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Concomitant use of policosanol and antiplatelet drugs in older patients

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Introduction: Policosanol is a cholesterol-lowering drug with antiplatelet action. Policosanol effects have been investigated in clinical trials and post-marketing surveillance, its efficacy and safety are demonstrated. Policosanol has resulted very safely even when administered to special populations with high consumption of concomitant drugs, without demonstration of drug-related Adverse Events (AE). Accordingly, the potential risk of Drug-Drug Interaction (DDI) with policosanol appears to be low. DDI generally comes from pharmacokinetic or/and pharmacodynamic actions. Experimental data show that DDI with policosanol derived from pharmacokinetic interactions is not very probable. Nevertheless, DDI based on pharmacological interactions needs to be investigated. Antiplatelet drugs are widely used in middle-aged and geriatric populations mainly to prevent recurrent coronary or cerebrovascular events. Experimental and small clinical studies have shown that policosanol enhances the antiplatelet effects of aspirin in an additive manner. Hence, the interest to study putative DDI between policosanol and antiplatelet drugs in a population sensitive to drug-related effects, as the elderly, is supported.

Objective: The objective of the present analysis as a part of a prevention study, we investigated whether policosanol administered to older individuals taking antiplatelet drugs supposes concern regarding a potential risk for adverse drug-drug interactions.

Methods: We randomized 1470 elderly patients at high coronary risk to policosanol 5 mg/day or placebo for 3 years. F.1 (I)7L

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