

D-1445 Drug relation problems in Polish patients with chronic illness.

Background: The medication consumption in Poland per patient is one of the highest in Europe. Its increase is connected to medication advertisement and expand list of drugs available without a prescription that the patient can also purchase outside the pharmacy.

Purpose: The aim of the study was quantitative and qualitative analysis of drug related problems and their causes occurring in hypertensive, diabetic and asthma/ COPD population.

Methods: The study has been carried out between 2008 and 2011. The pharmacists could include patient with hypertension, or diabetes, or asthma and/or COPD. The data about diagnosis, results of self-control and medication and diet supplements were gathered during the face to face interview. All gathered data were used in qualitative and quantitative analysis of DRP. We use the PCNE classification v.5.01.

Findings: 267 patients, who met including criteria were involved in the study. The average age of the patients was 63 years (24-88) and BMI 28.4 (17,8-44,3). Most patients suffered (73.3%) from one chronic disease, about 84.3% of all respondents had hypertension and nearly 30% had diabetes. More than 5 medication were used chronically and about 4 temporally per an average patient. About 7 problems detected per and average patient. One medication caused of nearly 1.5 DRPs. Most commonly detected DRP were: potential interaction P4.1 (60.7%), drug dose too low or dosage regime not frequent enough P3.1 (12.0%) and side effect suffered (non-allergic) P1.1 (11.2%). Patients most often reported as adverse symptoms from the gastrointestinal tract (28%) and cough (12%).

Conclusion: Results of the study indicate that polypharmacy is a common problem among patients with chronic diseases in Poland. Almost every medication can cause a DRP. Pharmacists should focus on medication reviews and pharmaceutical care programs, including patients education, to improve effectiveness and safety of pharmacotherapy.

Location of Primary Work: Poland

