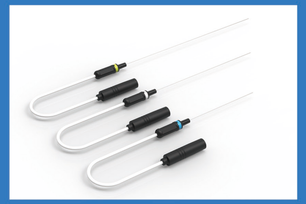
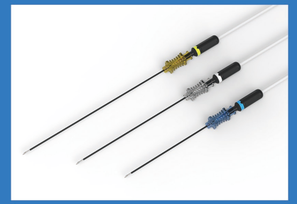
Sterile Single-use (Disposable) RF Probe

Disposable RF electrode

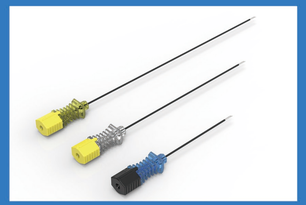
- Nitinol and stainless steel
- Varied lengths, gauges, and tip-shapes





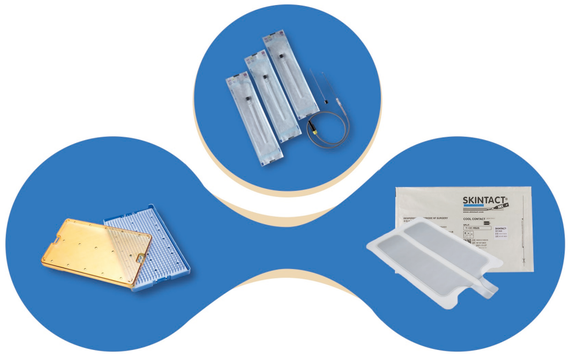
Disposable RF Cannula

- Single-use with EO sterilized
- Varied lengths, gauges, and tip-shapes
- Color identification for tube length
- Compatible with majority brands



Outer Φ (mm)	Length (mm)	Active tip (mm)	Shape
0.7 = 22G	50	4 / 7	Straight
0.7 = 22G	100	2 / 5 / 7 / 10	Straight
0.7 = 22G	100	5 / 10	Curved
0.9 = 20G	100	5 / 7 / 10	Straight
0.9 = 20G	150	2 / 5 / 7 / 10 / 15	Straight
0.9 = 20G	150	5 / 10	Curved
0.9 = 20G	200	10	Straight
1.5 = 17G	100	2 / 5 / 7 / 10	Straight

More details on request



Contact Al Amal Medical Company

Tel / WhatsApp: +971585202550

Email: info@alamamed.com

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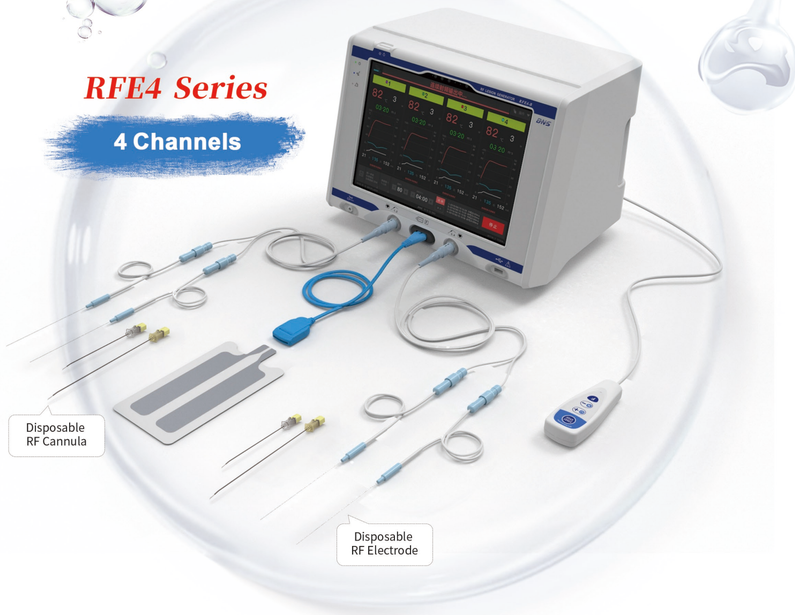
CE 0123 ISO 13485

RF Lesion Generator & Disposable Accessories

Pain and Neuro

RFE4 Series

4 Channels

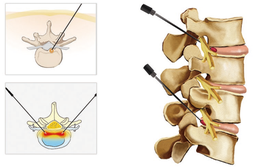


AL AMAL MEDICAL COMPANY FOR MEDICAL EQUIPMENT AND RE

RFE2 Series Radiofrequency Lesion Generator For Pain and Neuro

- For pain management and neuro surgery
- Different electrode configurations

One electrode Monopolar
Two electrodes Monopolar
One electrode Bipolar
Two electrodes Bipolar





- Stimulator and Impedance Monitoring
- Thermal RF
- Pulsed RF

Temperature-controlled PRF
Duration-controlled PRF
Voltage-controlled PRF

- Patient Records



RFE4 Series Radiofrequency Lesion Generator For Pain and Neuro

- 12-inch touch screen
- Multiple therapy modes
- Independently adjust time and temperature while applying treatment
- Mixed Thermal RF and Pulsed RF Mode
- Up to 8 RF Outputs

Up to 100 Watts RF output



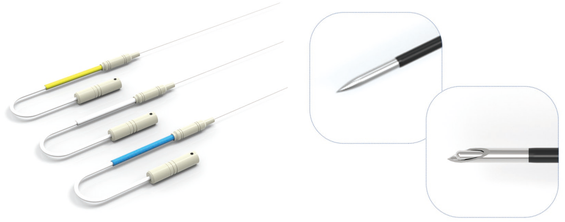


Simultaneous for
4-8 targets treatment

Autoclavable RF Electrode

Varied lengths and gauges

Reliable temperature monitoring



- **Fine Stainless Steel RF Electrodes for pain**

Conventional
Cost-effective

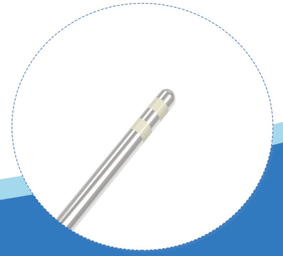
- **Nitinol RF Electrodes for pain**

Made from Nitinol material
More durable
More flexible

- **Brain RF Electrodes for Neuro**

Monopolar electrode
Bipolar electrode





AL AMAL MEDICAL COMPANY FOR MEDICAL EQUIPMENT AND REPAIRING

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Email: info@alamamed.com

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RADIOFREQUENCY LESION GENERATOR

Water Cooling

continuous temperature control



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Al Amal Medical Company

4 CHANNELS RADIOFREQUENCY LESION GENERATOR

Simultaneous for 4 targets treatment

- 12-inch touch screen
- Multiple therapy modes
- Independently adjust time and temperature while applying treatment
- Up to 4 RF Outputs
- Up to 100 watts RF output

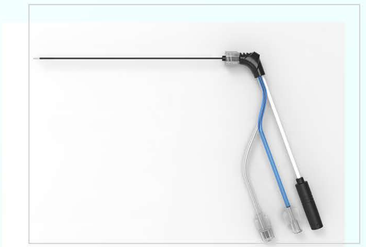


PUM-RA & PUM-RB

- Single pump & Double pumps
- RF lesion generator control & Self-control
- Max speed up to 450rpm
- Use standard sterile water, normal saline



WATER-COOLED ELECTRODES & CANNULA







WATER-COOLED ELECTRODES

Number	Description	Active Length (mm)
REC120500xN	1.2-50-x	2, 3, 4
REC120750xN	1.2-75-x	2, 3, 4, 5
REC121000xN	1.2-100-x	3, 4, 5, 6
REC121500xN	1.2-150-x	3, 4, 5, 6
REC122000xN	1.2-200-x	4, 5, 6

DISPOSABLE CANNULA

Number	Description	Length (mm)
RCN17G050N	17G-50	50
RCN17G075N	17G-75	75
RCN17G100N	17G-100	100
RCN17G150N	17G-150	150
RCN17G200N	17G-200	200

CLINICAL THERAPEUTIC EFFECT

- Water-cooled electrodes can produce larger thermal condensation damage.



