

A rare case of onychomycosis induced by *Alternaria alternata*

Issoual K*, Louizi I, Dahhouki S, Gallouj S, Elloudi S, Douhi Z, Bay Bay H and Mernissi FZ

Department of Dermatology, Hassan II Hospital University, Fez. Morocco

42-year-old patient, with no particular medical history, consulted for a change in the appearance of the toenails, the change began 2 years ago. It initially affected the nails of the 2 big toes and then, gradually, spread to all the toenails.

Clinical examination showed a yellowish appearance of the nail plate, diffuse thickening on all the toenails, subungual hyperkeratosis with onychodystrophy and a friable appearance of the nails of the big toes.

We did not objectify melanonychia, nor Periungual inflammation, And the nails of the 2 hands were healthy.

Nail sampling for mycological examinations with culture and microscopy was performed on suspicion of onychomycosis. And the results were in favor of *Alternaria alternata* onychomycosis, the diagnosis was confirmed on a second sample.

Non-dermatophytic mold onychomycosis (NDM) is rare, prevalence is 0.76% to 15% depending on the series; the most frequent species are *Aspergillus*, *Neoscytalidium*, *Fusarium*.

Alternaria is the rarest NDM, it represents 0.08% to 2.5% of all onychomycosis and 3 to 10% of NDM; These infections have no characteristic clinical signs, but they are known by their sensitivity to itraconazole, voriconazole and posaconazole, resistance to griseofulvin, 5-flucytosine and fluconazole, and discreet sensitivity to ketoconazole (Figure 1).



Figure 1. A rare case of onychomycosis induced by *Alternaria alternata*

Copyright: ©2020 Issoual K. 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.

***Correspondence to:** Issoual K, Department of Dermatology, Hassan II Hospital University, Fez. Morocco, E-mail : khadijaisoual@gmail.com

Received: February 07, 2020; **Accepted:** February 25, 2020; **Published:** March 03, 2020