

A prospective study on adverse drug reactions in an Indian hospital

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A prospective observational spontaneous reporting study was carried out for a period of 7 months in an Indian hospital with the aim to assess the pattern of adverse drug reactions, to monitor and document reported reactions, to identify offending drugs and severity of observed reactions, to evaluate the cost. In a total of 103 patients, nearly 53.40 % of patients were male it indicates that the prevalence of ADRs is more in men than in women. 46.60 %, 39.08 % of ADRs were found in the age group between 41 and 60 shown that ADRs in this locality hospital is more in these age group peoples. Naranjo's causality assessment scale shown 39.80 % (41) of ADRs were definite, 34.95 % (36) of ADRs were probable, 22.33% (23) of ADRs were possible and 2.91% (3) were unlikely. WHO probability assessment scale shown 39.80% (41) cases were certain, 34.95% (36) ADR were probable, 17.47% (18) were possible, 2.91% (3) were unlikely, and 4.85% (5) were unassessible. Severity assessment by Modified Hartwig and Siegel Scale shown that 56.31% (58) ADRs were moderate, 38.83 % (40) ADRs were mild and 4.85% (5) ADRs were severe. Many of the ADRs were reported from general medicine department (33.98%), it is followed by dermatology department (14.56%) and others. Most commonly identified ADRs was maculopapular skin rashes 28 (27.18%). Regular monitoring of ADRs is very essential in the day today life to avoid unnecessary exposure of patients to drugs and chemicals.

Biography

Sivanandy Palanisamy has completed his Master degree in pharmacy from Tamilnadu DR.MGR. Medical University, Chennai and undergoing his Ph.D., studies in Pharmacovigilance in the same university. He is working as an Assistant Professor in the department of pharmacy practice, KMCH College of Pharmacy, Coimbatore. He has published more than 23 papers in reputed journals and serving as an editorial board member of reputed.

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