

## **Tumour ablation: heat-based**

**Coordinators:**

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**Participating corporate partners:**

Angiodynamics

Cambridge Interventional

Canyon Medical

Eco Microwave

HS Hospital Service

Medtronic

Terumo

RF Medical

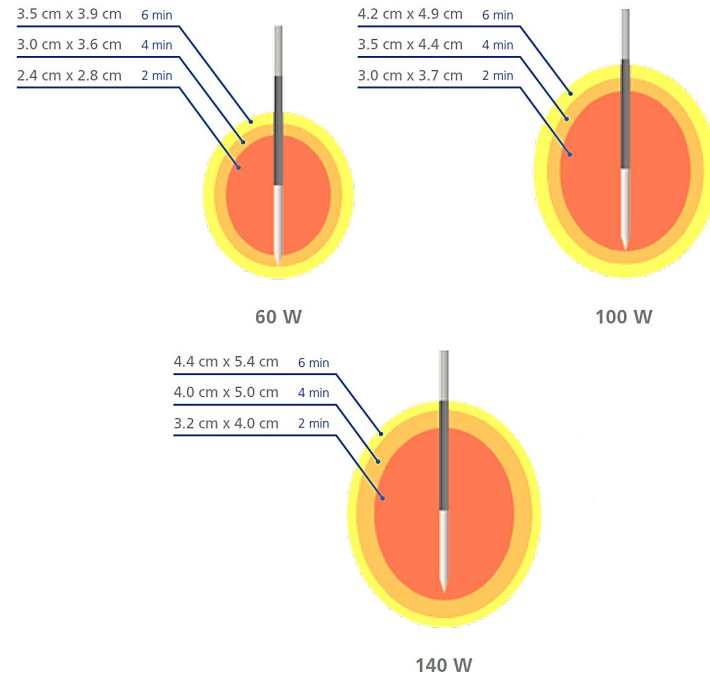
Surgnova Healthcare

*There are a variety of different similar products for this procedure beyond the ones demonstrated in this session.*

### SPEEDY AND SCALABLE ABLATION VOLUMES

Ex Vivo Bovine Liver  
(diameter x length)

**Note:** Ablation volumes in perfused tissues may differ from static laboratory results.



## SIMPLE | SPEEDY | SCALABLE

### SOLERO GENERATOR

- **2.45 GHz Operating Frequency**
- **Solid State Generator** – No annual calibration required
- **Powers up to 140W** – Speedy ablations
- **Intuitive Touch Screen User Interface**
- **Integrated Peristaltic Pump** – Continuous device cooling
- **Applicator Coolant Temperature Monitoring**
- **Reflected Energy Monitoring** – Feedback on ablation efficiency
- **No Grounding/ Dispersive/ Neutral Electrode Required**

The Solero\* Microwave Tissue Ablation (MTA) System and Accessories are indicated for the ablation of soft tissue† during open, laparoscopic, or percutaneous procedures. The Solero MTA System is not intended for cardiac use.

†Note Canada Only: Throughout this document, any reference to “soft tissue” means the following tissue types: liver, kidney, and lung (early stage non-small cell lung cancer (NSCLC) and inoperable pulmonary malignancies).

