



## 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: Drug related problems and interventions of pharmacists on prescribed medicines in Belgium		
Author(s) I. De Wulf, K. Boussery, C. De Vriese, G. De Meyer, V. Foulon, V. Lacour, E. Mehuys, S. Steurbaut, T. Van Hees		
Type of abstract		
<input type="checkbox"/> Research	<input type="checkbox"/> Practice development	<input checked="" type="checkbox"/> Practice implementation
<b>Aim of project/study</b> The aims of the study are: 1/ To study the frequency and nature of drug related problems (DRP) detected by community pharmacists and internship students when dispensing prescribed medicines. 2/ To investigate the nature and frequency of interventions by pharmacists. 3/ To study whether there is a difference between DRP detection at the moment of dispensing versus in a quiet setting.		
<b>Method</b> All tutors of the participating universities in Belgium were asked to contribute to the study. Participating pharmacists quantified drug related problems and their interventions for 5 full or 10 half days. Registrations were made by using a web tool based on the classification list of PCNE. This list had been translated and validated for the Belgian community pharmacy setting prior to the development of the web tool. The web application was evaluated by 38 students in a pilot study. A few adaptations were made to improve the user friendliness.		
<b>Result(s)</b> Six of the seven Belgian universities and 530 (10.5% of the 5,025) Belgian pharmacists were willing to actively participate in the final study: 280 pharmacists and an equal number of internship students conducted the study in November/December 2012 and		

250 pharmacists and internship students will do so in February/March 2013.

On December 12<sup>th</sup> 4,907 DRP's were registered. 4,406 DRP were detected at the moment of dispensing, 501 (10%) were detected a posteriori, when the students analyzed the prescription at a quiet time. In 2,359 (48%) of the registrations medicines that were prescribed for the first time were involved, 2.469 (50%) registrations were made for repeat prescriptions and 78 (1,6%) registrations were related to compounded drugs. Further analysis of DRP and interventions has not yet been done.

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