



# ACTAS Derma-Sifiliográficas

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## VIDEOS OF SURGICAL PROCEDURES IN DERMATOLOGY

### Cryotherapy in Anatomically Difficult Areas<sup>☆</sup>



#### Crioterapia en zonas anatómicas de difícil acceso

#### Introduction

Anogenital warts are a major reason for consulting venerology.<sup>1</sup> No significant differences were observed in the effectiveness of treatments used (cryotherapy, trichloro-medical,<sup>2</sup> podophyllin or imiquimod), therefore, the preferences of the patient, the experience of the clinician, number and anatomical location of the lesions should be taken into account.<sup>1,2</sup>

#### Indications and contraindications

Cryotherapy is a cheap, simple method that causes cytolysis<sup>1</sup> and stimulates the immune response, with only local adverse effects,<sup>1</sup> making it ideal in patients with various contraindications such as pregnant women.<sup>2</sup> The main limitation of this technique is to define the intensity and duration of treatment<sup>1</sup> and the difficulty to reach anatomical areas of difficult access.

#### Description of the procedure

We propose using a Foley catheter of CH16 with two lights to which we resected the proximal portion. We use a 2 ml syringe after cutting off the flaps of the upper part and linked both modified elements. This system is then connected to the Cry-Ac<sup>®</sup> by the resected portion of the Foley catheter. Then we adapt to the tip of the syringe a metal suction tip, choosing its thickness according to the desired precision. We use a latex protector to isolate

the entire system and prevent entering in direct contact with the patient. Only the suction probe will be of a single use.

#### Conclusions

In this way, we reach difficult-to-access anatomical areas such as the anal canal, vagina or oral cavity, still allowing us to keep the Cry-Ac<sup>®</sup> vertical which is required for its functioning (video).

#### Appendix A. Supplementary data

Supplementary data associated with this article can be found, in the online version, at [doi:10.1016/j.adengl.2018.09.017](https://doi.org/10.1016/j.adengl.2018.09.017).

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