

EFFECT OF A *CORIOLUS VERSICOLOR*-BASED VAGINAL GEL FOR HIGH-RISK HPV CLEARANCE AND CYTO-NORMALIZATION IN A 44-YEAR-OLD PATIENT WITH HR-HPV PERSISTENCE OF MORE THAN 10 YEARS



Authors:

Belén López-Cavanillas¹, Patricia Sanmartín Salinas²

¹Obstetrics and Gynaecology Service, Lower Genital Tract Unit, Hospital Universitario La Paz, Madrid, Spain, ²Procare Health, Barcelona, Spain

BACKGROUND/OBJECTIVE

Human papillomavirus (HPV) infection is one of the most frequent sexually transmitted infections and high-risk (HR) oncogenic strains of HPV are behind virtually all cases of invasive cervical cancer. Although prophylactic vaccines are highly effective, they have no therapeutic effect. In this clinical case, a *Coriolus versicolor*-based vaginal gel treatment was assessed for HR-HPV clearance and cyto-normalization.

METHODS

A clinical case of a 44-year-old woman, ex-smoker from 2018, who attended for a routine follow-up visit due to a history of persistent infection for 12 years with a HR-HPV strain and both low-grade and high-grade squamous intraepithelial lesions in the cervix and vagina. The patient was subjected to two excisional therapies (large loop excision of the transformation zone) in 2007 and 2009 and one cervical CO² vaporization in 2013 (Figure 1), plus another vaginal CO² vaporization in 2014 (Figure 2,3) which reduced the extension and grade of the lesions. The follow up of the case showed 4 years of viral persistence with cytological results alternating between low-grade cervical lesions and negative cytology (Figure 4).

At the time of the consultation in 2019, she presented with LSIL and positive for HR-HPV type 53. Taking into account that a *Coriolus versicolor*-based vaginal gel, has proven to be effective and safe in repairing low-grade cervical lesions and enhancing HPV clearance in several different studies, a conservative treatment with this gel was prescribed (1 cannula/day for 1 month + 1 cannula/alternate days for 5 months).

RESULTS

After several surgical procedures and a long history of HR-HPV persistency, the patient achieved complete cyto-normalization and HR-HPV clearance with a 6-month treatment period of the *Coriolus versicolor*-based vaginal gel.

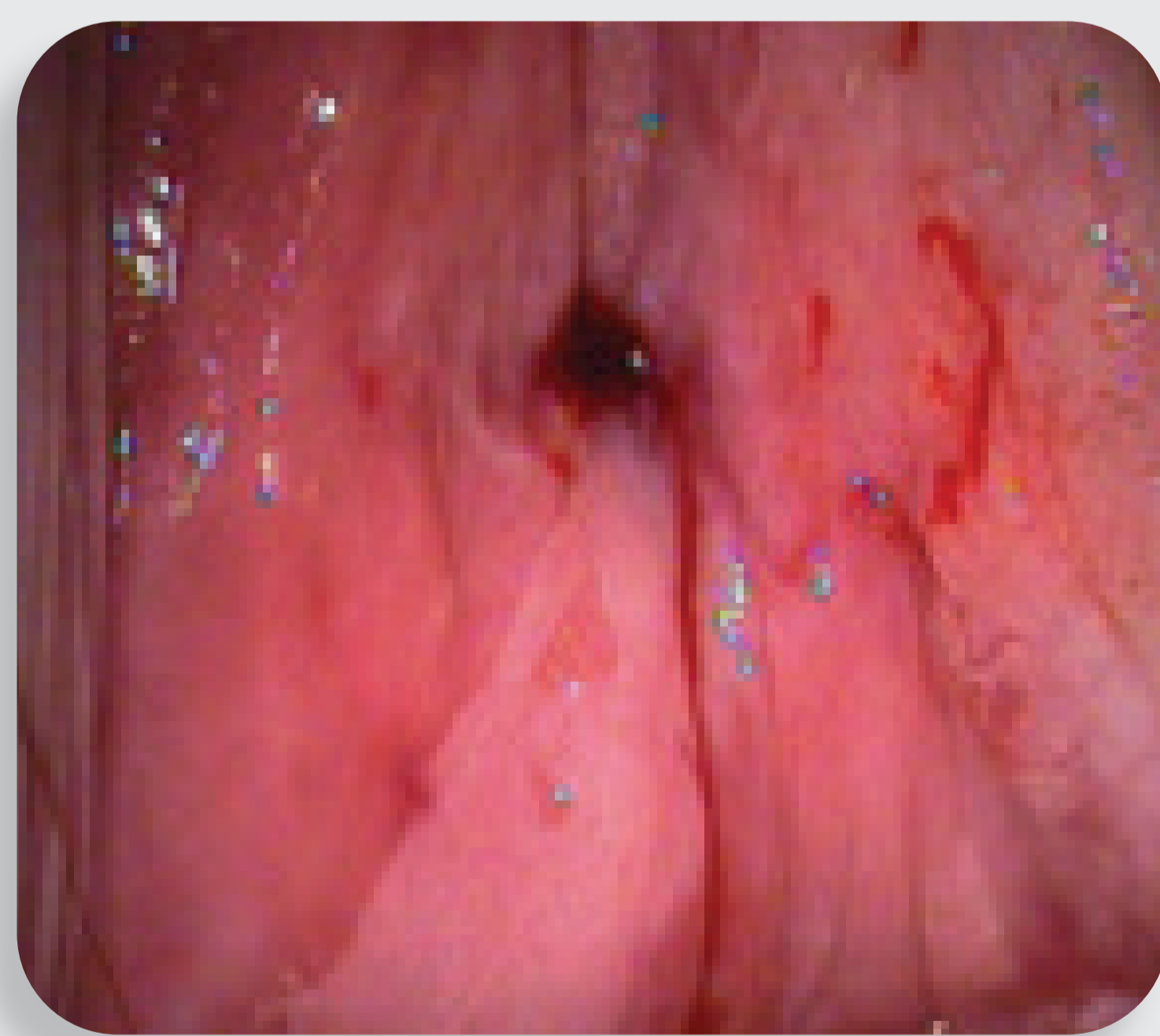


Figure 1. Colposcopy/vaginoscopy in April 2013.



Figure 2,3. Vaginoscopy in January 2014.



Figure 4. Vaginoscopy in January 2015.

CONCLUSION

This clinical case shows that a conservative non-invasive treatment with a *Coriolus versicolor*-based vaginal gel can be a valuable therapeutic option to achieve the normalization of cytological alterations and HR-HPV clearance in a patient with a long history (12 years) of HR-HPV persistency after several excisional and destructive treatments.