CERVICAL PAIN



CHRONIC LUMBAR PAIN



DISCOGENIC BACK PAIN



KNEE



WITHOUT
WATER COOLING



WITH
WATER COOLING

PRODUCT CATALOGUE

AL AMAL
MEDICAL COMPANY

PAIN TREATMENT SPINAL DEVICE RF INNOVATION

Al Amal Medical Company for Medical Equipment and Repairing

Tel / WhatsApp: +971585202550

Email: info@alamamed.com

1.0 Nerve block 01

1.1 Uttrosound Nerve block needle 01

1.2 Uttrosound and Stimulation Nerve block needle Type A 01

1.2 Uttrosound and Stimulation Nerve block needle Type Z 02

2.0 Stimutator 02

3.0 RF Cannula 03

3.1 RF Cannula Straight Type 03

3.2 RF Cannula Curved Type 03

3.3 RF Cannula with hole 04

3.4 RF Cannula with claw 05

4.0 RF Electrodes 07

4.1 Disposable Electrodes 08

4.2 Reusable Electrodes 10

4.3 Hybird Combination Electrodes 12

4.4 Stereotactic Electrode Disposbate 13

4.5 Disposable Cordotomy Electrode Kit 14

5.0 RF Catheter Electrode kit 15

6.0 RF Water Coiling Electrodes 17

6.1 Monopote Water Coiling Electrode 17

6.2 Bioptar Water Coiling Electrode 18

7.0 Electrode Extension Adaptor Cable 19

7.1 - 7. 19

7.3 - 7.5 BAYLIS / NUROTHERM / STRYKER 20

7.6 - 7.8 SMITH NEPHEW / DIROS / BNS 20

8.0 Converter 21

8.1 Skyker One out two Converter Cable 21

8.2 BNS One out two Converter Cable 22

8.3 BAYLIS One out **Four** Converter box 23

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9.0 Epidural neurotysis mt 25

10 NAVI Catheter 27

11 Electric rotary needle for discectomy 29

12 Verebrat Ptasty Ablation Kit 31

13 Generator 33

14 Location Sticker X-Ray Radiopaque 34

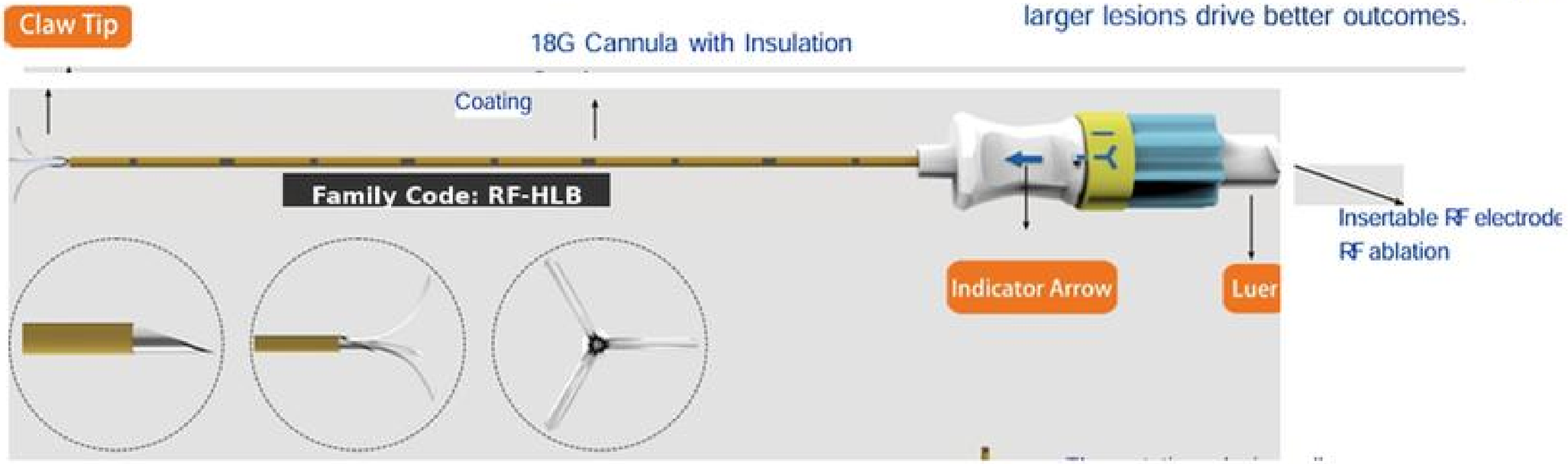
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RF Cannu\a Series

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Radio Frenquency Cannula - Claw Type

Designed to be used for large lesion, the cannula has built-in retractable claws, after locating the target nerve, can be extended by rotating the hub to increase the ablation range, clinic research report larger lesions drive better outcomes.



KIT CONFIGURATION — Claw Type RF Cannula & RF Electrode Kits (Small Kits) **Family Code: RF-HLB**

RF-HLB2

2 NEEDLES + 2 ELECTRODES

- 2 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 2 × RF Electrode — sterile, single-use

RF-HLB4

4 NEEDLES + 4 ELECTRODES

- 4 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 4 × RF Electrode — sterile, single-use

RF-HLB6

6 NEEDLES + 6 ELECTRODES

- 6 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 6 × RF Electrode — sterile, single-use



18G cannula works with RF electrodes inside it

Info.

Gauge	18G	Cable (white)	Available
Length	50/100/140 mm	Insulation coating	Available
Bare active tip	5 mm	Tube	Available

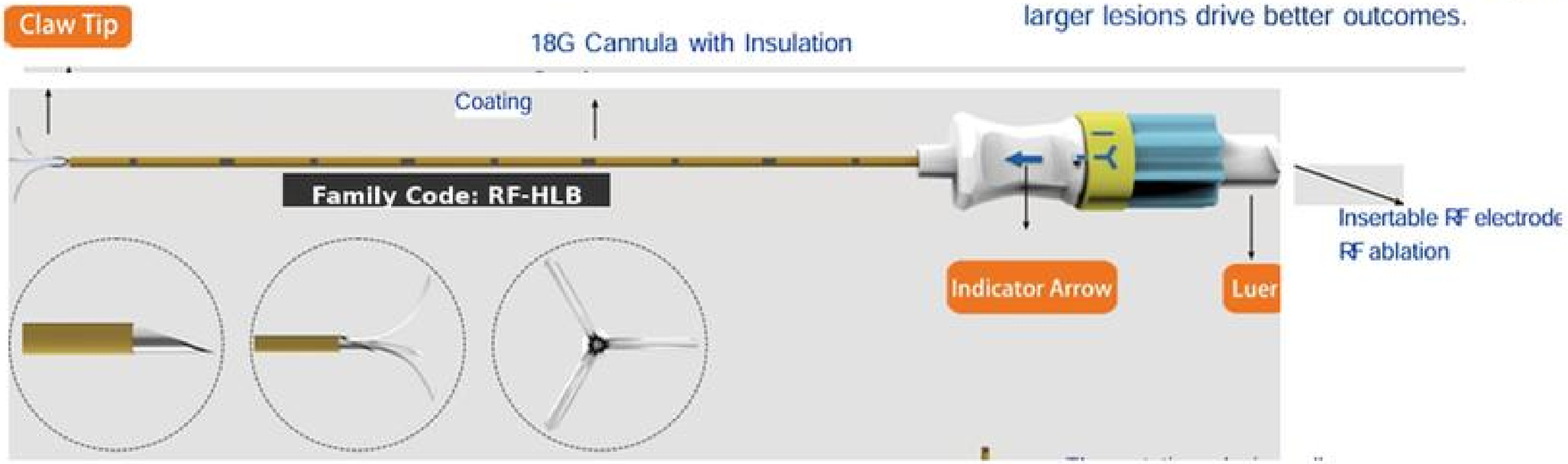
Each kit contains matched sterile single-use sets (EO sterilized). The rotating hub design allows the claws to open and retract freely.

RF Cannu\a Series

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Radio Frenquency Cannula - Claw Type

Designed to be used for large lesion, the cannula has built-in retractable claws, after locating the target nerve, can be extended by rotating the hub to increase the ablation range, clinic research report larger lesions drive better outcomes.



KIT CONFIGURATION — Claw Type RF Cannula & RF Electrode Kits (Large Kits) **Family Code: RF-HLB**

RF-HLB8

8 NEEDLES + 8 ELECTRODES

- 8 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 8 × RF Electrode — sterile, single-use

RF-HLB10

10 NEEDLES + 10 ELECTRODES

- 10 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 10 × RF Electrode — sterile, single-use

RF-HLB12

12 NEEDLES + 12 ELECTRODES

- 12 × Claw Type RF Cannula — 18G, 50/100/140 mm, bare tip 5 mm
- 12 × RF Electrode — sterile, single-use



18G cannula works with RF electrodes inside it

Info.

