

Special Issue

Vitamin K in Disease Mechanisms and Therapy

Message from the Guest Editor

Vitamins K-soluble proteins are involved in several vital functions. Vitamin K1 (phylloquinone) is involved in the blood coagulation cascade, functioning as a cofactor of the enzymes activating vitamin K-dependent clotting factors (II, VII, IX, X). Vitamin K2 (menaquinone, MK-4, MK-7) plays a crucial role in calcium metabolism, as well as bone, cardiovascular (both veins and arteries) and kidney health. Vitamin K2 reduces inflammation of the arteries and inhibits calcification of blood vessels and vascular stiffness via vitamin K2-dependent proteins, such as matrix Gla protein. Moreover, it increases cardiac output, stroke volume and heart rate. We particularly encourage submissions focusing on original research or comprehensive review articles that advance our understanding of these mechanisms and their translational applications.

Guest Editor

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