Adverse Drug Reaction as Cause of Hospital Admission of Elderly People: a Pilot Study

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SUMMARY. The objective of this study was to estimate the prevalence of adverse drug reactions (ADR) related to hospital admission of elderly people, identifying the use of potentially inappropriate medication (PIM), the ADR and the risk factors associated with the hospitalization. A cross-sectional study was conducted in a private hospital of São Paulo State, Brazil. All patients aged ≥ 60 years, admitted in the general practice ward in May 2006 were interviewed about the drugs used and the symptoms/complaints that resulted in hospitalization. More than a half (54.5 %) of elderly hospitalizations were related with ADR. The therapeutic classes involved with ADR were: cardiovascular (37.7 %), central nervous (34.6 %) and respiratory (5.7 %). The ADR observed were disorders in circulatory (28.4 %), digestive (20.0 %) and respiratory (18.9 %) tracts. 27 elderly had made PIM and in 20 of them this was the cause of hospitalization. Polypharmacy was an ADR risk factor (p = 0.021). These data allows the healthcare professionals upgrade, qualifying them in pharmcovigilance.

**KEY WORDS:** Adverse drug reaction, Elderly people, Hospital admission, Use of drugs.

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