Gauge	18G	Cable (white)	Available
Length	50/100/140 mm	Insulation coating	Available
Bare active tip	5 mm	Tube	Available

Each kit contains matched sterile single-use sets (EO sterilized). The rotating hub design allows the claws to open and retract freely.

RF Cannu\a Series

Radio Frenquency Cannula - Stright Type



The RF puncture needle establishes a working channel for the RF electrodes and can be used under X-ray or ultrasound guidance

Radio Frenquency Cannula - Curved Type



The RF puncture needle establishes a working channel for the RF elec-trodes and can bed guidance

Info.

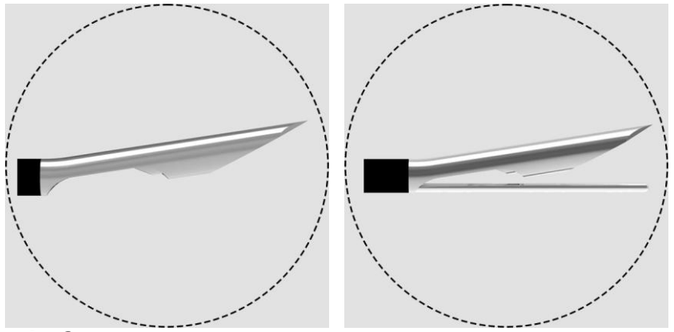
Gauge	16G/18G/20G/22G
Length	50/100/140mm
Echogenic Tip	Yes
Active tip length	5/10/15 mm
Insulation Coating	Yes
Stylet	Yes

3.3





The Cannula with hodles is designed to allow electrodes to Pierce through the hole, causing a wider lesion on the target nerve and tissue, clinic research report larger lesions drive better outcomes.



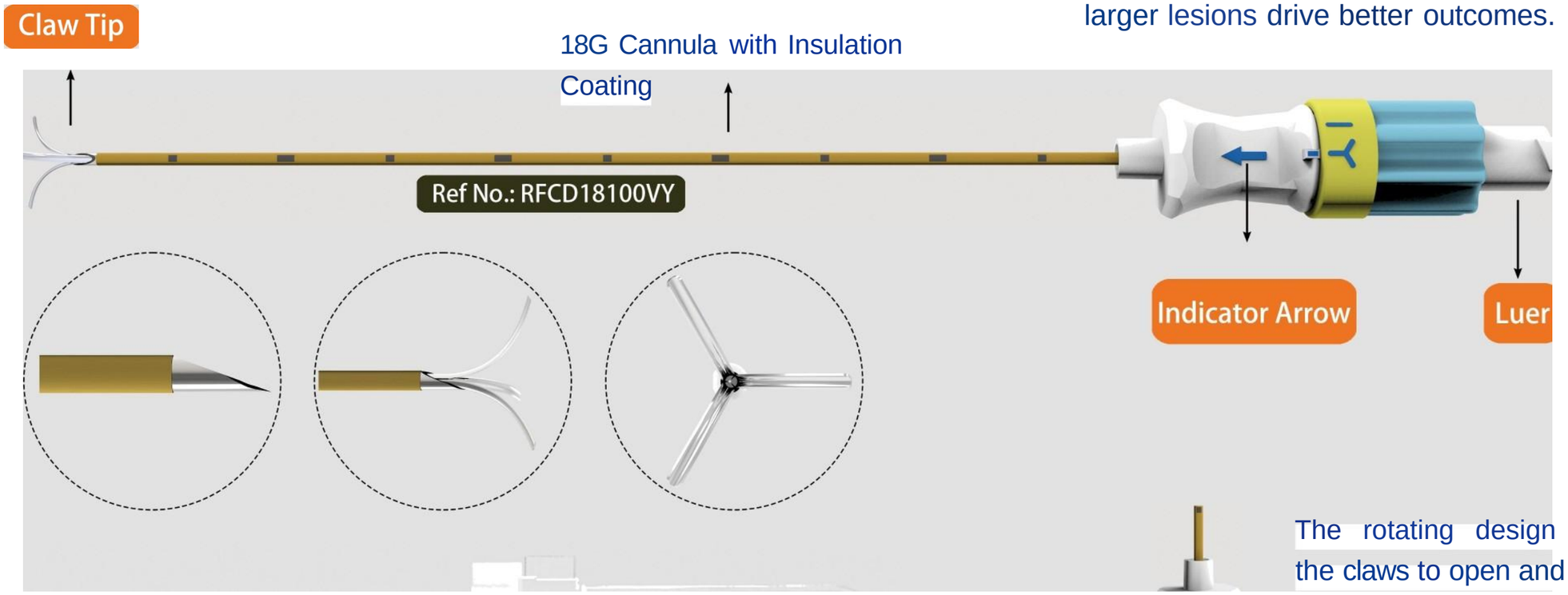
Info.

Gauge	18G/20G
Length	100/140mm
Tip Length	10mm
Electrodes Disposable	Yes
Electrodes Reusable	Yes
Insulation Coating	Yes

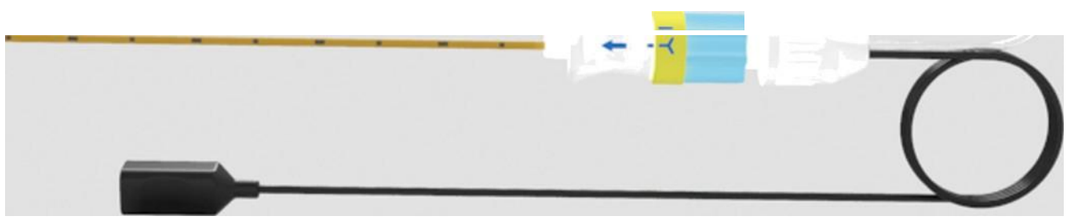
RF Cannu\a Series

Radio Frenquency Cannula - Claw Type

Designed to be used for large lesion, the cannula has built-in retractable claws, after locating the target nerve, can be extended by rotating the hub to increase the ablation range, clinic research report larger lesions drive better outcomes.



18G Cannula work with electrodes inside it



Ref No.: RFCD18100VY t

Ref No.: RFEE18100VY



The rotating design allows the claws to open and retract freely.

Info.

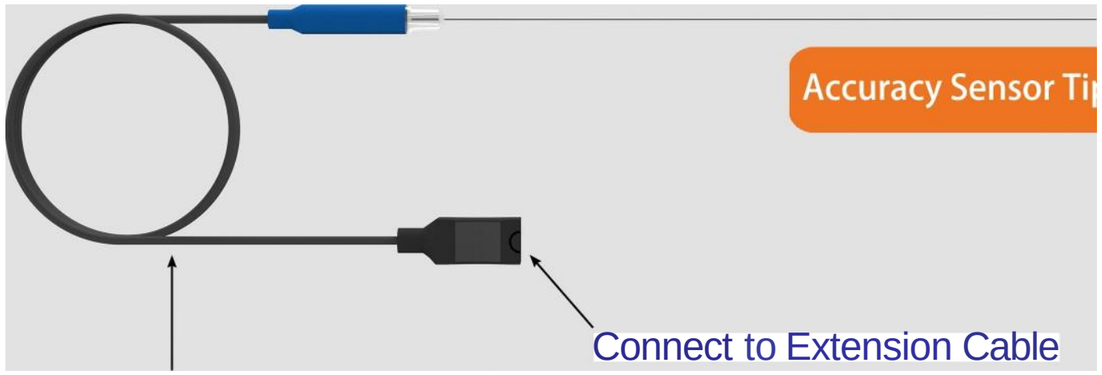
Gauge	18G
Length	50/100/140mm
Bare active tip	Smm
Cable(white)	Available
Insulation Coating	Available
Tube	Available

RF Electrodes Probe

4.1 Disposable Electrode

Three lengths opinion can be selected, matching RF cannula
50mm, 100mm, 140mm

,Ref No.: RFEA036J CCS,



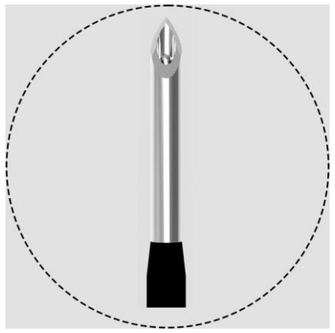
Disposable Electrode Cable
OD:1.4mm Length 90mm
For one time use

(See Page 19-20 5.1-5.8)

Info.