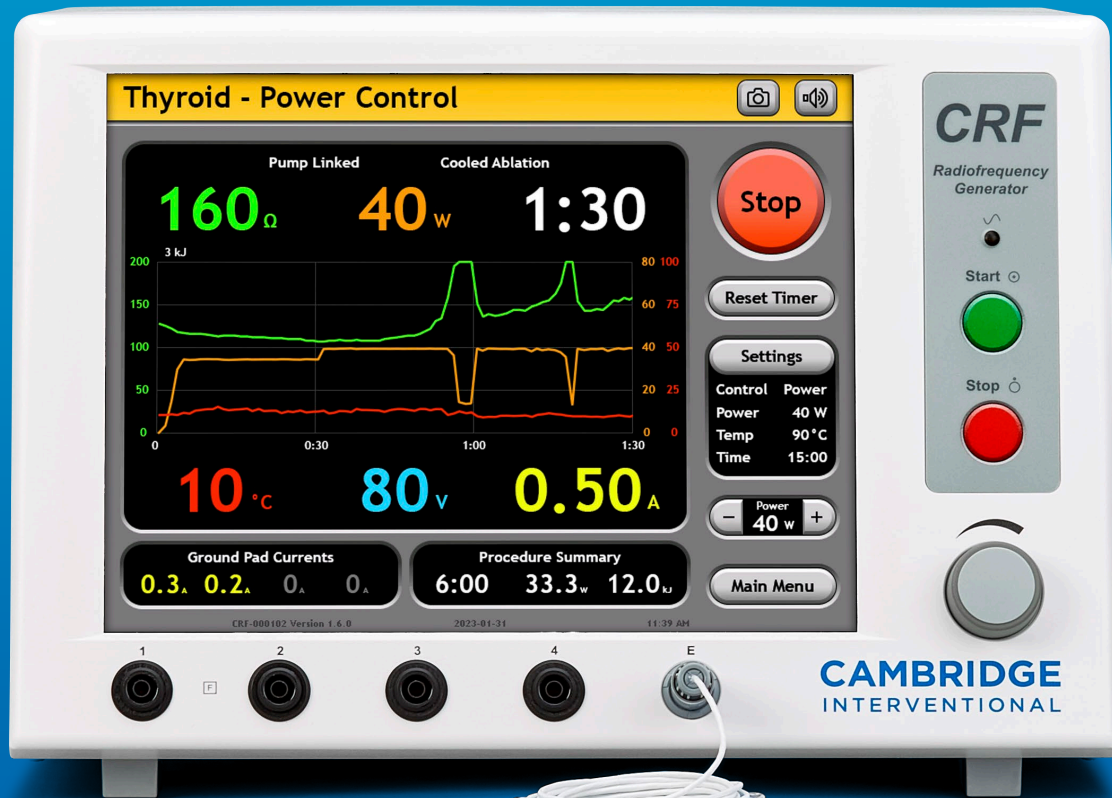
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Please refer to the Solero Generator Operator's Manual and the Solero Applicator Directions for Use for complete instructions, warnings, and precautions.

# CAMBRIDGE INTERVENTIONAL

## Radiofrequency Tissue Ablation

Up to 5cm tip | Compact hub | Sharp, smooth, steerable



18, 17, 15G trocar electrodes



Electrode with coaxial introducer for biopsy

Thyroid | Tumor | Bone



370 Watts | Touch screen | Electronic record



# MaxBlate™ Microwave Ablation System

Maxcore™ inside | 150W



Lungs



Kidneys



Thyroids



Liver



Fibroid



XphereTip®  
MWA Antenna

Spherical | Less invasive



ThyTip™  
MWA Antenna

Efficient | Controllable

NEW 18G



SureTip®  
MWA Antenna

Classical | Benefit 300K+ Patients



# ECO Microwave Generator



- Solid Tumors
- Superficial Nodules
- Thyroid Mode
- Pulse Mode

- Safety & Effectiveness
- Self-Check
- Temp. Monitoring
- Overtemp. Alarm



SABERWAVE ECO-200G



# HS AMICA TOTIPOTENT ABLATION

## AMICA-GEN

PROGRAMMABLE GENERATOR  
FOR MICROWAVE AND/OR RADIOFREQUENCY  
ENERGY DELIVERY AND CONTROL

### 1 SYSTEM 2 TECHNOLOGIES

MWA & RFA single or multi-probe operation

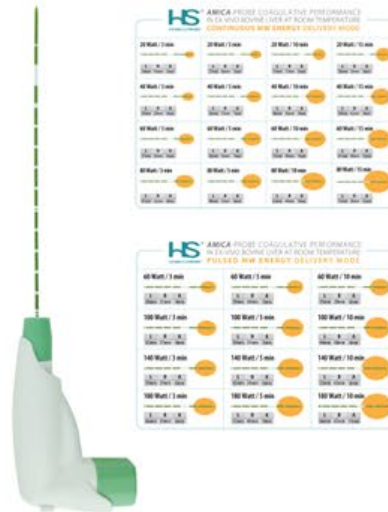


- FREEDOM OF CHOICE
- HIGH PERFORMANCE
- OPTIMIZED CONTROL
- ENHANCED SAFETY
- EXTENDED INTERACTIVITY
- DEDICATED SOFTWARE

## AMICA-PROBE

MICROWAVE APPLICATORS FOR THERMOABLATION

FAST, REPRODUCIBLE,  
SAFE, TAILORED ABLATION



## RFAMICA-PROBE

RADIOFREQUENCY ELECTRODES FOR THERMOABLATION

FAST, REPRODUCIBLE,  
SAFE, TAILORED ABLATION



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# Emprint™ HP ablation generator

Greater coverage.  
Fewer antennas.  
Less collateral damage.

