



ADVERSE DRUG REACTIONS, INCLUDING SJS, TEN

## FIXED DRUG ERUPTION: ABOUT SERIES OF 16 CASES

*M Soua<sup>(1)</sup> - M Korbi<sup>(1)</sup> - Y Soua<sup>(1)</sup> - M Lahouel<sup>(1)</sup> - H Belhadjali<sup>(1)</sup> - M Youssef<sup>(1)</sup> - J Zili<sup>(1)</sup>*

*Fattouma Bourguiba Hospital, Dermatology, Monastir, Tunisia<sup>(1)</sup>*

**Introduction:** Fixed drug eruption (FDE) is an immunological cutaneous adverse reaction characterized by recurrent well-defined lesions occurring at the same location every time the offending drug is taken.

**Objective:** The aim of our study is to identify not only the epidemiological and clinical features of FDE but also the causative agents of FDE.

**Materials and methods:** We conducted a retrospective, monocentric study during a 10 year-period (2008-2018). All cases of FDE were collected. The causative agents were noted. We studied also, the epidemiological and the clinical features.

**Results:** Sixteen cases were collected (13 female, 3 male). The sex ratio was 0.23. The average age was 48 years (ranging from 20 to 85 years). In all cases, the clinical features were typical: well- circumscribed, oval, erythemat-violaceous plaques leaving post inflammatory hyperpigmentation. The average of onset was of 33 hours in case of first episode. This delay was shorter in case of recurrence. In more than 70% of cases, patients presented to our department with multiple lesions. Only 5 patients had presented mucosal (oral and/or genital) involvement. Bullous forms were found in 11 cases. Only 2 patients were hospitalized. Skin biopsy was performed in all cases. Pharmacovigilance investigations concluded to a drug liability on 13 cases: paracetamol (6 cases), mefenamic acid (2 cases), piroxicam (2 case), lamotrigine (1 case), sulfaguanidine (1 case) and omeprazole (1 case). Patients were treated by discontinuing the offending drug, topical corticosteroids and oral antihistamines. In 3 cases, the drug origin had been ruled out. Those patients had a good evolution under topical corticosteroids.

**Conclusions:** FDE is a distinctive type of cutaneous drug reaction. Treatments causing FDE are multiple. Analgesic and non-steroidal anti-inflammatory drugs are the major ones on our case series. Physicians should be aware of the existence of cases non related to drugs.