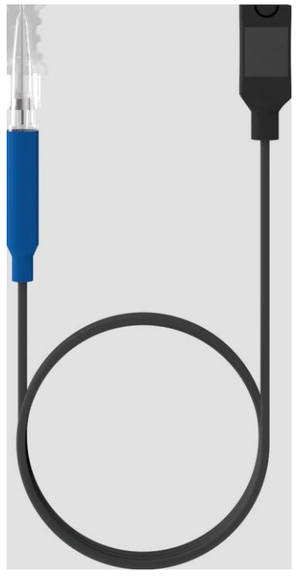
Cannula:	Stainless steel
Cannula Length:	50/100/140mm
OD:	0.36mm
Cable OD	1.4mm
Cable length	900mm
Connetor	For Extention Cable

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Match most of the RF cannula on the market, for accurate temperature control, it is recommended to use our brand of RF cannula



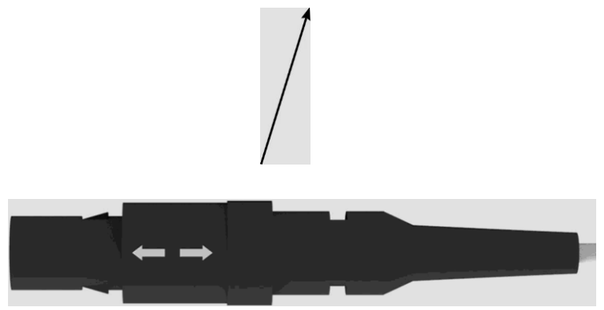


Disposable electrodes can be used in a wide range of scenarios, and can be used with RF needles and Generator to locate and destroy the target nerve

RF Electrodes Probe

4.2 Reusable Electrode

The plug can be connected directly to the Generator Different brands of plugs are available check

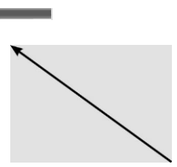


3 meters Length reusable Medical Cable for repeated sterilization



Round tip Sensor

Longer service life and more precise temperature control



Ref No.: RFEB042100SC„





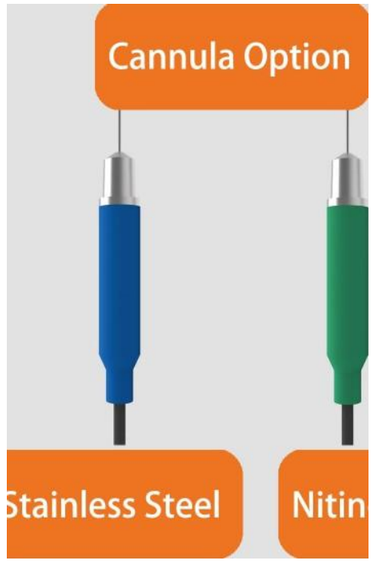
Info.

Cannula:	Stainless steel
Cannula :	Nitinol option
OD:	0.42mm
Cable OD	2.6mm
Cable length	3m
Plug	Directly connect Generator



Metal Hub

Metal hub can support repeated sterilization



RF Electrodes Probe

Combination RF Electrode Needle



The combined radiofrequency electrode needle is composed of RF cannula with built-in electrode, Medication tube with injection port suitable for carrying out process of temperature-controlled RF. The active tip of the cannula processed by special technology, which can carry out precise positioning puncture under the guidance of ultrasound to improve the effect and success rate of clinic use

Info.

Cannula:	Stainless steel
Cannula :	Nitinol option
OD:	0.42mm
Cable OD	2.6mm
Cable length	3m
Plug	For Generator

RF Electrodes Probe

Stereotactic Electrode Disposable



Designed to be used for radiofrequency procedures in the treatment of movement disorders.

Temperature sensor embedded at the rounded ended tip

Stimulation and lesioning capabilities

Info.

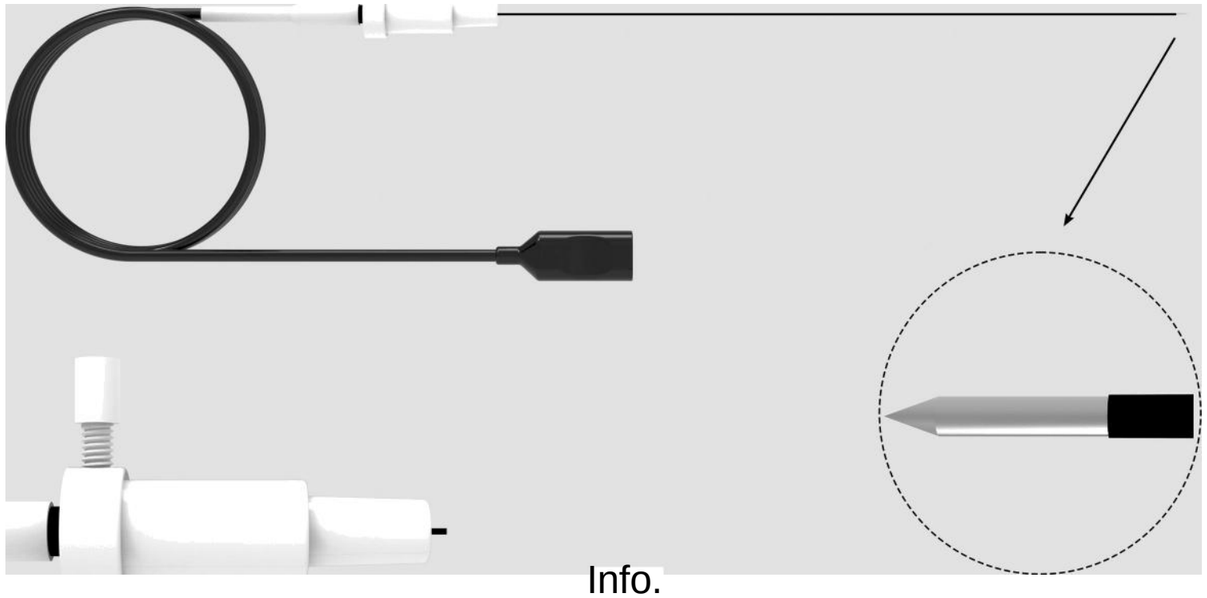
Length:	250mm
OD:	1. mm/1.6mm
Tip Type	Round Ball Tip
Tip Length	2mm/4mm/10mm
Cable length	2. m
Conector	Adpater Extension Cabale

The literature shows that Stereotactic Radiofrequency Thermocoagulation (SRT) has been used to treat patients with various diseases, such as intractable pain, movement disorders, refractory epilepsy, and metastatic brain tumors

1.5 Disposable Cordotomy Electrode Kit

Designed to be used for radiofrequency cordotomy in the treatment of palliative cancer pain.

Ref No.: RFED2911704



The device is secured by locking plastic screws to achieve the effective length of the needle tube entering the body

Info.

Length:	11.7cm
OD:	0.321mm
Tip Type	Sharp Tip
Tip Length	2mm/4mm/10mm
Table length	1.2m
Conector	Adpater Extension Cabale

RF Catheter and KIT

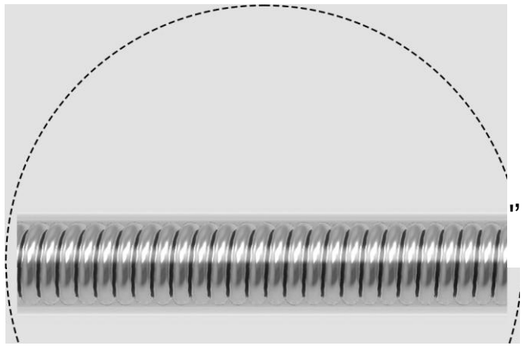
5.0 Radio Frenquency Catheter

Medication Tube

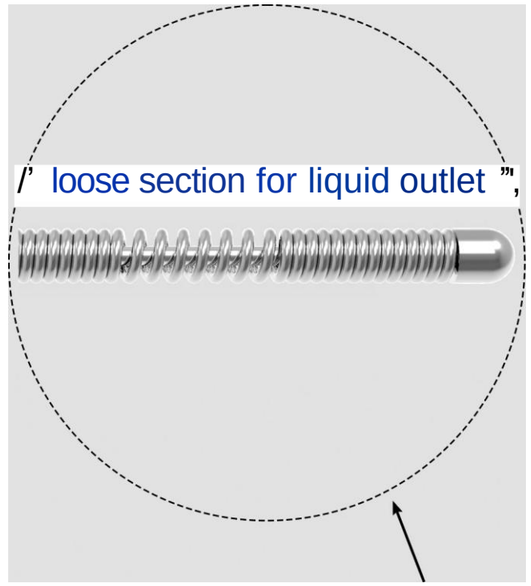
Flexiable Catheter



The design of the spring metal tube makes the whole tube have both hardness and high flexibility, and makes the whole tube very soft under the premise of convenient tube installation



