



ADVERSE DRUG REACTIONS, INCLUDING SJS, TEN

## URTICARIAL DRUG ERUPTION DUE TO METHIMAZOLE OINTMENT

Yudi Chen<sup>(1)</sup> - Zuotao Zhao<sup>(1)</sup>

*Peking University First Hospital, Department Of Dermatology And Venereology, Beijing, China<sup>(1)</sup>*

**Background:** Methimazole ointment is a transdermal absorption preparation in which the active components infiltrate the thyroid and cure hyperthyroidism. It can be used as an alternative treatment for hyperthyroidism when oral methimazole can't be applied. Several researches have demonstrated its efficiency and safety. Here, we report a systemic adverse event of urticarial drug eruption due to the methimazole ointment.

**Observation:** A 65-year-old female suddenly developed generalized itchy wheals and experienced palpebral edema after applying methimazole ointment for 1 month because of hyperthyroidism. Meanwhile, she ran a high temperature of 39.9°C as well. And since she has a history of diabetes mellitus, the anaphylaxis also led to her diabetic ketosis.

**Key message:** Our case illustrates the clinically important but rare systemic reaction of methimazole ointment. Even though methimazole ointment has been widely prescribed with well-established safety, clinicians should have a high index of suspicion and aware of the likelihood of urticarial drug eruption. Deliberate medical and family history of allergic reactions should be explored and prescribed with care.

