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An observational study of cutaneous adverse drug reactions in a teaching hospital

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Background: Therapeutic treatment is often impeded with adverse drug reactions (ADRs). Among these ADRs cutaneous reactions are the major class being easily identified and reported. If not noted early and offending drug not stopped it has potential to develop into serious lesions. Thus, the present study was done to evaluate the clinical patterns of various drug induced cutaneous adverse reactions.

Methods: All suspected cutaneous reactions to systemic drugs which were submitted to the ADR monitoring centre under the pharmacovigilance programme of India (Hakeem Abdul Hameed Centenary Hospital, Jamia Hamdard) during a 6-month period (March 2014 - August 2014) were analyzed. Causality relationship, severity assessment and preventability assessment was also done.

Results: Out of 134 cutaneous ADRs, 56% were females, majority of cases were found in the age group of 41-50 years. The most common type of ADR observed was maculopapular rash (46.3%) and majorly implicated drug class was antibiotics (51.3%). Most (72.3%) cases were mild, 27.7% were moderate. Polypharmacy and multiple comorbid conditions were important predisposing factors. Over half (58%) cases were not preventable.

Conclusion: Adverse cutaneous drug reactions correspond to a noteworthy burden on the health care system. It is the responsibility of every healthcare professional to be vigilant to possible ADRs & their effects in patients and hence take the relevant decisions which can prevent them from happening or causing some serious ill effects.

Biography

Deepti Chopra is currently working as an Associate Professor in the Department of Pharmacology, Hamdard Institute of Medical Sciences and Research, New Delhi. Her qualifications are MD (Pharmacology), Lady Hardinge Medical College and DTCD (Diploma in Tuberculosis and Chest Diseases), Vallabhbhai Patel Chest Institute and MBBS, Lady Hardinge Medical College. She worked as an Assistant Professor in Hamdard Institute of Medical Sciences and Research (Jan 2013- Dec 2014), as Assistant Professor in Lady Hardinge Medical College (Nov 2010- Jan 2013), as a Senior Lecturer in Manav Rachna Dental College (Sep 2009- Nov 2010), and as a Senior Resident (post MD) in the Department of Pharmacology, Lady Hardinge Medical College, New Delhi for a period of 3 years. She has published 28 original and review articles in various indexed international and national journals and presented posters at national conferences and delivered guest lectures at workshops and CMEs.

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