The front end of the catheter is designed with loose section part to ensure the flow rate of the catheter, and it is easy to inject drugs in clinical use



Ref No.:RFEEK18350

The Kits include below components

- RF Catheter
- Epidural needle
- Filter
- // BIunt needle
- Syringe

Info.	
Gauge	1.2mm
Length	350mm
Three Holes Tip	Yes
Active Tip	10mm
Insulation Coating	Yes
Medication Tube	Yes

RF Water Coiling Electrodes

AL AMAL MEDICAL COMPANY

RF Water Colling Electrode - Monopole

Active Tip

Insulation Coating



Ref No.:RFEFAJ 6150„

Monopole needs to be connected to the negative plate



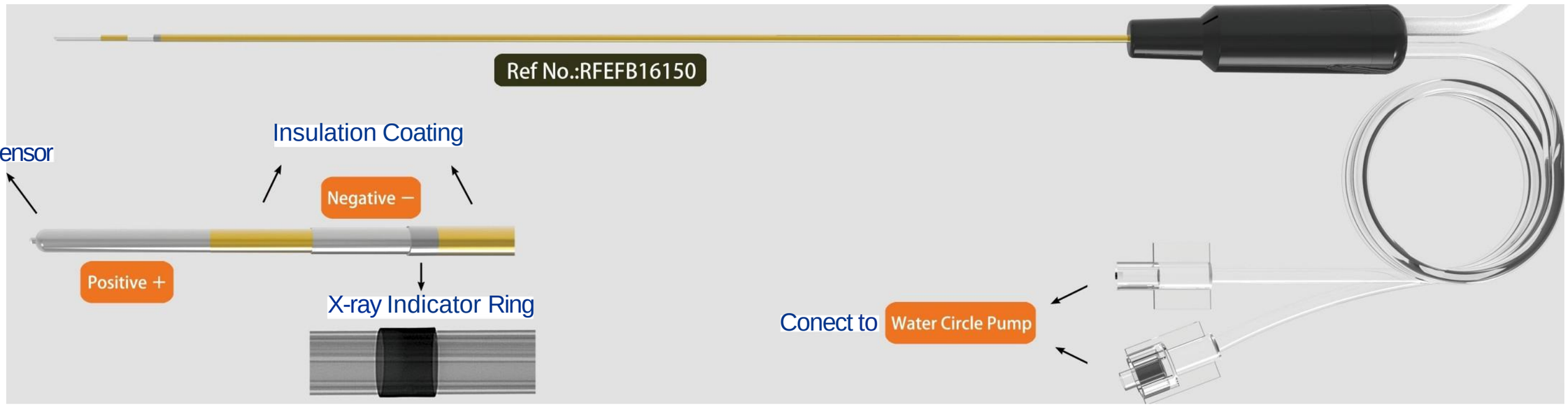
Conect to Generator Side



Info.

Gauge	16G
Length	150mm
Active Tip Monopole	7.7mm
Active Tip Bioplar	7.7mm and 7mm
Water Circle	Yes

6.2 RF Water Colling Electrode - Bioplar



X-ray image

Electrode Adaptor Extension Cable Series

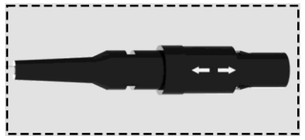
AL AMAL MEDICAL COMPANY

7.0 Convenrt Extension Cable

Customizable Plugs
For different Brands
of Generator

Electrodes Side





Connect with
4.1 Disposable Electrode
4.3 Hybird Electrode

3m Length Cable

Option
5.1-5.8 Generator Plug

7.1 MEDG



Connect to G e n e r a t o r s

7.2 COSMAN



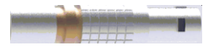
Connect to G e n e r a t o r s

7.3 BAYLIS



Connect to Generator •

7.4 NEUROTHERM



Connect to G e n e r a t o r s

7.5 SKRYKER



Connect to Generator

7.6 SMITH NEPHEW



Connect to Generator

7.7 DIROS



Connect to G e n e r a t o r s

7.8 BNS



Connect to G e n e r a t o r s

Cable Accessories

8.1 Double Electrodes Connection cable Stryker

Generator Side







Electrodes Side

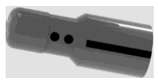
One end of the plug is connected to the machine, and the other end can be connected to two electrodes at the same time

8.2 Double Electrodes Connection cable BNS

Generator Side







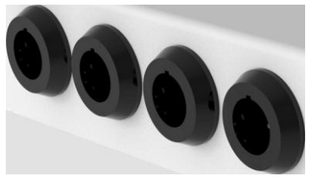
Electrodes Side

One end of the plug is connected to the machine, and the other end can be connected to two electrodes at the same time

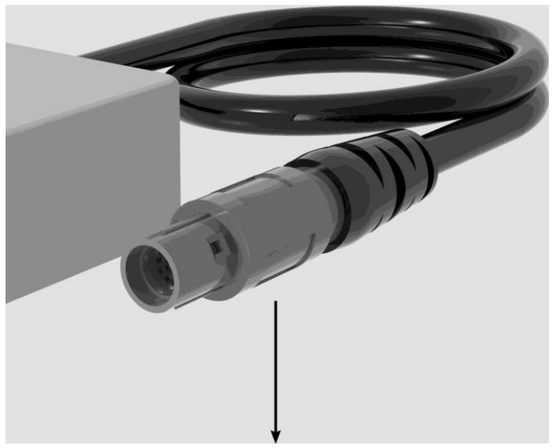
3.3 Four Electrodes Connection Box Baylis

For Baylis use Only

Ref No.: RFEXCB



Four Channel



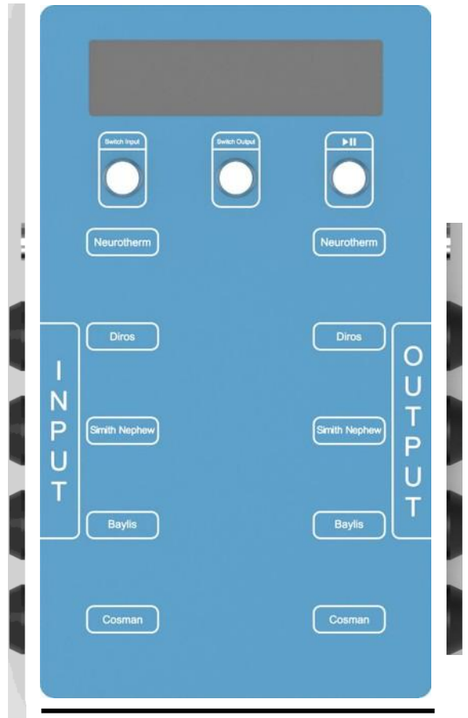
Directly Connect to Baylis Generator

Info.

Specification	RFCON01
Size	112 x 192 X 36mm
Power	Standard Charger
Switch	Button

Multi-brand Combination Converter Box

Input side connect with different brand of electrodes, can be inserted directly with the electrodes



Output side connect with different brand of Generator, Provide different brand size cable.

Info.

