

## Knowledge, attitude and practice of community pharmacists toward rhinosinusitis, Tehran, Iran

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**Background and Aims:** One of the most important issues that everybody may confront in autumn and winter is the contagion of upper respiratory infections and among these infections rhinosinusitis has indispensable importance. So having correct inceptions, knowledge and suitable practice of healthcare team are very effective in appropriate treatment and management. The aim of our survey was to assess knowledge, attitude and practice of community pharmacists toward rhinosinusitis.

**Methods:** This cross-sectional study was performed in three days of the third Iranian clinical pharmacy congress, 11-13 May, 2012, Tehran, Iran. To assess knowledge, attitude and practice of community pharmacists a fifteen-question questionnaire was designed and after confirming it in pharmacotherapy department 100 questionnaires were distributed and finally 75 questionnaire were returned for statistical analysis.

**Results:** Seventy-five community pharmacists participated in our study. More than 50% of them were in 30-40 year-old range of age. More than 95% (n=73) of them believe that inappropriate use of antibiotics can cause resistance to antibiotics. Eighty-four percent (n=63) of participants believe that use of antibiotics can shorten the duration of illness and prevent progression of complications. Also more than 70% of them (n=56) were agree with prescription of antibiotics for below 2 year-old patients.

**Conclusions:** According to results it seems that to upgrade the treatment level of rhinosinusitis we need to educate community pharmacists and aware them more about rhinosinusitis and indications of antibiotic usage. So to upgrading knowledge, attitude and practice toward rhinosinusitis, more antibiotic retraining courses are recommended.

**Keywords:** Knowledge; Attitude; Practice; Rhinosinusitis; Antibiotics