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Plurigin in the prevention of iatrogenic vaginitis after anal surgery

Introduction

Iatrogenic vaginitis after anal surgery is basically a bacterial and candida infection, due to contamination of the vaginal mucosa during maneuvers during anal surgery bordering the vulvo-vaginal area.

Their frequency is around 30% during these procedures.

In fact, during surgery for specific anal pathology, such as prolapse anterior mucous membranes of the rectum or rectoceles, the surgeon is often obliged to check the integrity of the rectal vaginal wall, resulting in contamination of the vaginal cavity by *Escherichia coli*, *Enterococcus coli*, and *Candida*.

It follows that the normal flora of Lactobacilli is replaced by the contaminating flora, with a reduction in the levels of hydrogen peroxide and fatty acids and consequent infection.

Burning, itching and secretion are the characteristic symptoms of the full-blown infection.

Material and Methods

We examined a sample of 10 female patients of average age 45.6 years, with hemorrhoidal prolapse and obstructed defecation syndrome.

All of them have undergone hemorrhoidectomy; in 7 cases, anterior mucoprolasectomy, and in 3 cases repair of the anterior rectocele trans-anally.

To prevent post-operative iatrogenic vaginal contamination starting from the first day after the surgery, PluriginH is used in vaginal solution and ovules, in a single evening administration for 5 days, at the dosage of: one irrigation on day 1; an ovule on the 2nd-3rd-4th day; an irrigation on the 5th day.

Results

Follow-up was 3 months in all patients.

No patient had a clinical manifestation of vaginal infection.

No patient had any side effects or adverse events.

Discussion

Plurigin is a class III medical device certified by the Higher Institute of Health.

Its hydrolyzed collagen-based composition, Equisetum arvense, PHMB (polyhexamethylenbiguanide) and lactic acid make it suitable for prevention of vaginal contamination.

The vaginal solution in 250 ml bottles acts first of all with mechanical cleansing due to the abundant volume delivered during vaginal washing. hydrolyzed collagen and the extract of Equisetum arvense, contained in the ovule and

in the solution create the suitable conditions to favor the healing processes and re-epithelialization.

PHMB, EDTA and lactic acid perform a synergistic action in fighting the proliferation of pathogenic germs, made even more effective by the activity of essential Melaleuca oil and Thyme extract.

Conclusions

The use of Plurigin to prevent vaginal contamination after anal surgery has shown very high efficacy, eliminating the percentage of cases of expected infection and no side effects or adverse events.

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