Specification	RFCON01
Size	112 x 192 X 36mm
Power	Standard Charger
Switch	Button
Input	5 brands choose
Output	5 brands choose
Customize	Yes

Re No : RFCONVERTOR

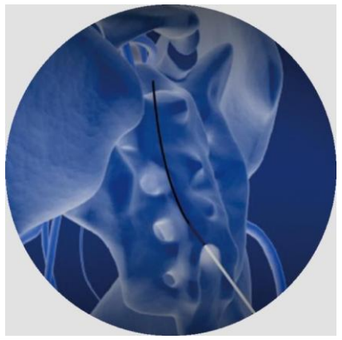
Designed to be used for Conversion between various brands of electrodes and various brands of Generator

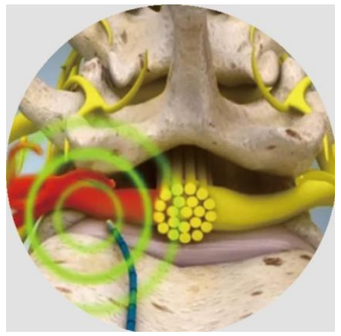
Epidura\ Neurolysis Kit

11 Epidural Neurolysis Kit

Ref No.:PCKA085350

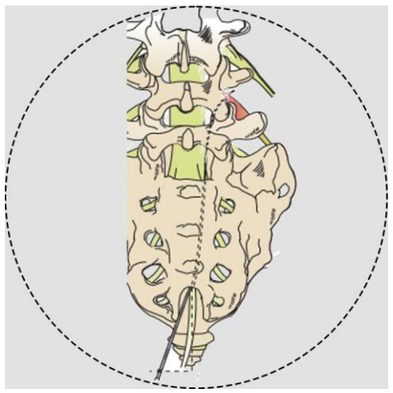
Insert the Epidural needle into the sacrum, place it in a spring catheter, guide it to the target position, inject medication, and connect it to a stimulator for treatment







The procedure relieves back pain by specifically targeting the cervical, thoracic, lumbar, or coccygeal regions of the spine. It is ideal for patients with severe scarring around spinal nerves (usually caused by surgery).





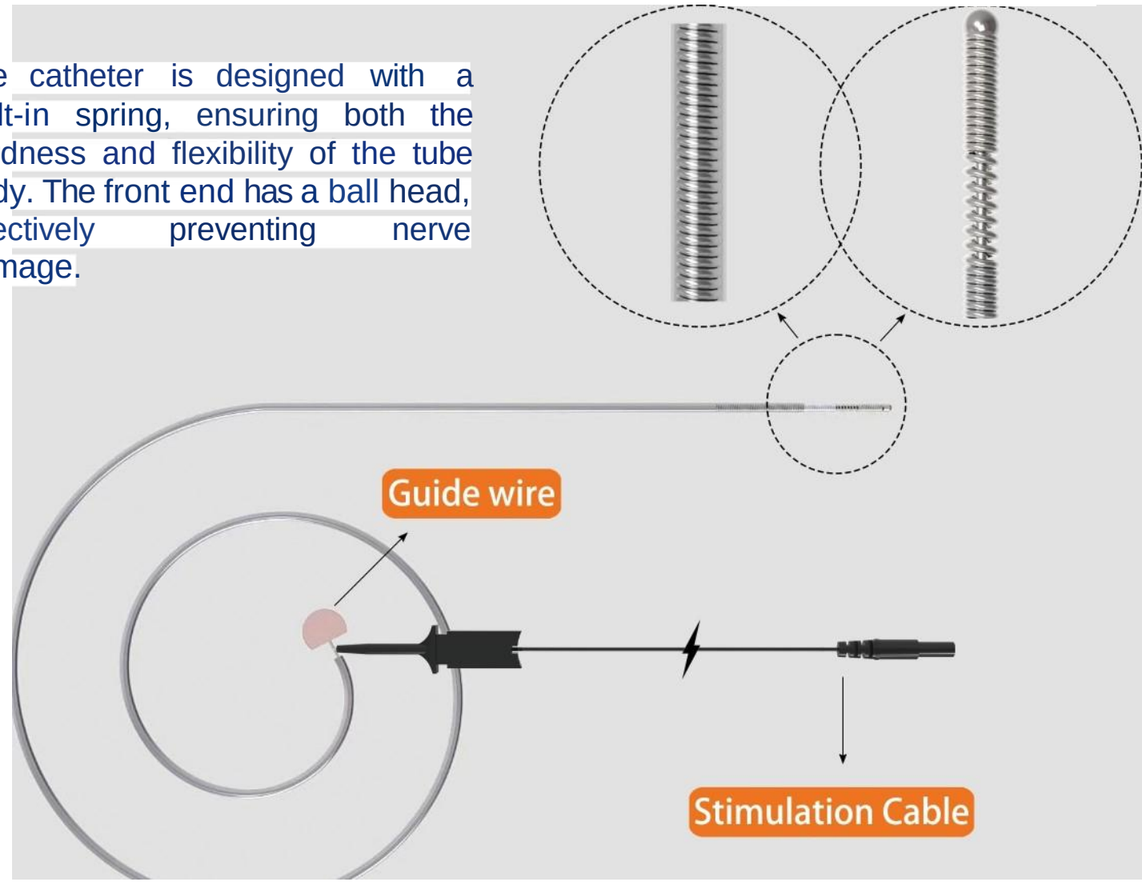
Catheter Connector

Info.

Epidural needle	15G/18G
Epidural needle Length	80mm
Catheter Length	350/600mm
Catheter OD	0.85mm/1.2mm
Stimulation	Yes
Ball tip	Yes

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The catheter is designed with a built-in spring, ensuring both the hardness and flexibility of the tube body. The front end has a ball head, effectively preventing nerve damage.



The Kits include below components

- @ Epidural Catheter
- @ Epidural needle
- @ Filter
- @ Catheter connector
- @ LOR Syringe
- @ Stimulation Cable
- @ Guide wire

Hyaluronidase, local anesthetics (for pain relieg, steroids (to reduce inflammation), and hypertonic saline may be injected into the adhesion site through a catheterj electrical nerve stimulation may also be used to help patients relieve chronic back pain.

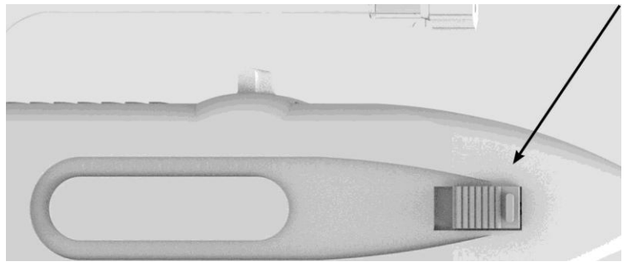
Navigation Epidurai Catheter

NAVI Catheter - Stright Type

Medication Tube

Lock

Working Channel A

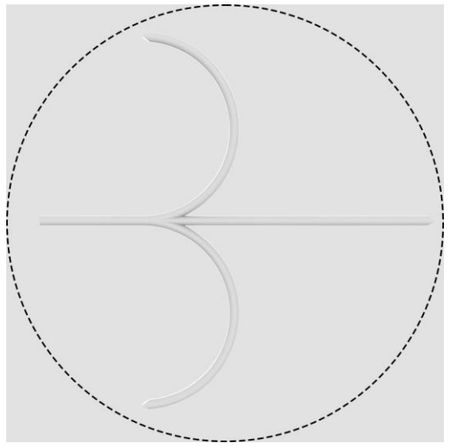


Working Channel B

Medication Tube

Controller Handle

Percutaneous Epidurai Neuroplasty





Ref No.: PNAK295300*

Flectional Tip

INDICATION

Intractable backache and sciatÎC neuralgia

Chronic spine pain: spinal stenosis

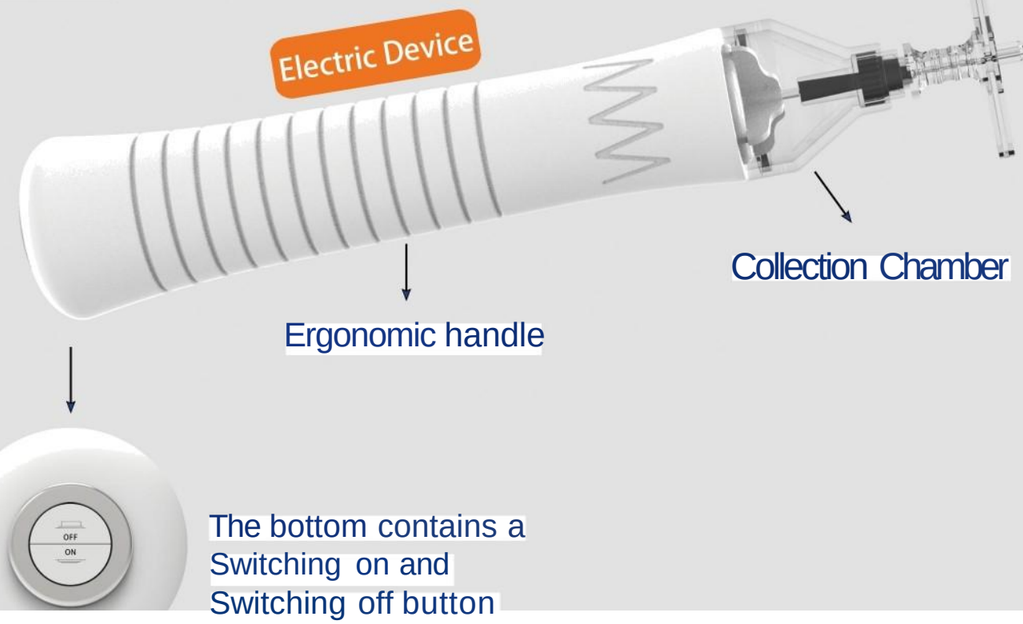
Info.

