



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 Pharmacists' knowledge regarding medications safety during pregnancy
Author(s) Odalovic Marina, Vezmar Kovacevic Sandra, Krajnovic Dusanka, Tadic Ivana, Lakic Dragana, Tasic Ljiljana.
Type of abstract X Research <input type="checkbox"/> Practice development <input type="checkbox"/> Practice implementation
Aim of project/study The aim of the study was to assess pharmacists' knowledge regarding safety of medications during pregnancy.
Method The study was conducted as the internet survey during two months period (April – May, 2012). Questionnaire was distributed to pharmacists, members of Pharmaceutical Chamber of Serbia, via e-mail addresses. Participation in the study was volunteer and anonymous. A total of 19 medications were selected for survey according to frequent, typical or non-recommended usage during pregnancy. Assessment of knowledge about safety of medications during pregnancy was based on Food and Drug Agency (FDA) risk classification. Four answers were offered regarding each surveyed medication where pharmacist had to choose only one (Completely or almost completely safe for the fetus (A and B FDA categories) / Must be assessed benefit/risk ratio for each pregnant women (C and D FDA categories) / Contraindicated for the use in pregnancy (X FDA category) / I'm not sure).
Result(s) A total of 119 pharmacists accepted to participate in the study; 89.1% were females. The average age of participants was 36.31±8.13 years, and the average years of working experience were 10.44±8.50. More than a half of pharmacists thought that medications carried higher risk for the fetus than they actually did in the case of amoxicillin with clavulanic acid (53.0% of participants), ciprofloxacin (79.0%), erythromycin (59.6%), doxycycline (94.1%), nonsteroidal antireumatics in the first and third trimester (67.2 and 64.7%, respectively), ACE inhibitors

(81.5%) and metoclopramid (85.8%). On the contrary, majority of pharmacists thought that progestogens and verapamil were safer than they were, 63.0 and 38.7%, respectively. A great number of pharmacists were not sure regarding safety of fenoterol and hexoprenaline, 21.0 and 29.4%, respectively. For the rest of studied medications majority of pharmacists had adequate knowledge regarding medications safety during pregnancy (acetaminophen, statins, carbamazepine, lamotrigine, valproic acid, anxiolytics, warfarin).

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