Using our patented Thermosphere™ technology, the Emprint™ HP ablation generator enables a minimally invasive procedure with:

- Large ablations, with up to 40% more volume compared to the original Emprint™ ablation system<sup>1</sup>
- Proven spherical shape,<sup>7-13</sup> giving you flexibility in antenna placement approach<sup>6</sup>
- Consistent ablative margins greater than 5mm<sup>6</sup>
- Scalability, allowing you to create both small and large ablation zones<sup>1</sup>





# SEE WHAT YOU TREAT: ADVANCING CONTROL

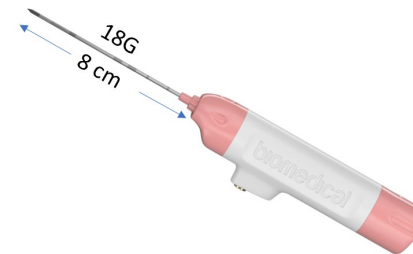
# TATO

Thermal Ablation Treatments for Oncology

- ◆ ABLATION VISUALIZATION: Enhanced visibility under Ultrasound for a better control of the ablation progression and lower artifacts on CT scan.
- ◆ VERSATILITY: use up to 4 antennas **simultaneously and independently** choosing among sizes ranging from 11G to 18G

11G		Open surgery
14G		Liver, Lung, Kidney
17G		Lung, Kidney
18G		Bone

Dedicated Thyroid Antenna



- ◆ EXTENDED INDICATIONS → Thyroid ablation



## MYGEN™ RF Generator M-3004

Offers Diverse Treatment Modes



## RF Electrodes

A Wide Variety of Electrodes, Each Specialized for Different Types of Tumors

### Big-Tip™

Internally Cooled Tip



### Jet-Tip®

Internally Cooled & Perfused Tip



### V-Tip™

Variable Exposure Length Tip



### BMDT™

Electrode for Bone Metastasis



### THYBLATE™

Electrode for Thyroid and Lymphnode



### MYOBLATE™

Electrode for Uterine Fibroid



# Dophi™ M150E Microwave Ablation System

## Spherical Ablation by Antiphase™ Technology

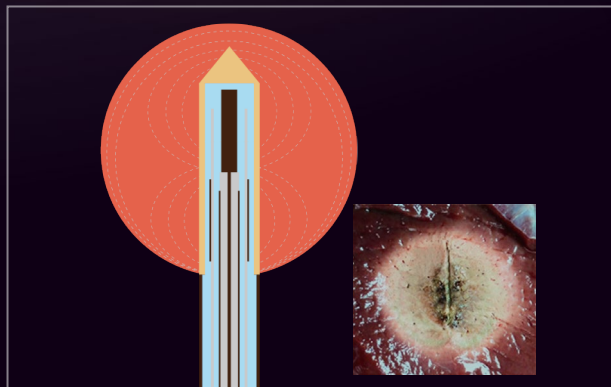


- Better Ablation Completeness
  - Stable & predictable ablation result
  - Wider, larger & spherical lesion



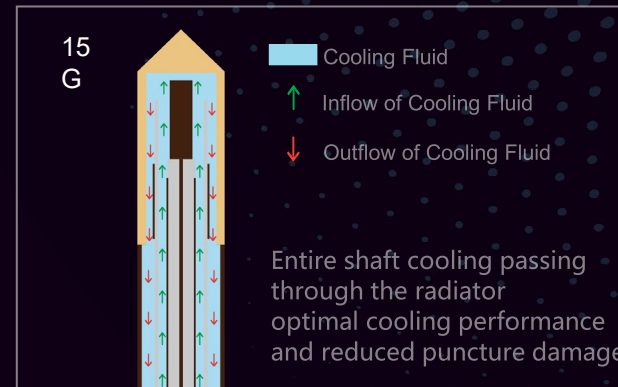
- Antiphase™ Technology

- Breaking Through Technology
- with Unique Field Control



- Aqua-through™ Cooling Technology

Ingenious Cooling Technology



- Dual Temperature Monitoring System