Catheter OD (Lumbar)	2.95mm
Catheter OD (Cervical)	2.05mm
Length	300mm
Tip	Flectional
Medication Channel	Yes
Working Channel	Yes

Discectomy

11 Electric rotary needle for Discectomy

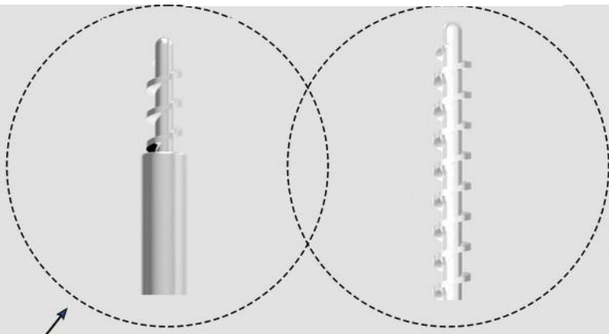
Electric rotary needle is a single use disposable Lumbar discectomy device intended for use in aspiration of disc material during percutaneous lumbar discectomy



The bottom contains a Switching on and Switching off button

Rotating propeller design allows'forthe suction of tissue within the nucleus pulposus

By twisting the electrical spiral to aspiration of disc into the chamber, up to 2cc of disc material collected, available for the thoracolumbar and cervical spine.







Reduction in the production of perineural scarring and postoperative

Eeduction in permanent structural aterations

Decrease in complication and morbidity rates

Decrease in postoperative spinal instability

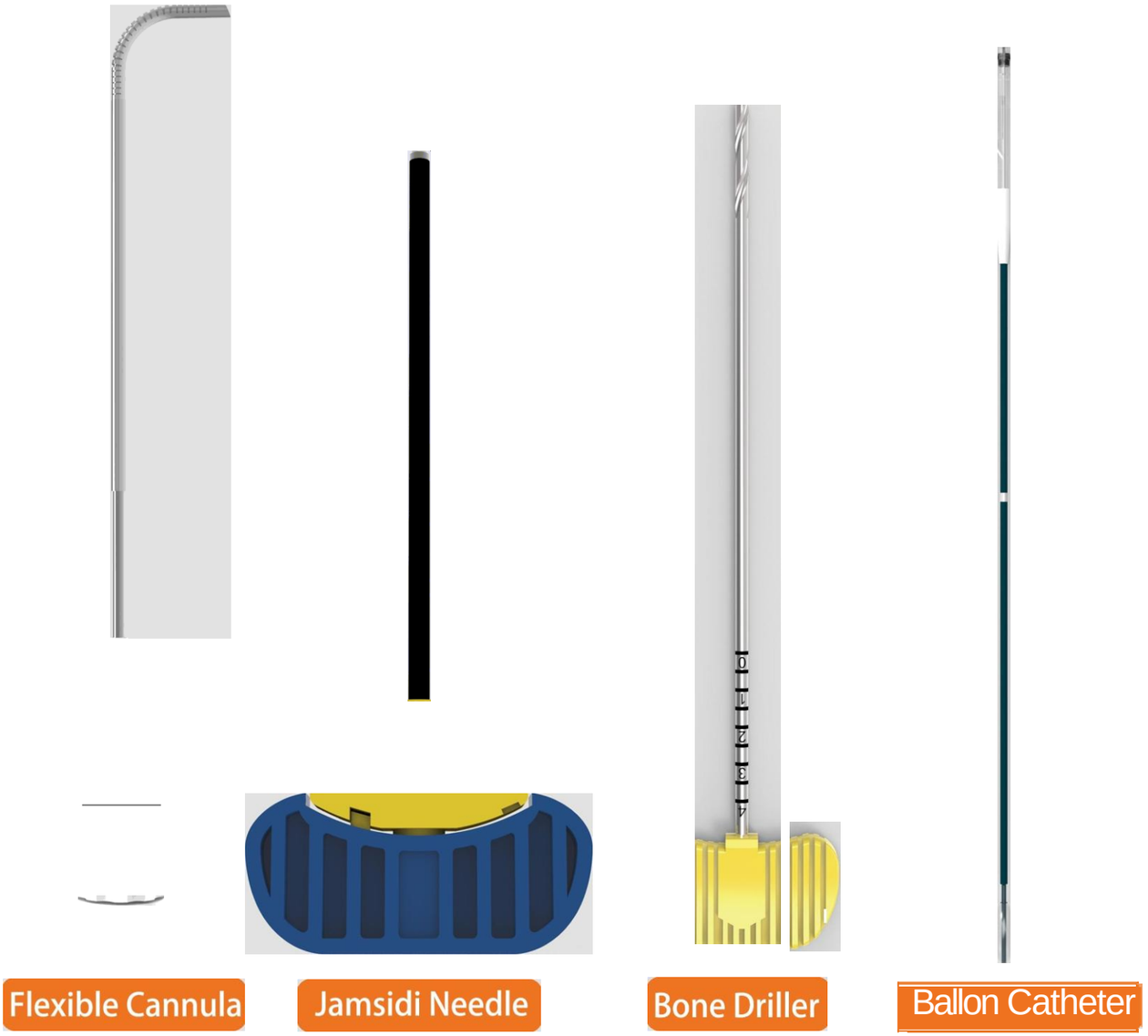
Info.

Gauge	19G/17G
Length	8cm/16cm
Cannula OD	1.58mm For Lumbar
Cannula OD	1.20mm For Cervical
Cannula Length	150mm
Tube	30cm

Vertebral P\asty and Kyphopiasty

Vertebral Plasty and Kyphoplasty Ablation Kit

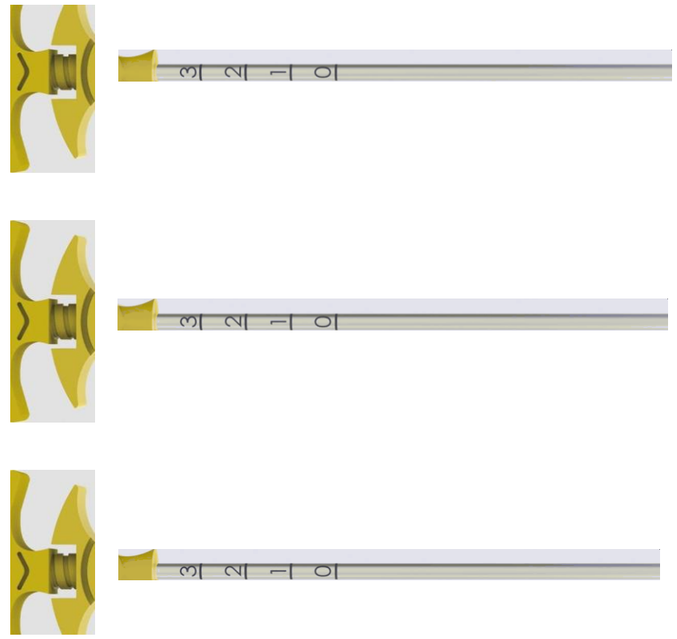
Ref No.:RFEEK18350 I



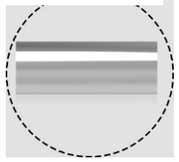
Flexible Cannula | Jamsidi Needle | Bone Driller | Ballon Catheter

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Bone Cement Pusher



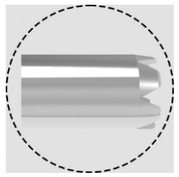
Flat mouth



Side hole



Biopsy



Solutions for pain caused by vertebral compression fractures

- Adjustable bending guide tip
- Transport bone cement at designated locations to ensure even distribution.
- Unilateral puncture achieves bilateral puncture effect
- « In addition to reducing pain related to fractures, it can also partially or completely restore the height of compressed vertebral bodies, reduce local excessive curvature of the spine, and lower the risk of fractures in adjacent vertebral bodies due to abnormal weight-bearing.

