



## PHARMACEUTICAL CARE NETWORK EUROPE

### Working Conference 2011 – Abstract

Does pharmaceutical care impact on the safety of individual patients?

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The above mentioned participant in the PCNE WC 2009 wishes to submit following abstract for a poster or short oral communication (please type & then fax the form to the secretariat). Max. 350 words.

<b>Title</b> Home medication review for patients with insulin-dependent diabetes mellitus
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<b>Type of abstract</b> x Research <input type="checkbox"/> Practice development <input type="checkbox"/> Practice implementation
<b>Aim of project/study</b> Medication review by physicians and pharmacists may be an important strategy to improve medication use. The goals of this study were to show that a HMR for patients with insulin-dependent diabetes mellitus in a community pharmacy/general practitioner setting is feasible in Germany and to provide insights for the service development.
<b>Method</b> Two community pharmacies and three surgeries settled on the study protocol. The multidisciplinary service model consisted of physician's provision of patient information, 2 patient's home visits by a pharmacist at regular intervals over 6 months, pharmacist medication reviews, discussion of the pharmaceutical assessment and implementation of a collaborative action plan. At study end, physicians, pharmacists and patients were interviewed on their experiences with the HMR.
<b>Result(s)</b> A total of 47 patients completed the study, the mean age was 72 years, 57% were women. The average number of chronic medications was 9, the average number of diagnoses was 7. After the six month improvements were seen in patient knowledge regarding drugs' intake and effect, number of hypoglycemia, changing the lancet or the pen needle and actuality of medication plan. Physicians, pharmacists and patients accepted the service after initial problems and judged the HMR as valuable extension of care. HMR for patients with insulin-dependent diabetes mellitus is feasible and could be one possible way of improving diabetics' appropriate use of medicines. A collaborative relationship between pharmacists and physicians with patient's home visits is one step toward improving continuity of care. The process can be effectively streamlined to provide maximum efficiency utilizing computerization.

+++ NB: PhD students get 50 Pound reduction on the conference fee if their abstract is accepted ++++

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