NO LIMITS
To Treating Thrombus

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NO LIMITS:
“EKOS It” Anywhere in the Periphery

“EKOS It”...
- Arteries
- Grafts
- Veins
- Through IVC Filters
- Behind Valves

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Treat Thrombus of
• Any Size
• Any Shape
• Any Volume
• Any Age
NO LIMITS:
Predictable Results

✓ Superior thrombus clearance¹

✓ Increased drug uptake²
  - Up to 70% deeper thrombus penetration
  - 48% greater drug absorption within 1 hour
  - 84% greater drug absorption within 2 hours
  - Captures drug within thrombus

✓ Reduces lytic dose 50 - 70%¹

✓ No mechanical disruption³
  - Reduces distal embolism
  - No hemolysis⁴
  - No bradycardia/heart block
  - No renal failure risk

✓ No vessel or valve damage⁴

✓ Reduces physician lab time⁵

✓ Reduces radiation exposure⁵

⁵ Compared to mechanical devices which must be operated solely in the lab.
NO LIMITS:
Setting the Speed Record for Thrombolysis

How EKOS Ultrasound Accelerated Thrombolysis Unlocks The Clot

Without Ultrasonic Energy
When a clot forms, plasminogen receptor sites are embedded deep within the fibrin. For the clot to be dissolved, lytic agents must access the receptor sites. The tightly wound fibrin strands inhibit the drug from penetrating, limiting access to receptor sites on the interior of the clot.

With Ultrasonic Energy
The EKOS endovascular device is placed directly into the thrombus, where the micro-transducers transmit high frequency, low power sound waves. The unique EKOS ultrasound waveform causes the fibrin strands to thin, exposing plasminogen receptors. This makes the thrombus more permeable and allows the lytic to penetrate deeper.

With Ultrasonic Energy And Thrombolytic
The Intelligent Drug Delivery Catheter™ delivers the thrombolytic, while the non-cavitational pressure waves created by the ultrasound force the drug deep into the clot. This limits the amount of lytic that escapes downstream.

Drug Dispersion Across Simulated Valve in Simulated Clot
In vitro model of venous valve

When you want fast, safe, predictable results
Just “EKOS IT”

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The EkoSonic Control Unit
Functionality is at the heart of the EkoSonic Control Unit, which was designed specifically for the unique requirements of its environment:

- Intuitive controls make setup and operation simple.
- The highly visual iconic layout allows nurses to monitor operating status and alarms at a glance – even from a distance.
- Treatment time and total average power is graphically displayed, aiding in communication with both patient and physician.

EkoSonic Mach 4 Endovascular Device
Calibrated for Rapid Pulse Modulation, the EkoSonic Mach 4 device consists of a sophisticated MicroSonic Device within an Intelligent Drug Delivery Catheter:

- A variety of treatment zone options enables you to precisely match the length of the clot to the length of the treatment zone, optimizing delivery of thrombolytic agents.
- The Intelligent Drug Delivery Catheter and the EKOS MicroSonic Device are both flexible so you can easily navigate through vascular anatomy without damaging vessel walls.
- Continuous monitoring by the Intelligent Drug Delivery Catheter facilitates optimization of the ultrasonic energy, enabling the system to adjust settings as lysis progresses.
- Radio-opaque marker bands at the distal and proximal ends of the treatment zone enhance catheter visibility and placement.
Intended Use: The EkoSonic® Endovascular Device, consisting of the Intelligent Drug Delivery Catheter™ (IDDC) and the MicroSonic™ Device (MSD), is intended for controlled and selective infusion of physician-specified fluids, including thrombolytics, into the peripheral vasculature. The EkoSonic® Endovascular Device is intended for the infusion of solutions into the pulmonary arteries.

Contraindications: This system is contraindicated when, in the medical judgment of the physician, such a procedure may compromise that patient’s condition. The system is not designed for peripheral vasculature dilation purposes. For complete instructions on usage refer to the IFU.