Extermely prolonged INR associated with warfarin in combination with both trazodone and omega 3 fatty acids: a case report

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To report a case of case of excessive anticogulation in patient taking fish oil, trazodone and warfain. CASE SUMMARY: A 56-year – old white man had been taking warfarin for 6 months after an episode of post-operative pulmonary thrombembolism (PTE). His past medical history was otherwise insignificant. He received a prescription of trazodone and fish oil for not – very – well defined complaint. Two weeks after taking these medications, when he routinely checked his international normalized ratio (INR) he came to the emergency department (ED) with a test result showing and INR of 60.8 he was admitted for observation and all medications were then re-started. Two weeks later his coagulation profile was within the desired therapeutic range. DISCUSSION: Co-administration of warfarin with mega-3 fatty acids can lead to additional anticoagulation. This can result from changes chither in platelet aggregation or vitamin K-dependent coagulation factors. Trazodone also has interactions with warfarin through not well - understtod mechanisms. Although as late – onset and clinically insignificant, this has been questioned in other studies. This particular case illustrates possible interactions between warfarin and these two medications. CONCLUSIONS: This case emphasizes the need for patient educaion about potential drug interactions with warfarin, especially with the emergence and popularity of herbal drugs and supplements.

Keywords: fish oil, omega -3 polyunstarated fatty acid, trazodone, warfarin, drug interaction.

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