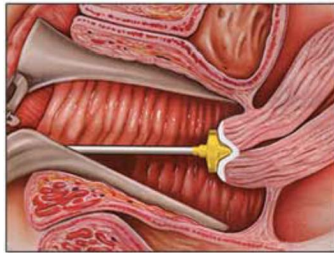


**Most portable  
device for  
cryosurgery**

## **Cryo-S MINI**

**Gyneacology**





• Before Cryosurgery



• After Cryosurgery



## Cryosurgery - Indications

Main purpose of cryosurgery in gynecology is destruction of pathologic tissues of the cervix, vagina and endometrium by freezing in situ (without removing). Cryosurgery is a safe, effective, inexpensive and easy to perform procedure of pre-malignant diseases which does not impair fertility. This method is used to treat cervical ectopia, erosion, cysts, polypoid, papillomatous hyperplasia of the mucous membrane, recurrent cervicitis, condyloma, cervical intraepithelial neoplasia (CIN 1, II, III) or menorrhagia (heavy menstrual bleeding).

## Advantages of cryosurgery

- After gently freezing (up to 3mm depth) scarring in most cases is invisible, after deeper freezing scar tissue is elastic and does not have any influence on reproductive functions. Treatment is suitable for women who have not given birth and those who want to give birth.
- Contrary to other methods the zone of tissue necrosis does not increase on the second day after the treatment. It is exactly as intended, and consistent with the borders of the frozen area. In case of coagulation methods, burnt tissue demarcates deeper than can be seen during the procedure (Laser, LOOP, RF).
- Cryosurgical treatment of cervix pathologies is not associated with the risk of endometriosis! The frozen area remains covered with epithelium, which acts as a biological dressing.
- Cryosurgery procedures are smokeless and odourless in contrast to high temperature procedures like photo-coagulation, electrocoagulation and laser vaporization. Surgical smoke contains active viruses i.e. HPV, HCV and bacteria and creates danger of infection in air passages to people staying nearby.
- Cervical disc treatment is completely painless; vulva treatment requires local anaesthesia.
- Possibility to freeze the recurrences after previous surgery treatment.
- Possibility to perform the majority of procedures on an outpatient basis.

## Effects of cryosurgery

The acceptance of cryosurgery by patients is very high. Cryosurgery has a greater clearance rate than other ablation techniques. It is reported that the rate of treatment lower genital tract is approximately 95%.

Average cure rate in cervical intraepithelial neoplasia is 94%  
- CIN 1. 93% - CIN 2. 84% - CIN 3/CIS

## Cryo-S MINI

CRYO-S MINI device is intended for local, rapid and efficient freezing of tissues using a wide range of contact cryoapplicators and unique spraying cryoapplicator, which with continuous cooling adjustment permits freezing of very small lesions (several cubic millimetres) as well as very large ones (several dozens cubic centimetres)

CRYO-S MINI device is ready for operation within several seconds. Tip of a probe achieves min. temperature in 2 to 10 seconds upon pressing the foot switching controller. Releasing the pedal causes return to temperature above 0°C in 3 seconds.



C E2214

## Advantages of Cryo-S MINI

- Portable machine, no need for electricity, works with CO<sub>2</sub> and N<sub>2</sub>O gases
- Simple in use, easy to install, fast procedure start
- Freezing strength regulation
- High quality manufacturing

## Cryoprobes

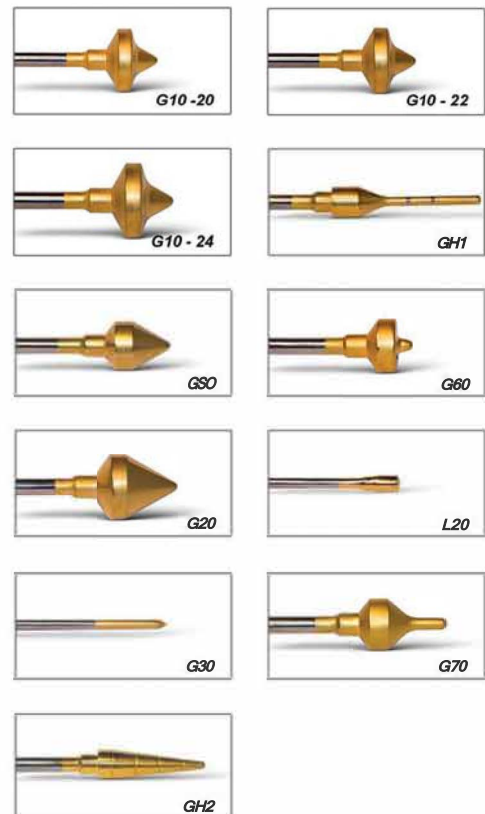
Due to the special shapes of the contact cryoprobes, full scope of freezing within the area of vagina, fornix, cervix and cavum uteri is possible, as well as within the area of labia, anus.



## Spray cryoprobe

Metrum CryoFlex developed and patented unique spray type cryoprobe for gynecology enabling higher effectiveness of the procedure.

It can be used with single use cotton swabs and reusable freezing limiters.



# we are inspired by your expectations

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