

Cryoneurolysis is a therapeutic method basing on temporary interruption of neural and motor functions of selected structures of the nervous system by application of cold. Cryoneurolysis is gaining more acceptance as an innovative method in pain relief. It uses the process of analgesia, during which the ice crystals created by the cryosurgical device destroys the elements of the nerve tissue carrying pain information. Cryoablation does not damage nerve structures permanently. That is why nerve tissues can regenerate slowly with no risk of post-procedural neuritis. The procedure is safe and minimally invasive, recommended especially when traditional methods proved to be unsatisfactory.

Application:

- Acute post-operative pain from thoracotomy
- Facial pain syndromes (tic douloureux)
- Occipital, suprascapular, ilio-inguinal and other specific neuralgias
- Facet syndrome – cervical, thoracic and lumbosacral
- Coccydynia
- Perineal neuropathies
- Phantom Limb
- Trigger points
- Painful neuromas
- Tennis elbow syndrome and golfer's elbow syndrome
- Painful shoulder syndrome
- Carpal tunnel syndrome



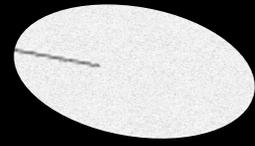
The advantages of cryoneurolysis using Cryo-S Electric PAINLESS

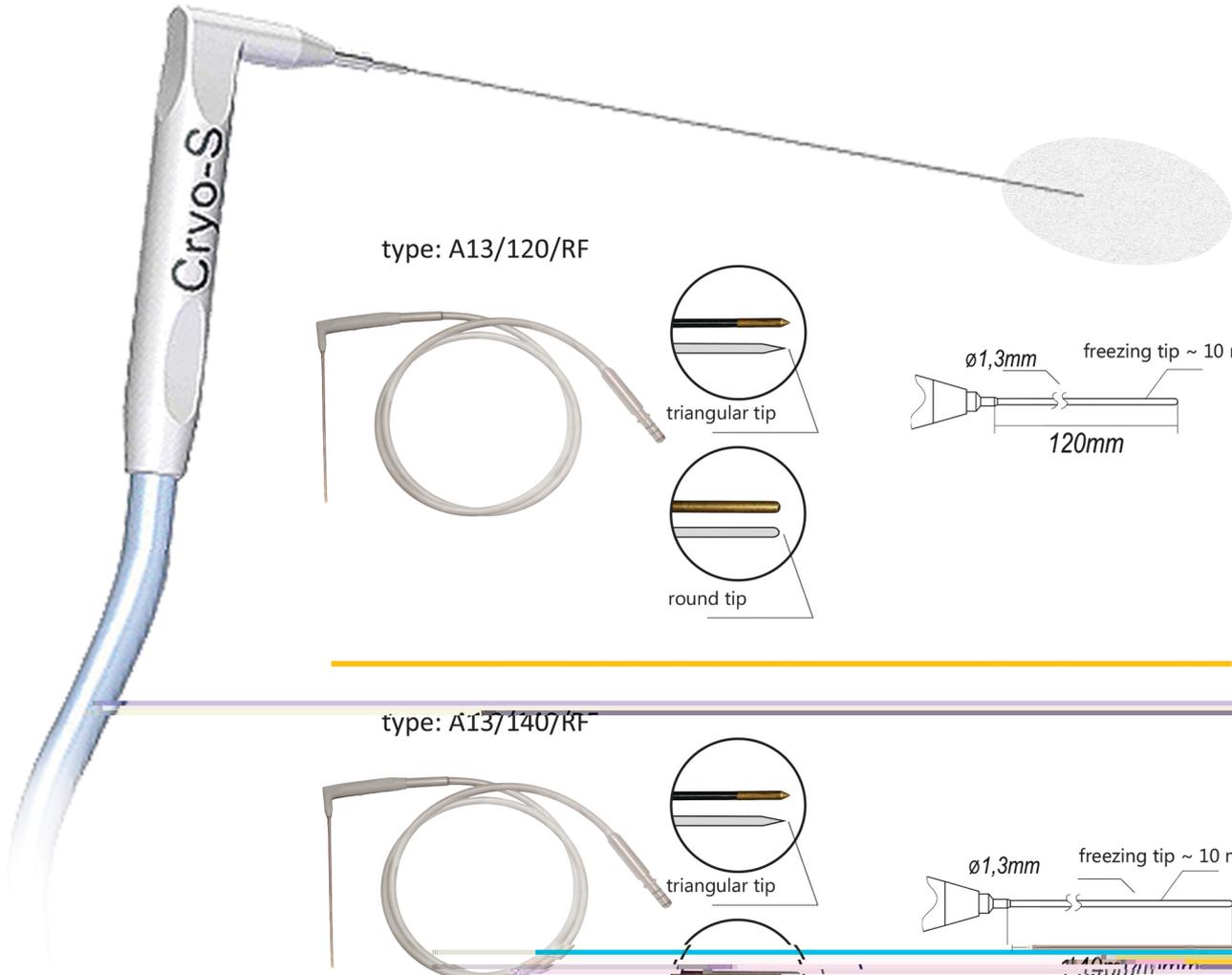
- Outpatient procedure, reversible
- High efficiency: pain reduction for 6 months to 2 years
- Simple diagnosis: fluoroscopy or echography
- Subcutaneous procedure, microinvasive under local anesthesia
- Fast return to normal activity – no hospitalization
- Procedure can be repeated
- Painless
- Low cost of procedure
- Whole range of single use and reusable contact probes of various shapes and sizes

