



Evaluation of Drug-Dispensing Errors at the Internal Medicine of an University Hospital

Amador A. BONIFÁCIO NETO ¹, Vanessa T.G. de MATOS ^{2*} & Mônica C. TOFFOLI KADRI ³

¹ Undergraduate Student of Pharmacy Course,

² Section of Hospital Pharmacy, University Medical Centre,

³ Center of Biological and Health Sciences, Federal University of Mato Grosso do Sul, Brazil.

SUMMARY. The aim of this study was to evaluate the medication dispensing errors related to the Internal Medicine of the University Hospital of the Federal University of Mato Grosso do Sul, Brazil. This observational and prospective study analyzed 278 prescriptions and pharmaceutical form, concentration, dosage and quality of the vial was observed. Among the 278 prescriptions evaluated, a total of 2142 drugs were prescribed and 4837 items were dispensed. The dispensing error rate was 33.3% (1611 errors/4837 items dispensed) which represents an error per every 3 dispensed items. The most frequent error was regarding pharmaceutical form 87,03%, followed by drug concentration 8,57% and dosage 2,92%. The majority of dispensing errors can be inherent to the distribution system adopted by the hospital. The recognition of variables related to the occurrence of dispensing errors gives essential information for the improvement of health care in the hospital environment.

KEY WORDS: Hospital pharmacy, Medication dispensing errors, Prescriptions.

* Author to whom correspondence should be addressed. *E-mail:* vanematos@ibest.com.br