FIXED DRUG ERUPTION DUE TO BROMHEXINE: A CASE REPORT

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ABSTRACT

Drug is generally used in medical practice. The adverse reaction to drug use is a common adverse effect that has to be monitored. Drug allergy can occur in any patient. Here, the author presents a case report of fixed drug allergy due to Bromhexine. Bromhexine is the specific simple drug that is widely used in daily clinical practice. The allergic reaction to Bromhexine is possible but uncommon. Practitioner has to aware that there is a possibility for the severe allergic reaction to Bromhexine.

Keywords: Bromhexine, allergy, eruption

INTRODUCTION

Drug is generally used in medical practice. The adverse reaction to drug use is a common adverse effect that has to be monitored. Drug allergy can occur in any patient. Bromhexine is the specific simple drug that is widely used in daily clinical practice. This drug is classified as is an expectorant. It is generally indicated in the treatment of respiratory disorder. The aim therapeutic purpose is for relieving excessive mucus 1. Here, the author presents a case report of fixed drug allergy due to Bromhexine. The allergic reaction to Bromhexine is possible but uncommon. Practitioner has to aware that there is a possibility for the severe allergic reaction to Bromhexine.

CASE REPORT

A 54-year old female present presented to the physician complaining the abnormal skin lesion at her mouth. She noted that she repeatedly developed this skin lesion off and on for 2 months. The patient gave the history that she observed that the lesion occurred after she had the over-the-counter drug, Bromhexine, intake. She also noted that the lesion could disappear after she stopped drug usage. This case was tested by patch test and positive reaction to Bromhexine was observed. The skin lesion was finally diagnosed as bullous form fixed drug eruption.
DISCUSSION

Fixed drug eruption is an important clinical presentation of adverse reaction relating to drug use. This problem is not uncommon in clinical practice. Any drug use can induce this unwanted adverse effect. The pathogenesis of fixed drug eruption is the unwanted immunological reaction to a drug. 2-4. The skin lesion might occur at the same site or site after taking a drug. 2-4. The increased severity after repetitive exposure is possible. 2-4. The patient might observe the abnormality and has self-cessation of the suspicious drug before visiting to the physician. In the present case, the clinical history given by the patient clearly lead to the presumptive diagnosis of fixed drug eruption. The patch test is the tool for final diagnosis in the present case. The present case is a good example of fixed drug eruption. The Bromhexine is easily available around the world. As a simple drug, it might be forgotten about its possible adverse reaction. Fixed drug eruption as seen in the present case is an example of unwanted side effect of Bromhexine. Indeed, there are also other reports on other serious adverse effects of Bromhexine including anaphylactic reaction 5 and Steven Johnson Syndrome 6. In a recent report, the generalized urticular is a common but forgotten condition adverse reaction to Bromhexine. Similar to the present case, most patient can have complete recovery after cessation of Bromhexine without any additional clinical management 7.

CONCLUSION

The adverse effect due to Bromhexine is not common. The allergic reaction is possible. General practitioner has to recognize about this rare condition and proper manage if there is a case.

CONSENT

The author obtained written informed consent from the patient for the publication of this article.

COMPETING INTERESTS

The author declares no competing interest.

REFERENCES