Cryo-S Electric PAINLESS is controlled by microprocessor, and all the parameters are monitored on LCD screen.

- Mode selection, cleaning the probe and freezing can be performed automatically using footswitch or touch screen, so that the site of a lesion remains sterile.
- Electronic communication (chip system) between the connected cryoprobe and the main device. Unit recognizes optimal operating parameters and auto-configures to probe characteristics.
- Gas pressure and flow are set automatically, manual adjustment is not necessary.
- Contains automatic probe cleaning system and two freezing modes (continuous and discontinuous).
- Temperature of the probe, pressure, gas flow and time of the procedure are screened during freezing.

pain management





type: A13/120/RF

triangular tip

round tip

$\varnothing 1,3\text{mm}$

freezing tip ~ 10 mm

120mm

type: A13/140/RF

triangular tip

round tip

$\varnothing 1,3\text{mm}$

freezing tip ~ 10 mm

140mm

type: A13/140/RF

triangular tip

round tip

$\varnothing 1,3\text{mm}$

freezing tip ~ 10 mm

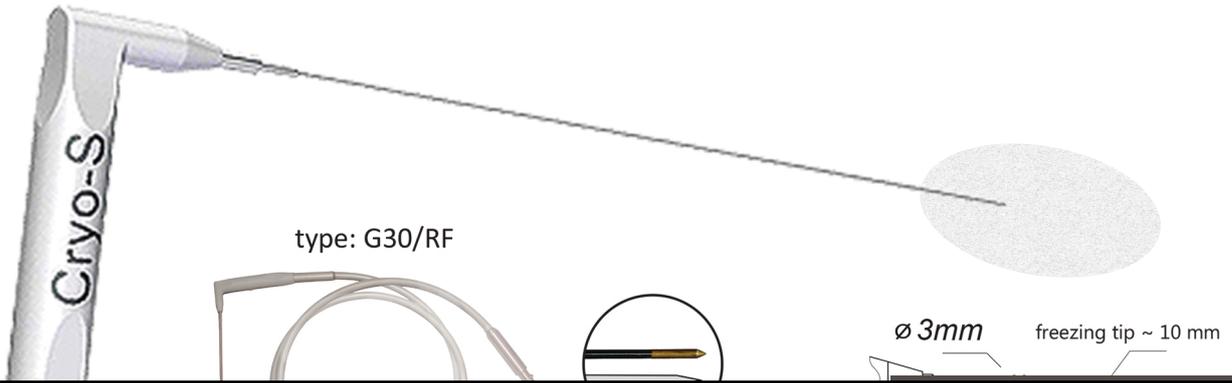
140mm

Cryo-S PAINLESS[®]

device for balloon cryoablation

Metrum CryoFlex

pain management



Metrum CryoFlex

Metrum CryoFlex is a recognized manufacturer of highly specialized medical devices for cryosurgery, cryotherapy, pressotherapy, laser medicine and ozonotherapy. Engineers from our R&D department are passionate people focused on constant development and setting new standards in medical technology.

Our goal is to achieve maximal safety, effectiveness and comfort of the procedures both for doctors and patients.

Devices manufactured in **Metrum CryoFlex** meet the requirements of the **European Medical Directive MDD/93/42/EEC** and are **CE-marked** by **TUV**.

To all our customers we provide professional product trainings and a free equipment testing.

METRUM products are distributed by BOYRAZ Medikal in Turkey.



BOYRAZ

Medikal Sistemleri San. ve Tic. Ltd. Şti.

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