

Hospital formulations for the treatment of nonalbicans vulvovaginitis

B. San José, Z. Baskaran, L. Serrano, I. Bilbao, B. Sordo, A. Bustinza, M. Castaño, B. Baza, S. Sautua, E. Rodriguez
 Hospital Universitario de Cruces, Barakaldo (Spain) begona.sanjoseruiz@osakidetza.net

Background:

As vaginal flucytosine is not commercially available, it is necessary to prepare this formulation at Pharmacy Service.

Porpouse:

To describe the elaboration of flucytosine 15.5% (FLUCY15.5), and flucytosine 17% + amphotericin 3% (FLUAM) creams for vaginal use and their efficacy in the treatment of *Candida glabrata* and *Candida tropicalis*.

Materials and methods:

1) FLUCY15.5 was prepared as follows:

2) FLUAM elaboration procedure was:

Vaginal applicators were used to apply the cream intravaginally.

Expiry date: 14 days

Results:

Woman
 36 years
 Vulvovaginitis
 (+)culture: *C. glabrata*
 →resistant to itraconazole
 →sensitive to amphotericin B
 flucytosine
 fluconazole
 voriconazole

Treatment

- PO and IV fluconazole
- vaginal ketoconazole
- IV voriconazole
- vaginal boric acid

Timeline:

- Jan 2009: Initial treatment
- Feb 2009: Change treatment (marked with a red X)
- Apr 2009: Treatment with 5g/day vaginal FLUCY15.5 for 14 days
- Mar 2010: Treatment with 5g/day vaginal FLUAM + OP fluconazole 50mg/day for 14 days (marked with a red X)
- Apr 2010: (+) culture *C. tropicalis*

Conclusion:

Local treatment with flucytosine and amphotericin was effective against vaginal infections caused by nonalbicans *Candida* species.

Disclosure:
 Authors of this presentation have the following to disclose concerning possible financial or personal relationship with commercial entities that may have a direct or indirect interest in the subject matter of this presentation:
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