

**Cryospray 59 is based upon the principle that living cells which are rapidly frozen are initially damaged and subsequently die from the effects of freezing.**

It is now widely thought that it is the rate of cooling and thawing which causes this effect rather than the actual temperature achieved and that in practice few cells are able to change quickly enough to protect themselves from the rapid change in temperature.

It is probable that the membranes of affected cells are ruptured during freezing, releasing cell contents and viral antigens.

This release is recognised by immunoreactive cells and can generate a cell band immune response which results in a regression of plantar warts.

Cryospray 59 is designed to freeze tissue to temperatures of around  $-50^{\circ}\text{C}$  to achieve an effective result. Other Cryogenic treatments (e.g. liquid nitrogen) can reduce the temperature of the tissues to  $-185^{\circ}\text{C}$  which may result in a lot of pain.



### Information to tell your patient

Although less painful than other cryosurgical techniques there may be some moderate pain during the treatment and the patient should be informed of this before commencing.

After treatment, because the area has been frozen, it may become uncomfortable as it begins to thaw. It may therefore be advisable for the patient to take a suitable painkiller.

It is important that the patient returns for a follow up consultation. The site of the verruca should be examined and any calloused tissue carefully debrided.

Cryospray 59 is not classified as dangerous to the environment.

Its main ingredient 1,1,1,2-tetrafluoroethane degrades by diffusion in the stratosphere where it degrades by photolysis, with no depletion of the ozone layer.

**Disposal instructions** - Do not puncture or incinerate even when empty. Dispose of in accordance with local authority requirements.

### FOR PROFESSIONAL MEDICAL USE ONLY

Inexperienced or careless use of this product may result in damage to the skin or underlying tissue

**MUST NOT BE USED ON BROKEN SKIN**

**Cuxson  
Gerrard**

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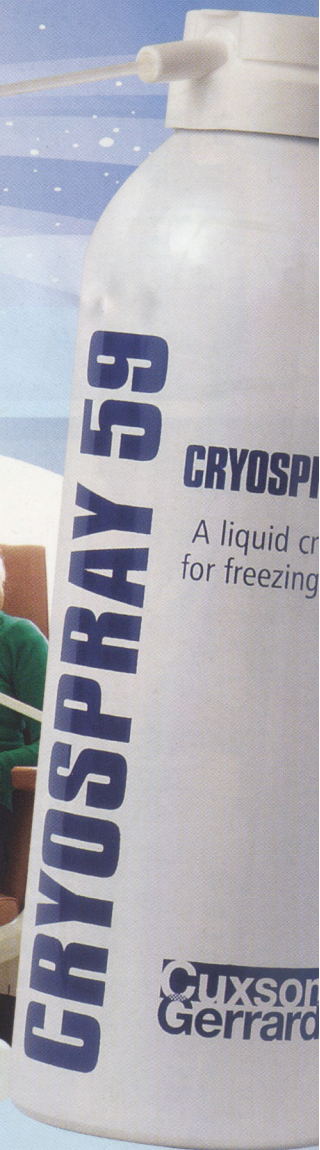
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CRYOSPRAY 59

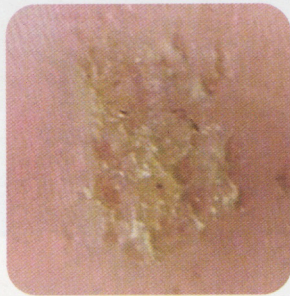
# CRYOSPRAY 59

The professional solution  
for effective Wart and  
Verruca removal

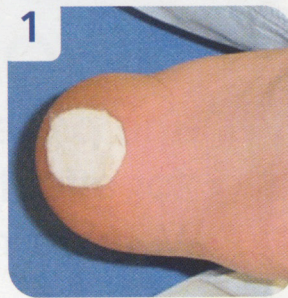




# Method of Application Using the Probe



Warts and Verrucas (plantar warts) are caused by the human papova viruses which are almost exclusively human papilloma viruses (HPV).



1 Cut a piece of 5mm Hapla s/c all wool felt to the correct shape of the area to be treated and stick in position. For small lesions a cotton bud may be used in place of the felt pad.



2 It is important to protect the skin surrounding the verruca to avoid possible damage. This can be achieved by applying a smear of petroleum jelly.



3 Holding the probe close to the felt, spray for 3-5 seconds and repeat 6 times at 1 minute intervals. Do not overspray as this may overload the felt pad allowing liquid cryogen to run onto the unprotected skin.



4 The felt acts as a reservoir for the liquid and helps to control the freezing of the tissue.



5 Around 1 minute after the sixth spray carefully remove the felt pad and clean away the protective gel.



6 A protective pad is cut with bevelled edges to protect the area.



7 The pad is positioned around the verruca site to make weight bearing during walking more comfortable for the patient.



8 For dressing retention and to further protect the area Chirofix tape should be applied over the pad and verruca site.

## Small Verrucas

### - Cotton Wool Tipped Applicators



Firmly attach an applicator into the can. Place can on edge of a table and taking care no parts of your body or clothing are under or around the applicator press the dispensing button for around 3 seconds. **(DO NOT SPRAY DIRECTLY ONTO THE SKIN WHEN USING A COTTON WOOL APPLICATOR).**

When droplets start to fall from the applicator release the dispensing button and replace the protective cap.

Tilt the can forward for 15 seconds to allow any excess liquid to drain away. With the verruca to be frozen facing upwards and the applicator pointing downwards lightly place the tip of the applicator onto the verruca for a maximum of 30 seconds or until the skin around it turns white.

The area can be padded for protection as shown in pictures 7 and 8.

Each applicator is for single use only and should be discarded after use. The pack contains 12 applicators, further are available from podiatry distributors or from Cuxson Gerrard direct.

## Other Methods of Application



### SPRAYING

Protect the area surrounding the treatment site with petroleum jelly. Holding the tip close to tissue, spray for 3-5 seconds and repeat 6 times at 1 minute intervals. Do not overspray.

### DROPS

If droplets of Cryospray 59 need to be applied this should be done by applying one drop at a time to the site. This can be done by gently pressing the dispensing button and allowing the liquid to drop

onto the treatment site. Cutting the probe at an angle will provide greater control in the application.

Ensure that the surrounding area is protected with petroleum jelly.

Cryospray 59 is a lightweight self contained portable unit.