

Tumour ablation: non-thermal (IRE, electrochemotherapy)

Coordinators:

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Participating corporate partners:

Angiodynamics

Curaway

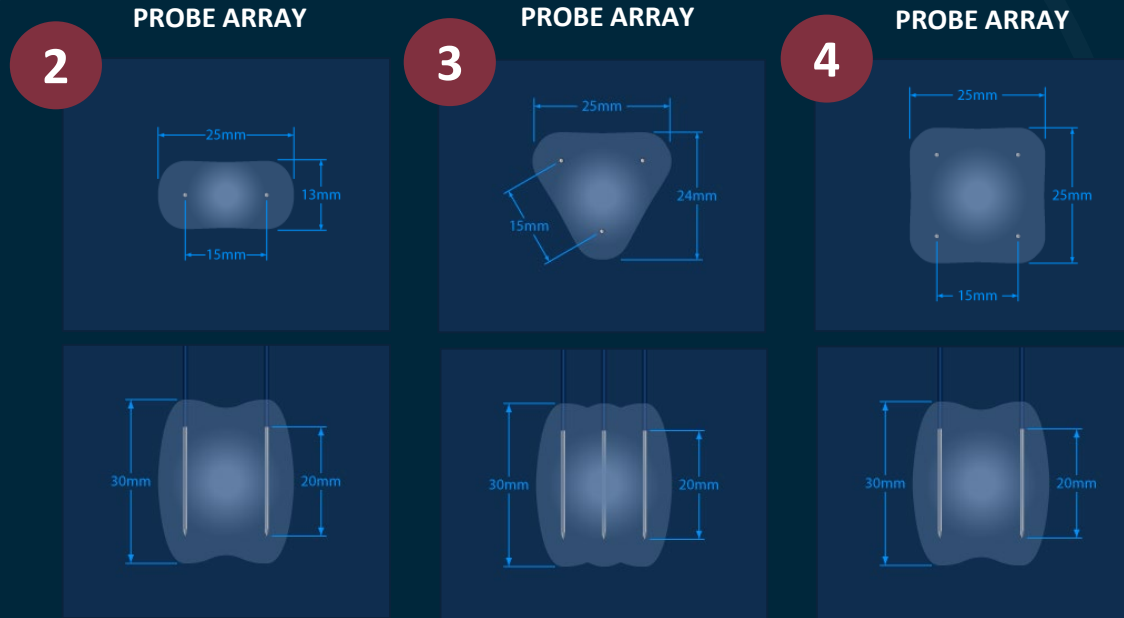
IGEA

Surgnova Healthcare

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

A UNIQUE ALTERNATIVE TO THERMAL ABLATION

An ablation procedure that uses low energy electrical pulses to create defects (pores) in cell membranes, resulting in loss of homeostasis and subsequent cell death.



- ← **Visibility**
Echogenic electrode surface
- ← **Slim Profile**
19 gauge needle with trocar tip
- ← **Access**
Insertion depth: 15 cm & 25 cm
- ← **Markings**
Depth markers indicate depth of needle tip
- ← **Adjustable**
Active electrode tip: 0.5 cm – 4.0 cm
- ← **Cable Reach**
10 ft. Connection cable



INDICATIONS FOR USE: EU: 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. **FDA:** The NanoKnife 3.0 is not cleared for sale in the US. **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; Pneumothorax; Muscle contraction; Hemorrhage; Unintended mechanical perforation; Infection; Bradycardia; Vagal Stimulation, asystole; and damage to critical anatomical structure (nerve, vessel, and/or duct). Indications, contraindications, warnings, precautions and instructions for use can be found in the Instructions for Use supplied with each device. Observe all instructions prior to use. Failure to do so may result in patient complications. *AngioDynamics, the AngioDynamics logo, NanoKnife and the NanoKnife logo are trademarks and/or registered trademarks of AngioDynamics, Inc., an affiliate or a subsidiary. All others trademarks are the property of their respective owners. © 2021 AngioDynamics, Inc.





