Combined vitamin K2, vitexin, and vitamin D3 (K2VD3) intake in patients with peripheral artery disease

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Supplemenatry references regarding Table 1

1. de Vries F, Bittner R, Maresz K, et al. Effects of One-Year Menaquinone-7 Supplementation on Vascular Stiffness and Blood Pressure in Post-Menopausal Women. Nutrients 2025;17:815. New Research
2. Lees JS, Chapman FA, Witham MD, et al. Vitamin K Status, Supplementation and Vascular Disease: A Systematic Review and Meta-Analysis. Heart (British Cardiac Society). 2019;105:938–945.
3. Zhang T, O'Connor C, Sheridan H, Barlow JW. Vitamin K2 in Health and Disease: A Clinical Perspective. Foods (Basel, Switzerland) 2024;13:1646.
4. Mandatori D, Pelusi L, Schiavone V, et al. The Dual Role of Vitamin K2 in "Bone-Vascular Crosstalk": Opposite Effects on Bone Loss and Vascular Calcification. Nutrients. 2021;13:1222.
5. Jadhav N, Ajgaonkar S, Saha P, et al. Molecular Pathways and Roles for Vitamin K2-7 as a Health-Beneficial Nutraceutical: Challenges and Opportunities. Front Pharmacology. 2022;13:896920.
6. Carbone F, Liberale L, Libby P, Montecucco F. Vitamin D in Atherosclerosis and Cardiovascular Events. Eur Heart J 2023;44:2078–2094.
7. Zhao CR, Yang FF, Cui Q, et al. Vitexin Inhibits APEX1 to Counteract the Flow-Induced Endothelial Inflammation. Proc Natl Acad Sci U S A 2021;118:e2115158118.
8. Gan T, Xing Q, Li N, et al. Protective Effect of Vitexin Against IL-17-Induced Vascular Endothelial Inflammation Through Keap1/Nrf2-Dependent Signaling Pathway. Mol Nutr Food Res. 2024;68:e2300331.
9. Yan W, Cheng J, Xu B. Dietary Flavonoids Vitexin and Isovitexin: New Insights Into Their Functional Roles in Human Health and Disease Prevention. Int J Mol Sci 2025;26:6997.
10. Melamed ML, Muntner P, Michos ED, et al. Serum 25-Hydroxyvitamin D Levels and the Prevalence of Peripheral Arterial Disease: Results From NHANES 2001 to 2004. Arterioscler Thromb Vasc Biol 2008;28:1179–1185.
11. Iannuzzo G, Forte F, Lupoli R, Di Minno MND. Association of Vitamin D Deficiency With Peripheral Arterial Disease: A Meta-Analysis of Literature Studies. J Clin Endocrinol Met 2018 Mar 23. doi: 10.1210/jc.2018-00136. Online ahead of print.
12. Nsengiyumva V, Fernando ME, Moxon JV, et al. The Association of Circulating 25-Hydroxyvitamin D Concentration With Peripheral Arterial Disease: A Meta-Analysis of Observational Studies. Atherosclerosis 2015;243:645–651.