Comparison of fracture risk using different supplemental doses of vitamin D, calcium or their combination: a network meta-analysis of randomised controlled trials. BMJ Open 2019. PMID 31619412
- Islam MA, et al. Vitamin D status in patients with systemic lupus erythematosus (SLE): A systematic review and meta-analysis. Autoimmun Rev 2019. PMID 31520805
- Jadai R, et al. Isoflavones rich cowpea and vitamin D induces the proliferation and differentiation of human osteoblasts via BMP-2/Smad pathway activation: Mechanistic approach. IUBMB Life 2019. PMID 31317663
- Jiang Y, et al. Eldecalcitol increases bone

- mineral density in Chinese osteoporotic patients without vitamin D or calcium supplementation. J Bone Miner Metab 2019. PMID 31087185
- Kenis-Coskun O, et al. The effect of vitamin D replacement on spinal inhibitory pathways in women with chronic widespread pain. J Steroid Biochem Mol Biol 2019. PMID 31589918
- Kiebzak GM, et al. Pitfalls with Vitamin D Research in Musculoskeletal Disorders and Recommendations on How to Avoid Them. J Clin Res Pediatr Endocrinol 2019. PMID 30759962
- Lakkireddy M, et al. Efficiency of vitamin D supplementation in patients with mechanical low back ache. J Clin Orthop Trauma 2019. PMID 31708636
- Li CF, et al. Vitamin D Status Among Older Women Initiating Osteoporosis Therapy. J Am Geriatr Soc 2019. PMID 31441499
- Lodha S, et al. Spontaneous simultaneous bilateral quadriceps tendon rupture associated with severe vitamin D deficiency. Clin Endocrinol (Oxf) 2019. PMID 31368123
- Martínez-Aguilar MM, et al. Serum Proteomic Analysis Reveals Vitamin D-Binding Protein (VDBP) as a Potential Biomarker for Low Bone Mineral Density in Mexican Postmenopausal Women. Nutrients 2019. PMID 31766436
- Mauck MC, et al. Vitamin D insufficiency increases risk of chronic pain among African Americans experiencing motor vehicle collision. Pain 2019. PMID 31651575
- Merlotti D, et al. Preventive role of vitamin D supplementation for acute phase reaction after bisphosphonate infusion in Paget's disease. J Clin Endocrinol Metab 2019. PMID 31634910
- Min K, et al. Restoration of Cellular Proliferation and Characteristics of Human Tenocytes by Vitamin D. J Orthop Res 2019. PMID 31115927
- Niikura T, et al. Insufficiency and deficiency of vitamin D in elderly patients with fragility fractures of the hip in the Japanese population. J Orthop Surg (Hong Kong) 2019. PMID 31554468

- Niu A, et al. High dose vitamin D supplementation does not rescue bone loss following Roux-en-Y gastric bypass in female rats. Bone 2019. PMID 31226531
- Oliai Araghi S, et al. Do Vitamin D Level and Dietary Calcium Intake Modify the Association Between Loop Diuretics and Bone Health? Calcif Tissue Int 2019. PMID 31608419
- Paranhos-Neto FP, et al. Vitamin D deficiency is associated with cortical bone loss and fractures in the elderly. Eur J Endocrinol 2019. PMID 31484162
- Pennisi M, et al. Decrease in Serum Vitamin D Level of Older Patients with Fatigue. Nutrients 2019. PMID 31635199
- Remelli F, et al. Vitamin D Deficiency and Sarcopenia in Older Persons. Nutrients 2019 - Review. PMID 31766576
- Rendina D, et al. Vitamin D Status in Paget Disease of Bone and Efficacy-Safety Profile of Cholecalciferol Treatment in Pagetic Patients with Hypovitaminosis D. Calcif Tissue Int 2019. PMID 31236621
- Roh YH, et al. Altered gene and protein expressions of vitamin D receptor in skeletal muscle in sarcopenic patients who sustained distal radius fractures. J Bone Miner Metab 2019. PMID 30790083
- Romeu Montenegro K, et al. Effects of vitamin D on primary human skeletal muscle cell proliferation, differentiation, protein synthesis and bioenergetics. J Steroid Biochem Mol Biol 2019. PMID 31279004

- Sadie-Van Gijsen H. The Regulation of Marrow Fat by Vitamin D: Molecular Mechanisms and Clinical Implications. Curr Osteoporos Rep 2019 - Review. PMID 31749086
- Sami A and Abrahamsen B. The Latest Evidence from Vitamin D Intervention Trials for Skeletal and Non-skeletal Outcomes. Calcif Tissue Int 2019. PMID 31563967
- Shevchenko N and Khadzhynova Y. JUVE-NILE IDIOPATHIC ARTHRITIS AND VITAMIN D STATUS IN UKRAINIAN PATIENTS. Georgian Med News 2019. PMID 31687956
- Sosa-Henríquez M. Cholecalciferol and calcifediol for vitamin D supplementation. Osteoporos Int 2019. PMID 31673732
- Sprague S, et al. Study protocol: design and rationale for an exploratory phase II randomized controlled trial to determine optimal vitamin D(3) supplementation strategies for acute fracture healing. Pilot Feasibility Stud 2019. PMID 31768262
- Sun J, et al. Vitamin D receptor expression in peripheral blood mononuclear cells is inversely associated with disease activity and inflammation in lupus patients. Clin Rheumatol 2019. PMID 31104216
- Tedeschi SK, et al. Effect of vitamin D on serum markers of bone turnover in SLE in a randomised controlled trial. Lupus Sci Med 2019. PMID 31592329
- Wang J, et al. Polymorphisms of genes related to vitamin D metabolism and transportation and its relationship with the risk of osteoporosis: protocol for a multicentre pro-

- spective cohort study in China. BMJ Open 2019. PMID 31767578
- Wang W, et al. Eldecalcitol, an active vitamin D analog, effectively prevents cyclophosphamide-induced osteoporosis in rats.
   Exp Ther Med 2019. PMID 31410111
   Free PMC article.
- Xu HW, et al. Preoperative vitamin D status and its effects on short-term clinical outcomes in lumbar spine surgery. J Orthop Sci 2019. PMID 31759837
- Ying LJ. A case of pathological fracture caused by vitamin D insufficiency in a young athlete and a review of the literature. J Clin Orthop Trauma 2019. PMID 31708637
- Zayny A, et al. Effects of glucocorticoids on vitamin D(3)-metabolizing 24-hydroxylase (CYP24A1) in Saos-2 cells and primary human osteoblasts. Mol Cell Endocrinol 2019. PMID 31352041
- Zhang L, et al. Vitamin D Deficiency/Insufficiency Is Associated with Risk of Osteoporotic Thoracolumbar Junction Vertebral Fractures. Med Sci Monit 2019. PMID 31678984
- Zhou T and Qi L. Vitamin D, genetics, and bone mineral density during weight loss. Curr Opin Clin Nutr Metab Care 2019. PMID 31577641
- Zhu K, et al. Low Vitamin D Status Is Associated With Impaired Bone Quality and Increased Risk of Fracture-Related Hospitalization in Older Australian Women. J Bone Miner Res 2019. PMID 31233633