



Research Article

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PRX-T Lady - Initial Observations



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Abstract

Aesthetic gynaecology procedures are growing in popularity. More and more patients are asking about the possibility of improvement of the appearance, tension and lubrication of sexual organs. PRX-TLady is a new product for genital skin chemical bio stimulation to improve its tension and thickness. The aim of the preliminary study was to determine the effectiveness of the firming treatment using PRX-TLady preparation.

Keywords: PRXLady; Vaginal laxity; Vaginal rejuvenation; Labia chemical biostimulation; aesthetic gynaecology

Abbreviations: TCA: Trichloroacetic Acid; H₂O₂: Hydrogen Peroxide

Introduction

Treatments in the field of aesthetic gynaecology are gaining popularity. More patients are asking about a possibility of improving appearance, tension and hydration of genital organs. A vaginal laser therapy, aiming at improving tension of vaginal walls, thickening the mucous membrane and improving skin hydration, is a frequently used procedure [1-5]. It has to be mentioned that patients often complain about discomfort associated with excessive dryness and atrophy of the outer side of the labia. This type of changes occur with age, and they do often affect women during menopause and after menopause. A loss of firmness and excessive dryness of the labia may cause abrasions when performing sport activities, and this tendency also conduces to the occurrence of infection [4-10].

PRX-T Lady is a new product designed for chemical biostimulation of skin of the intimate area, which appeared on the European market as a class I medical device with the CE mark. A treatment using PRX-TLADA aims at chemical biostimulation of the skin-it improves its tension and density. The PRX-TLady preparation contains: trichloroacetic acid (TCA), which stimulates a production of new structural proteins, i.e. collagen and elastin, hydrogen peroxide (H₂O₂) increasing permeability of TCA into the dermis, and kojic acid known for skin lightening properties.

The treatment with the use of PRX-TLADA consists in applying the preparation onto the skin and performing an energetic massage using a hand or a special brush. A number

of layers of the preparation is selected individually depending on the condition of skin, its reaction and the area undergoing treatment. On average, two to four product layers are applied.

During this procedure, patients may feel a slight tingling or smarting sensation. The skin may turn red or whitening may occur (the so-called „frost”). The producer declares that it is necessary to perform about 4-6 treatments at seven days intervals to achieve the desired effects. The patient undergoing this type of treatment, as a part of home care, should use whitening serum and regenerating cream from a dedicated line of home care cosmetics.

Materials and methods

The effectiveness of the firming treatment performed with the use of PRX-TLady preparation in the area of the labia majora has been evaluated. The study involved 10 women of the average age of 50.73±5.31years that reported discomfort associated with the loss of skin firmness and/or excessive skin dryness in the above-mentioned area.

Before a series of 4 treatments with the use of PRX-TLady, each participant had a medical interview, contraindications for the planned treatment were excluded, and self-evaluation survey of each patient was carried out. Additionally, photographic documentation was created. It also has to be mentioned that all patients expressed their written consent to take part in the study and the series of 4 treatments mentioned above.

Treatments were carried out in accordance with the standard treatment protocol obtained from the preparation producer. The first step was to clean patient's skin with a product designed to reduce the pH of the skin, then 2-4 layers of PRX-TLady were applied and the area was intensively massaged. Next, the skin was cleaned with cold water and dried with a paper towel, and later, as a next step, a regenerating cream dedicated to this type of treatment was applied.

Preliminary Result

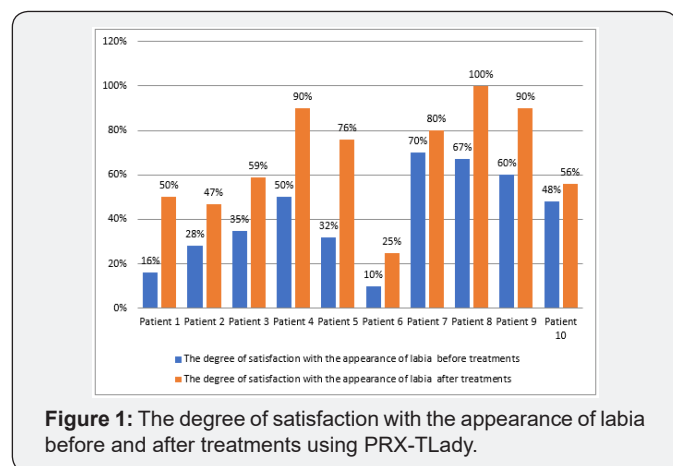


Figure 1: The degree of satisfaction with the appearance of labia before and after treatments using PRX-TLady.

