

OUR ABLATION SUITE

Over the years, we have developed a core set of ablation modalities, with the flexible treatment options you need, to provide better patient care.

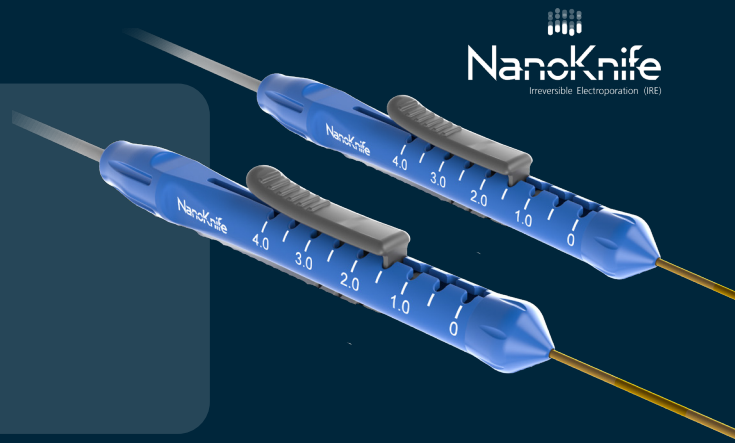
IRREVERSIBLE ELECTROPORATION

Spares Critical Structures ¹

Real-time Visualization with Ultrasound ²

Precise and Customizable Ablation Zones ³

Confident Treatment Coverage ⁴



Solero
Microwave Tissue Ablation System



MICROWAVE TECHNOLOGY ABLATION

Complete up to a 5 cm Ablation in 6 minutes [†]

Powers up to 140 W

No Grounding/ Dispersive/ Neutral Electrode Required

Dielectric Antenna with an Optimized Ceramic Tip

RADIOFREQUENCY ABLATION

Patented Expandable, Multi-array Space Filling Configuration ^{††}

Beveled Surgical Tip for Easier Penetration of Hard Tissue

Multi-point Temperature Feedback with Dynamic, Real-time Readouts

Compatible with MRI Use



StarBurst
RFA Electrodes

† Ex vivo bovine liver – actual clinical results in perfused tissues may differ

†† Covered by one or more of the following US patents: 5472441, 5486161, 5536267, 5672173, 5672174, 5683384, 5728143, 5782827, 5863290, 5913855, 5928229, 5935123, 5980517, 6071280, EP 0 777 445 B1, and Japanese patent 3009735. Other patents pending.

References

- ¹ Scheltema MJ, Chang JI, van den Bos W, Gielchinsky I, Nguyen TV, Reijke TM, Siriwardana AR, Böhm M, de la Rosette JJ, Stricker PD. Impact on genitourinary function and quality of life following focal irreversible electroporation of different prostate segments. *Diagn Interv Radiol.* 2018 Sep;24(5):268-275. doi: 10.5152/dir.2018.17374. PMID: 30211680; PMCID: PMC6135060.
- ² Lee EW, Chen C, Prieto VE, Dry SM, Loh CT, Kee ST., Advanced hepatic ablation technique for creating complete cell death: irreversible electroporation. *Radiology* 255:426–433. (2010). doi: 10.1148/radiol.10090337.
- ³ Guidance for Selection of NanoKnife Probe Array Configuration and Ablation parameters for the Treatment of Stage III Pancreatic Cancer.
- ⁴ Lee EW, Thai S, Kee ST. Irreversible electroporation: a novel image-guided cancer therapy. *Gut Liver.* (2010);4(SUPPL. 1):99–104. doi: 10.5009/gnl.2010.4.S1.S99

Important Risk Information

NanoKnife System

Indication For Use: US: The NanoKnife System with six outputs is indicated for surgical ablation of soft tissue. CE: The NanoKnife System is a medical device for cell membrane electroporation. Electroporation is a phenomenon that occurs in cell membranes as cells are exposed to an electrical field of sufficiently high intensity. The electric field acts as a physical stimulus, bringing about alterations in cell membranes that result in increased permeability.

Contraindications: Ablation procedures using the NanoKnife System are contraindicated in the following cases: • Ablation of lesions in the thoracic area in the presence of implanted cardiac pacemakers or defibrillators • Ablation of lesions in the vicinity of implanted electronic devices or implanted devices with metal parts • Ablation of lesions of the eyes, including the eyelids • Patient history of Epilepsy or Cardiac Arrhythmia • Recent history of Myocardial Infarction

Potential Adverse Effects: Adverse effects that may be associated with the use of the NanoKnife System include, but are not limited to, the following: • Arrhythmia • Atrial fibrillation or flutter • Bigeminy • Bradycardia • Heart block or atrioventricular block • Paroxysmal supraventricular tachycardia • Tachycardia • Reflex tachycardia • Ventricular tachycardia • Ventricular fibrillation • Damage to critical anatomical structure (nerve, vessel, and/or duct) • Fistula formation • Hematoma • Hemorrhage • Hemothorax • Infection • Pneumothorax • Reflex Hypertension • Unintended mechanical perforation • Vagal Stimulation, asystole • Venous Thrombosis

Solero MTA System

Indication For Use: US: The Solero Microwave Tissue Ablation (MTA) System and accessories are indicated for the ablation of soft tissue during open procedures. The Solero MTA System is not intended for cardiac use. CE: 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).

Contraindications: The applicators are contraindicated in patients with heart pacemakers and other electronic device implants.

Starburst Electrosurgical Devices

Indication For Use : A tool to transmit energy (provided by the RITA® 1500 or 1500X RF Generator) for use in electrosurgery (ablation) in soft tissue, liver, and bone metastases.

Contraindications: None listed.

Warnings: Do not attach anything (i.e., clamps, etc.) to the Device. This may damage the insulation, which could contribute to patient injury. Do not bend or kink the trocar or the needles. This may cause damage and result in a non-functional device. Note: For the Semi-Flex device over bending the trocar to a radius smaller than 2 inches/5 cm, beyond 90° curvature, and/or kinking the device can damage the trocar, which could contribute to patient injury. Do not twist or exert high forces on the device while it is deployed in the tissue. This may cause the needles to break and remain in the tissue. Do not remove the Device without ensuring that the needles are fully retracted within the trocar. Patients with peripheral vascular deficiency are at increased risk of thermal injury from Dispersive electrodes. Patients with frail skin are at increased risk of skin damage from the adhesive on the Dispersive pads. If the device is being used in a laparoscopic procedure, care must be taken to avoid a gas embolism. Do not use metal introducers that do not have insulation. RF energy can be transmitted from the electrode through the un-insulated metal introducers to the patient, causing inadvertent burns.

Adverse Events: None listed.

Refer to Directions for Use and/or User Manual provided with the product for complete Instructions, Warnings, Precautions, Possible Adverse Effects and Contraindications. Observe all instructions for use prior to use. Failure to do so may result in patient complications. CAUTION: Federal Law (USA) restricts this device to sale by or on the order of a physician.