

Abstract

Charles University, Faculty of Pharmacy in Hradec Kralové

Department of Social and Clinical Pharmacy

Author Anna Faltysová

Supervisor PharmDr. Jitka Pokladníková, Ph.D.

Consultant PharmDr. Julie Zubrová

Title of Diploma Thesis Analysis of the risks associated with using dietary supplements by patients in pre-operative period

Objectives: The thesis deals with the problem of the dietary supplement use by patients in the time before surgery. The aim of the thesis is to evaluate the prevalence of dietary supplement use by patients before surgery. Another aim is to point to potential danger which could endanger the patient while irrational using of the dietary supplement before the medical interventions (interactions of dietary supplement, side effects of dietary supplement).

Methodology: The questionnaire research was conducted in order to obtain the data. It was conducted between 9th May 2017 till 30th June 2018 at 9 departments of the University Hospital in Hradec Králové. In total 332 patients in the time before surgery were asked and 257 completed questionnaires were analysed.

Results: From the results of the study we can see the prevalence of the dietary supplement use by the patients in the time before surgery, which amounts to 42 %. It was stated that most of the patients does not inform their doctors about the dietary supplement they use. Since some patients used the dietary supplement with possibility of drug – herb interactions (garlic, echinacea, ginkgo, valeriana, St. John's wort, ginger, ginseng), it would be practical if the doctors mention this information in the records of patients. The reason is mainly reduction of side effects, such as bleeding, insufficient coagulation and extension of anesthesia. Safety measure could be quitting the dietary supplement use at least two weeks before the planned surgery. by mohlo být vysazení doplňků stravy nejméně dva týdny před plánovanou operací.

Key words: dietary supplements, herbals, risks, safety, patients, pre-operative period