

Short Communication

## Lichenoid Toxidermy with Antituberculosis

## Hasnae Hoummani\*

Toxicology, Medical Analysis Laboratory Chu Hassan II-Fes 30000, University Hospital Hassan II-Fes, Morocco

41 year old patient, diabetic for 24 years, chronic hemodialysis, epileptic under DEPAKINE<sup>®</sup> and XANAX<sup>®</sup> for 3 years, treated for pulmonary tuberculosis in 2002 declared cured, with recurrence in 2016, put under antibacillary (ERIP K4<sup>®</sup>: 2 RHZE / 4 RH) on 09/2016 and RH (rifampicin, isoniazid) on 12/2016.

The patient has also been on OEDES\* since 2012 and AMEP\* 10 mg for 3 years.

For 2 months and a half before admission (2 and a half months after the start of HR: rifampicin, isoniazid) the patient had a generalized pruritus and post-scratch lesions all over the body, and purplish lesions in hands, as well as painful lesions in the oral cavity with pachyonychia, xanthonychia and onycholysis at the nails.

On the dermatological examination: presence of several excoriated papules and plaques, erosions with whitish scales cited all over the body (trunk, limbs, back, external genitalia, and peri-nail), presence of a few bright purple nodules limited and topped with whitish scales on the back of the left hand, left wrist and at the hemodialysis fistula, also the presence of squamous erythematous plaques at the scalp.

At the examination of the nails: pachyonychia, xanthonychies and diffuse onycholysis at the nails and toes, oil stain at the nail of the thumbs. On examination of the oral mucosa: presence of several erosions surmounted by whitish coatings in the endo jugal and the tongue, peelable with a cheilitis. Dermoscopic examination: presence of purplish erythematous background with whitish scales and streaks of wicka in some places.

The result of the biopsy was indicated to a lichenoid dermatosis compatible with a lichen planus or a lichenoid toxidermie "lichen plan like". Nail biopsy revealed anonychia secondary to onychomadhesis. According to this data we concluded that it is Lichenoid Toxidermie with anti-bacillary.

The results of the analysis of imputability for the couple: Lichenoid rash and the four anti-tuberculosis.

The intrinsic accountability of the case according to the French method revealed that: The cause-and-effect relationship between the appearance of the effect and the administration of the two antituberculosis drugs (Rifampicin and Isoniazid).

The chronological criteria: the delay in the appearance of the effect is compatible. The chronological score is C1.

The semiological criterion is suggestive of the role of the drug and/ or the existence of a favorable factor (Diabetes), semiological score is S2. The overall score of intrinsic accountability is C1S2=I2.

The extrinsic accountability or bibliographic score: the score is spread on a scale from B1 to B4: lichenoid reactions secondary to antituberculosis are rare and are described only in some scientific journals, the antituberculosis involved was Rifampicin, Isoniazid Pyrazinamide and Ethambutol; the extrinsic accountability score is B2.

In the international Vigibase database, there are 34 reported cases of lichenoid reactions worldwide, including one case in Morocco in 2012.

Through the chronological, semiological and bibliographic data, we can consider that the cause and effect relationship is possible when it comes to this patient, with the existence of a favorable factor which is diabetes with several associated comorbidities (hypertension and chronic renal insufficiency).

\*Corresponding author: Hasnae Hoummani, Toxicology, Medical Analysis Laboratory Chu Hassan II-Fes 30000, University Hospital Hassan II-Fes, Morocco, Tel: +212679141796; E-mail: hasnae0310@gmail.com

Received: February 01, 2018; Accepted February 26, 2018; Published March 05, 2018

Citation: Hoummani H (2018) Lichenoid Toxidermy with Antituberculosis. J Pharmacovigil 6: 254. doi:10.4172/2329-6887.1000254

**Copyright:** © 2018 Hoummani H. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.