

AMICA - GEN Programmable RF & MW energy generators

CODE DESCRIPTION

AGNH - 1.0 Programmable RF generator (450kHz/220W) and solid state MW generator (2450MHz/140W), with built-in peristaltic pump.

AMICA - PROBE Disposable microwave ablation probes

CODE DESCRIPTION

APK1150T19V4	11G x 150 mm interstitial probe
APK14150T19V4	14G x 150 mm interstitial probe
APK14200T19V4	14G x 200 mm interstitial probe
APK14270T19V4	14G x 270 mm interstitial probe
APK16150T19V4	16G x 150 mm interstitial probe
APK16200T19V4	16G x 200 mm interstitial probe
APK16270T19V4	16G x 270 mm interstitial probe
APKFLEX-2.5-1800V2	2.5mm x 1800mm flexible probe

RF AMICA - PROBE Disposable RF ablation electrode

CODE DESCRIPTION

RAF17100E20V1	17G x 100 mm interstitial probe,20mm exposed tip
RAF17100E30V1	17G x 100 mm interstitial probe,30mm exposed tip
RAF17150E05V1	17G x 150 mm interstitial probe,5mm exposed tip
RAF17150E07V1	17G x 150 mm interstitial probe,7mm exposed tip
RAF17150E10V1	17G x 150 mm interstitial probe,10mm exposed tip
RAF17150E20V1	17G x 150 mm interstitial probe,20mm exposed tip
RAF17150E25V1	17G x 150 mm interstitial probe,25mm exposed tip
RAF17150E30V1	17G x 150 mm interstitial probe,30mm exposed tip
RAF17150E35V1	17G x 150 mm interstitial probe,35mm exposed tip
RAF17200E20V1	17G x 200 mm interstitial probe,20mm exposed tip
RAF17200E25V1	17G x 200 mm interstitial probe,25mm exposed tip
RAF17200E30V1	17G x 200 mm interstitial probe,30mm exposed tip
RAF17200E35V1	17G x 200 mm interstitial probe,35mm exposed tip
RAF17250E30V1	17G x 250 mm interstitial probe,30mm exposed tip
RAF17270E20V1	17G x 270 mm interstitial probe,20mm exposed tip
RAF17270E25V1	17G x 270 mm interstitial probe,25mm exposed tip
RAF17270E30V1	17G x 270 mm interstitial probe,30mm exposed tip
RAF17270E35V1	17G x 270 mm interstitial probe,35mm exposed tip

- Treatment of bone metastases with microwave thermal ablation Regional Referral Center for Oncologic Diseases, Cagiltir 09100 July 2013
- Local tumor progression of hepatocellular carcinoma after microwave spot-cooled ablation. A Preliminary Report, Turk. J. Oncol. 2012
- In vivo Evaluation of Lung Microwave Ablation in a Ratine Tumor Model Model 2012
- In vivo evaluation of lung microwave ablation in a porcine tumor model. Accepted for presentation at WCO 2011 New York, June 9th-13th 2011
- Complications of Microwave Ablation for Liver Tumors: Results of a Multicenter Study 2011
- Microwave Thermal Ablation for Hepatocarcinoma: 20 Live Transplantation Cases Hepatobiliary Surgery and Liver Transplant Unit, Azienda Universita di Padova 2011
- A minimally invasive antenna for microwave ablation: Therapeutic Design, Performance and Experimental Assessment University of Rome, 2010
- In vivo microwave - induced porcine kidney thrombolysis: Results and perspectives from a Pilot Study of a new probe - University of Turin, Turin - Italy 2009
- Transperitoneal microwave thrombolysis in patients with obstructive benign prostatic hyperplasia: A phase I clinical study with a new mini-cooled microwave applicator - 2008

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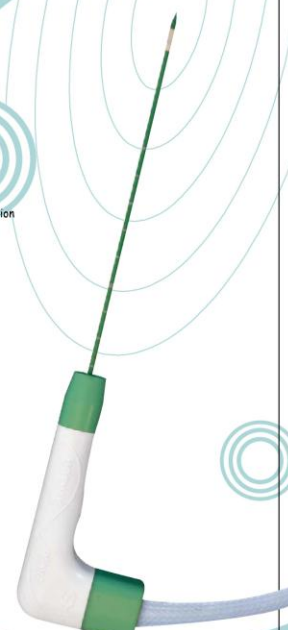
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AMICA

