



Evaluation of Drug-Drug Interactions in between Self Medicated Drugs: A Retrospective Study of Residents of District Tharparkar Sindh, Pakistan

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SUMMARY. The objectives of this study were to evaluate the prevalence of drug-drug interactions and measure the degrees of drug-drug interactions. In this study total 500 patients were interviewed in residents of Tharparkar District of Sindh during the period of one year from June 2018 to June 2019. The drug-drug interactions were detected by using software "Epocrates® online". Moreover SPSS version 23.0 for windows and Excel sheet were used for further analysis of data. A retrospective cross sectional observational study was carried out in 500 patients. Out of 500 patients, 322 (64.4%) were male patients and 178 (35.6%) were female patients. In self medicated drugs 25 drug-drug interactions (DDIs) were found out of which 2 (8%) were major, 15 (60%) were moderate and 8 (32%) were minor DDIs drug-drug interactions. The present study indicates that self medicated drugs contain a high rate of drug-drug interactions.

RESUMEN. Los objetivos de este estudio fueron evaluar la prevalencia de interacciones farmacológicas y medir los grados de las mismas. En este estudio se entrevistó a un total de 500 pacientes residentes del distrito de Tharparkar de Sindh durante el período de un año, de junio de 2018 a junio de 2019. Las interacciones farmacológicas se detectaron mediante el uso del software "Epocrates® en línea". Además, la versión 23.0 de SPSS para Windows y la hoja de Excel se utilizaron para un análisis posterior de los datos. Se realizó un estudio observacional transversal retrospectivo en 500 pacientes, de los cuales 322 (64.4%) eran pacientes masculinos y 178 (35.6%) pacientes femeninos. En los medicamentos automedicados, se encontraron 25 interacciones droga-droga (DDIs), de las cuales 2 (8%) fueron mayores, 15 (60%) fueron moderadas y 8 (32%) fueron interacciones menores entre drogas. El presente estudio indica que los medicamentos automedicados contienen una alta tasa de interacciones farmacológicas.

KEY WORDS: drug-drug interactions, prescription, retrospective, self-medication.

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