IRE & RF DUAL ENERGY PLATFORM

Switching to RF mode to do needle track ablation with same probes after IRE procedure, effectively eliminates the potential tumor implantation metastasis and reduces the risk of bleeding.

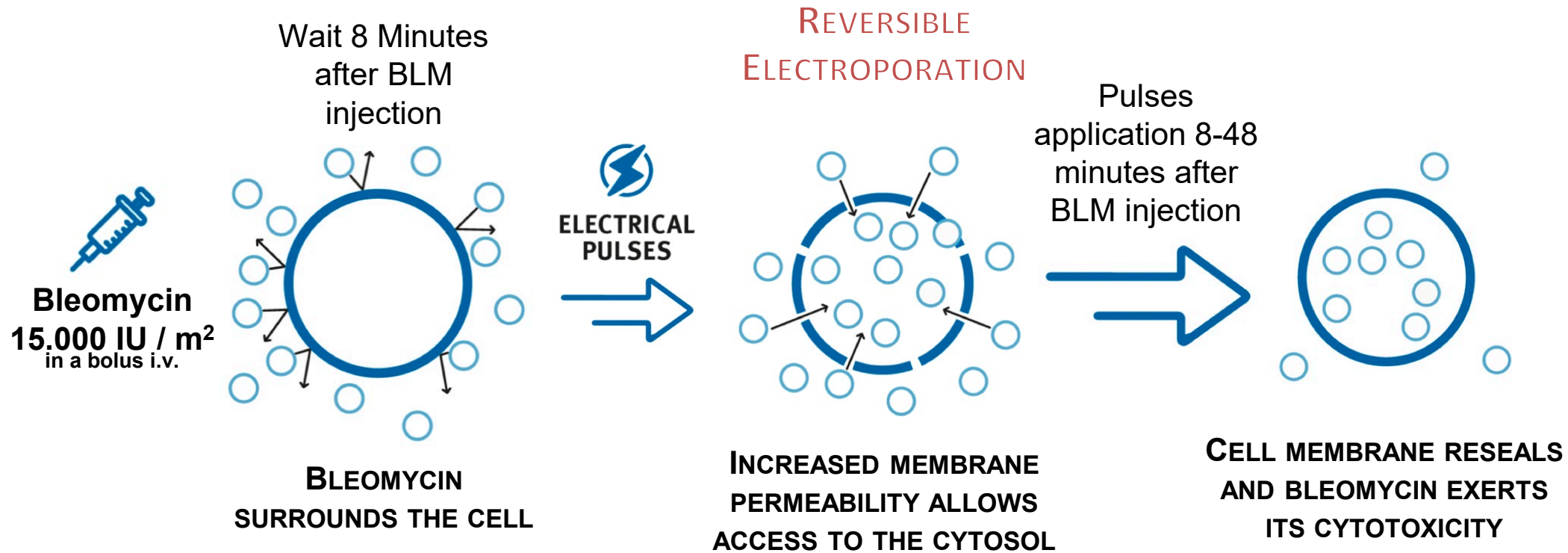
LOCAL ANESTHESIA

Curaway's latest IRE system requires only local anesthesia for a procedure in a specific mode.

BIPOLAR PROBES AVAILABLE

Curaway's bipolar probes significantly reduce the difficulty of probes placement, provides more precise ablation zone, and better ablation efficiency.

ELECTROCHEMOTHERAPY



Dophi™ N3000 Electroporation System

The New Generation of IRE Ablation System

- **Move Freely**
Compact design forms portable Generator
- **Multiple Monitoring & Control**
Full maturity of operating system implements controllable ablation
- **Real-time Temperature Detection**
Build-in thermocouple in probe tip realizes the real-time temperature monitoring
- **Stable & Safe**
Superior hardware support ensures operation stability in both operation system & energy output
- **Simple Access to case report**
Intelligent cases management system supports to generate case report with one touch