The patients answered a series of questions before and after the procedure. Before the surgery, only 30% patients were generally satisfied with the appearance of their labia. On the other hand, after the surgery only 30% patients were generally dissatisfied. The evaluation of satisfaction with the appearance of the labia increased in patients from $41.60 \pm 20.75\%$ before the series of treatments to $67.30 \pm 23.65\%$, i.e. 14 days after the series of treatments (Figure 1). According to the patients, firmness of the skin, in the area of the labia, after the treatment increased. It increased, on an average, by: $76.40 \pm 26.40\%$ (Figure 2).

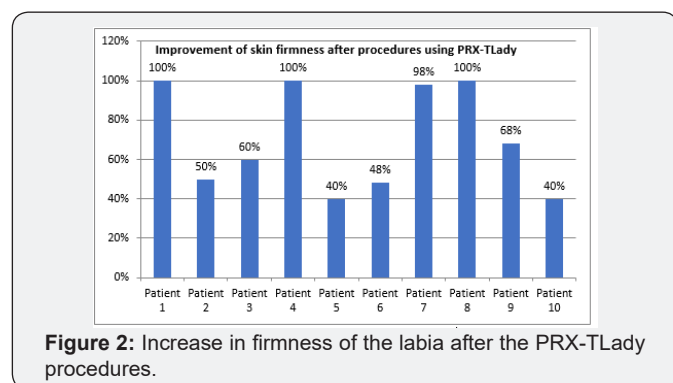


Figure 2: Increase in firmness of the labia after the PRX-TLady procedures.

Patients did also answer the questions about influence of the loss of firmness of the labia on quality of everyday life. As many as 90% of patients stated that reduction of firmness of the labia negatively affects quality of everyday life (work, study, hobby, sport, etc.). It should be added that 90% of patients observed an improvement in the quality of everyday life after the series of treatments.

Patients were also asked about the effects of reduction of labia firmness on the quality of sexual life. 80% percent of patients observed the effect of loss of skin firmness on their quality of sexual life. In turn, 90% of respondents noticed an improvement in the quality of sexual life after the series of treatments. The women, taking part in the study, were also asked to determine to what extent the reduction in labia firmness affects their emotional state (irritability, nervousness, lowering of mood, lowering of self-esteem).

It should be also noted that as many as 70% of patients observe the negative effect, associated with the loss of labia firmness, on their emotional state. After the surgery, 80% of patients observed improvement in this area. 100% of patients were satisfied with the results obtained after the series of four treatments. Two patients reported an intense smarting sensation occurring while undergoing the treatments and 3 patients experienced exfoliation of the epidermis. 50% of the patients noticed that their skin lightened in the area which was undergoing the treatment.

Initial Result

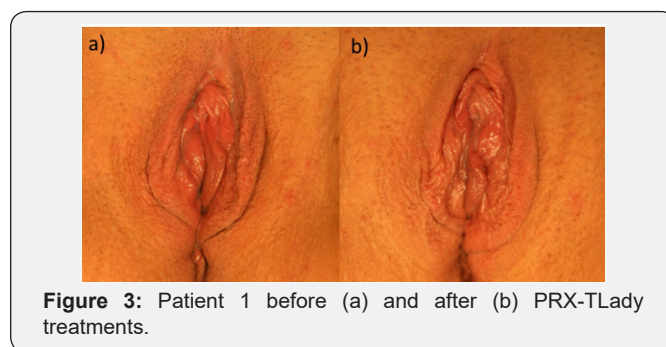


Figure 3: Patient 1 before (a) and after (b) PRX-TLady treatments.

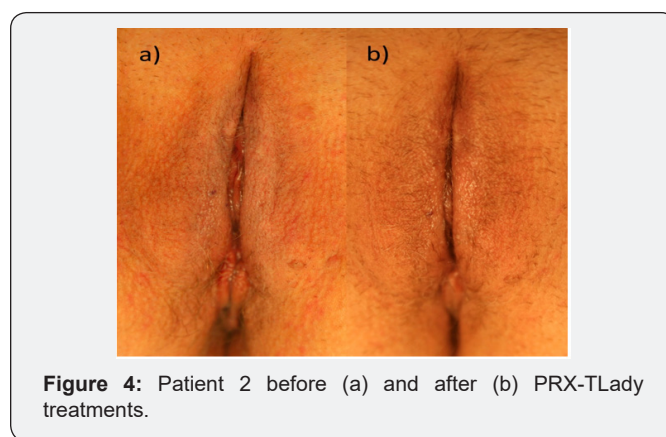


Figure 4: Patient 2 before (a) and after (b) PRX-TLady treatments.

Initial observations indicate that treatments using PRX-TLady may be considered an effective method of firming up the major labia (Figure 3&4). This type of treatment is well tolerated by patients, as it does not exclude them from carrying out a "normal everyday life" and professional activity. One shall also take into consideration that more sensitive patients may experience skin irritation, disappearing after using dedicated, regenerating cream, and temporary exfoliation of the epidermis.

The Aim of the Study

The aim of the preliminary study was to determine the effectiveness of the firming treatment using PRX-TLady preparation.

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