



PHARMACEUTICAL CARE NETWORK EUROPE

Working Conference 2013 – Abstract

Collaborative pharmaceutical care in research and practice

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The above mentioned participant in the PCNE WC 2013 wishes to submit following abstract for a poster or oral communication. If accepted and presented, the abstract will be published in the International Journal of Clinical Pharmacy. Please make sure the abstract is no longer than 350 words, excl. author-details.

Title
Pharmaceutical care – can we influence the proper treatment for patients with diabetes
Author(s) Stanislava Yordanova, Valentina Petkova
Type of abstract <input checked="" type="checkbox"/> Research <input type="checkbox"/> Practice development <input type="checkbox"/> Practice implementation
Aim of project/study
To develop an educational plan for patients with diabetes on insulin therapy in a community pharmacy, to test possibilities for its implementation and to evaluate its effect on the clinical, therapeutic, social and economical results of diabetes treatment.
Method
The sample consisted of 50 individuals with type 1 and 2 diabetes on insulin treatment, that did not suffer from severe complications. The patients were divided into two groups – 1 st (mean age 55.74±2.72) – that were additionally educated, and 2 nd (mean age 58.58±2.61) – a control group. A validated questionnaire (SF-36) was applied to be assessed the patients quality of life. A four-month education was conducted on three topics: 1) essence of diabetes, nourishing and physical activity; 2) hypo- and hyperglycemia, possible complications; 3) insulin treatment. The clinical

and therapeutic data were collected by an interview and from patients' diaries: duration of diabetes, blood glucose levels, details on diabetic vascular complications, and incidents of hypo- and hyperglycemia for the studied period of time.

Result(s)

Progress in patients' diabetes and drug knowledge, decrease in the monthly frequency of hypo- and hyperglycemic incidents (about 2 times less) and improvement in their life style were assessed.

The results show that pharmaceutical care for patients with diabetes is effective and it has the potential to decrease the diabetes complications and from there - the economic cost of the diabetes treatment. So it can be cost-effective.

+++ NB: PhD students still pay the early bird fee for their abstract if their abstract is accepted ++++