Microwave and Radio Frequency Ablation Dual System

THE NEW GENERATION OF INTERSTITIAL MICROWAVE PROBES FOR TISSUE THERMOABLATION



AMICA Gen

AMICA PROBE Rf

AMICA PROBE Mw

Dual System of Tumor Ablation "Radiofrequency Ablation, Microwave Ablation"

This is a method that allows to be treated by incineration using tomography and ultrasound with imaging-guided, at especially liver, lung, bone and kidney tumors. When the surgical treatment is not possible, it provides the ability to treat without side effects caused by other treatment options.

The system is composed three main elements:

1. Amica Dual System Generator
2. Amica Radiofrequency Tumor Ablation Probe
3. Amica Microwave Tumor Ablation Probe

1. AMICA Dual System Generator



The most important feature of the system is; Microwave and radiofrequency energy is composed on a single device. With this feature it is a single dual-ablation device in the world.

TECHNICAL SPECIFICATIONS OF DEVICE

- Microwave ablation up to 140W, at 2450 MHz speed.
- Radiofrequency ablation up to 450 kHz, 200W speed.
- The device provides user convenience with the touch screen and convenient menu options.
- Automatically identifies the type of energy for corresponding to the type of probe.
- Both in the type of ablation, Probes have internal cooling system and automatic peristaltic pump for probe cooling integrated in the generator.
- Amica generator is the only device that offers "Track Ablation" menu option.

2. AMICA Radio Frequency Ablation Probe



The product, on the basis of radiofrequency ablation, is used for the treatment of primary and secondary liver, lung, bone and kidney tumors and provides a range of interstitial tumor ablation in these areas.

Probes, as used in open surgery, can be used percutaneous and laparoscopic applications. Probe have the cooling system and it can make in a fluid stream passing. In this way high temperatures can be controlled and may be avoided consisting of necrosis. Continuous monitoring of the temperature of the tissue impedance and transmitted power are another advantage of the system.

To avoid damage to surrounding tissue, ablation, interstitial thermocouples available for temperature monitoring within or around the lesion.

Product, as it is applied to the patient under general anesthesia, it can be applied local anesthesia and minimally invasive.

RF AMICA PROBE Dimensions of The Tumor Ablation Amica Radio Frequency Probe!

THICKNESS (Gauge)	17 G				
LENGTH (mm)	100 MM	150 MM	200 MM	250 MM	270 MM
ABLATION TYPE	20 - 30 mm	20-30-35 mm	20-25-30-35 mm	30 mm	20-25-30-35 mm

RF AMICA PROBE Coagulative Performans on Ex Vivo Bovine Liver

Ablation size (Length x Diameter)	Exposed Tip Length		
	10 MM	20 MM	30 MM
Automatic energy delivery mode, 200W max. 10 min	13 x 11 MM	30 x 22 MM	41 x 33 MM

3. AMICA Microwave Tumor Ablation Probe



The product, on the basis of microwave ablation, is used for the treatment of primary and secondary liver, lung, bone and kidney tumors and provides a range of interstitial tumor ablation in these areas.

Provides quick ablation in a short time. The most important feature with the help of high microwave, it can be treated larger than 3cm in under 5 minutes.

Patented Mini choke technology for reflected microwaves entrapment and prevents energy loss in the desired area to be ablated and provides the benefits of a semi-spherical ablation.

Probes, as used in open surgery, can be used percutaneous and laparoscopic applications. Probe have the cooling system and it can make in a fluid stream passing. In this way high temperatures can be controlled and may be avoided consisting of necrosis.

Continuous monitoring of the temperature of the tissue impedance and transmitted power are another advantage of the system.

Product, as it is applied to the patient under general anesthesia, it can be applied local anesthesia and minimally invasive.

Allows the application to be made without the grounding pads.

MW AMICA PROBE Dimensions of The Tumor Ablation Amica Microwave Probe

THICKNESS (Gauge)	11 G	14 G	16 G
LENGTH (mm)	150 - 200 - 270 MM	150 - 200 - 270 MM	150 - 200 - 270 MM