The Kits include **below** components

jQ Flexible Cannula
@ Jamsidi Needle
& Bone Drill er
Ballon Catheter
Bone cement pusher A
Bone cement pusher B
Bone cement pusher C

RF GENERATOR

13 RF Generator

Ref No.: RFG01,,

Touch Screen



Four work channel

The RF Generator is designed to give consistent, reliable results with a wide range of features in an easy-to-use interface.

Thermal RF Mode

The RFG01 generator has four channels, can use four electrode Probes at the same time, and supports bipolar operation

Plused RF Mode

Three major function of Thermal RF mode, Plused RF mode, Simulatino mode

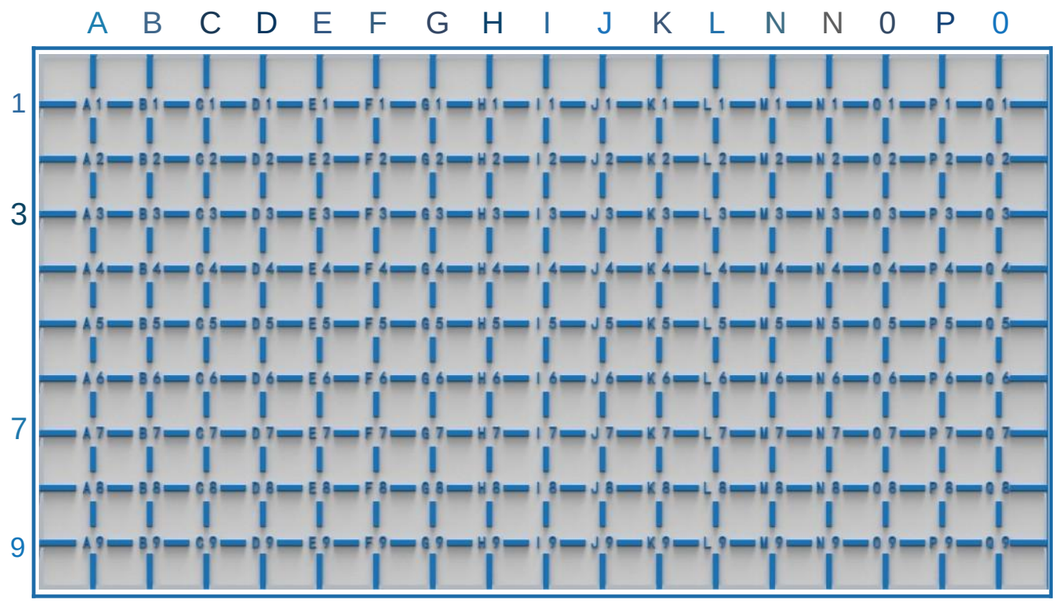
Stimulation Mode

Info.

Specification	RFG01
Size	260 x 330 x 290mm
Stimulation	Available
Thermal RF	Available
Pulse RF	Available
Bipolar	Available
Temperature Monitor	Yes
Screen	Touch control LCD
Voltage	110v/220v

X-ray Localization Sticker

X-ray Localization Skicker - Type A



Ref No.: XLS001

Pre-operative localization and labeling under the guidance of computed tomography, such as anesthesia puncture, biopsy puncture, pain treatment, minimally invasive, orthopedic surgery, lumbar disc interventional therapy, interventional surgery, etc.

Info.

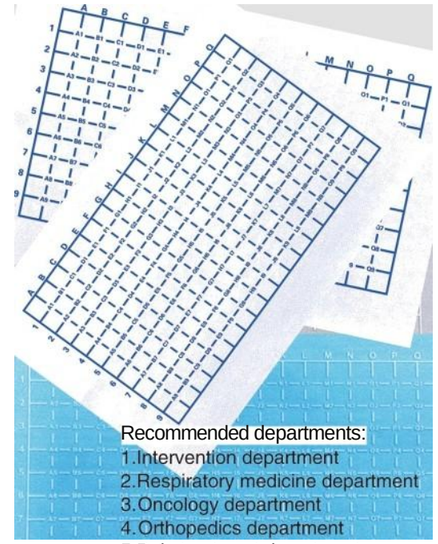
Size	12 X 20cm
3D alphabet height	1mm
Radiopaque	Yes
Sticker	Yes

Adhesive Radiopaque Grid

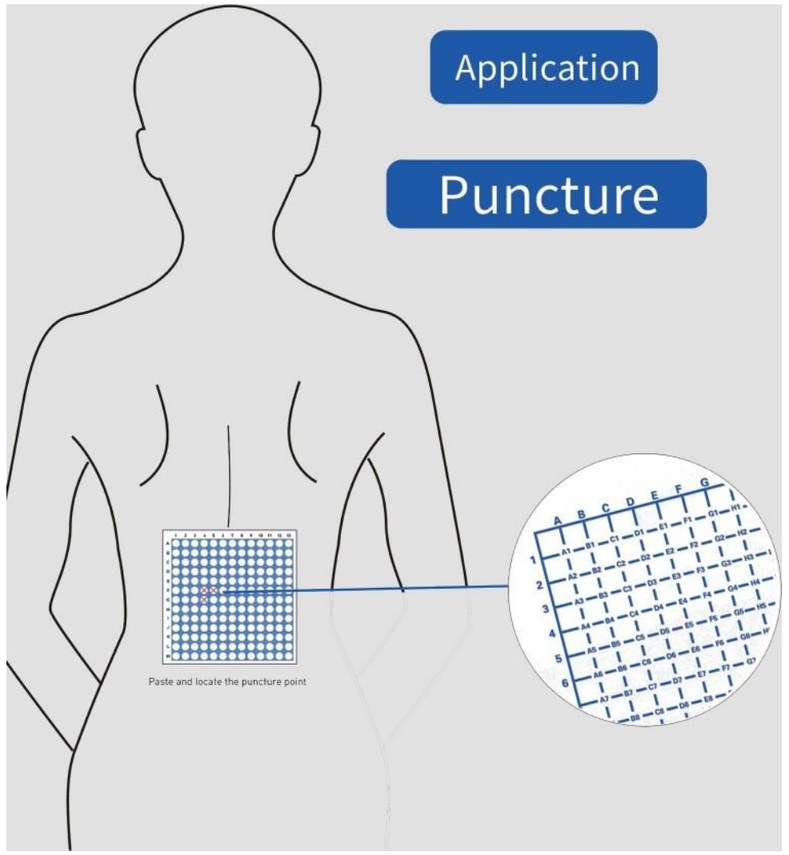
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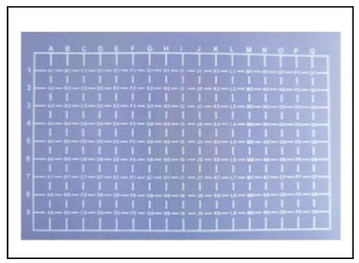
The Radiopaque localizer grid tape does not contain metal, which is safe and environmentally friendly, non—toxic and harmless, and can be detectable under X—ray or CT. It is mainly used for the post—surgery positioning and marking under the guidance of computed tomography, such as anesthesia puncture, biopsy puncture, pain treatment, minimally invasive, orthopedic surgerylumbar disc interventional treatment, interventional surgery, etc. It can make the surgery faster, more convenient and accurate, and greatly reduce the risk and error of the operation.

Compared with the traditional manual positioning method, the Radiopaque localizer grid tape can be detectable by coordinates, which more intuitively and clearly reflects the slice position in the patient's body, so as to accurately obtain the spatial position of the lesion, increase planning efficiency and reduce radiation exposure.



Recommended departments:
1.Intervention department
2.Respiratory medicine department
3.Oncology department
4.Orthopedics department
5.Pain treatment department





Effect display under X-ray



Effect display under X-ray

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Al Amal Medical Company for Medical Equipment and Repairing

Tel / WhatsApp: +971585202550

Email: info@alamamed.com