Hospital formulations for the treatment of nonalbicans vulvovaginitis

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

**Purpose:**
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:
- 28 capsules Flucytosine 500mg (Ancotil®)
- The powder was mixed with glycerine to form a paste
- Cold cream® was added up to 90g.
- It was blended until smooth

2) **FLUAM elaboration procedure** was:
- 31 capsules Flucytosine 500mg (Ancotil®)
- 2.7g amphotericin B powder
- The powder was mixed with glycerine to form a paste
- Acugel® was added up to 90g.
- It was blended until smooth

**Results:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 2009</td>
<td>Patient with vulvovaginitis (+) culture C. glabrata resistant to fluconazole</td>
</tr>
<tr>
<td>Feb 2009</td>
<td>Change treatment to FLUCY15.5 for 14 days</td>
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<tr>
<td>Apr 2009</td>
<td>PO and IV fluconazole vaginal ketoconazole IV voriconazole vaginal boric acid</td>
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<tr>
<td>Mar 2010</td>
<td>FLUAM + OP fluconazole 50mg/day for 14 days</td>
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**Conclusion:**
Local treatment with flucytosine and amphotericin was effective against vaginal infections caused by nonalbicans Candida species.