FUNGAL WOUND: MEDICO-ECONOMIC STUDY OF A MEDICINE VERSUS A DRESSING

AF.Dumet1, A.Leroux1, V.Pelletier1, E.Verin2, B.Dieu1
Pôle Pharmacie, CHU Rouen1, Pôle medecine 3R, CHU Rouen2

INTRODUCTION

Sorbact® is an anti-microbial «green dressing» without an active substance. It is composed of a medium (cotton acetate) coated with a hydrophobic fatty acid derivative: dialkyl carbamoyl chloride (DACC). Sorbact® is indicated in the treatment of bacterial and fungal wounds, from dry to very exudative.

Aim: Compare the overall cost of treatment, for fungal infections in elderly test subjects, of SORBACT® versus ECONAZOLE, a reference treatment.

MATERIALS AND METHODS

- An observational and prospective study was carried out in the HCRS departments at the University Hospital Center (CHU) in Rouen.
- Inclusion of free medical prescriptions in accordance with the two groups: one group prescribed Sorbact® and one group prescribed econazole.
- No criteria of exclusion was defined.
- Study schedule complies with summary of product characteristics:
  - SORBACT®: 1 application / day
    Duration: 15 days
  - ECONAZOLE: 2 application / day
    Duration: 21 days
- The price of the consumables and the time spent by nursing staff caring for the subjects were evaluated.

AS THE CLINICAL EFFECTIVENESS WAS COMPARABLE, A STUDY OF COST MINIMIZATION WAS CARRIED OUT

RESULTS

Cost Details

In total, 20 patients were included over the 3 month period (n=10 per group).

The cost in relation with the time of care represented the main component of the total cost of treatment:
- Econazole 97%
- Sorbact® 75%.

<table>
<thead>
<tr>
<th>SORBACT® group</th>
<th>ECONAZOLE group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total cost of treatment</td>
<td>51€</td>
</tr>
</tbody>
</table>

Advantages of Sorbact®
- Good tolerance
- Very convenient
- Very good conformability of the dressing (apart from for inguinal skin folds)

Disadvantages of Sorbact®
- Maceration
- Warming-up
- One case of an allergic reaction to the adhesive used for fixing Sorbact®

SATISFACTION

The general assessment by the teams was positive, despite the difference in application and routine (cream vs dressing).

CONCLUSION

SORBACT® presented a lower total cost of treatment than ECONAZOLE. Despite a higher consumable purchase price, it was found to be an interesting alternative for use in the treatment of fungal infections.

National Conference on Wounds and Healing, January 17-19, 2016