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.

Title

Detection of osteoporosis risk factors in the community pharmacy setting

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Author(s)

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Type of abstract

x <u>Research</u>   ☐ Practice development   ☐ Practice implementation

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Aim of project/study

To identify osteoporosis risk factors and their associations with T-score in female population.

Method

Prospective study was conducted in a community pharmacy. In total, 83 patients older than 45 years (mean=58.74; SD=10.36) participated in the study. The study lasted ten months (February - November 2010). Data were collected in direct interview based on WHO fracture risk assessment tool (FRAX®-questionnaire). BMD was estimated using Sahara Sonometer - Hologic Inc, Bedford, MA, and expressed as T-score. Descriptive statistics and correlation analyses were used to summarize the results.

Result(s)

The main characteristics of study population were: T-score -1.76 in average (SD=0.93), BMI 26.94 kg/m^2 in average (SD=4.41), 82.14% women were in menopause. Responses on the questions of FRAX questionnaire indicated the presence of the following risk factors: cigarette smoking (39.29%), previous fracture (33.33%), parent hip fracture (26.19%), glucocorticoids usage (2.38%), rheumatoid arthritis (16.67%), and secondary osteoporosis (15.48%). The significant relations were found between: T-score and age (r=-0.38, p<0,001); and T-score and BMI (r=0.24, p<0.05). There were no significant relations between T-score and other risk factors. In relation to the detected osteoporosis risk factors and T-score, pharmacists can provide proper advices for reducing risk factors or adequate treatment.

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

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