

MEDIC
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I/R MEDIC

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BENEFITS

- I/R MEDIC, is a service and backup equipment in many specialties.

Frequent Applications

PROCTOLOGY

- ▶ For the treatment of hemorrhoids (1^o and 2^o degree), especially bleeding.

GYNECOLOGY

- ▶ Condyloma Acuminata ,etc.

OTOLARYNGOLOGY

- ▶ Chronic Rhinitis.

DERMATOLOGY

- ▶ Tattoo removal, warts, etc.

SURGERY

- ▶ Hemostasis in General Surgery.
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I/R Medic description

The I/R Medic is a photocoagulation equipment by infrared rays, which is compound by two parts, the driver or power and control source and the applicator (hand piece, infrared lamp and quartz rod with PTFE tip for contact).

The whole system can be put in a comfortable transportation briefcase from which the IR can be used without having to take it out of the case.

The driver contains the power source, the time regulator (electronic timer), indicatory lights, safety connector for the hand piece. The infrared light ray shot time regulation is made from the timer located on the driver's front.

The hand piece is anatomically designed for comfort in use and it allows a clear vision of the contact zone, it has the shot button on the handle and it only completes the application time if pressed continuously (which will stop when selected on the timer) and lets the professional control the shot manually if necessary.

The application time is porportional to the coagulation penetration, being able to vary from 0.1 mm to 2.4 mm approximately.

The coagulation diameter will be determined by the application tip used from 3mm to 5mm.

The quartz rods have shapes and dimensions according to the type of application needed.

The temperature that the infrared light reaches in the application zone is 100°C, enough to coagulate without producing any damages (necrosis) or smoke smell. The application trace falls off in only one week leaving the zone restored. The PTFE avoids sticking to the skin.

Being coagulation by light, it has no danger of electrical shock or ground connection to the patient.

The IR treatment does not require any special preparation of the patient and it's tottally portable, it can be used wherever it is.

In a few minutes of resting after the application, the patient can continue with his/her activities.

Getting Started

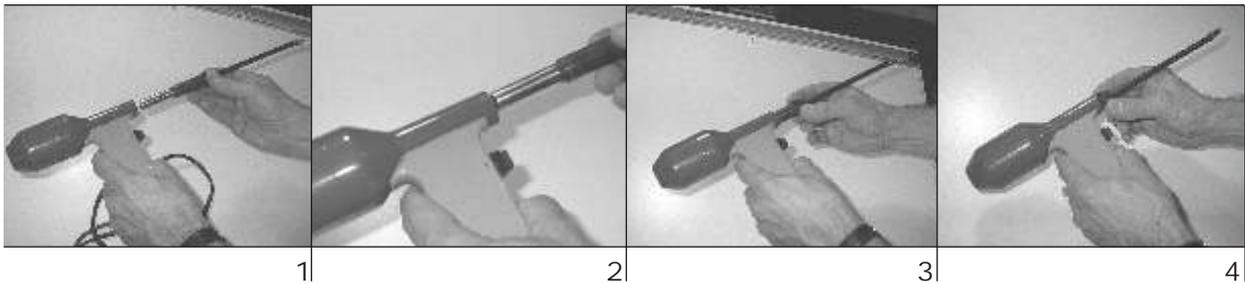
Take the hand piece and the quartz rod out of the case, fit the rod holder in the hand piece's rim until the threads are facing, twist gently winding the rod holder until it reaches the safety o-ring. After placing the tip on the edge of the thread, wind it until it reaches the safety o-ring. Place the whole piece by the handle on the driver's bracket.

Plug the hand piece to the driver connector and wind the outside part of the connector.

Plug the power source wire, a red light will be on, after that press the front switch and the green light will be turned on which will indicate that it is ready to be used.

Select the shot time (dependnig on the kind of application) and it will be ready for the job.

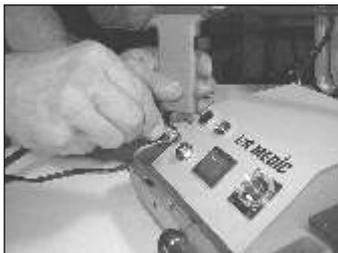
Rod to pistol



Contact tip to rod



Applicator connection to source



Equipment with cannula on holder



Recommendations

Wait 5 seconds minimum between shots; because of being a compact system the lamp has no cooling and it represents an overheating risk damaging the hand piece or the lamp.

Do not shoot "into the air" because the contact tip will suffer the power shock and it will be damaged.

The contact tip must be sterilized after use, and during the application clean it if necessary.

Never open the bulbholder when its hot because it may cause burn damages by touching it, neither touch its reflector because the skin's acidity will affect the gold cover, causing the loss of power generating infrared light.

Technical Features

DRIVER

Power supply:

220V Model - ca 50/60 Hz
110V Model - ca 50/60Hz
220/110V Model - ca 50/60Hz
(with manual selection switch)

Maximum power:

150VA

Transformer:

220 V in 15 V out 150VA

Line protection fuse:

2 Amp.

Connector:

triple thread plug for power and control
neon

Indicator lights:

with ground connection included.

Connection:

Electronic reg. from 0 to 3 seconds

Timer:

Cannula holder.

Support piece:

HAND PIECE

Bulbholder:

Low tension

Lamp:

15 V 150W Infrared

Button:

shot and safety

Rod holder:

detachable quartz

Contact tip:

detachable PTFE

Complete weight in its case:

3kg (6.60 pounds)

PROVIDED KIT

Driver

Hand applicator (with a 15 V 150W infrared lamp)

Curved light guide 8mm (0.3152 inch) 290mm (11.42 inch)

3 PTFE contact tips

Transportation case

Optional

Curved light guide 3mm (0.1182 inch), length 80mm (3.152 inch)

Straight light guide 6mm (0.2364 inch), length 110mm (4.334 inch)

WARRANTY

One year, provided by Medic electrónica starting the date of purchase, according to the following terms:

All repairs and changes by the failure of the parts and materials will be made. The warranty does not apply to damages produced by wrong use of the equipment. If the equipment is open or repaired by people outside the Medic electrónica, the warranty does not apply.

The equipment

